

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
 Data File : BF106362.D
 Acq On : 12 Jun 2018 23:11
 Operator : JU/SJ
 Sample : J3322-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 13 01:12:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 11 15:00:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	139325	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	479215	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	204875	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	420937	20.00	ng	0.00
75) Chrysene-d12	14.17	240	387207	20.00	ng	0.00
86) Perylene-d12	15.71	264	287294	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	795608	96.65	ng	0.04
7) Phenol-d6	6.63	99	1002981	96.44	ng	0.04
23) Nitrobenzene-d5	7.54	82	562486	69.05	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	217435	110.30	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	878983	72.67	ng	0.00
78) Terphenyl-d14	13.10	244	1007522	64.63	ng	0.01

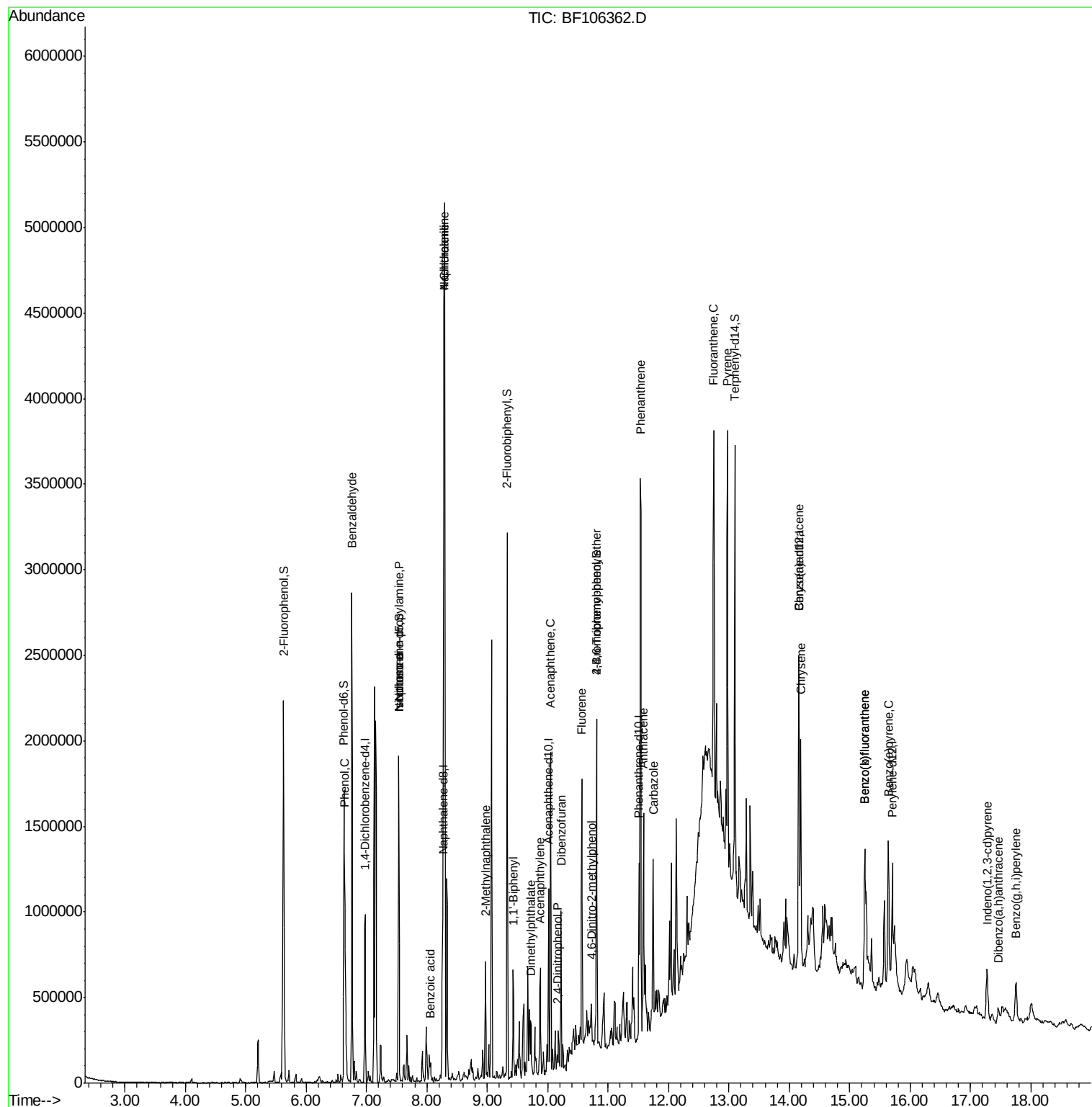
Target Compounds				Qvalue		
9) Benzaldehyde	6.76	77	18836	2.388	ng	81
10) Phenol	6.64	94	24824	2.186	ng	# 1
19) n-Nitroso-di-n-propylamine	7.54	70	76753	9.837	ng	# 75
25) Isophorone	7.54	82	562477	35.352	ng	# 64
31) Naphthalene	8.29	128	3065398	141.503	ng	# 87
32) Benzoic acid	8.07	122	16306	10.073	ng	# 18
33) 4-Chloroaniline	8.29	127	512983	53.435	ng	# 32
37) 2-Methylnaphthalene	8.97	142	146628	9.938	ng	98
45) 1,1'-Biphenyl	9.43	154	169515	10.682	ng	98
48) Acenaphthylene	9.88	152	208161	10.709	ng	99
49) Dimethylphthalate	9.72	163	108729	7.428	ng	100
51) Acenaphthene	10.05	154	367721	29.294	ng	99
53) 2,4-Dinitrophenol	10.17	184	230	8.763	ng	# 1
54) Dibenzofuran	10.22	168	317996	18.812	ng	98
57) Fluorene	10.57	166	384119	28.681	ng	99
64) 4,6-Dinitro-2-methylphenol	10.72	198	116	6.339	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	13627	2.846	ng	# 1
70) Phenanthrene	11.54	178	1307232	63.412	ng	96
71) Anthracene	11.59	178	465946	22.561	ng	99
72) Carbazole	11.75	167	320402	16.804	ng	98
74) Fluoranthene	12.75	202	1222525	55.608	ng	98
77) Pyrene	12.98	202	1063504	43.871	ng	97
80) Benzo(a)anthracene	14.15	228	661348	28.701	ng	97
82) Chrysene	14.19	228	511084	24.294	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	215535	12.837	ng	# 88
87) Benzo(b)fluoranthene	15.25	252	734359	42.286	ng	97
88) Benzo(k)fluoranthene	15.25	252	734359	42.697	ng	98
89) Benzo(a)pyrene	15.64	252	383835	24.572	ng	96
90) Dibenzo(a,h)anthracene	17.46	278	49660	3.813	ng	94
91) Benzo(g,h,i)perylene	17.75	276	194386	15.359	ng	94

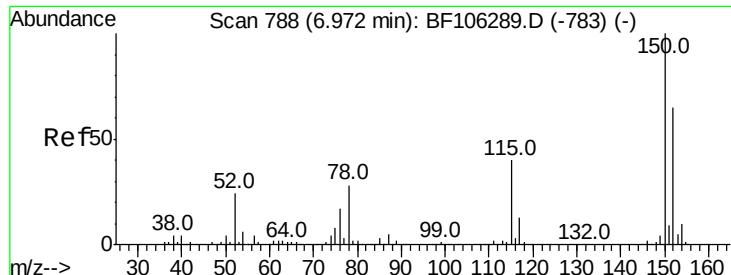
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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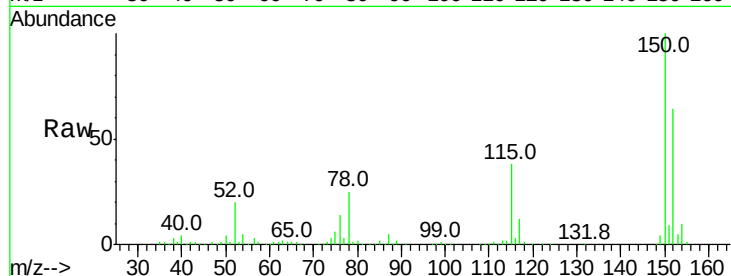


#1

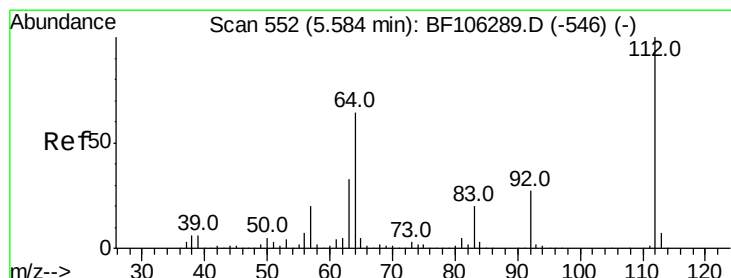
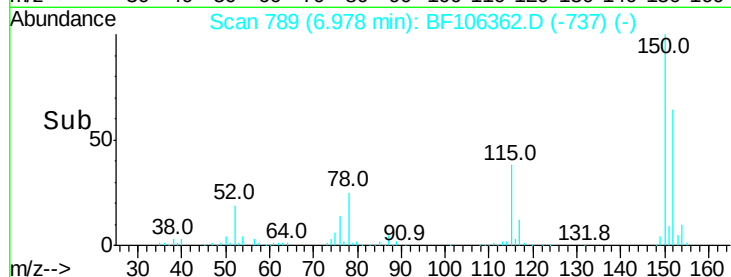
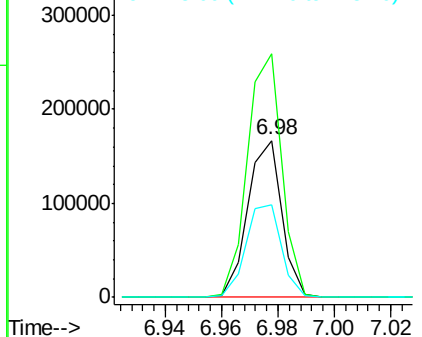
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 789
Delta R.T. 0.01 min
Lab File: BF106362.D
Acq: 12 Jun 2018 23:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	59.0	50.1	75.1



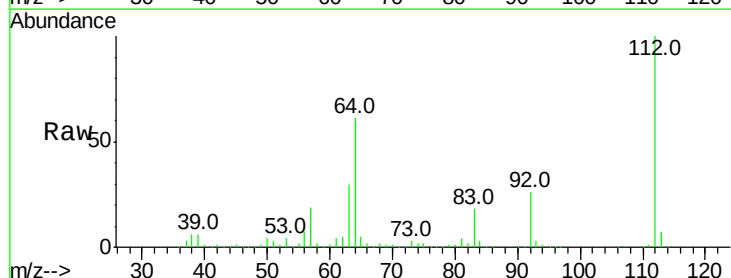
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



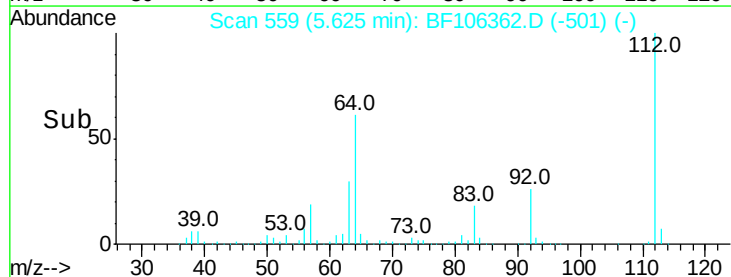
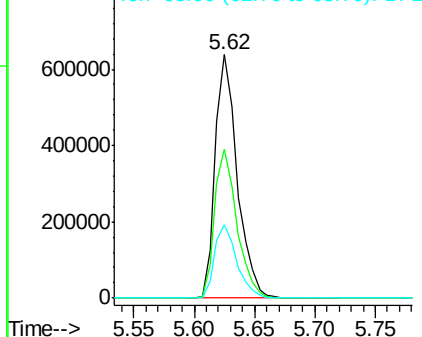
#5

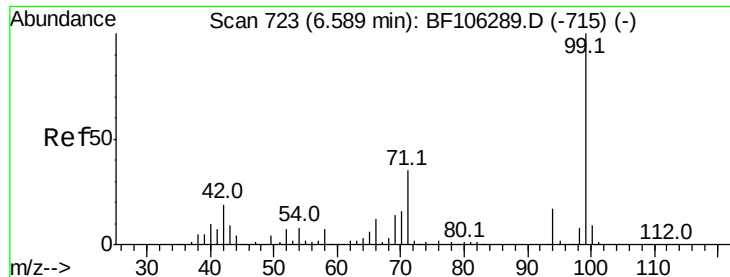
2-Fluorophenol
Concen: 96.649 ng
RT: 5.62 min Scan# 559
Delta R.T. 0.04 min
Lab File: BF106362.D
Acq: 12 Jun 2018 23:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	47.9	71.9
63	30.3	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: 96.438 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.04 min

Lab File: BF106362.D

Acq: 12 Jun 2018 23:11

Instrument :

BNA_F

ClientSampleId :

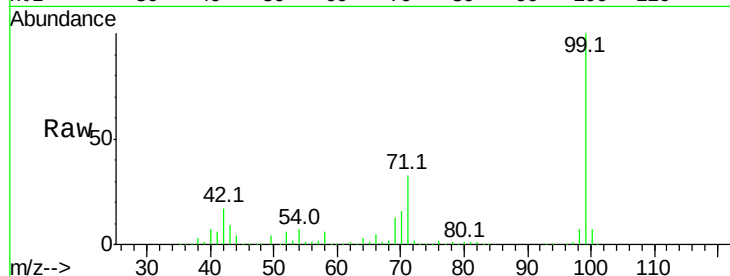
Tot Ion: 99 Resp: 1002981

Ion Ratio Lower Upper

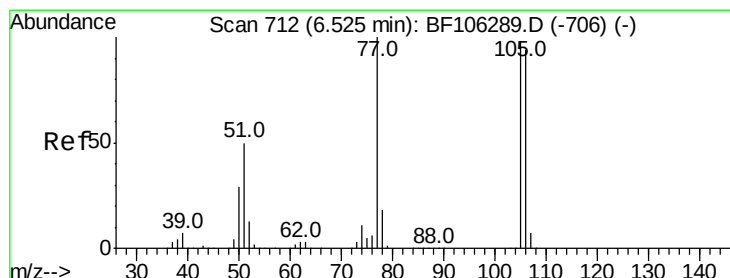
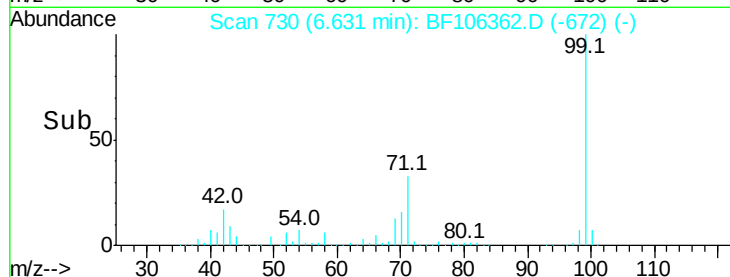
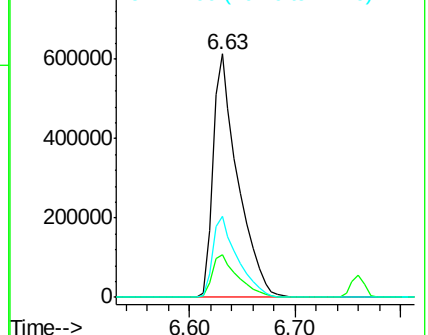
99 100

42 17.5 14.5 21.7

71 33.2 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: 2.388 ng

RT: 6.76 min Scan# 752

Delta R.T. 0.24 min

Lab File: BF106362.D

Acq: 12 Jun 2018 23:11

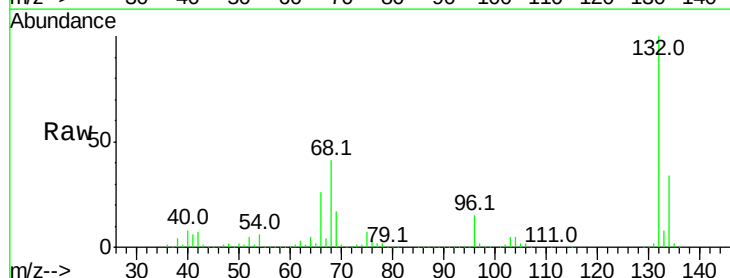
Tgt Ion: 77 Resp: 18836

Ion Ratio Lower Upper

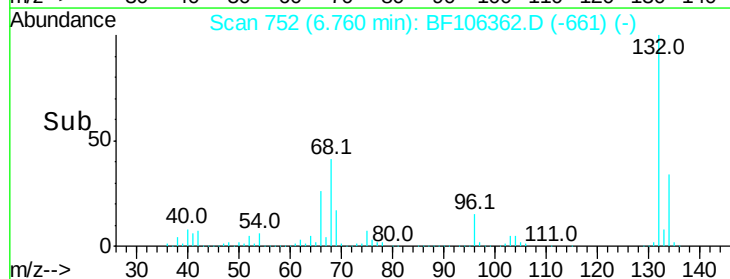
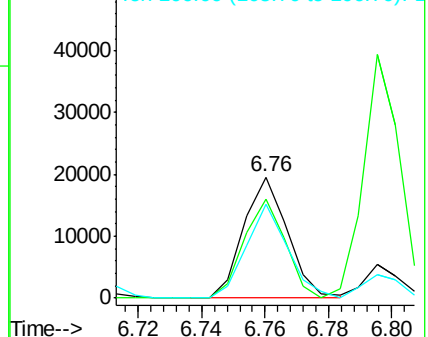
77 100

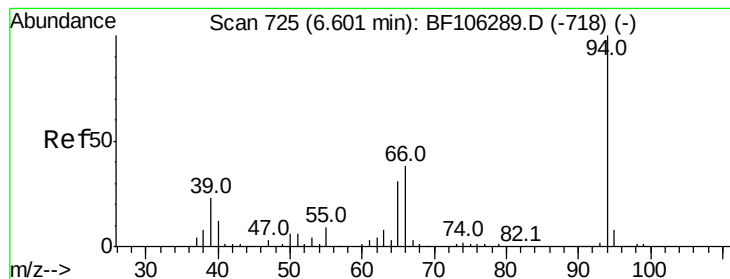
105 81.7 81.1 121.1

106 77.2 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.186 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.04 min

Lab File: BF106362.D

Acq: 12 Jun 2018 23:11

Instrument :

BNA_F

ClientSampleId :

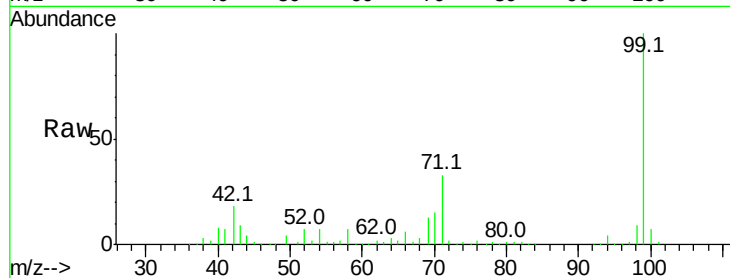
Tot Ion: 94 Resp: 24824

Ion Ratio Lower Upper

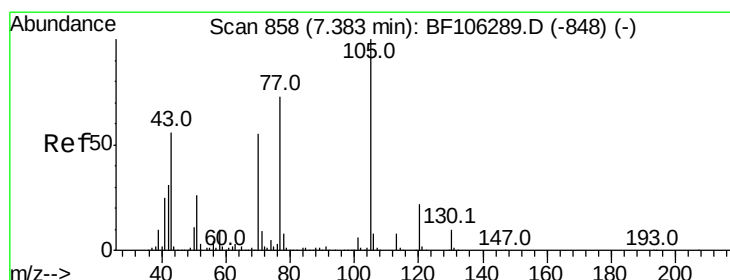
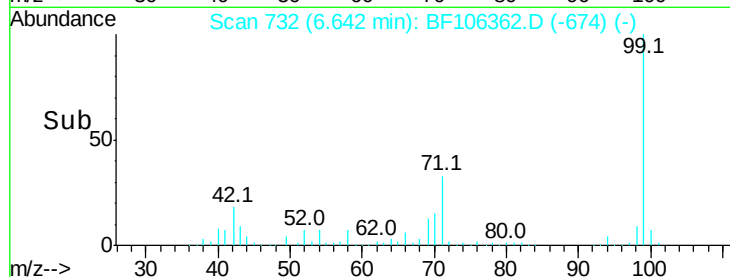
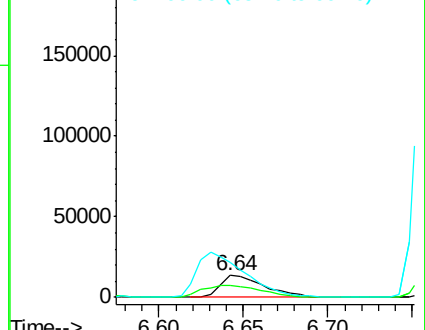
94 100

65 54.1 7.9 47.9#

66 156.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 9.837 ng

RT: 7.54 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF106362.D

Acq: 12 Jun 2018 23:11

Tgt Ion: 70 Resp: 76753

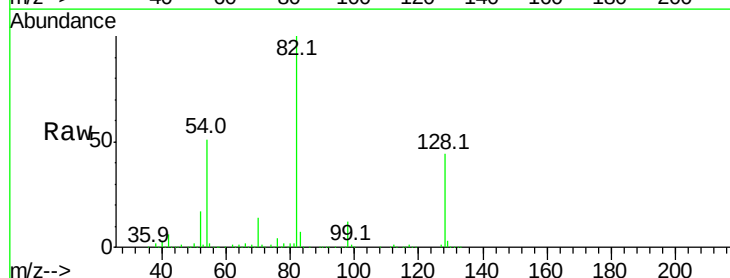
Ion Ratio Lower Upper

70 100

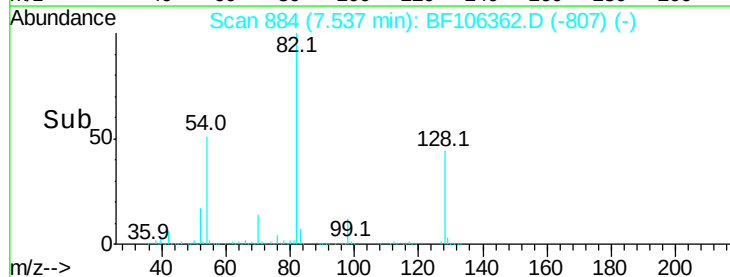
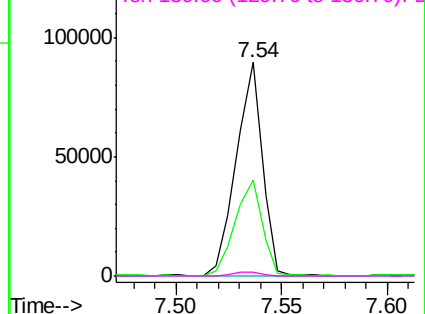
42 44.9 47.5 71.3#

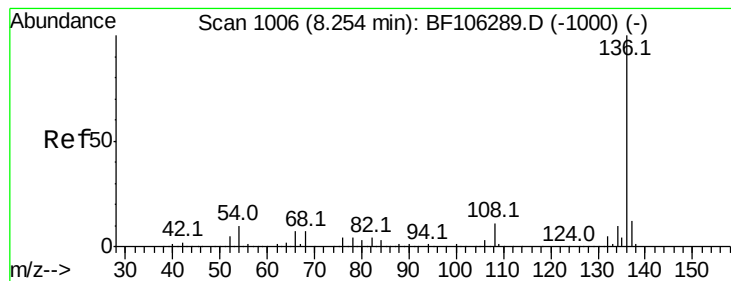
101 0.0 7.4 11.2#

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: 8.26 min Scan# 1007

Delta R.T. 0.01 min

Lab File: BF106362.D

Acq: 12 Jun 2018 23:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 479215

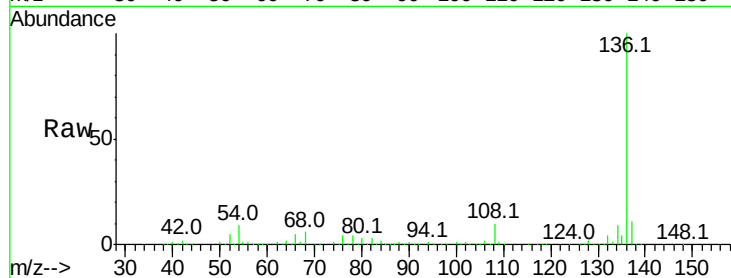
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.8 6.6 9.8

68 6.5 5.0 7.4

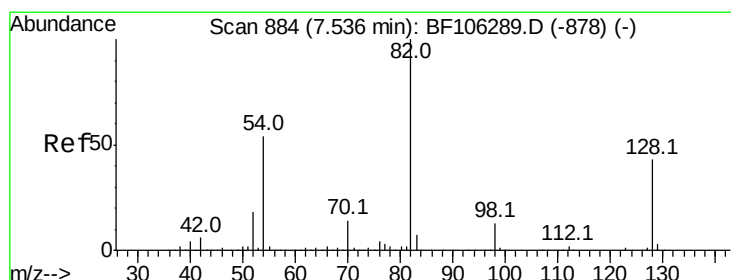
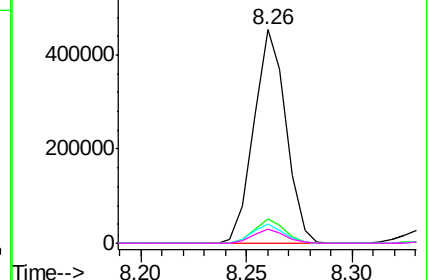
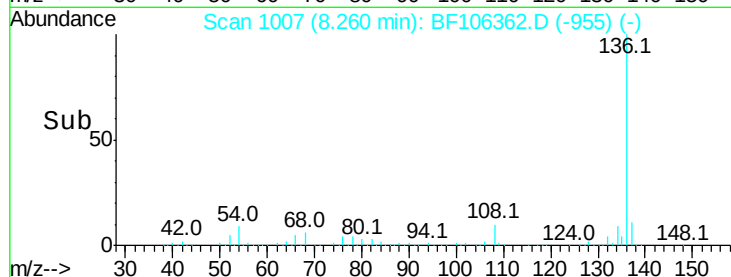


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.051 ng

RT: 7.54 min Scan# 884

Delta R.T. 0.00 min

Lab File: BF106362.D

Acq: 12 Jun 2018 23:11

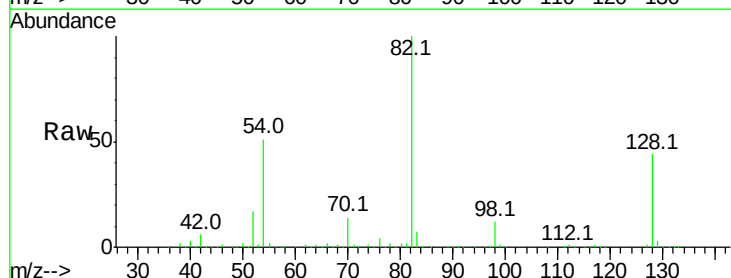
Tgt Ion: 82 Resp: 562486

Ion Ratio Lower Upper

82 100

128 44.2 36.1 54.1

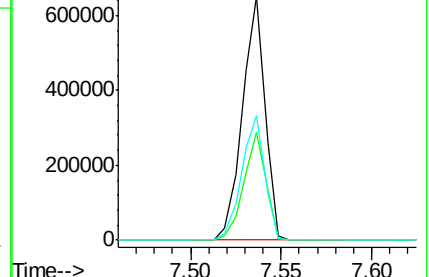
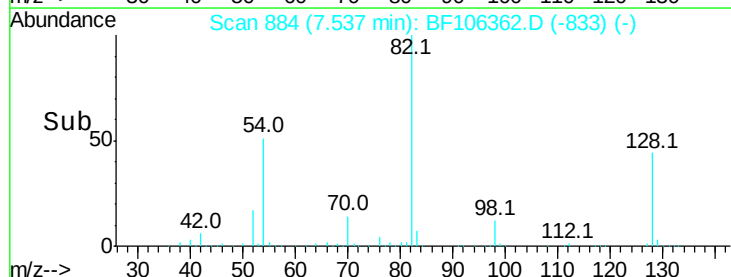
54 51.3 41.4 62.2

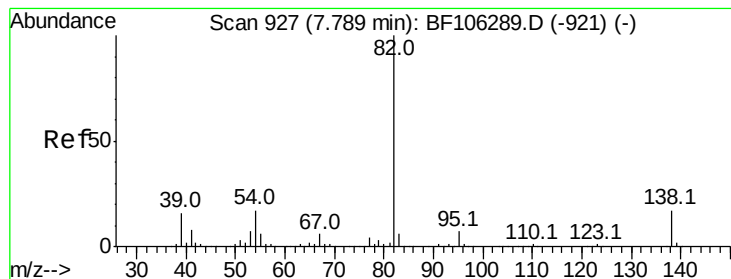


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.352 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.25 min

Lab File: BF106362.D

Acq: 12 Jun 2018 23:11

Instrument :

BNA_F

ClientSampleId :

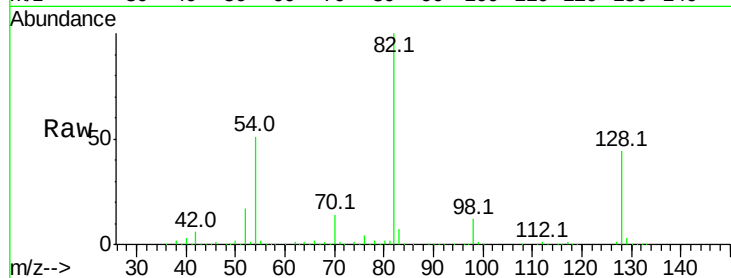
Tot Ion: 82 Resp: 562477

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

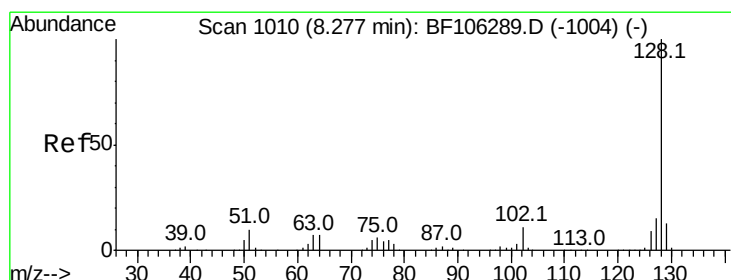
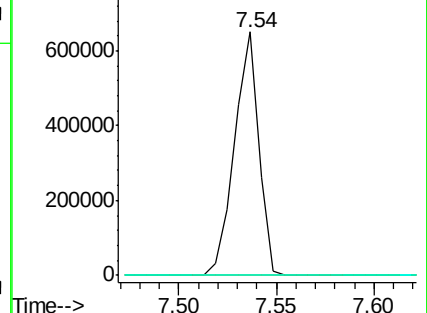
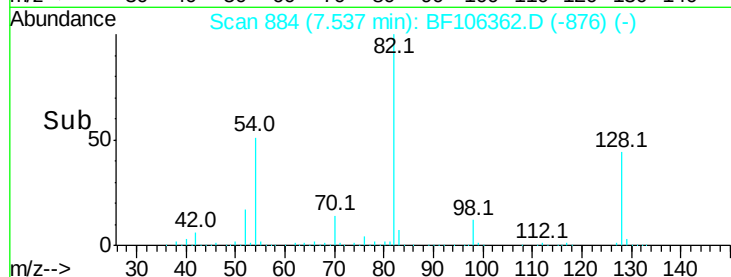
138 0.0 14.9 22.3#



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: 141.503 ng

RT: 8.29 min Scan# 1012

Delta R.T. 0.01 min

Lab File: BF106362.D

Acq: 12 Jun 2018 23:11

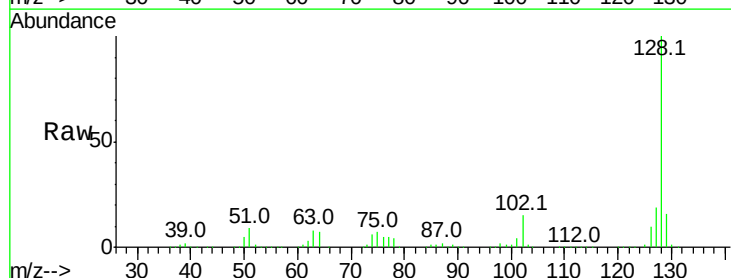
Tgt Ion:128 Resp: 3065398

Ion Ratio Lower Upper

128 100

129 15.8 8.8 13.2#

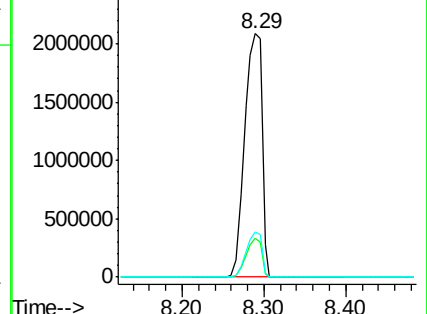
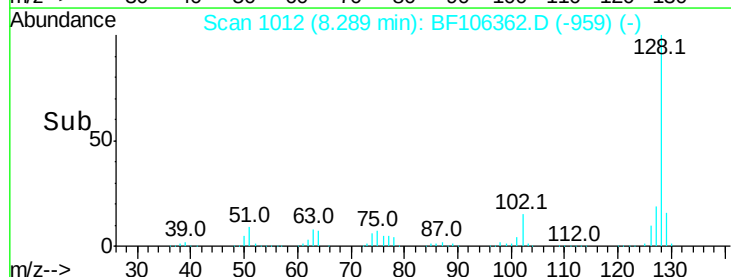
127 18.6 10.9 16.3#

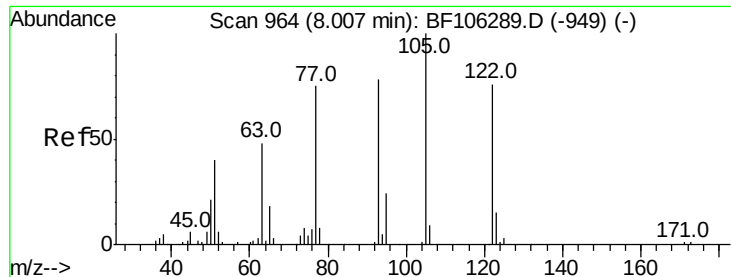


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 10.073 ng

RT: 8.07 min Scan# 974

Delta R.T. 0.06 min

Lab File: BF106362.D

Acq: 12 Jun 2018 23:11

Instrument :

BNA_F

ClientSampleId :

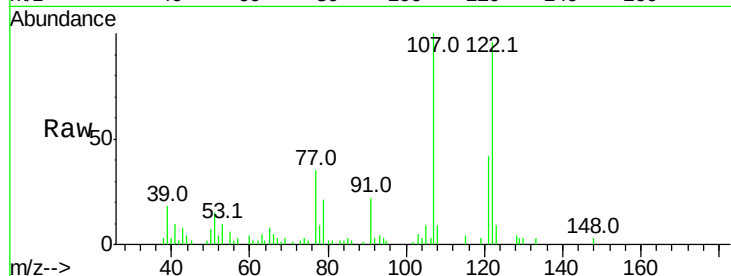
Tot Ion:122 Resp: 16306

Ion Ratio Lower Upper

122 100

105 9.2 101.1 141.1#

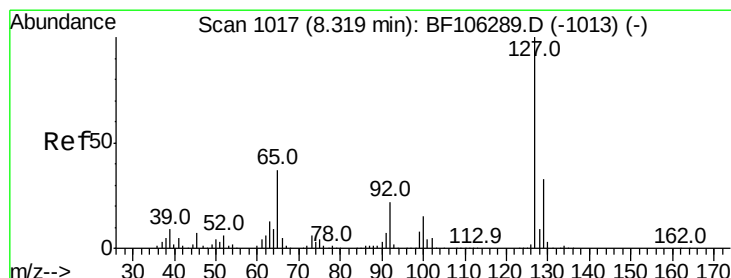
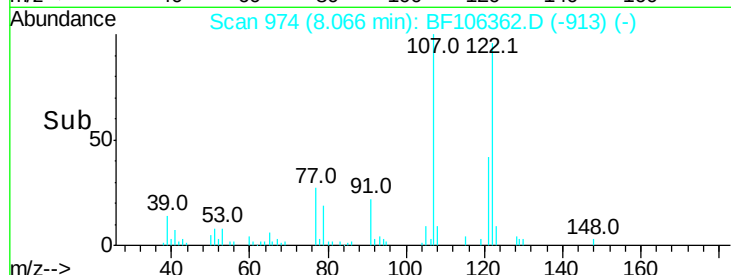
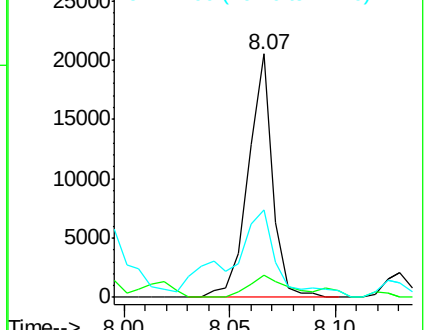
77 35.8 70.7 110.7#



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: 53.435 ng

RT: 8.29 min Scan# 1012

Delta R.T. -0.03 min

Lab File: BF106362.D

Acq: 12 Jun 2018 23:11

Tgt Ion:127 Resp: 512983

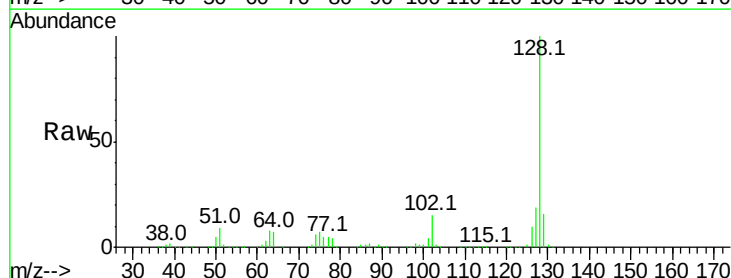
Ion Ratio Lower Upper

127 100

129 85.1 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

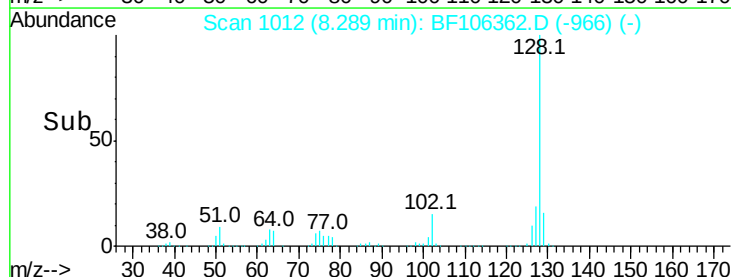
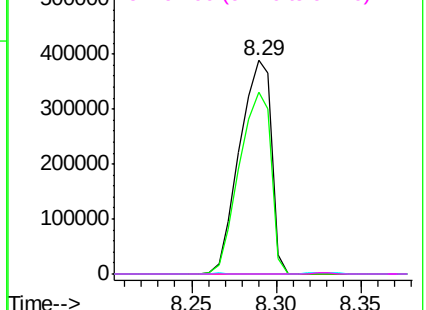


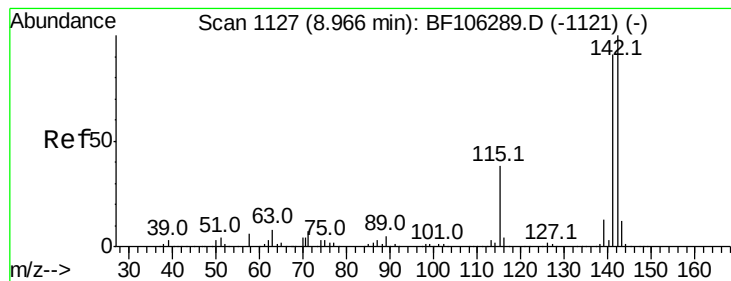
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1





#37

2-Methylnaphthalene

Concen: 9.938 ng

RT: 8.97 min Scan# 1128

Delta R.T. 0.01 min

Lab File: BF106362.D

Acq: 12 Jun 2018 23:11

Instrument :

BNA_F

ClientSampled :

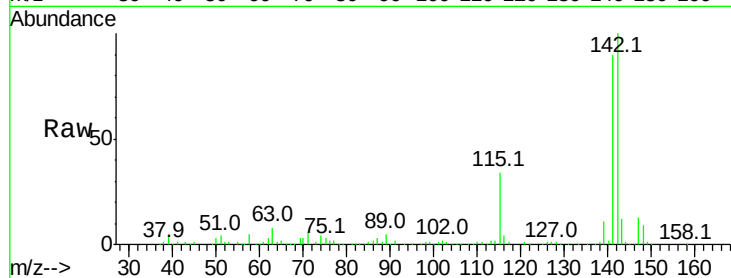
Tot Ion:142 Resp: 146628

Ion Ratio Lower Upper

142 100

141 90.2 70.8 106.2

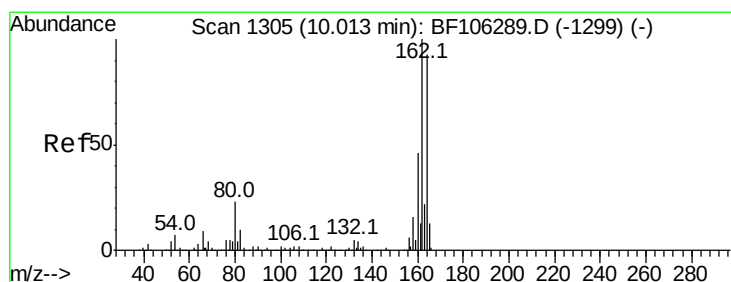
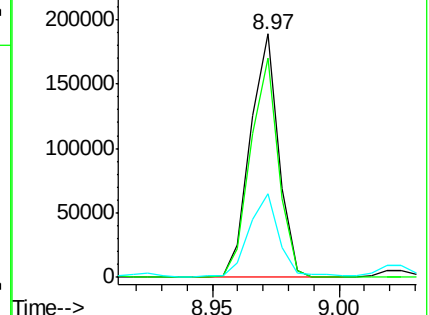
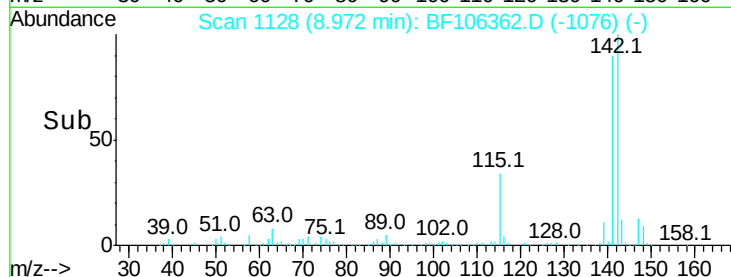
115 34.5 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1306

Delta R.T. 0.01 min

Lab File: BF106362.D

Acq: 12 Jun 2018 23:11

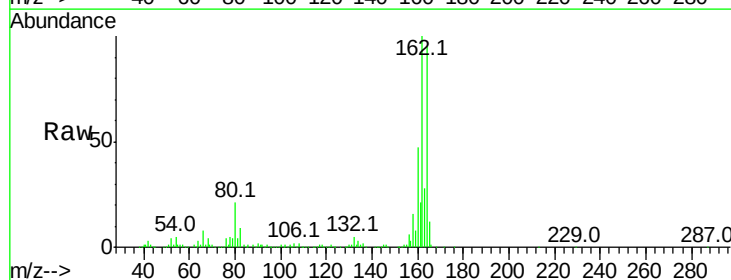
Tgt Ion:164 Resp: 204875

Ion Ratio Lower Upper

164 100

162 105.6 86.1 129.1

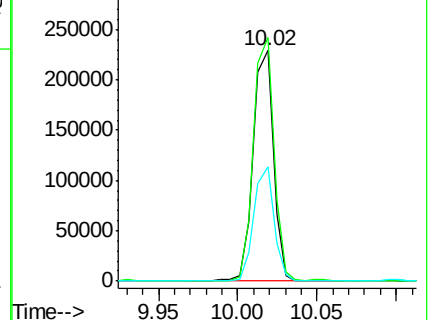
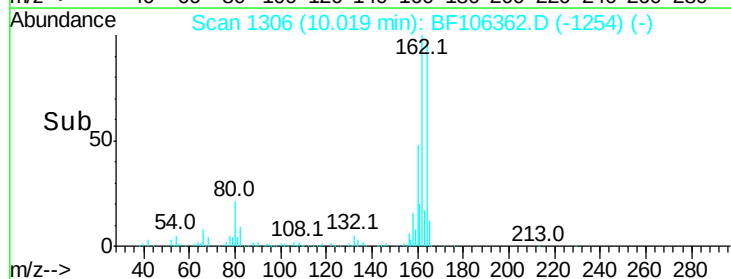
160 49.6 38.3 57.5

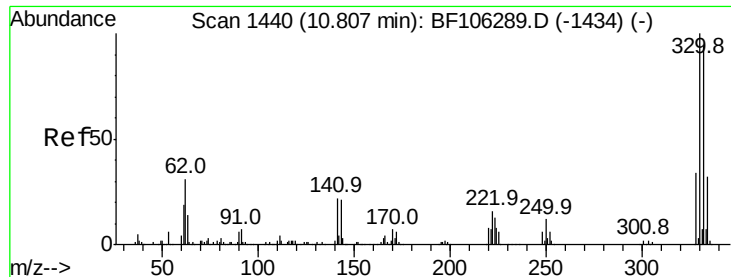


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

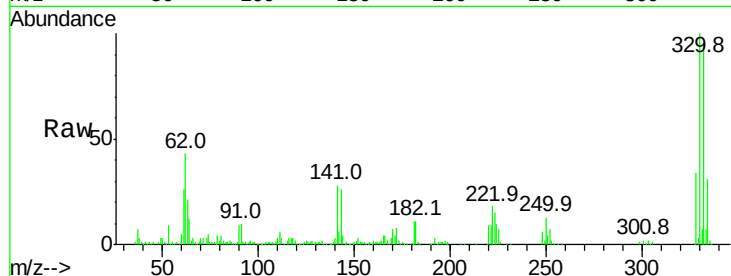




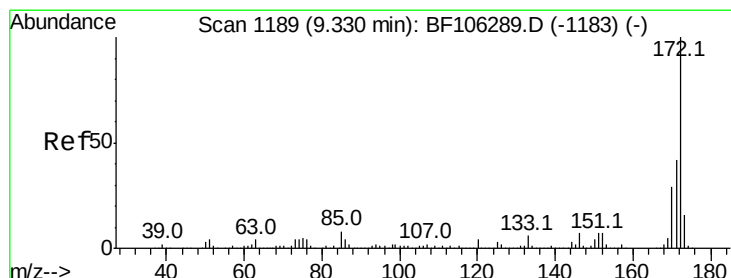
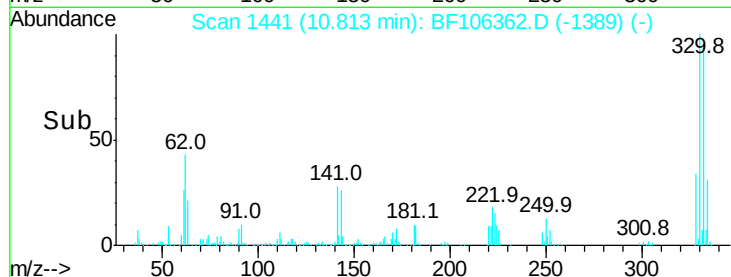
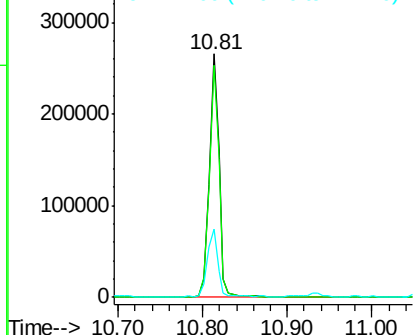
#41
 2,4,6-Tribromophenol
 Concen: 110.303 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: BF106362.D
 Acq: 12 Jun 2018 23:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.0	115.6
141	29.1	29.9	44.9#

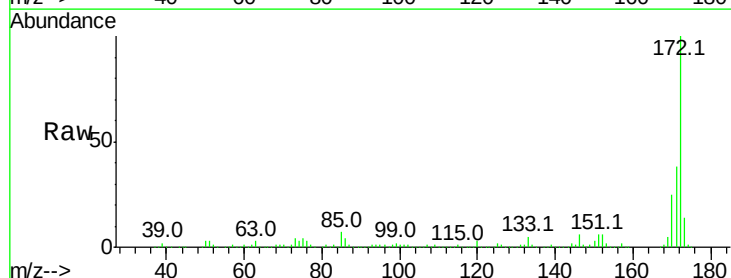


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

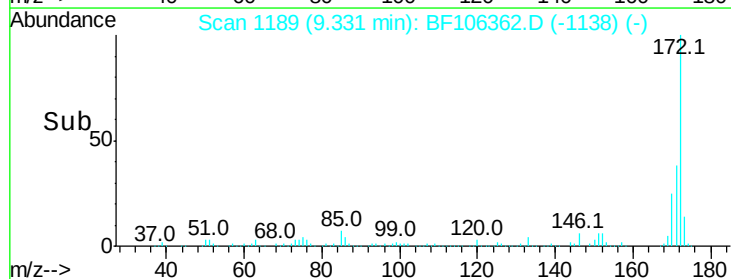
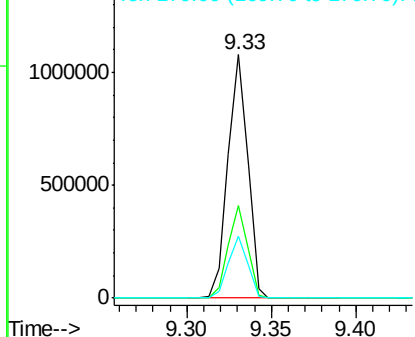


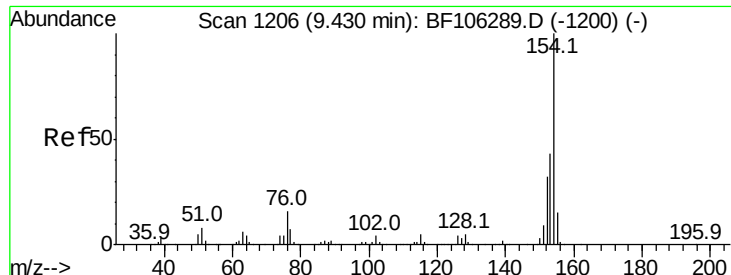
#44
 2-Fluorobiphenyl
 Concen: 72.671 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: BF106362.D
 Acq: 12 Jun 2018 23:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	29.7	44.5
170	25.4	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: 10.682 ng

RT: 9.43 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BF106362.D

Acq: 12 Jun 2018 23:11

Instrument :

BNA_F

ClientSampled :

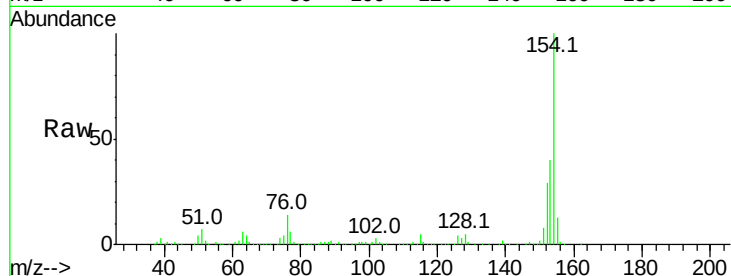
Tot Ion:154 Resp: 169515

Ion Ratio Lower Upper

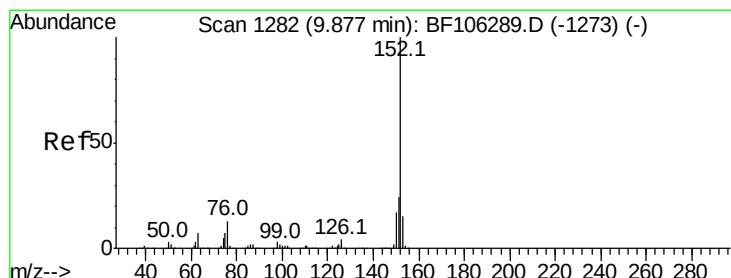
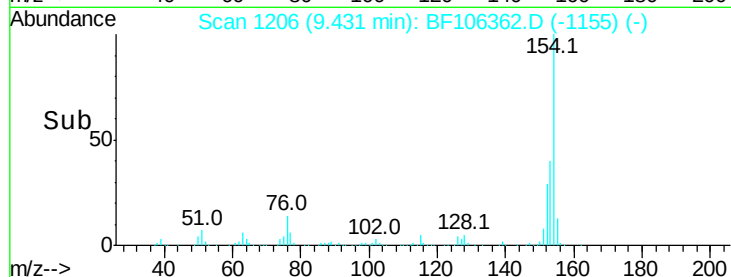
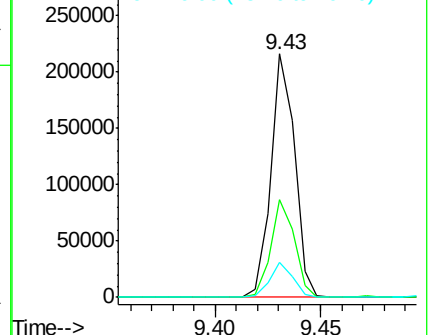
154 100

153 40.0 21.3 61.3

76 14.4 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#48

Acenaphthylene

Concen: 10.709 ng

RT: 9.88 min Scan# 1282

Delta R.T. 0.00 min

Lab File: BF106362.D

Acq: 12 Jun 2018 23:11

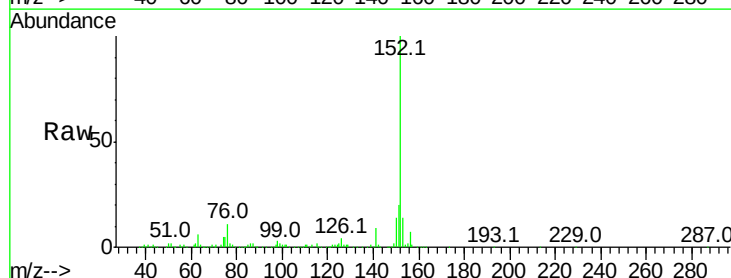
Tgt Ion:152 Resp: 208161

Ion Ratio Lower Upper

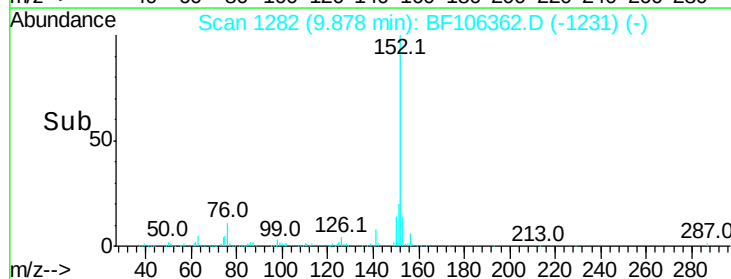
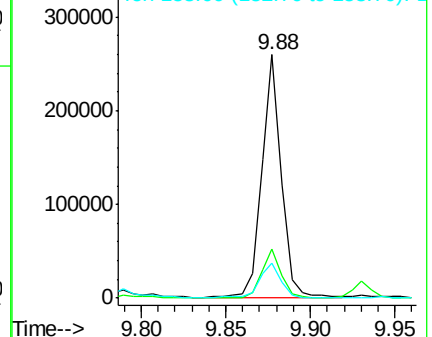
152 100

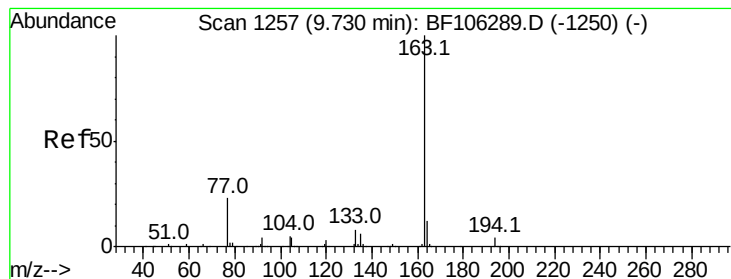
151 20.2 16.3 24.5

153 14.3 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 7.428 ng

RT: 9.72 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF106362.D

Acq: 12 Jun 2018 23:11

Instrument :

BNA_F

ClientSampleId :

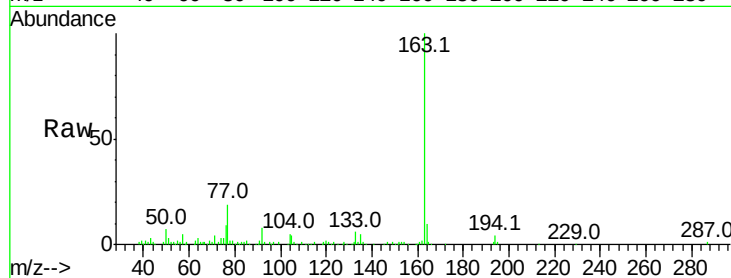
Tot Ion:163 Resp: 108729

Ion Ratio Lower Upper

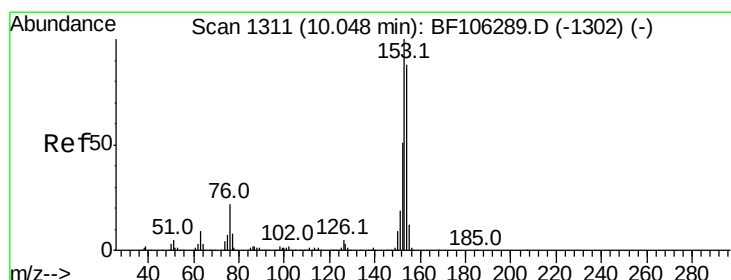
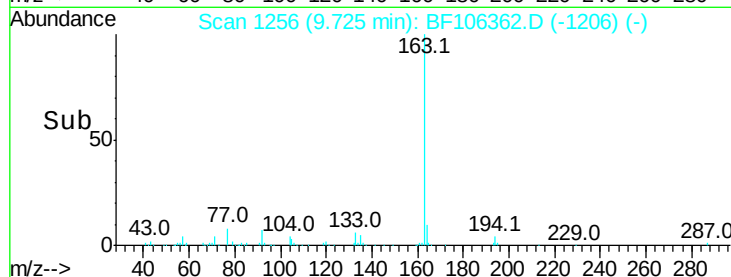
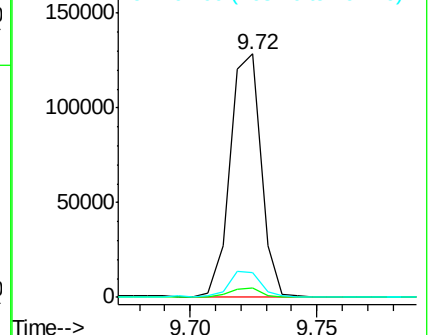
163 100

194 3.7 2.7 4.1

164 10.2 8.2 12.2



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



#51

Acenaphthene

Concen: 29.294 ng

RT: 10.05 min Scan# 1311

Delta R.T. 0.00 min

Lab File: BF106362.D

Acq: 12 Jun 2018 23:11

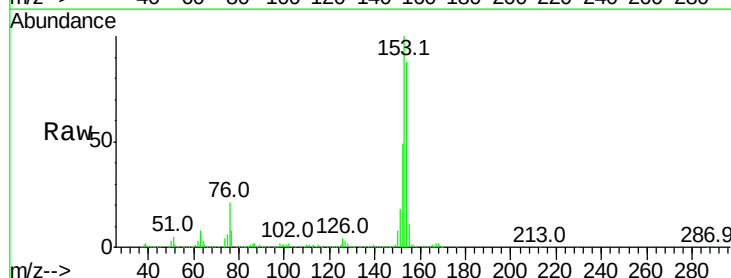
Tgt Ion:154 Resp: 367721

Ion Ratio Lower Upper

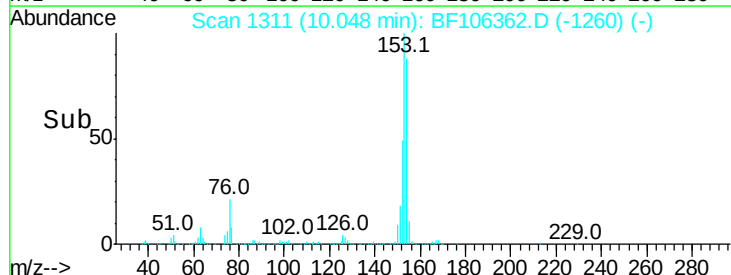
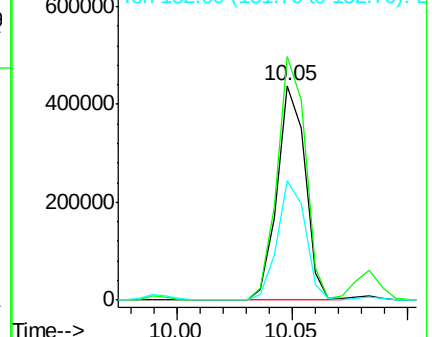
154 100

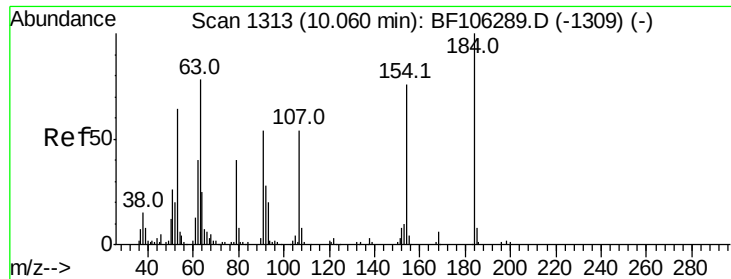
153 113.4 91.2 136.8

152 55.6 43.8 65.8



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

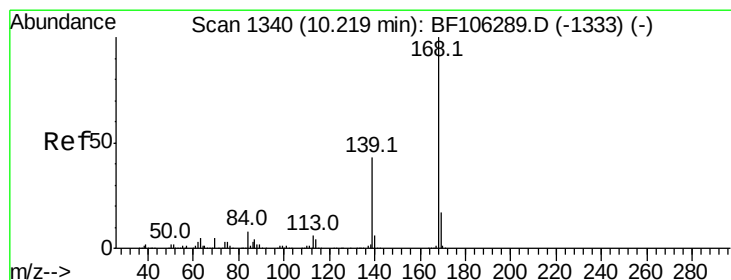
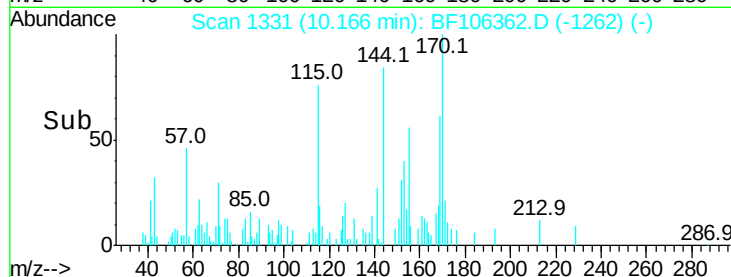
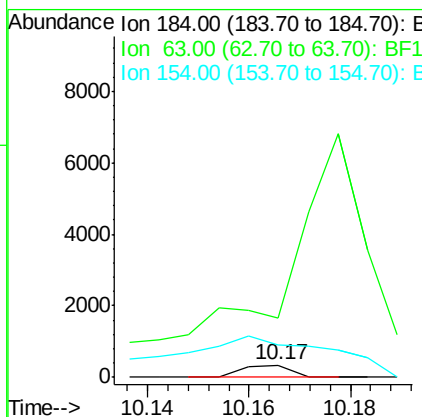
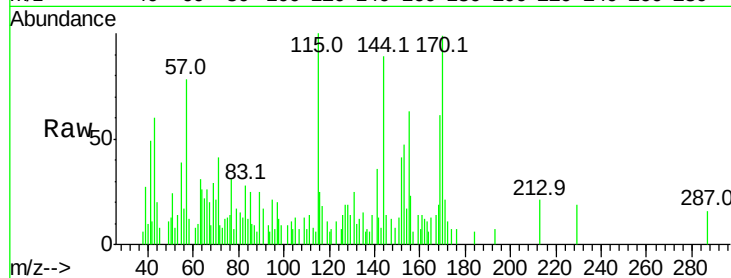




#53
2,4-Dinitrophenol
Concen: 8.763 ng
RT: 10.17 min Scan# 1331
Delta R.T. 0.11 min
Lab File: BF106362.D
Acq: 12 Jun 2018 23:11

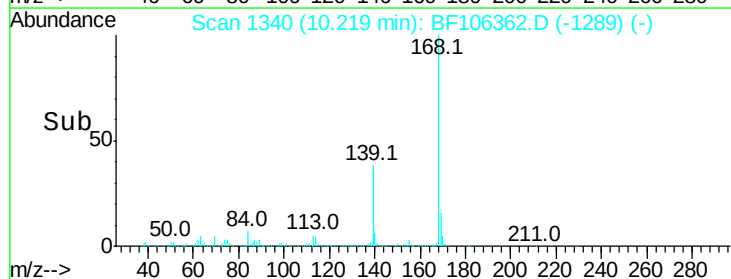
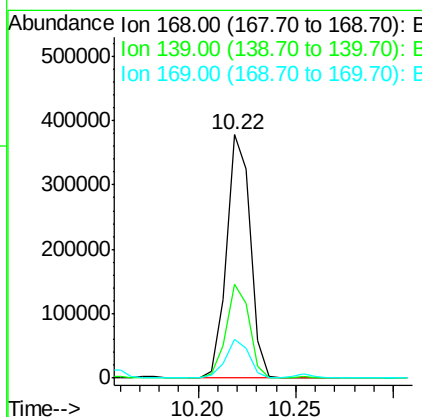
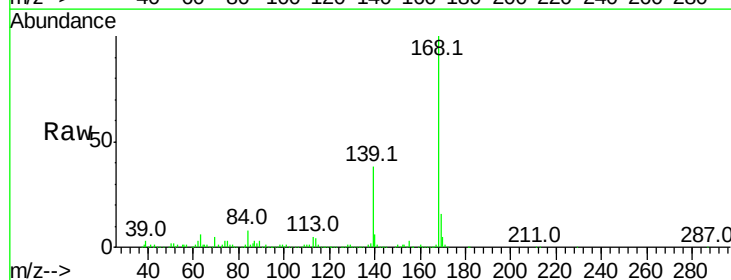
Instrument :
BNA_F
ClientSampleId :

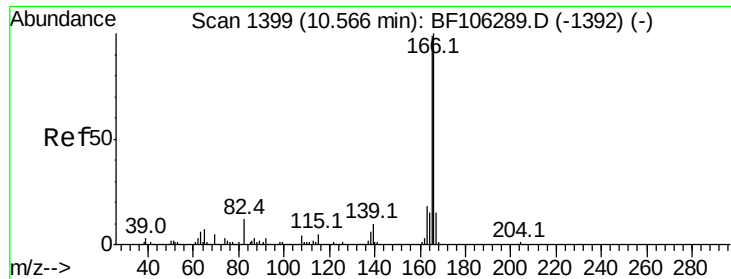
Tot Ion:184 Resp: 230
Ion Ratio Lower Upper
184 100
63 481.0 54.2 81.2#
154 265.5 184.0 276.0



#54
Dibenzofuran
Concen: 18.812 ng
RT: 10.22 min Scan# 1340
Delta R.T. 0.00 min
Lab File: BF106362.D
Acq: 12 Jun 2018 23:11

Tgt Ion:168 Resp: 317996
Ion Ratio Lower Upper
168 100
139 38.4 30.1 45.1
169 15.8 10.9 16.3

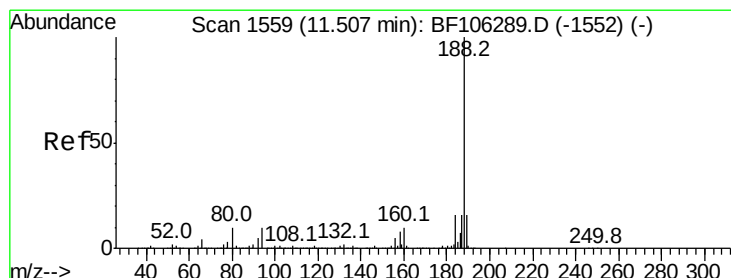
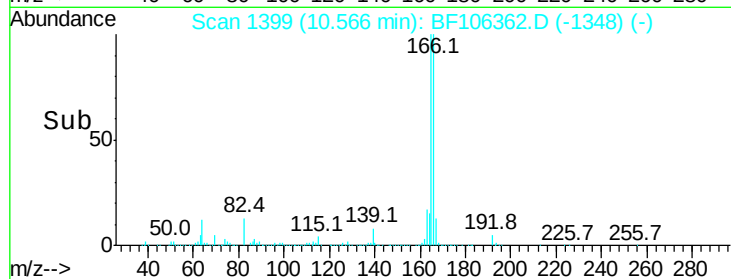
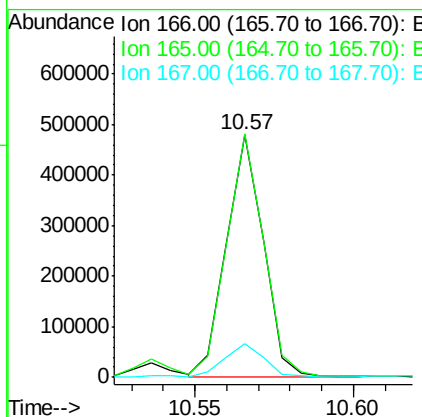
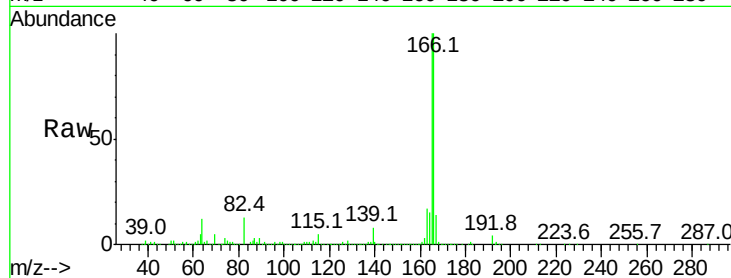




#57
 Fluorene
 Concen: 28.681 ng
 RT: 10.57 min Scan# 1399
 Delta R.T. 0.00 min
 Lab File: BF106362.D
 Acq: 12 Jun 2018 23:11

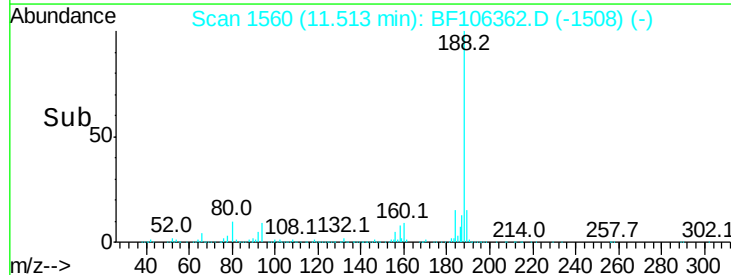
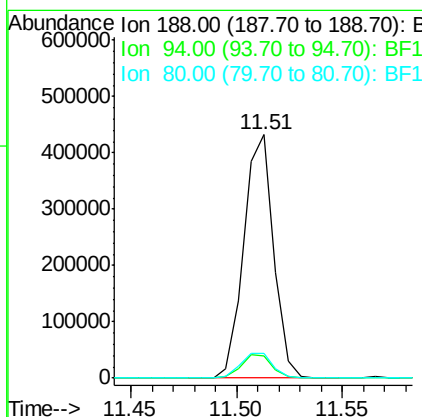
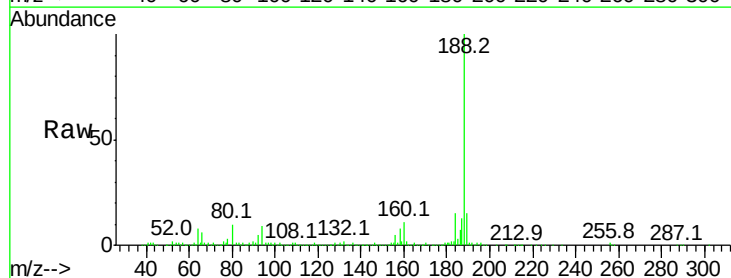
Instrument :
 BNA_F
 ClientSampleId :

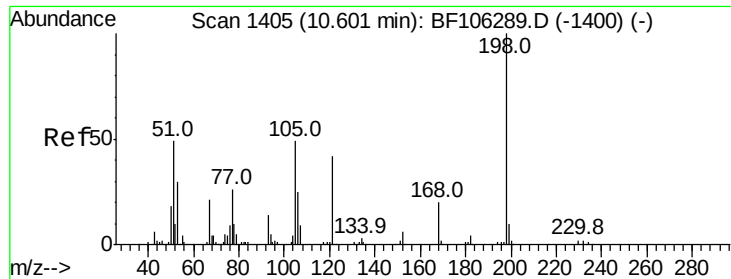
Tot Ion:166 Resp: 384119
 Ion Ratio Lower Upper
 166 100
 165 100.5 79.8 119.8
 167 13.8 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1560
 Delta R.T. 0.01 min
 Lab File: BF106362.D
 Acq: 12 Jun 2018 23:11

Tgt Ion:188 Resp: 420937
 Ion Ratio Lower Upper
 188 100
 94 9.3 8.5 12.7
 80 10.1 9.2 13.8

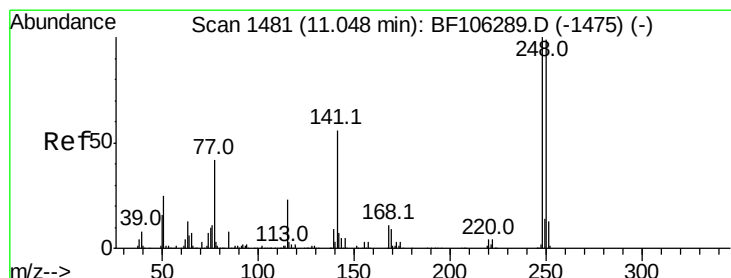
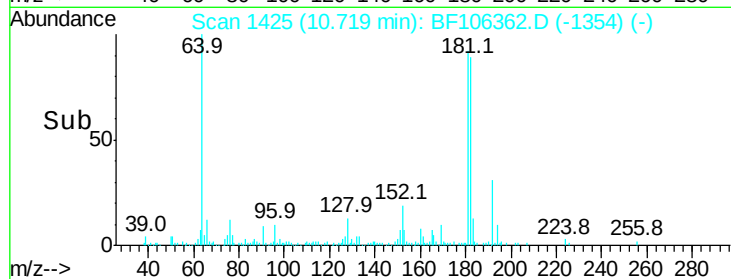
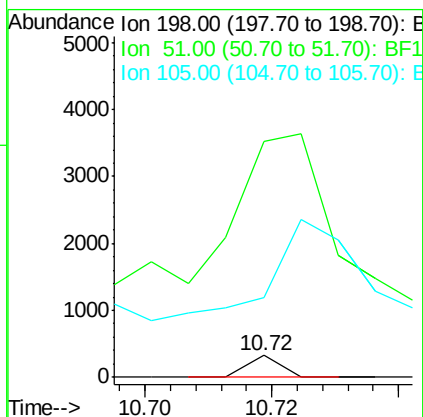
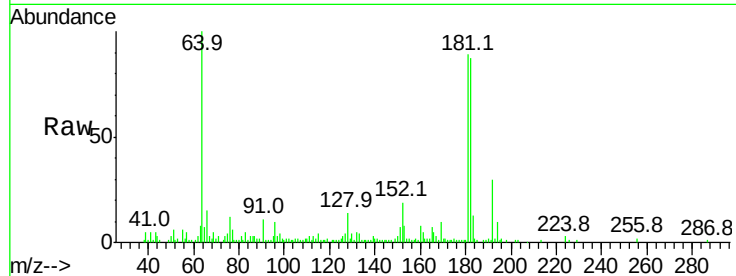




#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.339 ng
 RT: 10.72 min Scan# 1425
 Delta R.T. 0.12 min
 Lab File: BF106362.D
 Acq: 12 Jun 2018 23:11

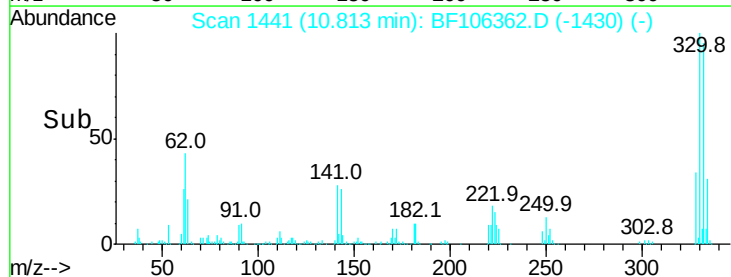
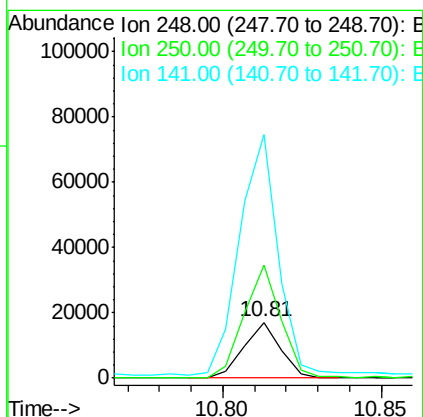
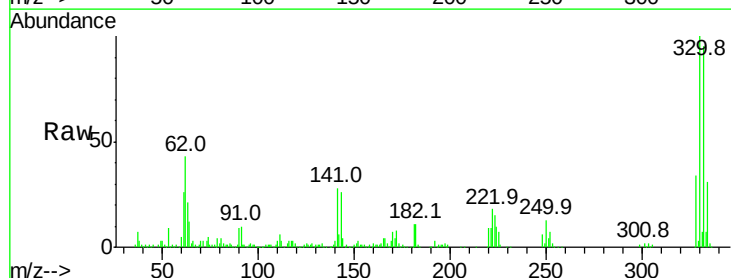
Instrument :
 BNA_F
 ClientSampleId :

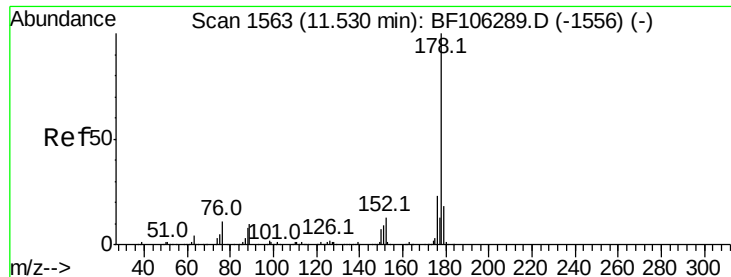
Tot Ion:198 Resp: 116
 Ion Ratio Lower Upper
 198 100
 51 1070.3 37.7 77.7#
 105 362.7 36.3 76.3#



#66
 4-Bromophenyl-phenylether
 Concen: 2.846 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. -0.24 min
 Lab File: BF106362.D
 Acq: 12 Jun 2018 23:11

Tgt Ion:248 Resp: 13627
 Ion Ratio Lower Upper
 248 100
 250 202.0 76.9 115.3#
 141 434.3 74.4 111.6#





#70

Phenanthrene

Concen: 63.412 ng

RT: 11.54 min Scan# 1564

Delta R.T. 0.01 min

Lab File: BF106362.D

Acq: 12 Jun 2018 23:11

Instrument :

BNA_F

ClientSampleId :

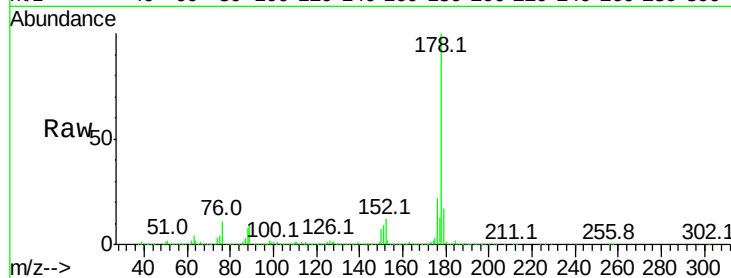
Tot Ion:178 Resp: 1307232

Ion Ratio Lower Upper

178 100

176 22.0 15.8 23.8

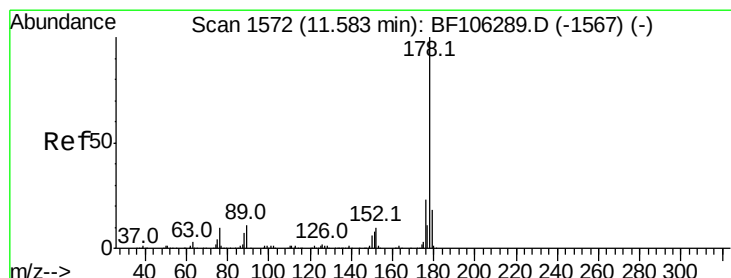
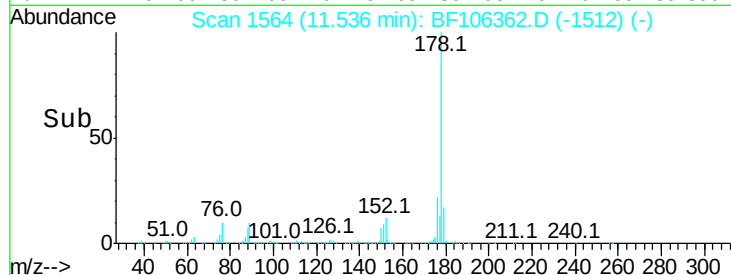
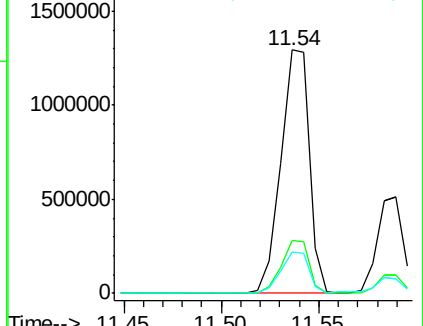
179 17.2 13.0 19.6



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: 22.561 ng

RT: 11.59 min Scan# 1573

Delta R.T. 0.01 min

Lab File: BF106362.D

Acq: 12 Jun 2018 23:11

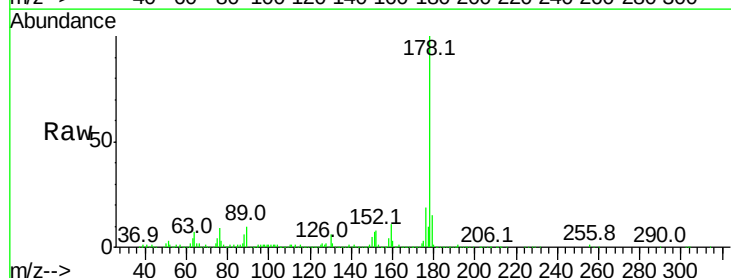
Tgt Ion:178 Resp: 465946

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

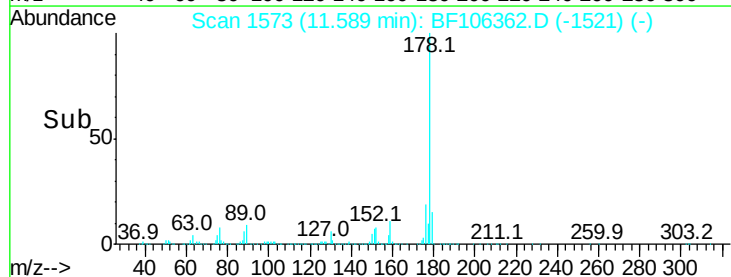
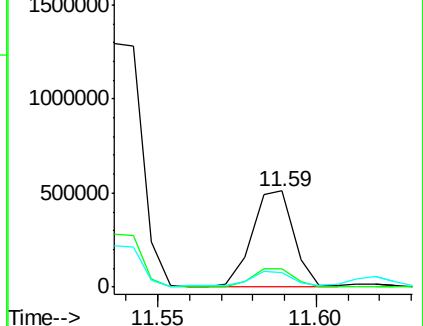
179 15.4 12.6 19.0

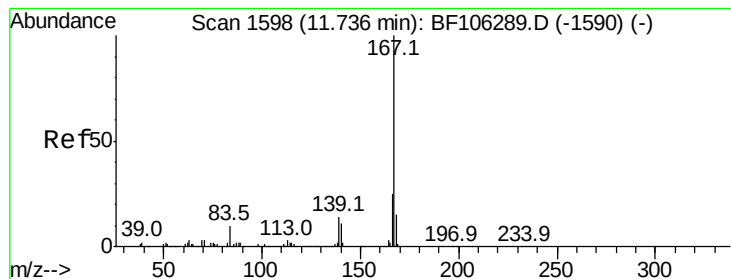


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 16.804 ng

RT: 11.75 min Scan# 1600

Delta R.T. 0.01 min

Lab File: BF106362.D

Acq: 12 Jun 2018 23:11

Instrument :

BNA_F

ClientSampleId :

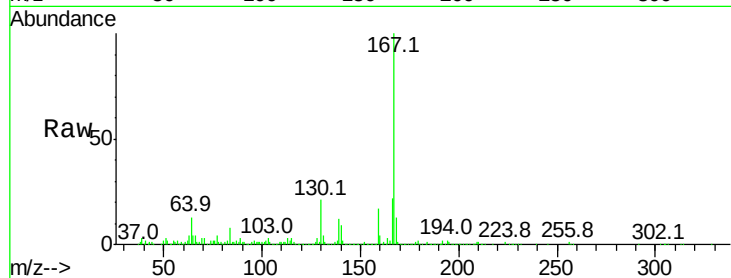
Tot Ion:167 Resp: 320402

Ion Ratio Lower Upper

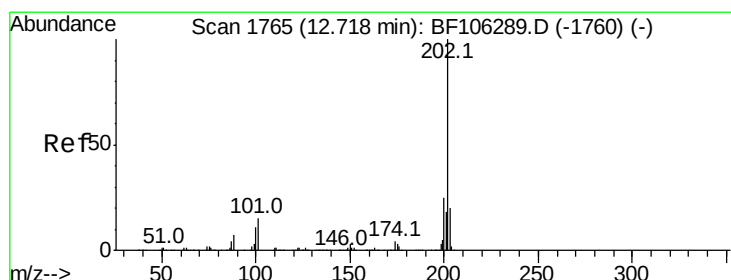
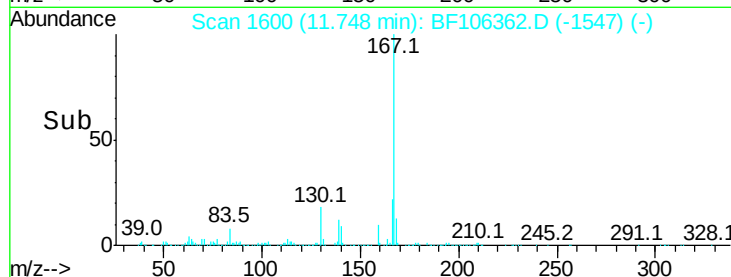
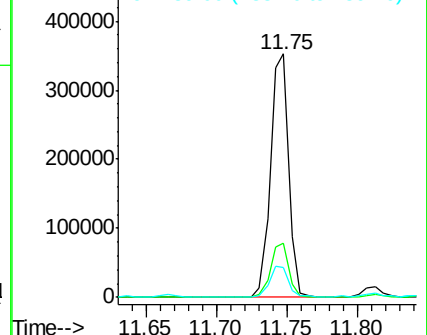
167 100

166 22.5 17.6 26.4

139 12.4 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: 55.608 ng

RT: 12.75 min Scan# 1770

Delta R.T. 0.03 min

Lab File: BF106362.D

Acq: 12 Jun 2018 23:11

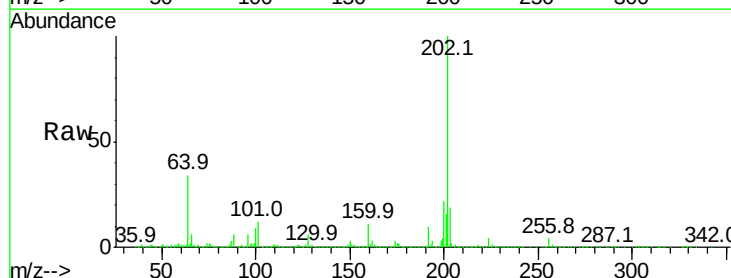
Tgt Ion:202 Resp: 1222525

Ion Ratio Lower Upper

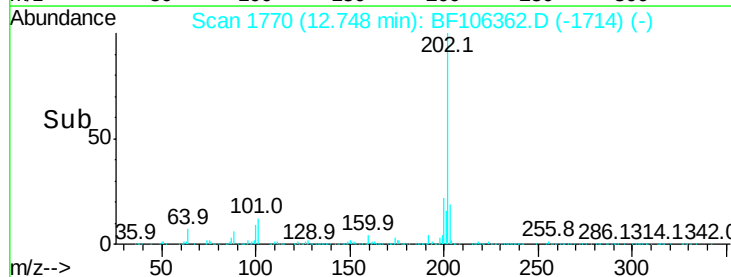
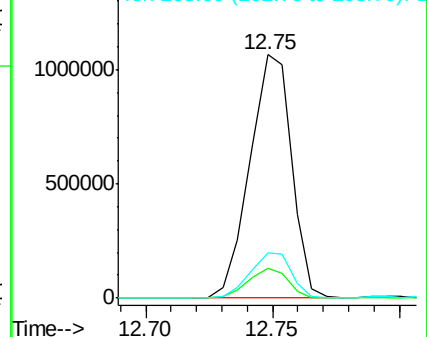
202 100

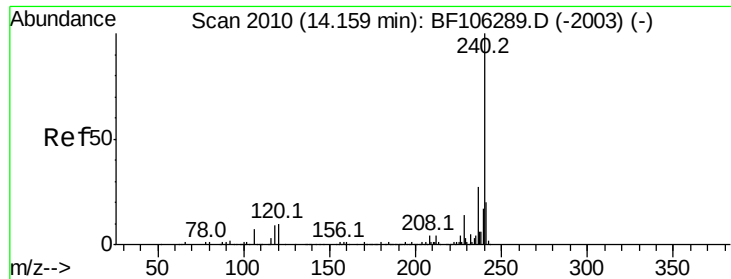
101 12.5 0.0 34.1

203 18.6 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: 14.17 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BF106362.D

Acq: 12 Jun 2018 23:11

Instrument :

BNA_F

ClientSampled :

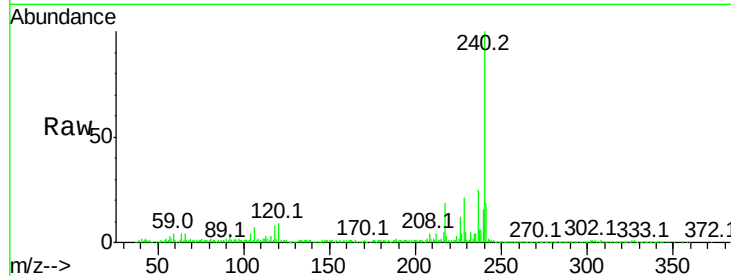
Tot Ion:240 Resp: 387207

Ion Ratio Lower Upper

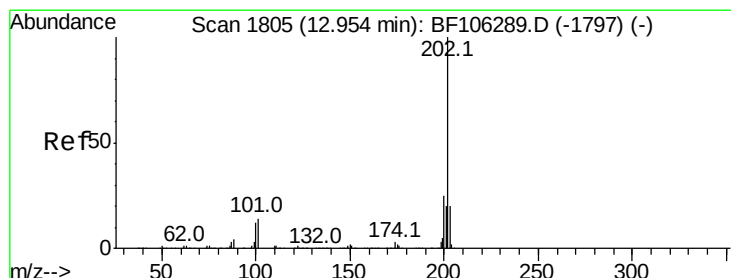
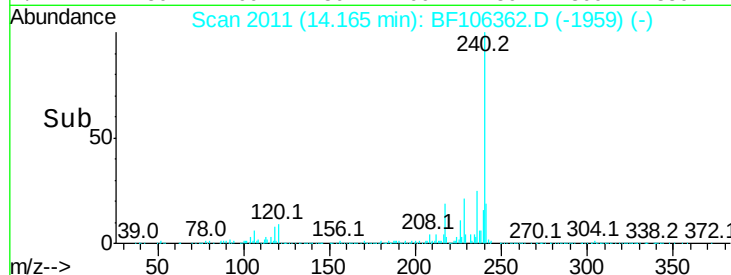
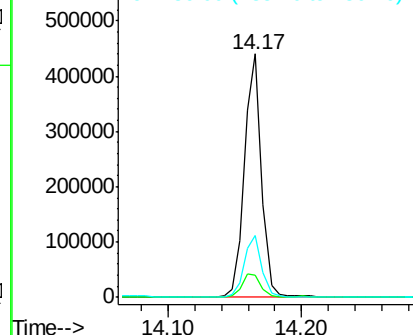
240 100

120 9.4 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

Pyrene

Concen: 43.871 ng

RT: 12.98 min Scan# 1809

Delta R.T. 0.02 min

Lab File: BF106362.D

Acq: 12 Jun 2018 23:11

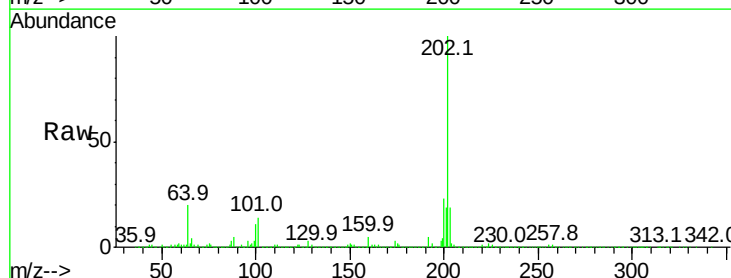
Tgt Ion:202 Resp: 1063504

Ion Ratio Lower Upper

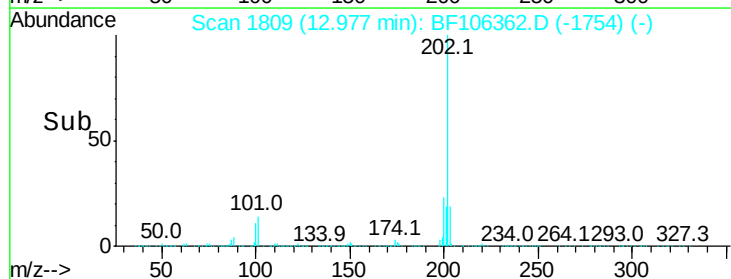
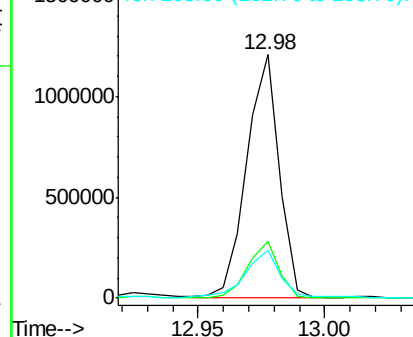
202 100

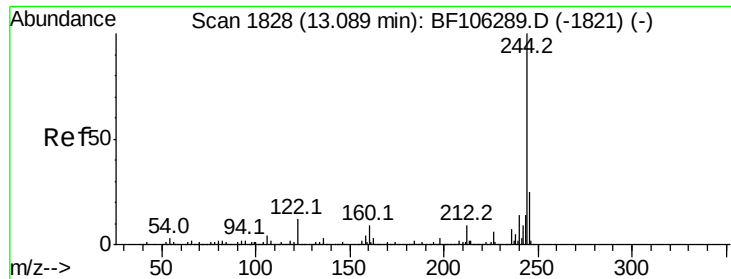
200 23.4 17.4 26.2

203 19.5 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: 64.629 ng

RT: 13.10 min Scan# 1830

Delta R.T. 0.01 min

Lab File: BF106362.D

Acq: 12 Jun 2018 23:11

Instrument :

BNA_F

ClientSampled :

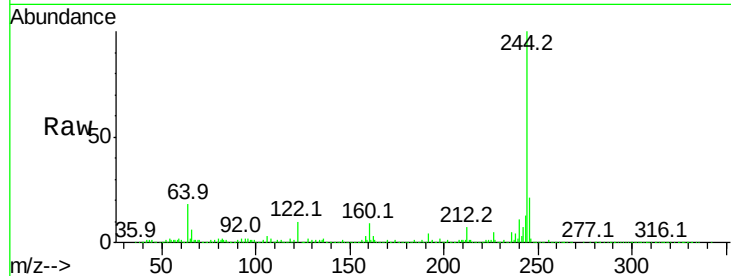
Tot Ion:244 Resp: 1007522

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

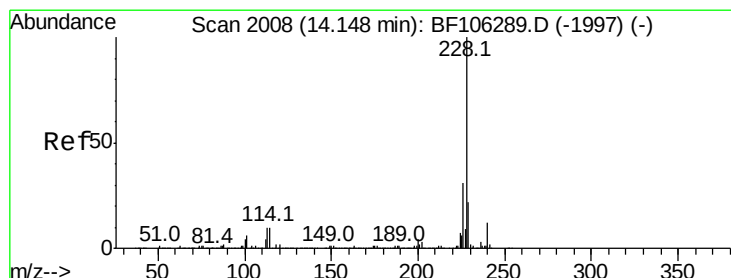
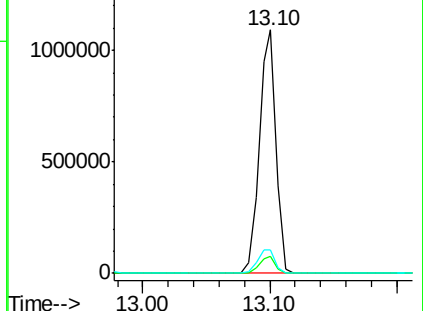
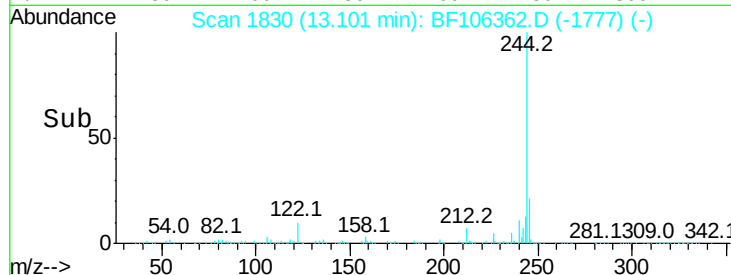
122 9.8 11.0 16.4#



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: 28.701 ng

RT: 14.15 min Scan# 2009

Delta R.T. 0.01 min

Lab File: BF106362.D

Acq: 12 Jun 2018 23:11

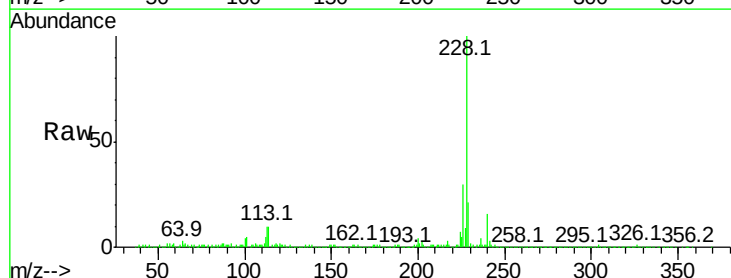
Tgt Ion:228 Resp: 661348

Ion Ratio Lower Upper

228 100

226 30.2 22.6 33.8

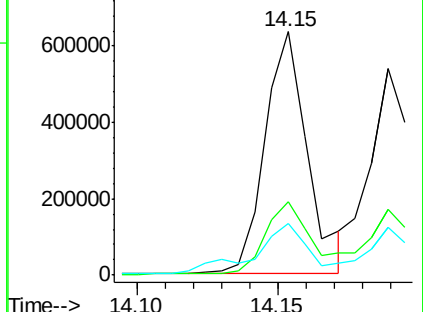
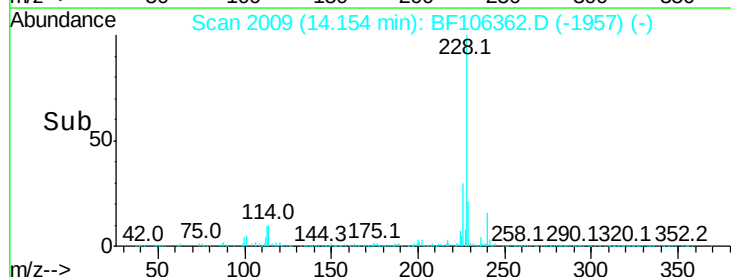
229 21.1 15.8 23.6

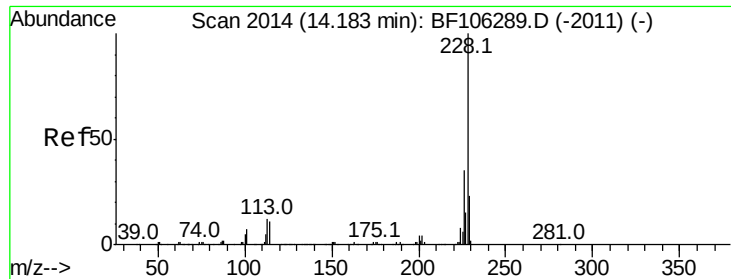


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 24.294 ng

RT: 14.19 min Scan# 2015

Delta R.T. 0.01 min

Lab File: BF106362.D

Acq: 12 Jun 2018 23:11

Instrument :

BNA_F

ClientSampleId :

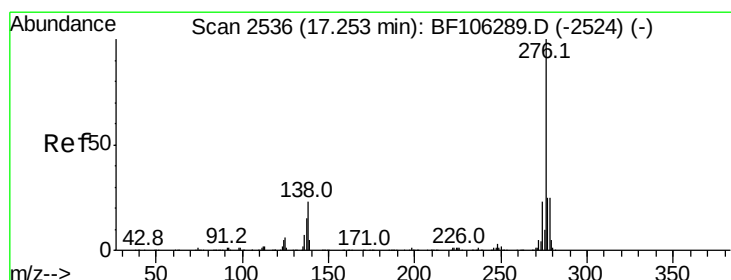
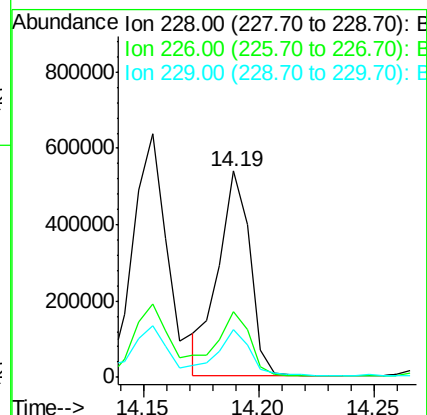
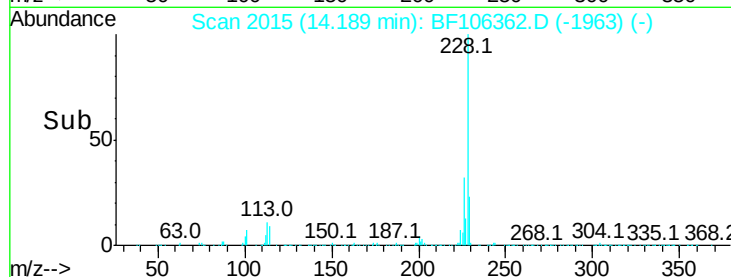
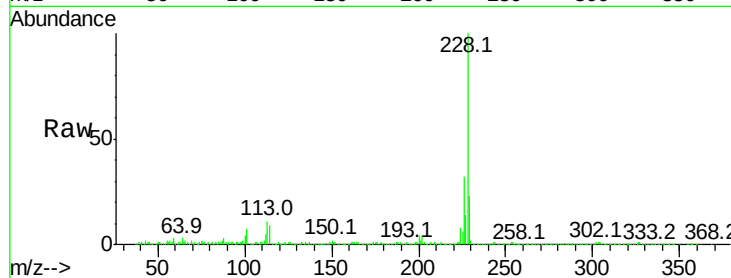
Tot Ion:228 Resp: 511084

Ion Ratio Lower Upper

228 100

226 31.9 25.0 37.6

229 23.3 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 12.837 ng

RT: 17.27 min Scan# 2539

Delta R.T. 0.02 min

Lab File: BF106362.D

Acq: 12 Jun 2018 23:11

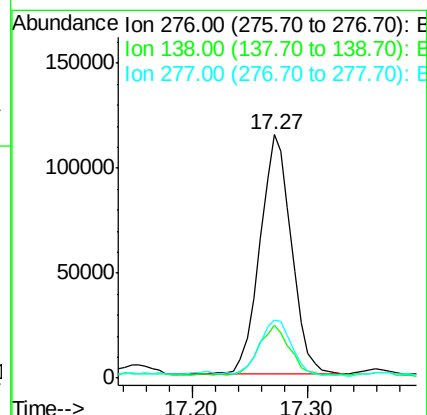
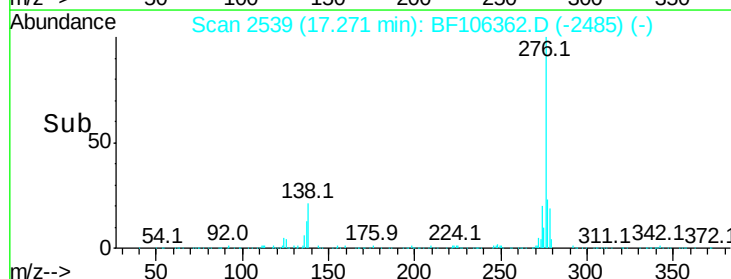
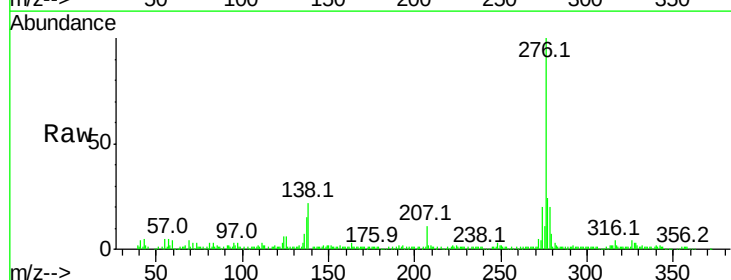
Tgt Ion:276 Resp: 215535

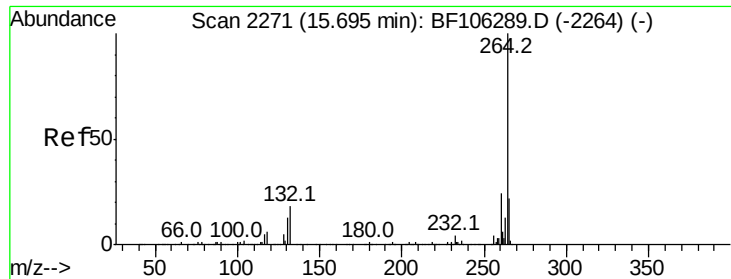
Ion Ratio Lower Upper

276 100

138 20.6 25.0 37.6#

277 24.1 20.1 30.1



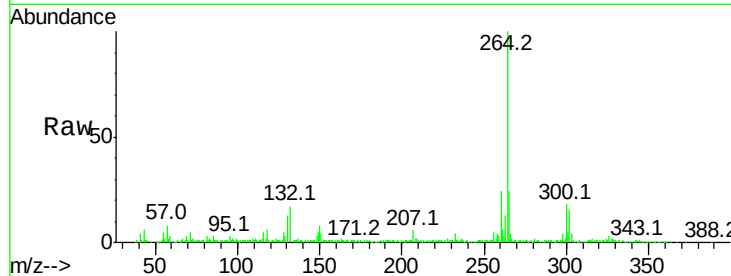


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF106362.D
Acq: 12 Jun 2018 23:11

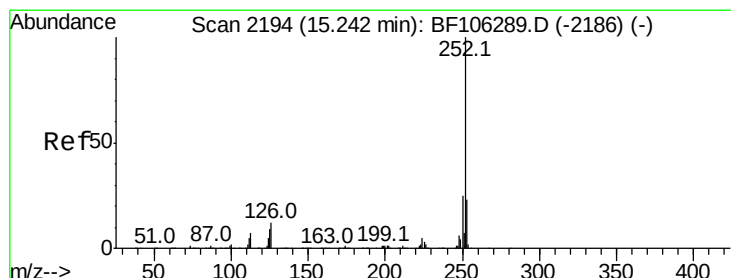
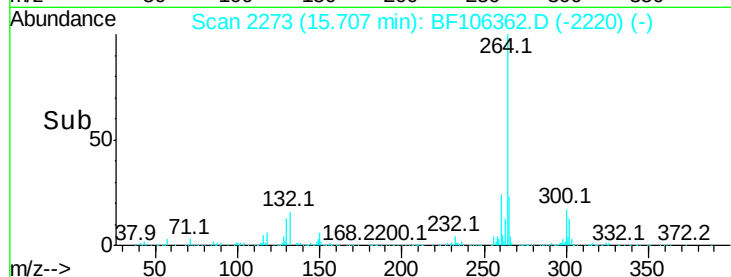
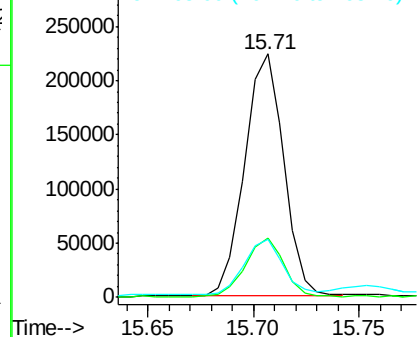
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 287294

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	23.8	17.5	26.3



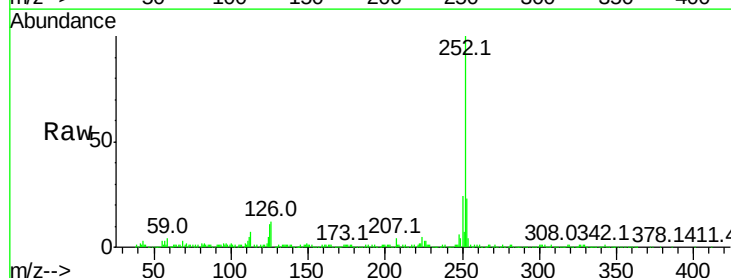
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



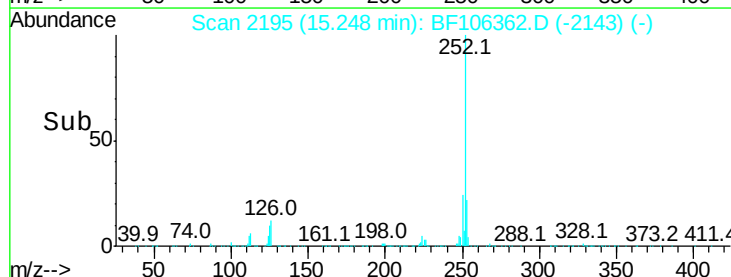
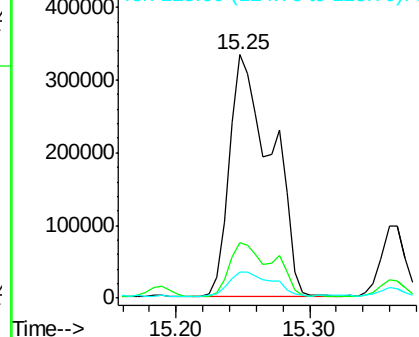
#87
Benzo(b)fluoranthene
Concen: 42.286 ng
RT: 15.25 min Scan# 2195
Delta R.T. 0.01 min
Lab File: BF106362.D
Acq: 12 Jun 2018 23:11

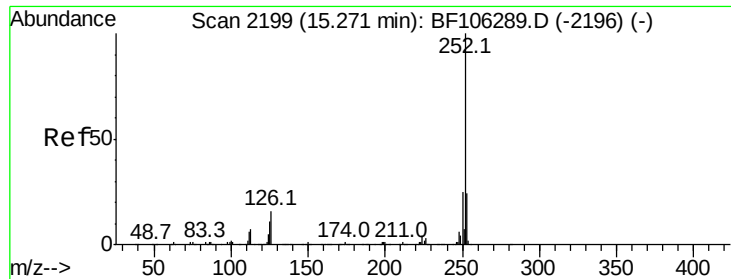
Tgt Ion:252 Resp: 734359

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	10.9	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

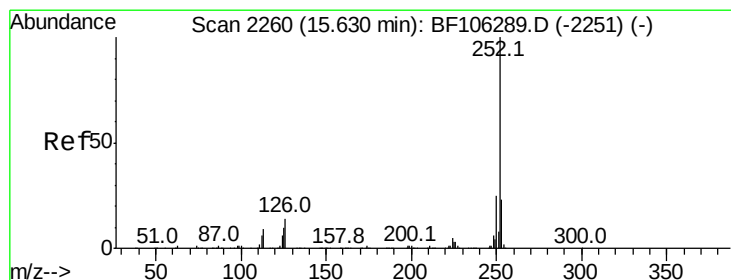
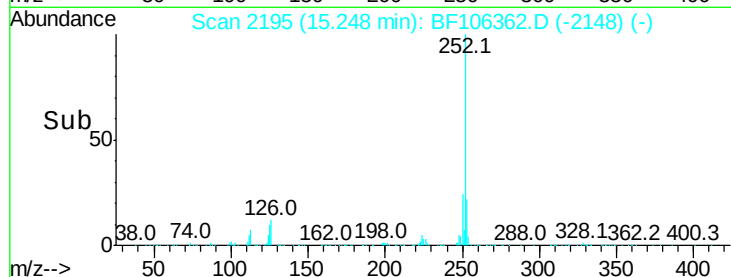
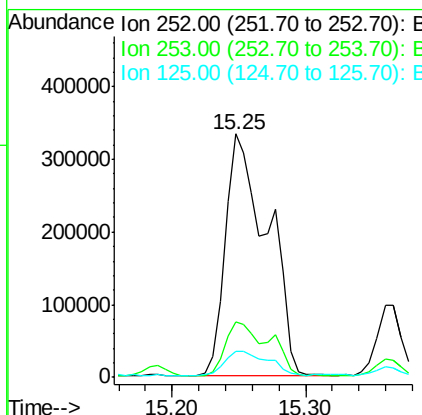
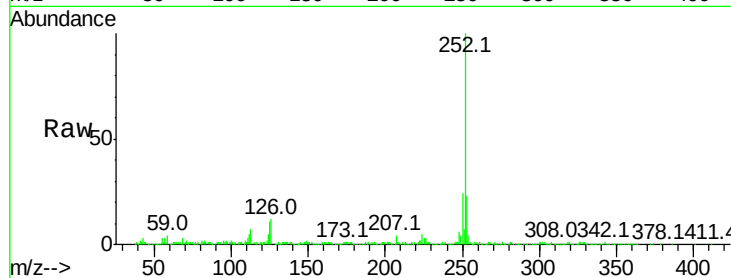




#88
Benzo(k)fluoranthene
Concen: 42.697 ng
RT: 15.25 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF106362.D
Acq: 12 Jun 2018 23:11

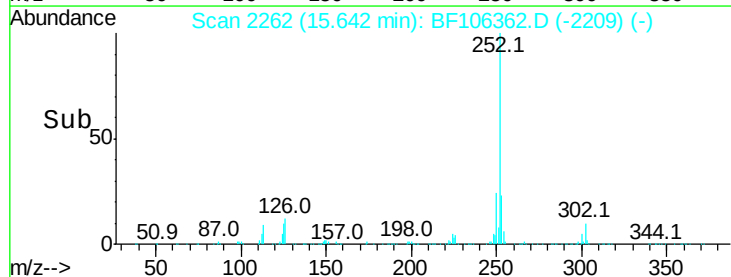
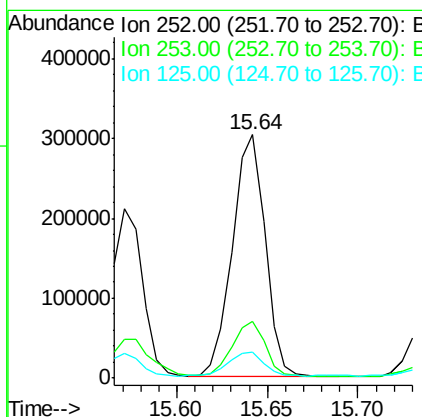
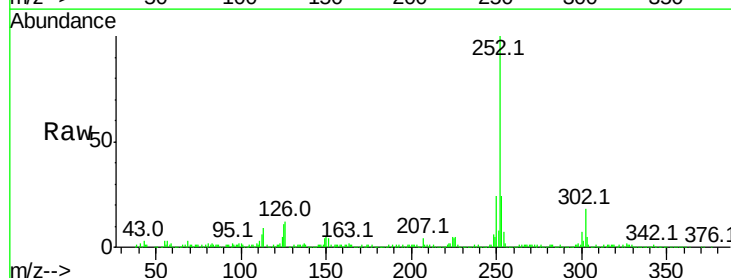
Instrument :
BNA_F
ClientSampleId :

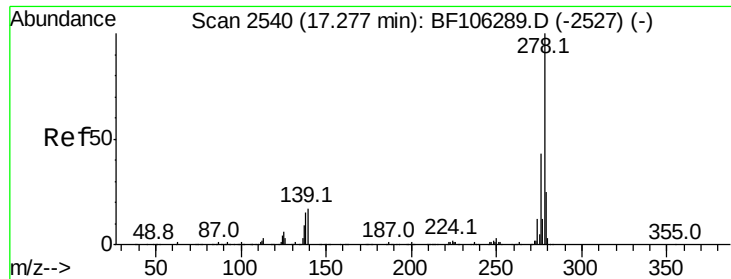
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	10.9	10.2	15.2



#89
Benzo(a)pyrene
Concen: 24.572 ng
RT: 15.64 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF106362.D
Acq: 12 Jun 2018 23:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	10.9	9.8	14.6

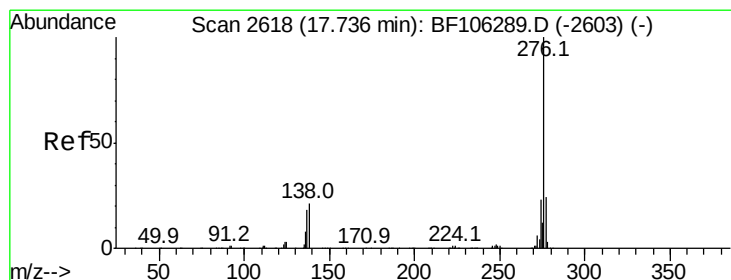
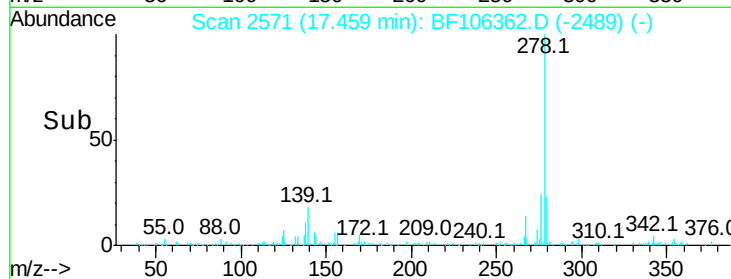
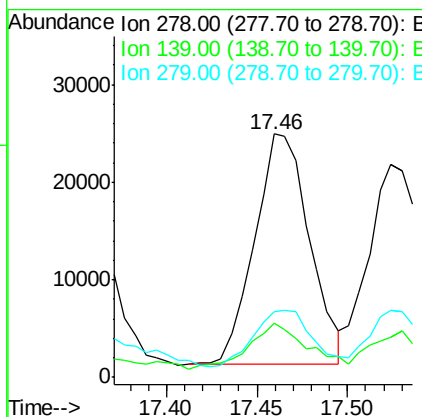
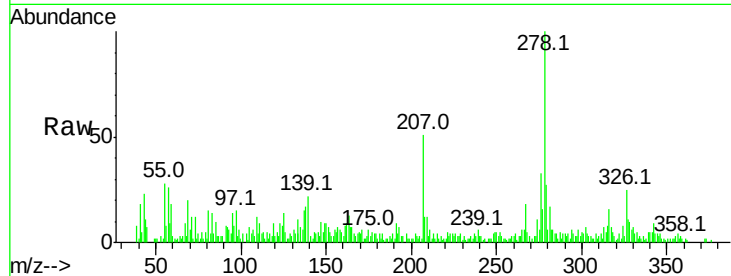




#90
Dibenzo(a,h)anthracene
Concen: 3.813 ng
RT: 17.46 min Scan# 2571
Delta R.T. 0.18 min
Lab File: BF106362.D
Acq: 12 Jun 2018 23:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 49660
Ion Ratio Lower Upper
278 100
139 22.1 15.9 23.9
279 26.8 19.0 28.4



#91
Benzo(g,h,i)perylene
Concen: 15.359 ng
RT: 17.75 min Scan# 2621
Delta R.T. 0.02 min
Lab File: BF106362.D
Acq: 12 Jun 2018 23:11

Tgt Ion:276 Resp: 194386
Ion Ratio Lower Upper
276 100
277 23.0 17.9 26.9
138 22.3 21.8 32.8

