

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
 Data File : BF107665.D
 Acq On : 25 Jul 2018 18:56
 Operator : JU/SJ
 Sample : J4144-01 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 26 02:05:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	200102	20.00	ng	-0.01
21) Naphthalene-d8	8.26	136	700278	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	320310	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	530479	20.00	ng	0.00
75) Chrysene-d12	14.17	240	375086	20.00	ng	0.00
86) Perylene-d12	15.70	264	386106	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	84136	6.76	ng	-0.01
7) Phenol-d6	6.60	99	142706	9.55	ng	-0.01
23) Nitrobenzene-d5	7.53	82	79126	7.63	ng	-0.02
41) 2,4,6-Tribromophenol	10.81	330	32351	8.88	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	171380	3.35	ng	-0.02
78) Terphenyl-d14	13.09	244	143923	9.82	ng	-0.01

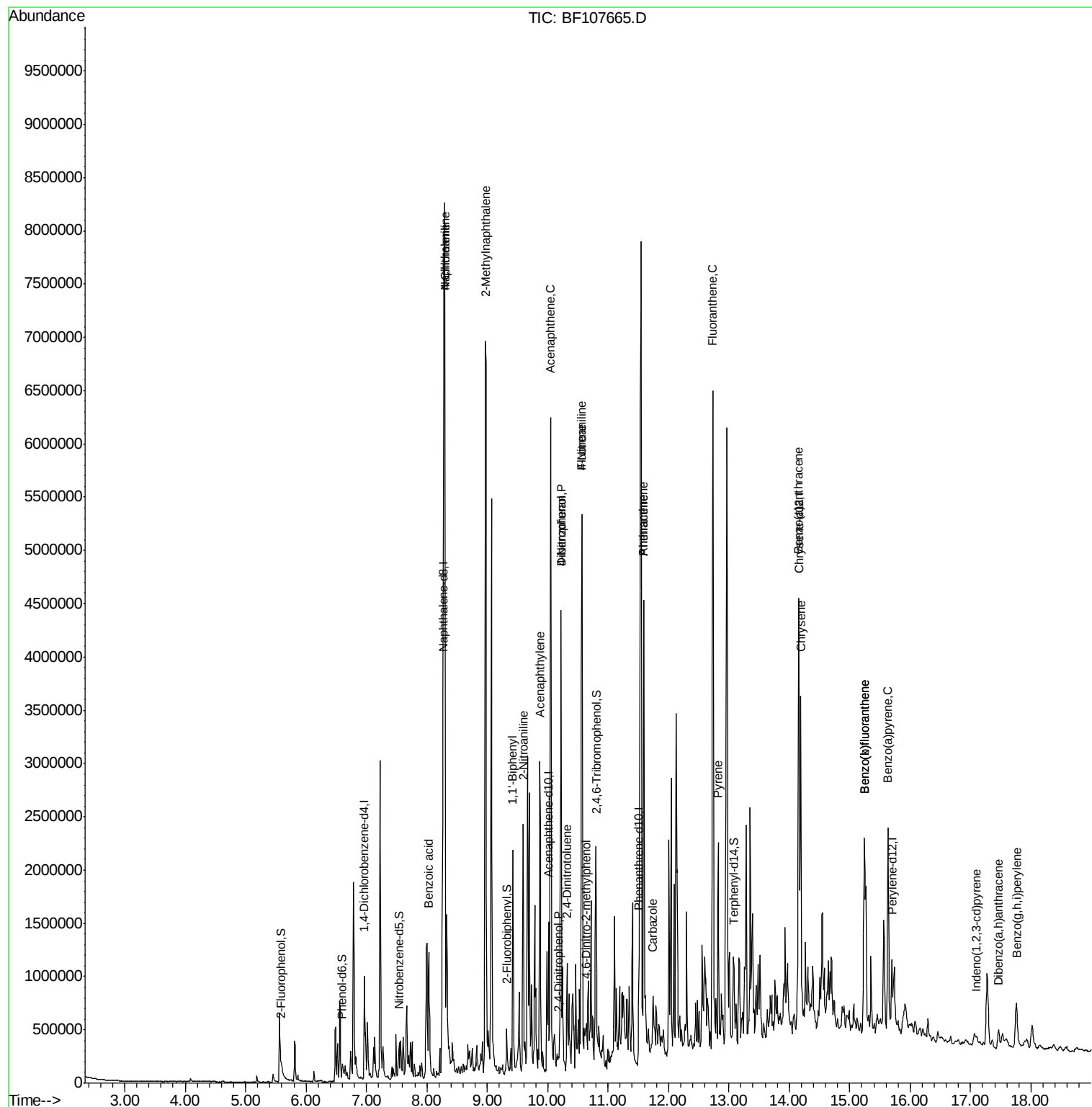
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	16255	Below Cal	#	1
31) Naphthalene	8.30	128	7472357	242.655	ng	87
32) Benzoic acid	8.02	122	972	8.022	ng	1
33) 4-Chloroaniline	8.30	127	1219612	90.613	ng	33
37) 2-Methylnaphthalene	8.97	142	2696001	126.341	ng	95
45) 1,1'-Biphenyl	9.42	154	803184	28.785	ng	96
47) 2-Nitroaniline	9.60	65	13743	2.210	ng	18
48) Acenaphthylene	9.87	152	1153991	36.018	ng	95
51) Acenaphthene	10.05	154	1701080	84.740	ng	99
53) 2,4-Dinitrophenol	10.18	184	282	8.453	ng	1
54) Dibenzofuran	10.22	168	2082034	70.450	ng	95
55) 4-Nitrophenol	10.22	139	819421	187.701	ng	10
56) 2,4-Dinitrotoluene	10.32	165	43238	7.474	ng	60
57) Fluorene	10.57	166	2002531	94.980	ng	96
61) 4-Nitroaniline	10.57	138	21003	4.287	ng	23
64) 4,6-Dinitro-2-methylphenol	10.64	198	243	8.758	ng	1
70) Phenanthrene	11.59	178	2112715	81.729	ng	99
71) Anthracene	11.59	178	2112715	81.172	ng	98
72) Carbazole	11.74	167	201179	7.433	ng	98
73) Di-n-butylphthalate	12.04	149	3704	Below Cal	#	1
74) Fluoranthene	12.74	202	3782275	136.350	ng	95
77) Pyrene	12.82	202	848699	33.080	ng	97
80) Benzo(a)anthracene	14.15	228	1768575	80.460	ng	85
81) 3,3'-Dichlorobenzidine	14.12	252	870	Below Cal	#	35
82) Chrysene	14.19	228	1262276	59.782	ng	94
85) Indeno(1,2,3-cd)pyrene	17.11	276	95729	5.349	ng	93
87) Benzo(b)fluoranthene	15.24	252	1881869	89.057	ng	97
88) Benzo(k)fluoranthene	15.24	252	1881869	90.900	ng	98
89) Benzo(a)pyrene	15.64	252	1115004	57.685	ng	95
90) Dibenzo(a,h)anthracene	17.47	278	142777	8.545	ng	93
91) Benzo(g,h,i)perylene	17.76	276	442364	26.840	ng	92

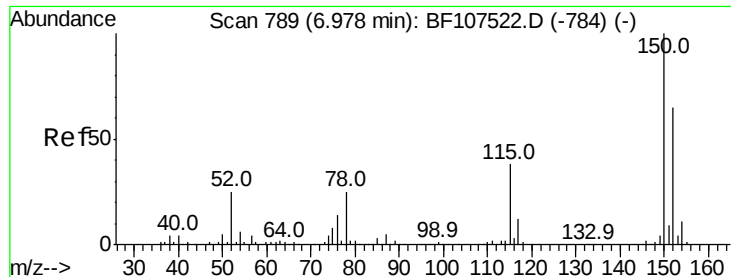
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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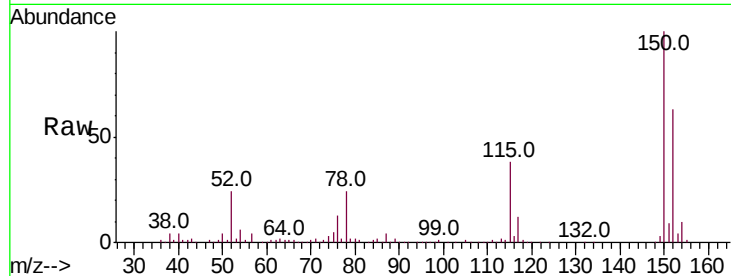


#1

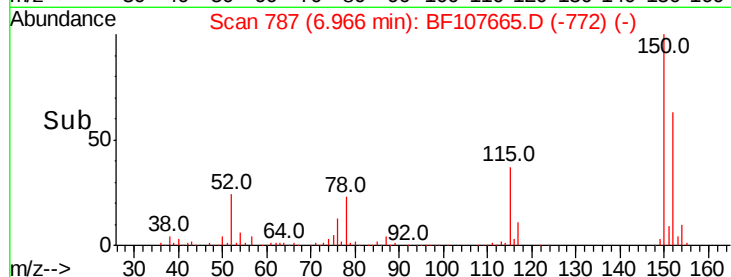
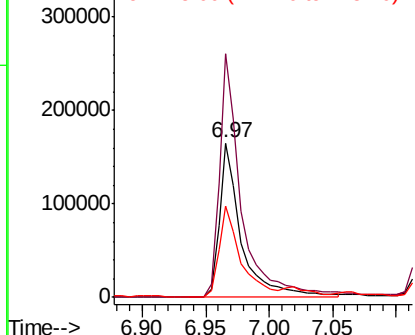
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.6	186.8
115	59.5	50.1	75.1



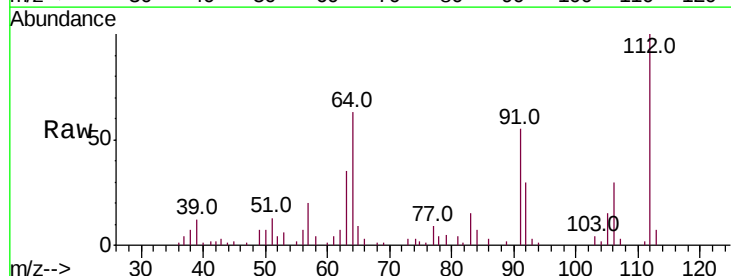
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



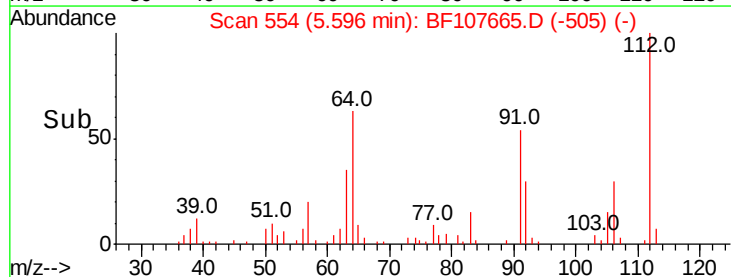
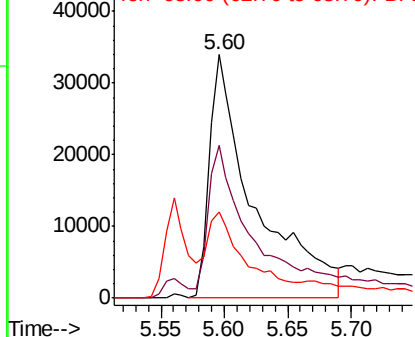
#5

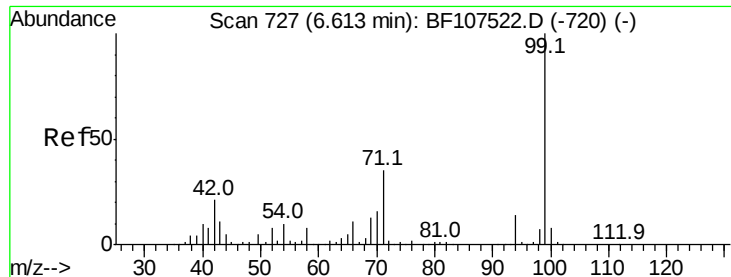
2-Fluorophenol
Concen: 6.760 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.8	47.9	71.9
63	35.4	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: 9.549 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107665.D

Acq: 25 Jul 2018 18:56

Instrument :

BNA_F

ClientSampleId :

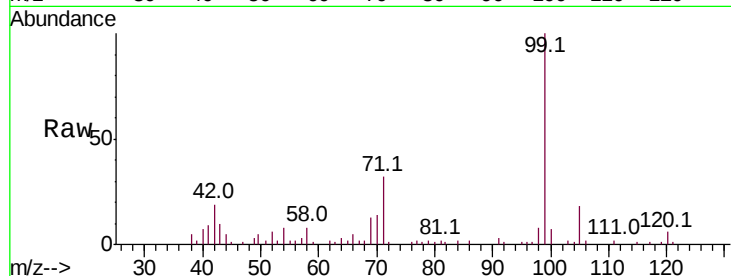
Tot Ion: 99 Resp: 142706

Ion Ratio Lower Upper

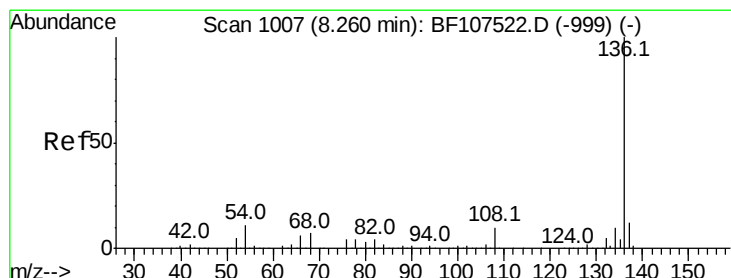
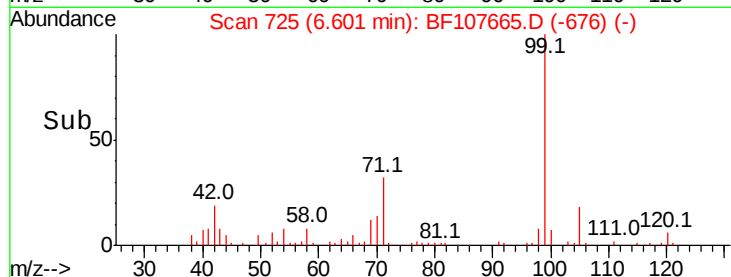
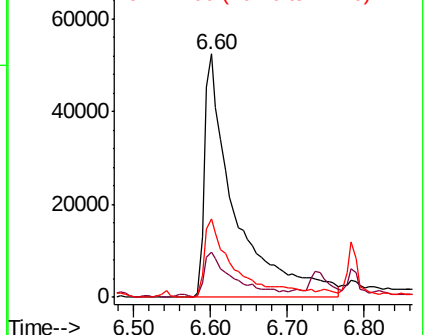
99 100

42 18.7 14.5 21.7

71 32.2 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BF107665.D

Acq: 25 Jul 2018 18:56

Tgt Ion: 136 Resp: 700278

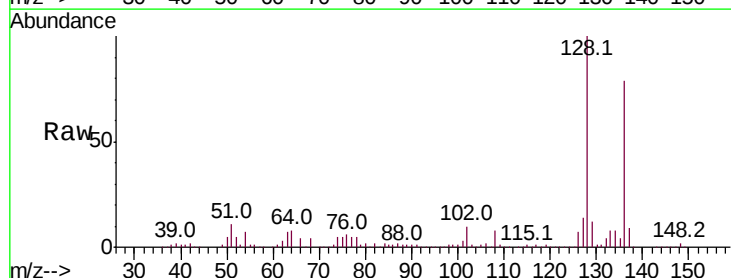
Ion Ratio Lower Upper

136 100

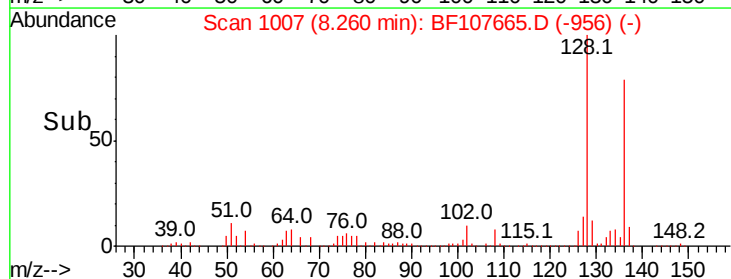
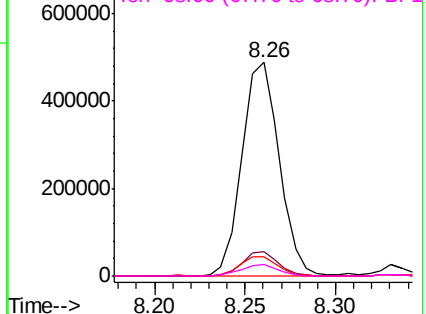
137 11.1 8.9 13.3

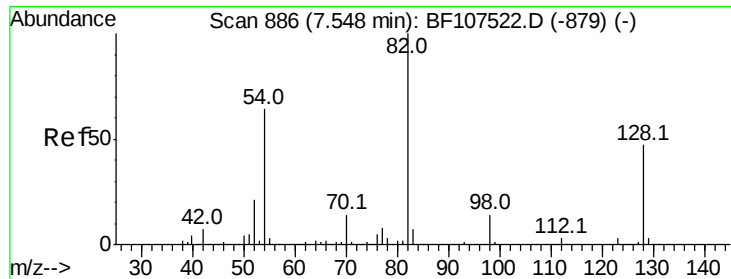
54 8.8 6.6 9.8

68 5.2 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

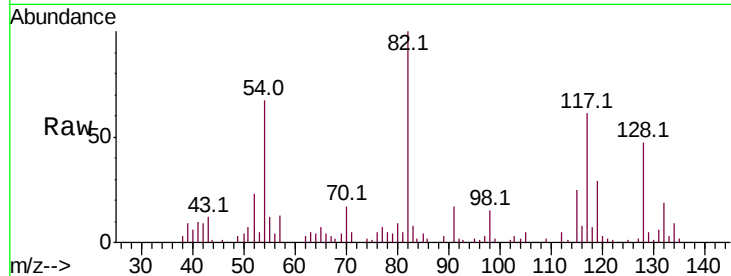




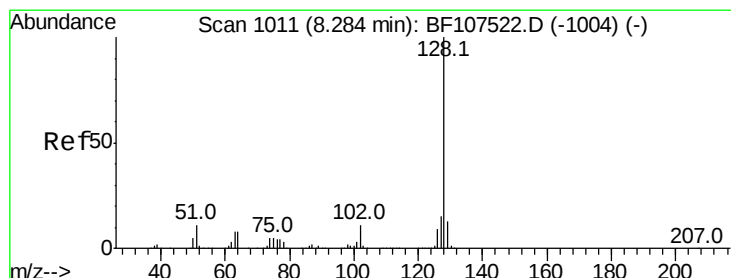
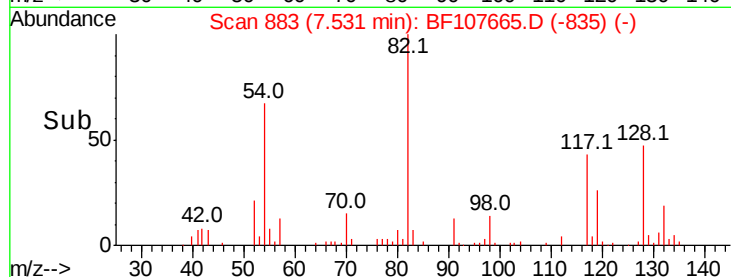
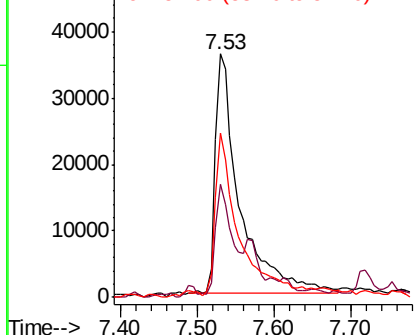
#23
Nitrobenzene-d5
Concen: 7.626 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 79126
Ion Ratio Lower Upper
82 100
128 46.6 36.1 54.1
54 67.3 41.4 62.2#

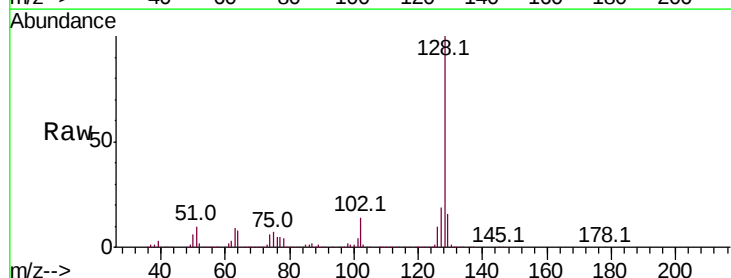


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

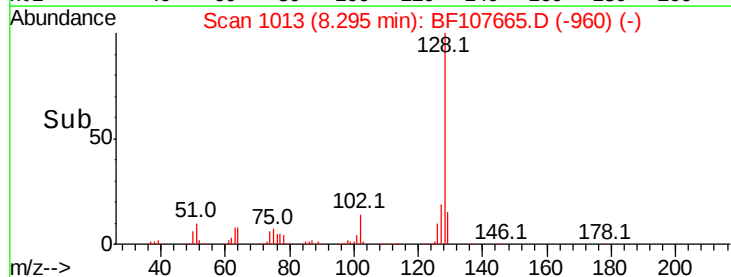
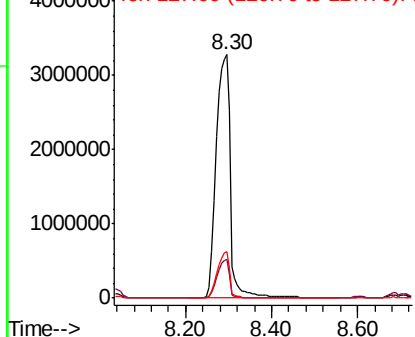


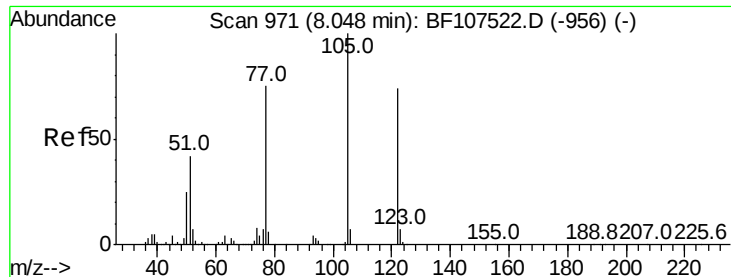
#31
Naphthalene
Concen: 242.655 ng
RT: 8.30 min Scan# 1013
Delta R.T. 0.01 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion:128 Resp: 7472357
Ion Ratio Lower Upper
128 100
129 15.8 8.8 13.2#
127 18.9 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: 8.022 ng

RT: 8.02 min Scan# 967

Delta R.T. -0.02 min

Lab File: BF107665.D

Acq: 25 Jul 2018 18:56

Instrument :

BNA_F

ClientSampleId :

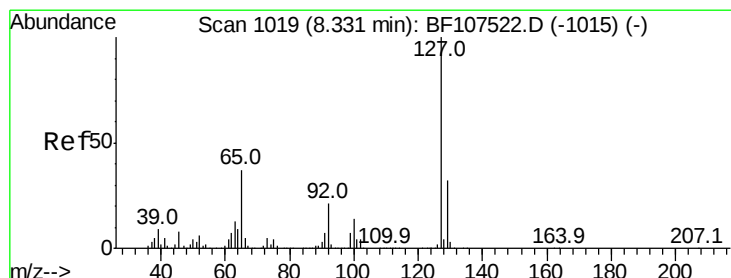
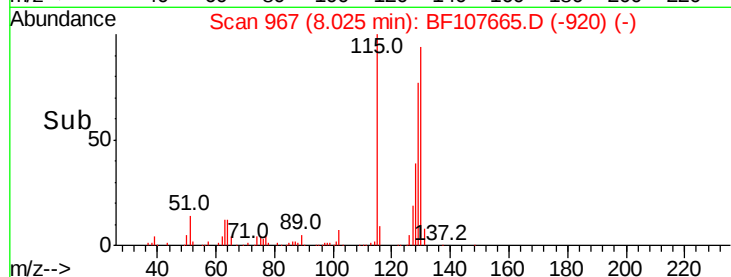
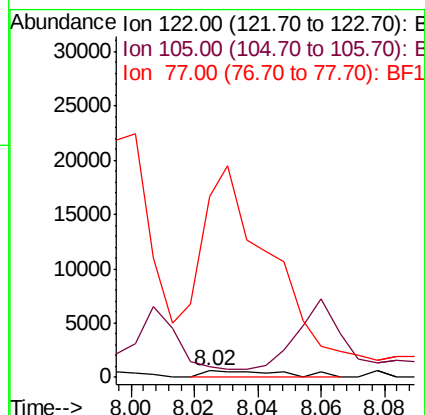
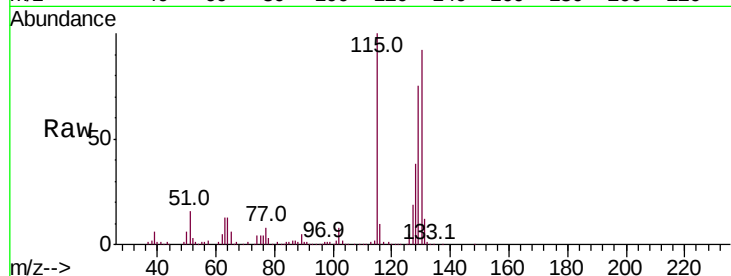
Tot Ion:122 Resp: 972

Ion Ratio Lower Upper

122 100

105 163.9 101.1 141.1#

77 2832.7 70.7 110.7#



#33

4-Chloroaniline

Concen: 90.613 ng

RT: 8.30 min Scan# 1013

Delta R.T. -0.04 min

Lab File: BF107665.D

Acq: 25 Jul 2018 18:56

Tgt Ion:127 Resp: 1219612

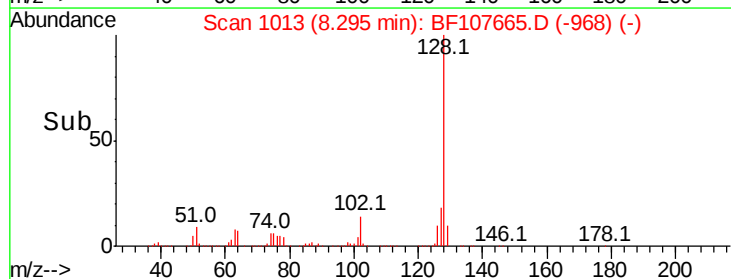
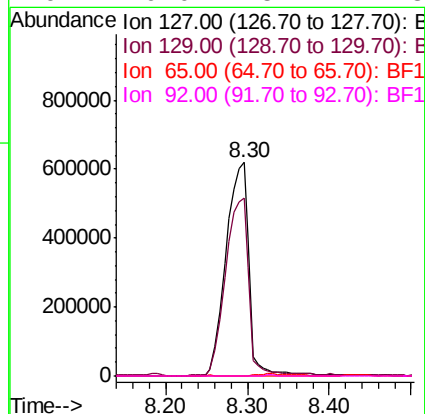
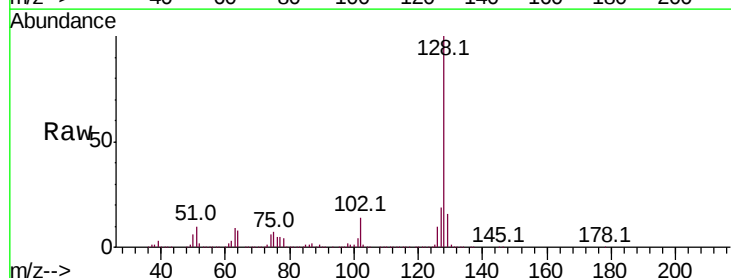
Ion Ratio Lower Upper

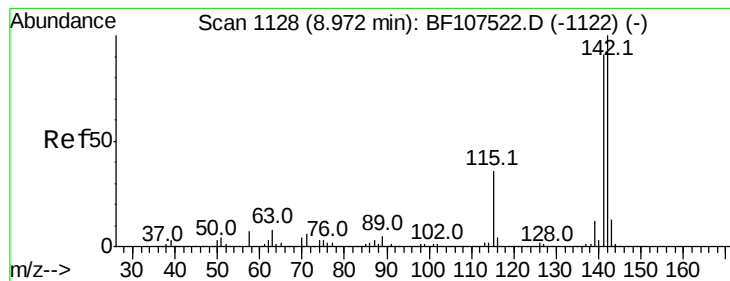
127 100

129 83.4 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

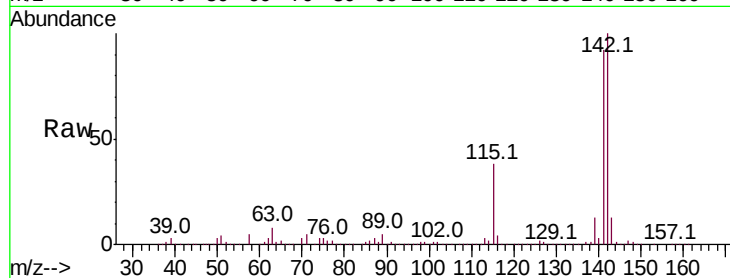




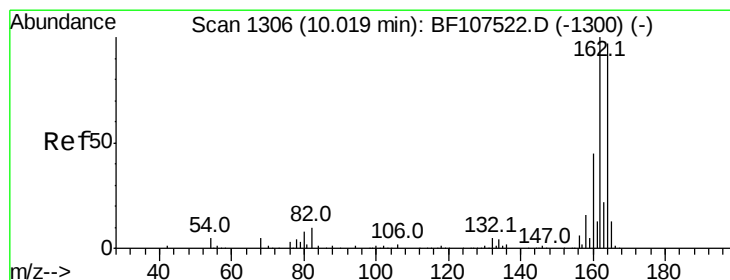
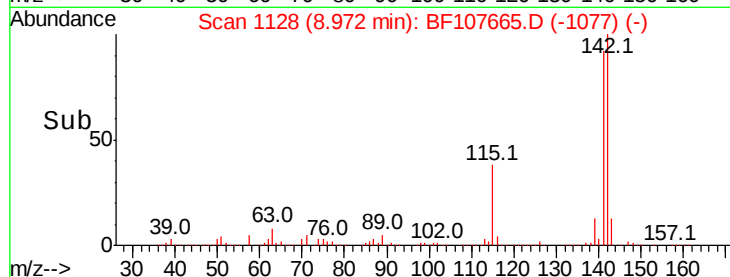
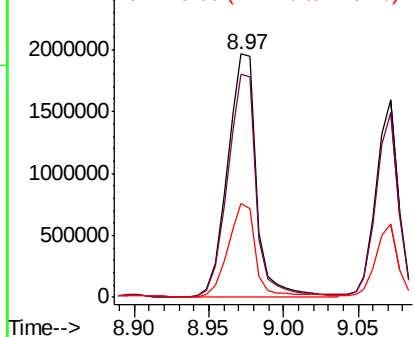
#37
2-Methylnaphthalene
Concen: 126.341 ng
RT: 8.97 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 2696001
Ion Ratio Lower Upper
142 100
141 91.7 70.8 106.2
115 38.3 26.1 39.1

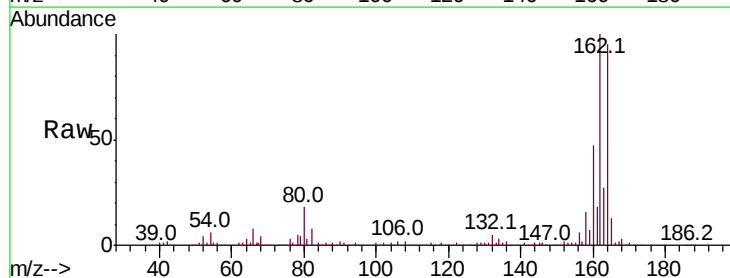


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

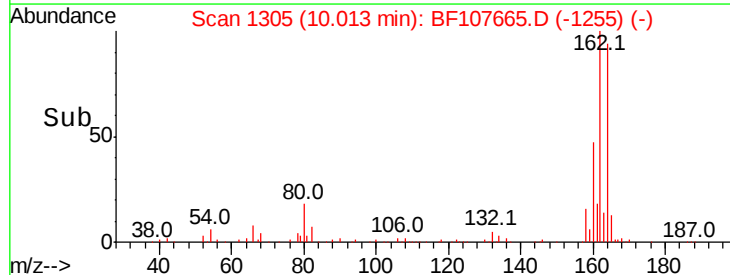
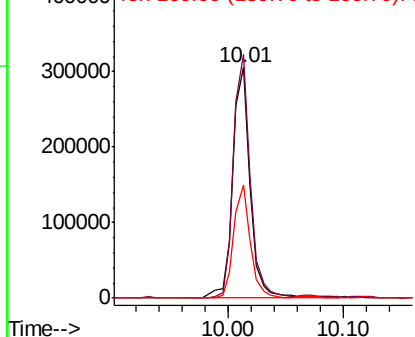


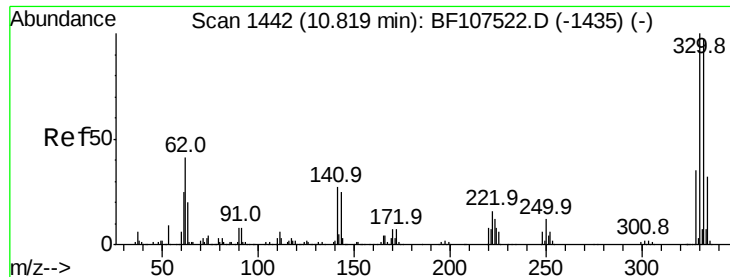
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion:164 Resp: 320310
Ion Ratio Lower Upper
164 100
162 105.5 86.1 129.1
160 49.3 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: 8.882 ng

RT: 10.81 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF107665.D

Acq: 25 Jul 2018 18:56

Instrument :

BNA_F

ClientSampleId :

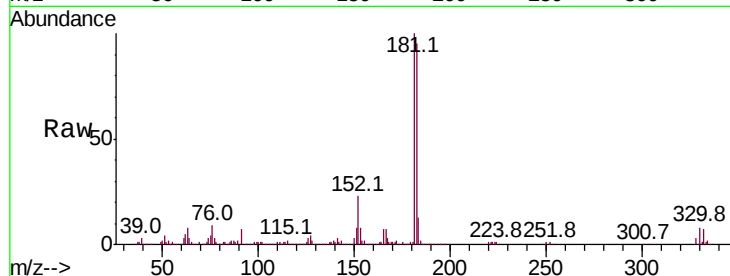
Tot Ion:330 Resp: 32351

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

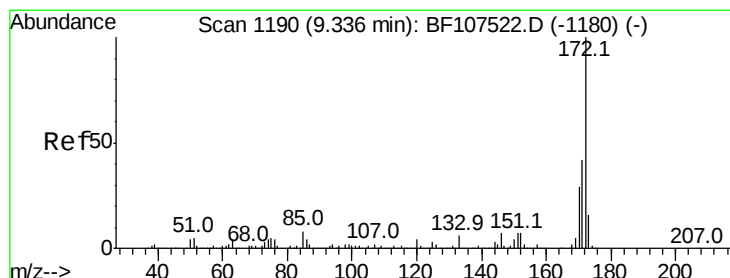
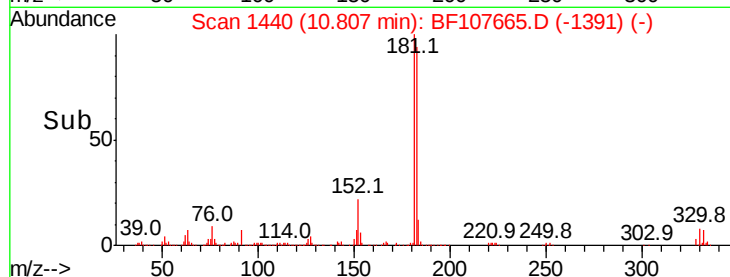
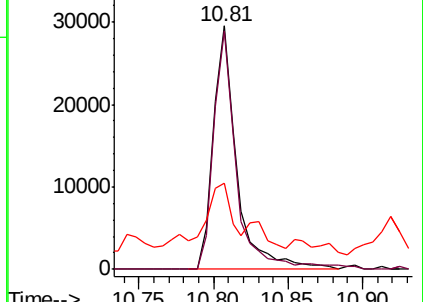
141 29.2 29.9 44.9#



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 3.353 ng

RT: 9.32 min Scan# 1187

Delta R.T. -0.02 min

Lab File: BF107665.D

Acq: 25 Jul 2018 18:56

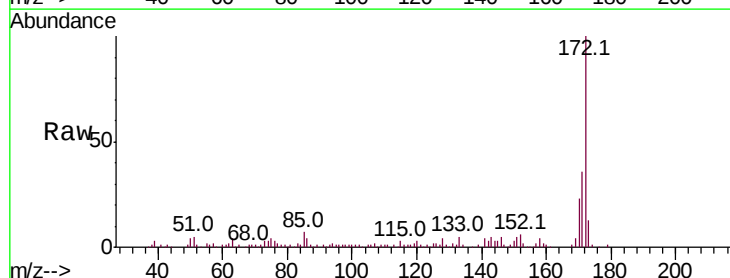
Tgt Ion:172 Resp: 171380

Ion Ratio Lower Upper

172 100

171 35.7 29.7 44.5

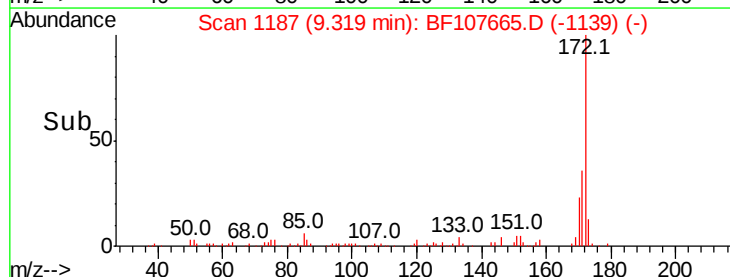
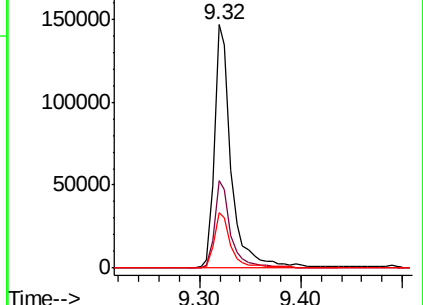
170 22.7 19.6 29.4

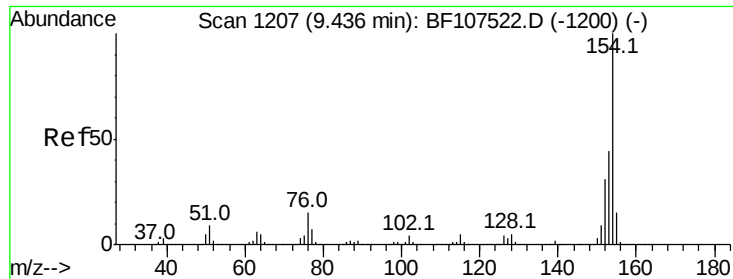


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 28.785 ng

RT: 9.42 min Scan# 1205

Delta R.T. -0.01 min

Lab File: BF107665.D

Acq: 25 Jul 2018 18:56

Instrument :

BNA_F

ClientSampled :

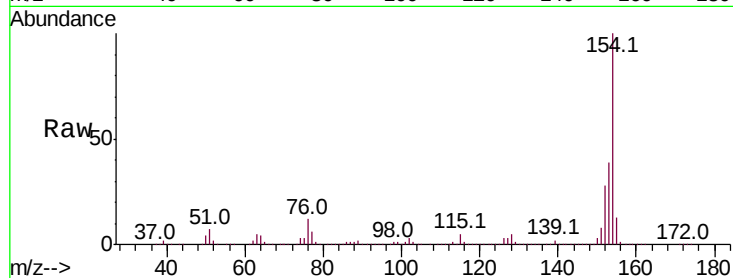
Tot Ion:154 Resp: 803184

Ion Ratio Lower Upper

154 100

153 39.2 21.3 61.3

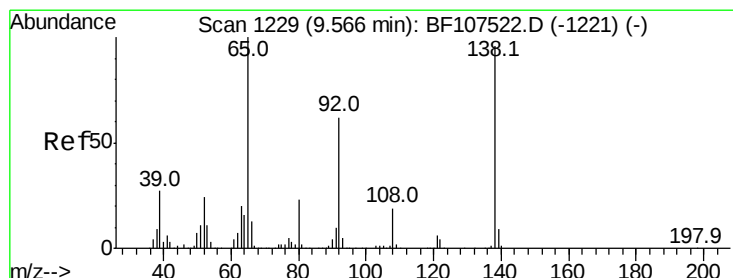
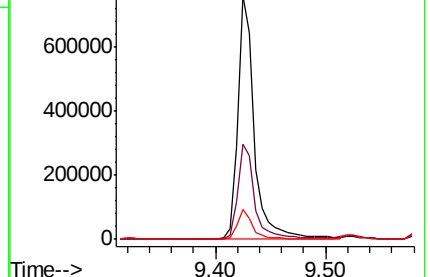
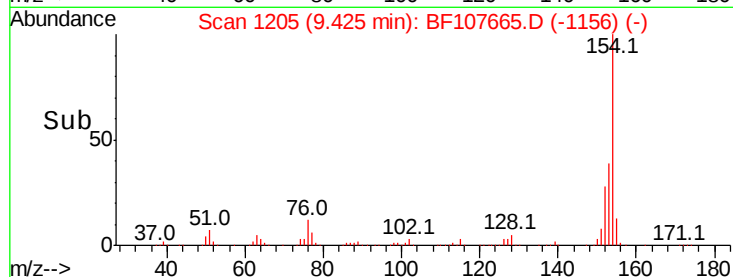
76 12.1 0.0 34.0



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



#47

2-Nitroaniline

Concen: 2.210 ng

RT: 9.60 min Scan# 1234

Delta R.T. 0.03 min

Lab File: BF107665.D

Acq: 25 Jul 2018 18:56

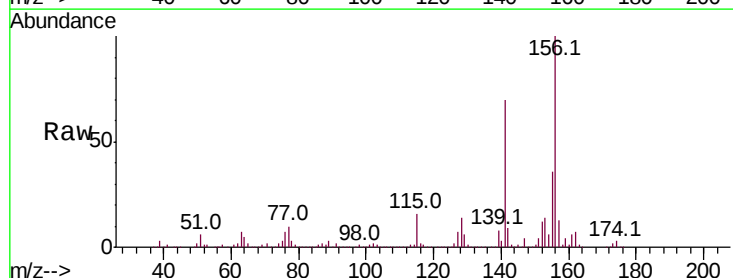
Tgt Ion: 65 Resp: 13743

Ion Ratio Lower Upper

65 100

92 7.1 55.8 83.6#

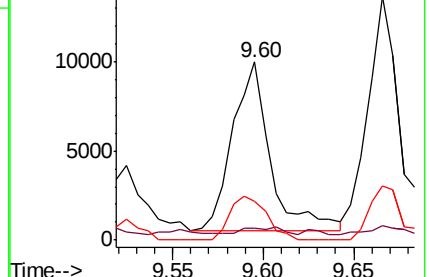
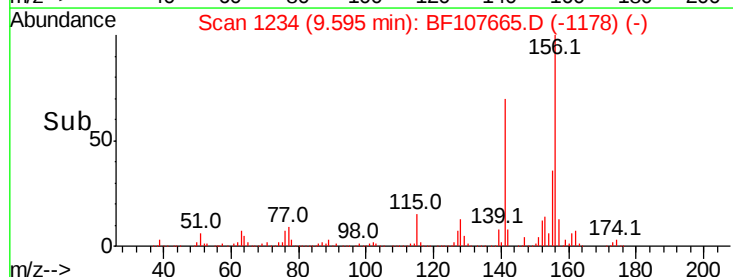
138 21.8 91.2 136.8#

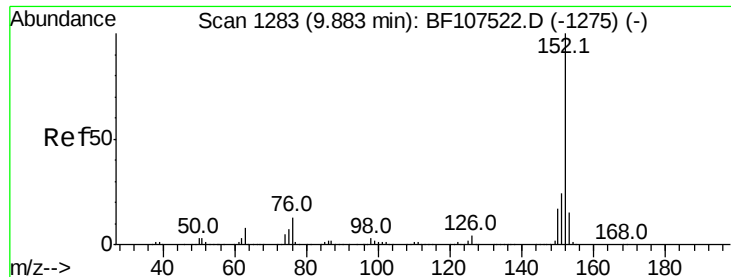


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 36.018 ng

RT: 9.87 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF107665.D

Acq: 25 Jul 2018 18:56

Instrument :

BNA_F

ClientSampleId :

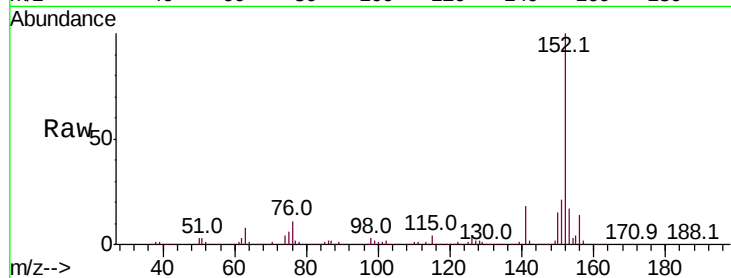
Tot Ion:152 Resp: 1153991

Ion Ratio Lower Upper

152 100

151 21.4 16.3 24.5

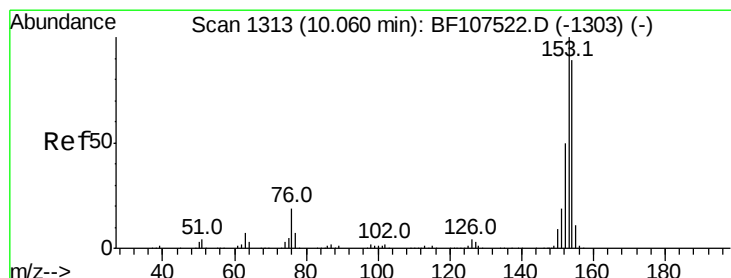
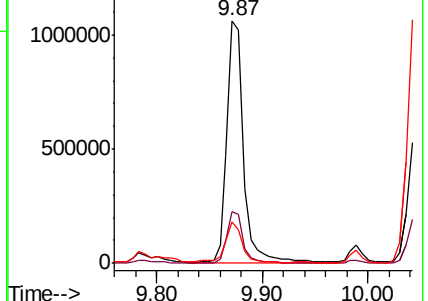
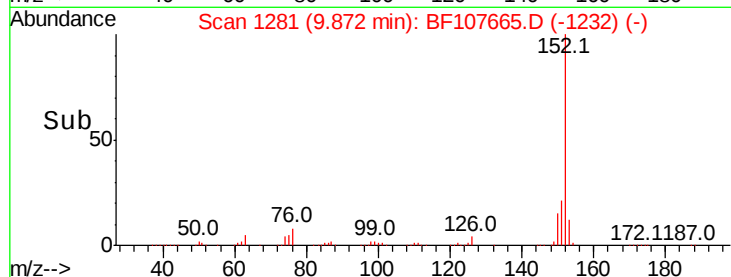
153 16.8 10.7 16.1#



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



#51

Acenaphthene

Concen: 84.740 ng

RT: 10.05 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF107665.D

Acq: 25 Jul 2018 18:56

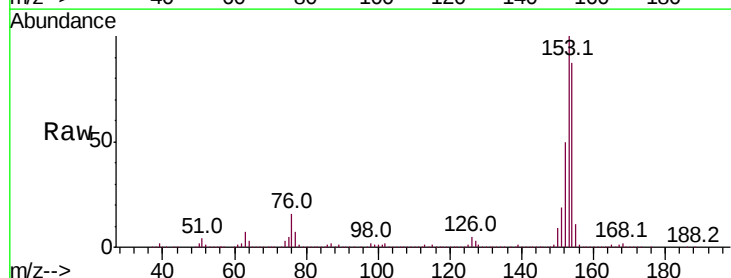
Tgt Ion:154 Resp: 1701080

Ion Ratio Lower Upper

154 100

153 114.5 91.2 136.8

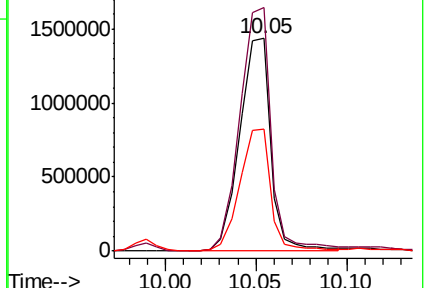
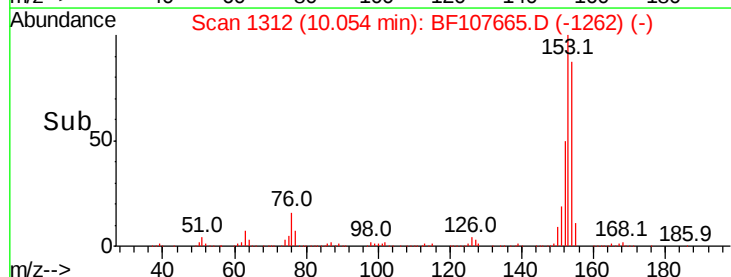
152 57.2 43.8 65.8

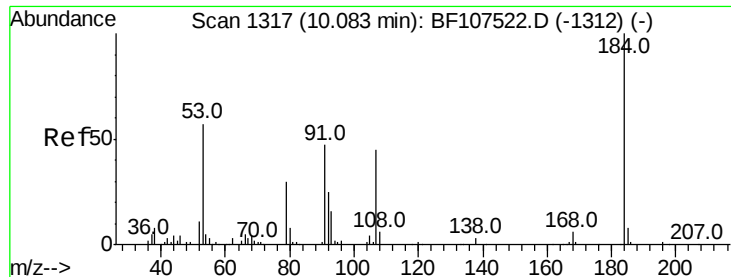


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

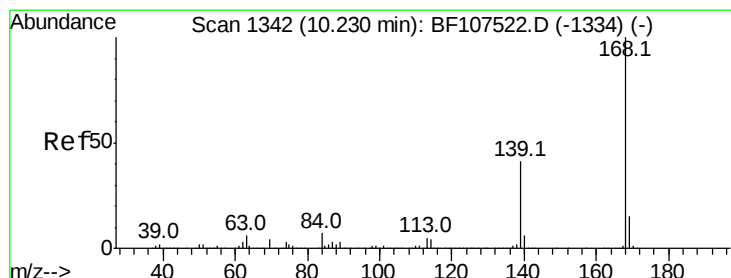
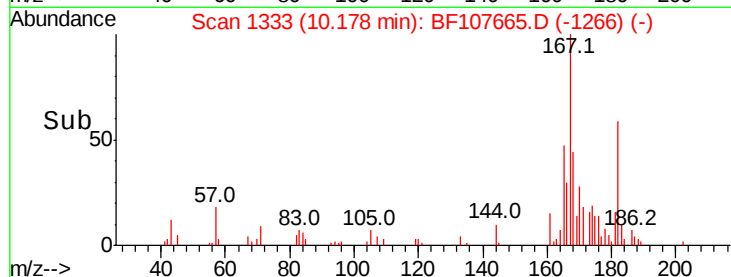
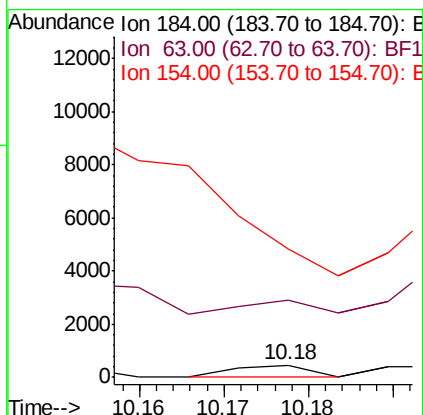
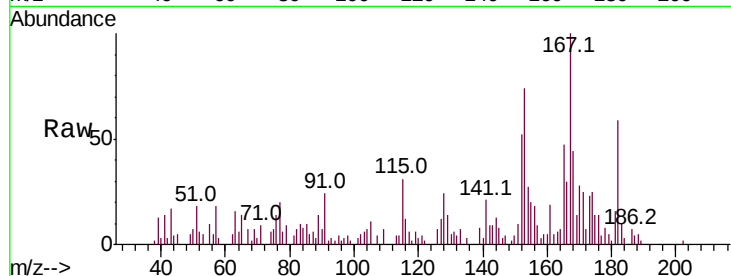




#53
 2,4-Dinitrophenol
 Concen: 8.453 ng
 RT: 10.18 min Scan# 1333
 Delta R.T. 0.09 min
 Lab File: BF107665.D
 Acq: 25 Jul 2018 18:56

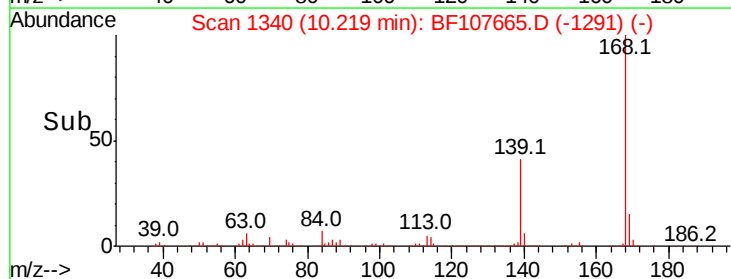
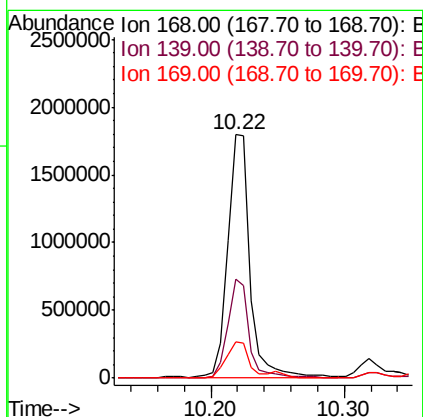
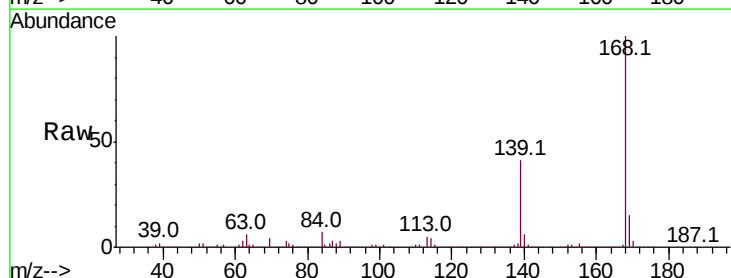
Instrument :
 BNA_F
 ClientSampled :

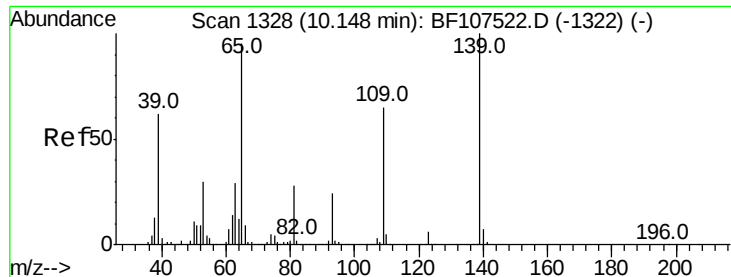
Tot Ion:184 Resp: 282
 Ion Ratio Lower Upper
 184 100
 63 639.5 54.2 81.2#
 154 1067.0 184.0 276.0#



#54
 Dibenzofuran
 Concen: 70.450 ng
 RT: 10.22 min Scan# 1340
 Delta R.T. -0.01 min
 Lab File: BF107665.D
 Acq: 25 Jul 2018 18:56

Tgt Ion:168 Resp: 2082034
 Ion Ratio Lower Upper
 168 100
 139 40.6 30.1 45.1
 169 15.0 10.9 16.3

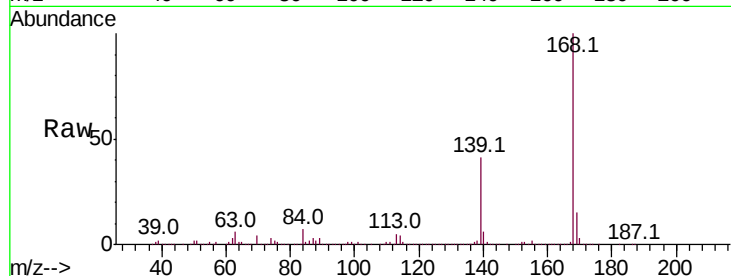




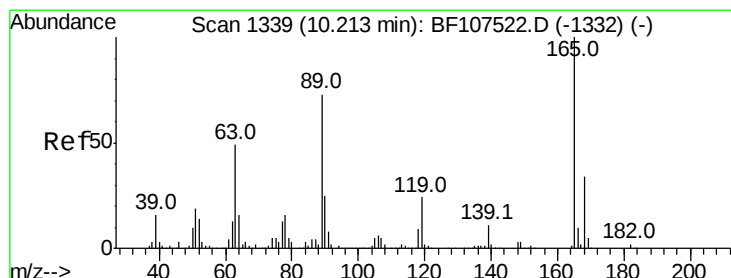
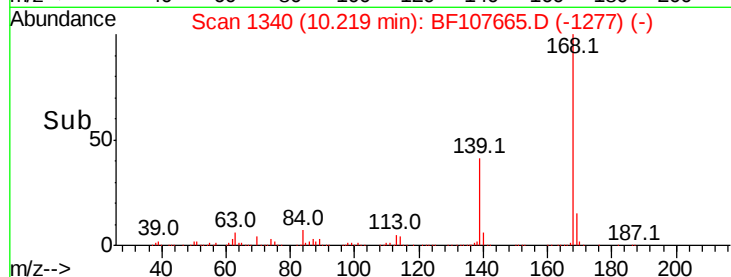
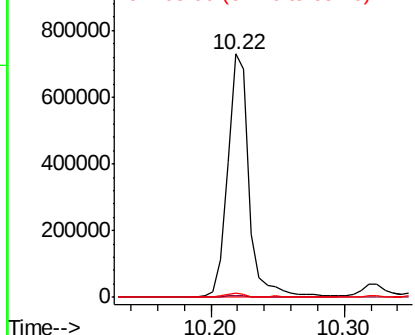
#55
4-Nitrophenol
Concen: 187.701 ng
RT: 10.22 min Scan# 1340
Delta R.T. 0.07 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 819421
Ion Ratio Lower Upper
139 100
109 0.8 48.4 88.4#
65 1.6 72.6 112.6#



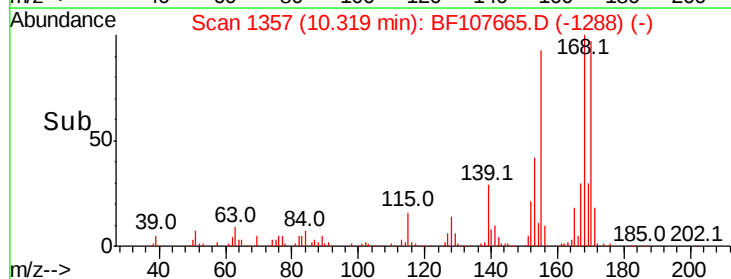
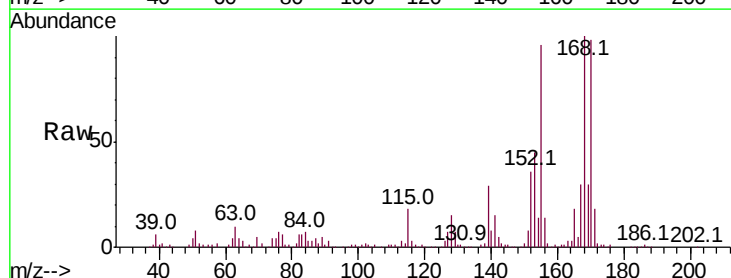
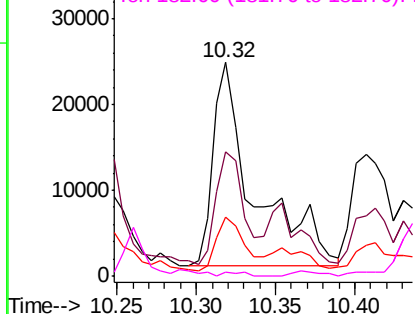
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

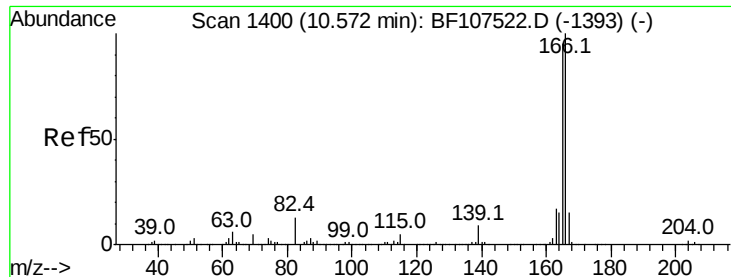


#56
2,4-Dinitrotoluene
Concen: 7.474 ng
RT: 10.32 min Scan# 1357
Delta R.T. 0.11 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion:165 Resp: 43238
Ion Ratio Lower Upper
165 100
63 58.3 36.4 54.6#
89 27.4 57.8 86.6#
182 2.0 1.6 2.4

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

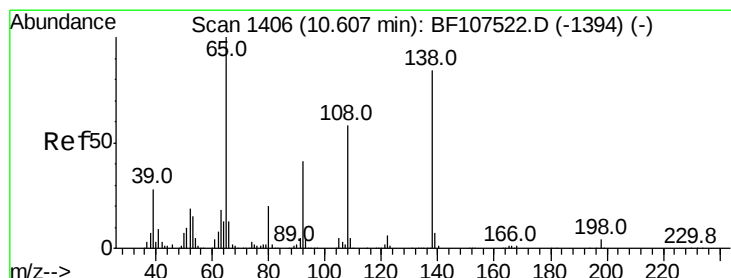
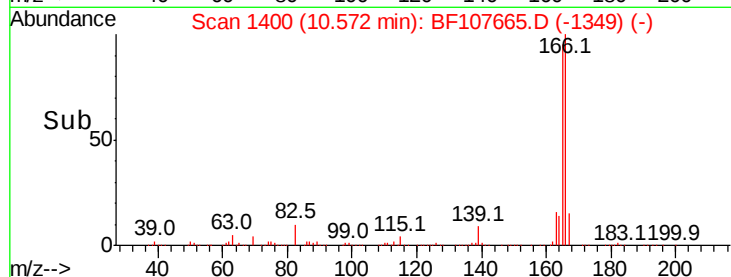
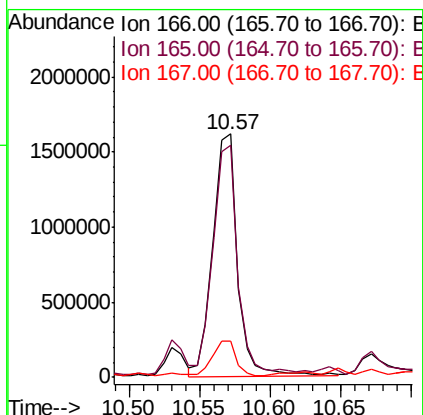
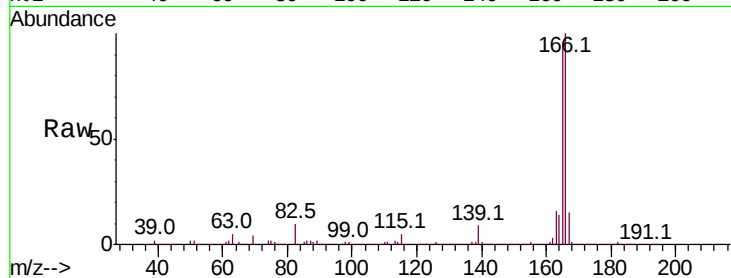




#57
 Fluorene
 Concen: 94.980 ng
 RT: 10.57 min Scan# 1400
 Delta R.T. 0.00 min
 Lab File: BF107665.D
 Acq: 25 Jul 2018 18:56

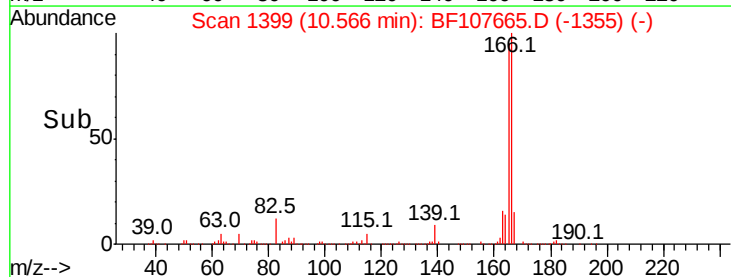
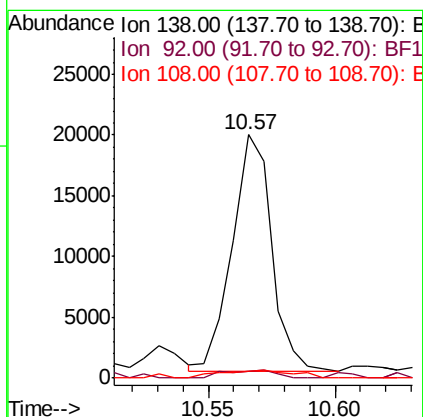
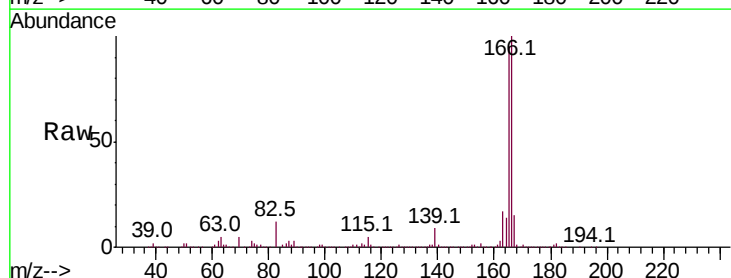
Instrument :
 BNA_F
 ClientSampleId :

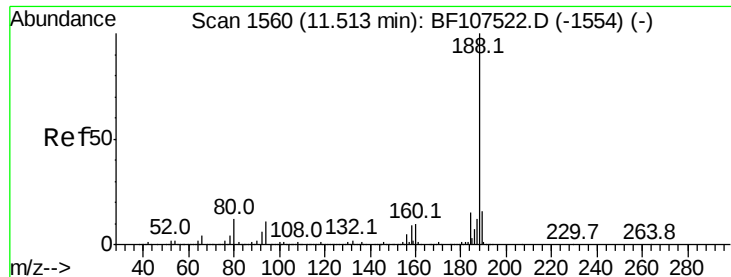
Tot Ion:166 Resp: 2002531
 Ion Ratio Lower Upper
 166 100
 165 95.5 79.8 119.8
 167 14.8 10.6 16.0



#61
 4-Nitroaniline
 Concen: 4.287 ng
 RT: 10.57 min Scan# 1399
 Delta R.T. -0.04 min
 Lab File: BF107665.D
 Acq: 25 Jul 2018 18:56

Tgt Ion:138 Resp: 21003
 Ion Ratio Lower Upper
 138 100
 92 2.9 30.2 70.2#
 108 2.9 52.5 92.5#

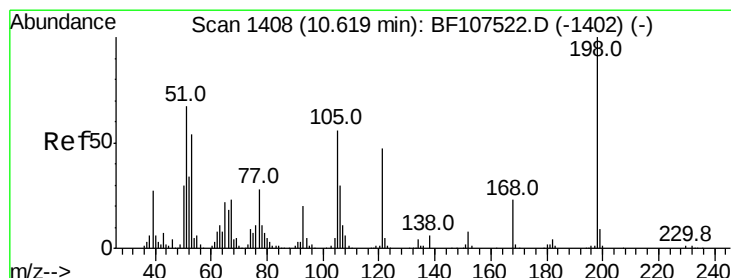
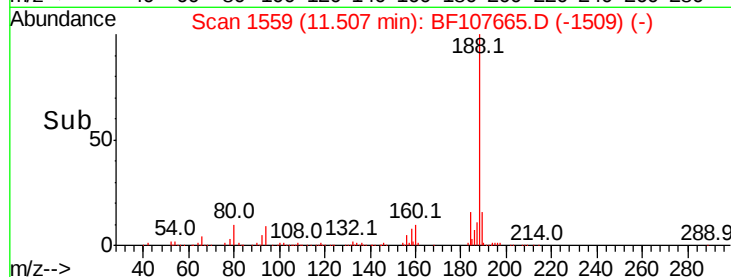
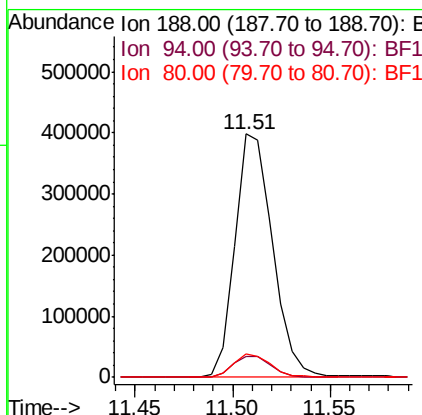
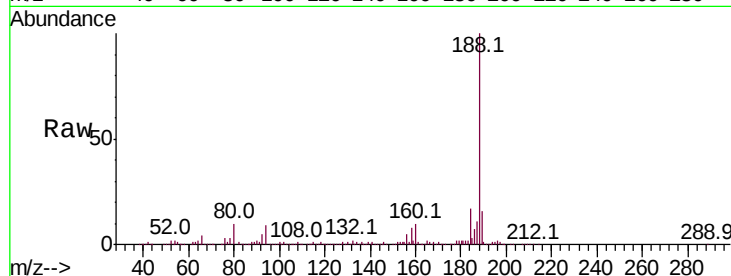




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

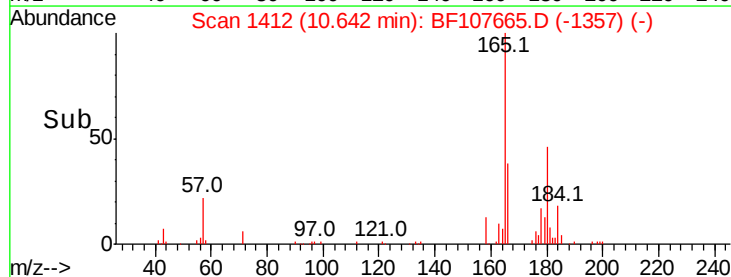
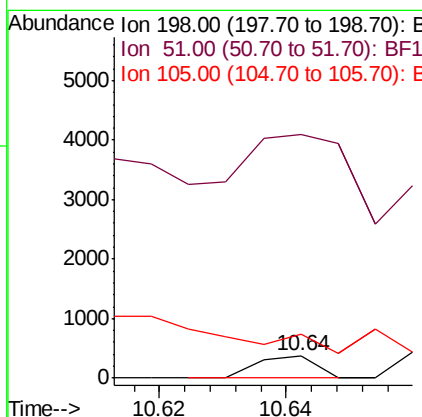
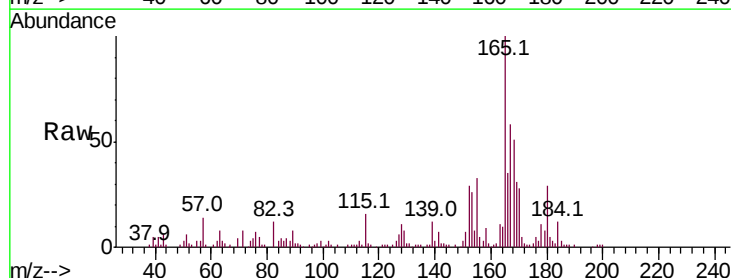
Instrument :
BNA_F
ClientSampleId :

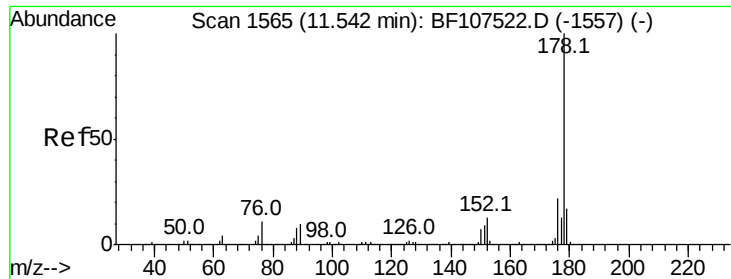
Tot Ion:188 Resp: 530479
Ion Ratio Lower Upper
188 100
94 8.6 8.5 12.7
80 9.8 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.758 ng
RT: 10.64 min Scan# 1412
Delta R.T. 0.02 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion:198 Resp: 243
Ion Ratio Lower Upper
198 100
51 1082.5 37.7 77.7#
105 196.8 36.3 76.3#





#70

Phenanthrene

Concen: 81.729 ng

RT: 11.59 min Scan# 1573

Delta R.T. 0.05 min

Lab File: BF107665.D

Acq: 25 Jul 2018 18:56

Instrument :

BNA_F

ClientSampleId :

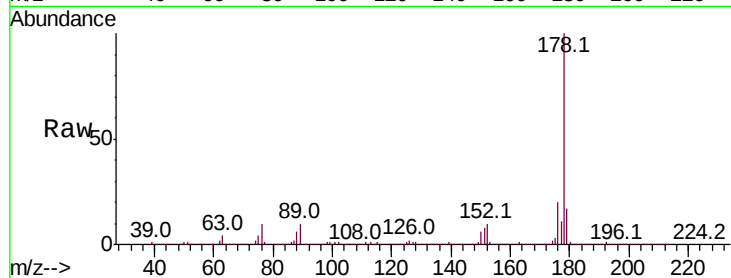
Tot Ion:178 Resp: 2112715

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

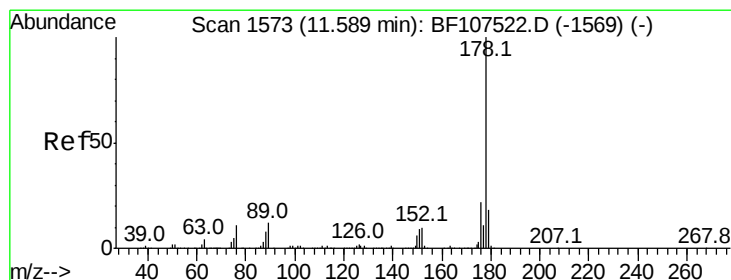
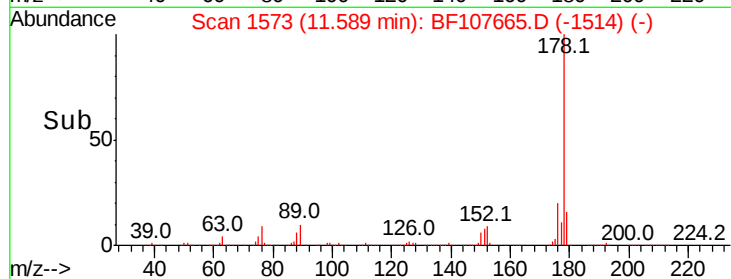
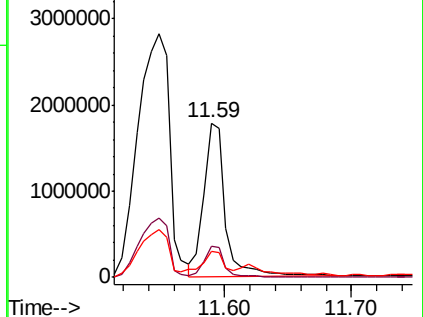
179 16.9 13.0 19.6



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: 81.172 ng

RT: 11.59 min Scan# 1573

Delta R.T. 0.00 min

Lab File: BF107665.D

Acq: 25 Jul 2018 18:56

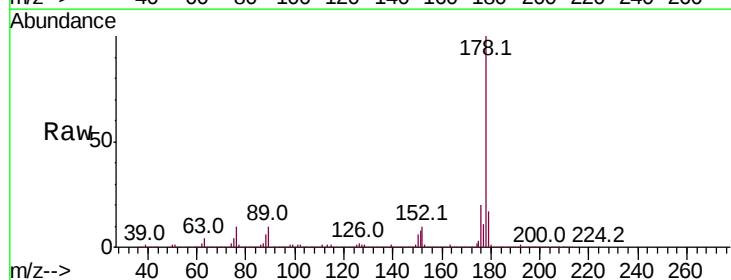
Tgt Ion:178 Resp: 2112715

Ion Ratio Lower Upper

178 100

176 20.3 15.4 23.2

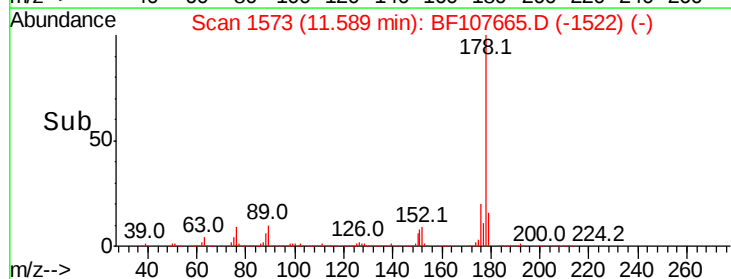
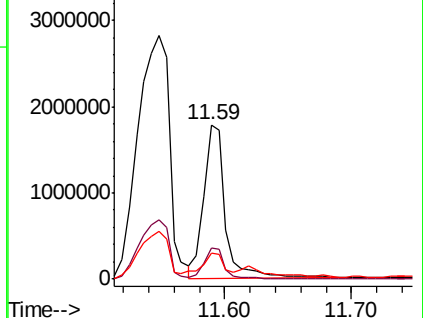
179 16.9 12.6 19.0

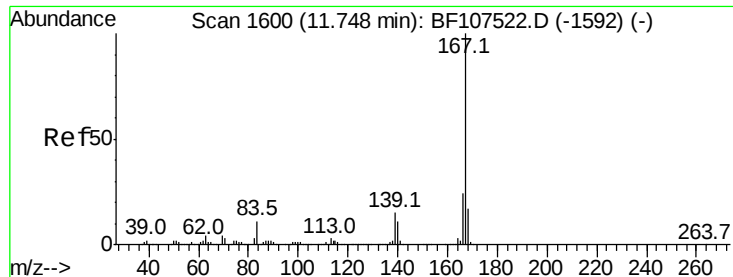


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 7.433 ng

RT: 11.74 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BF107665.D

Acq: 25 Jul 2018 18:56

Instrument :

BNA_F

ClientSampleId :

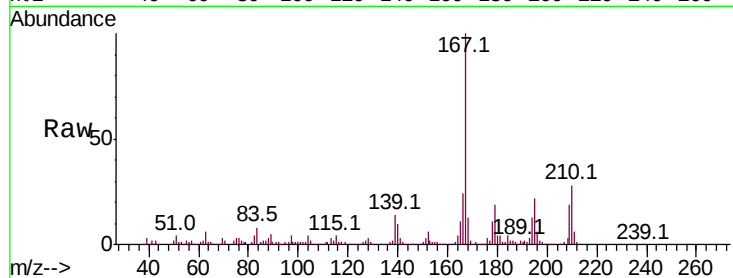
Tot Ion:167 Resp: 201179

Ion Ratio Lower Upper

167 100

166 23.6 17.6 26.4

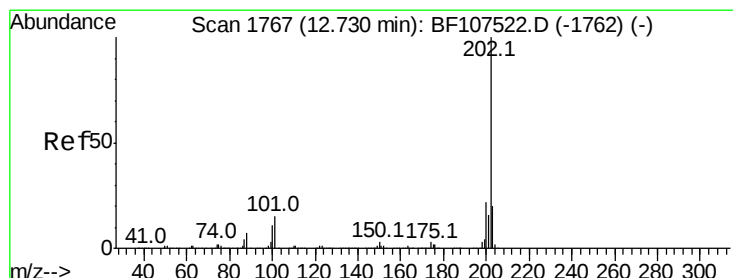
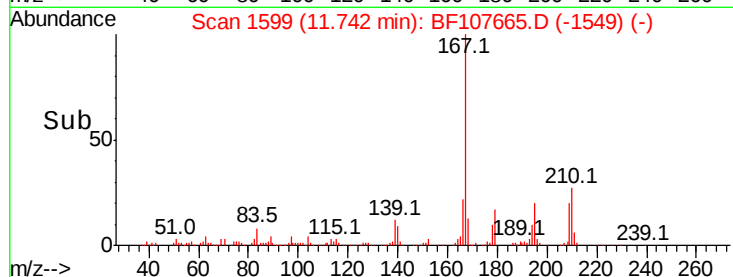
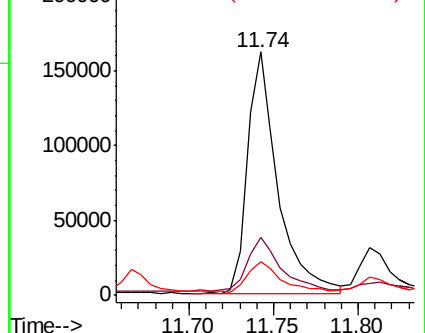
139 13.9 10.9 16.3



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: 136.350 ng

RT: 12.74 min Scan# 1769

Delta R.T. 0.01 min

Lab File: BF107665.D

Acq: 25 Jul 2018 18:56

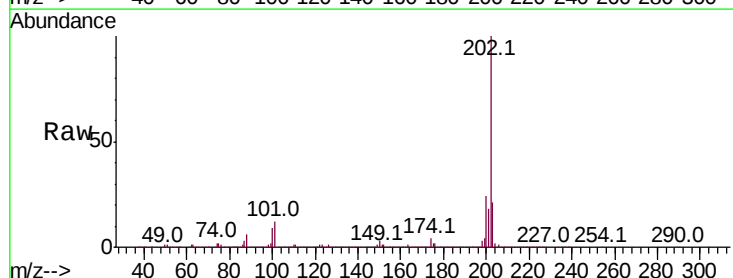
Tgt Ion:202 Resp: 3782275

Ion Ratio Lower Upper

202 100

101 12.2 0.0 34.1

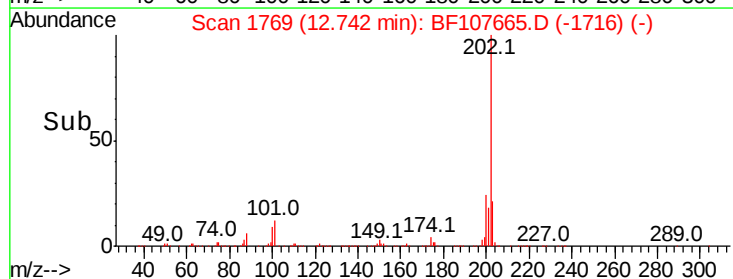
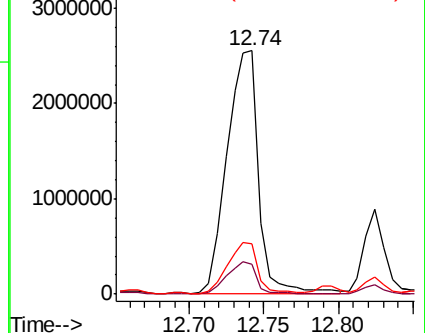
203 20.8 0.0 38.1

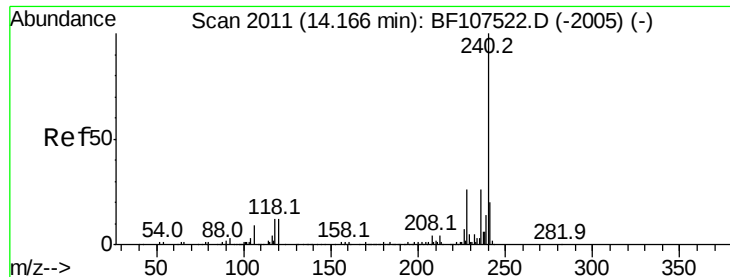


Abundance Ion 202.00 (201.70 to 202.70): E

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. 0.00 min

Lab File: BF107665.D

Acq: 25 Jul 2018 18:56

Instrument :

BNA_F

ClientSampled :

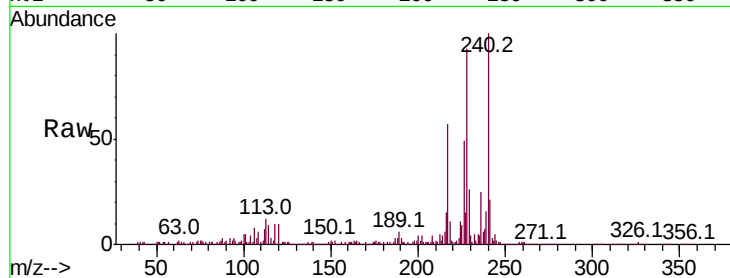
Tot Ion:240 Resp: 375086

Ion Ratio Lower Upper

240 100

120 10.2 9.5 14.3

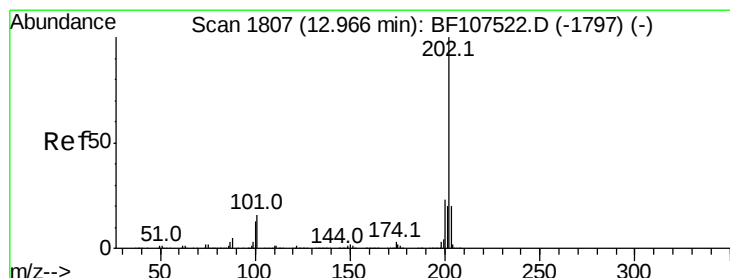
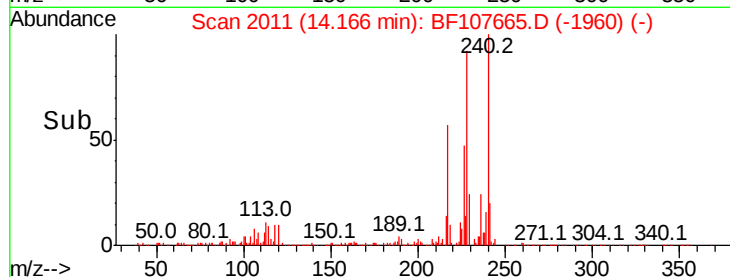
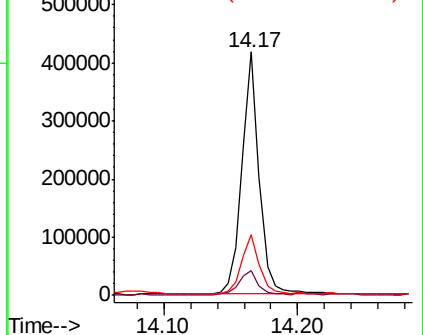
236 25.0 20.7 31.1



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: 33.080 ng

RT: 12.82 min Scan# 1783

Delta R.T. -0.14 min

Lab File: BF107665.D

Acq: 25 Jul 2018 18:56

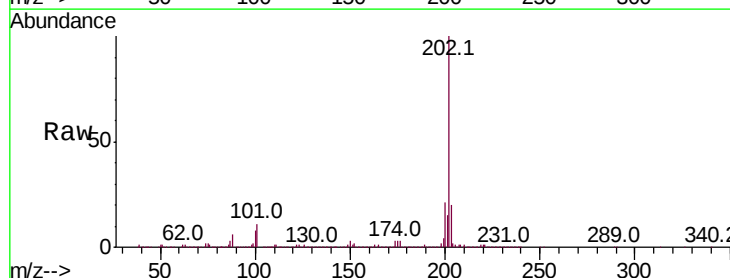
Tgt Ion:202 Resp: 848699

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

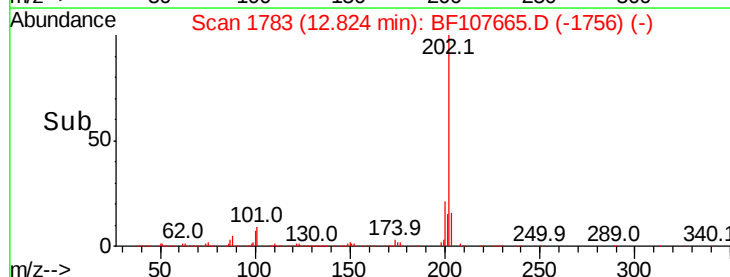
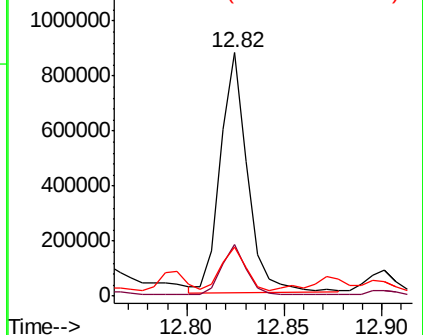
203 20.1 14.3 21.5

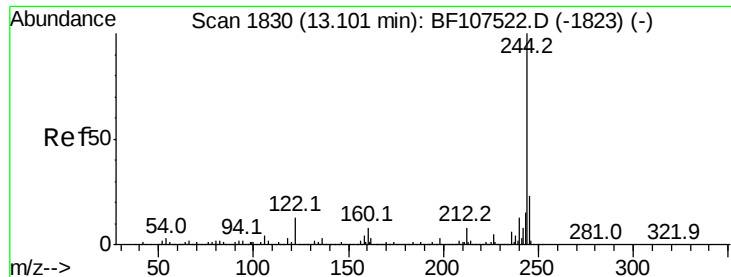


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 9.823 ng

RT: 13.09 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF107665.D

Acq: 25 Jul 2018 18:56

Instrument :

BNA_F

ClientSampled :

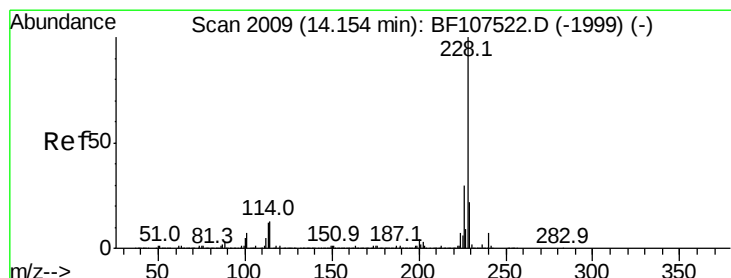
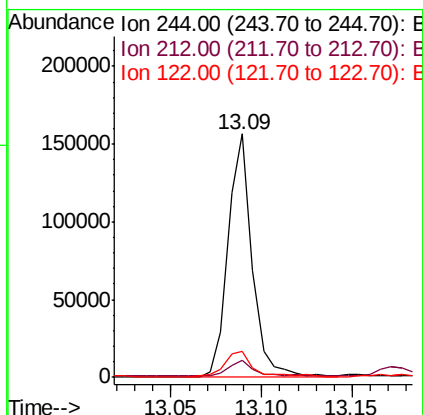
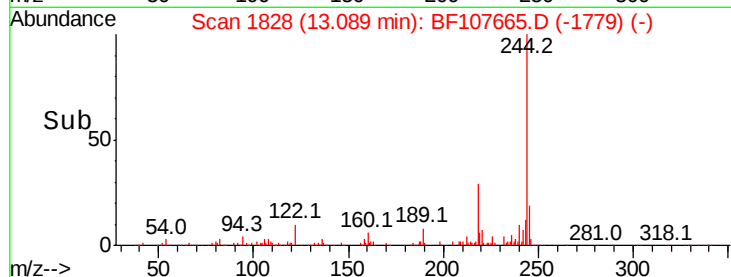
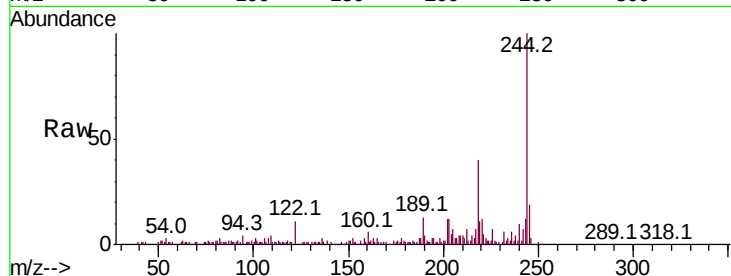
Tot Ion:244 Resp: 143923

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

122 10.8 11.0 16.4#



#80

Benzo(a)anthracene

Concen: 80.460 ng

RT: 14.15 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BF107665.D

Acq: 25 Jul 2018 18:56

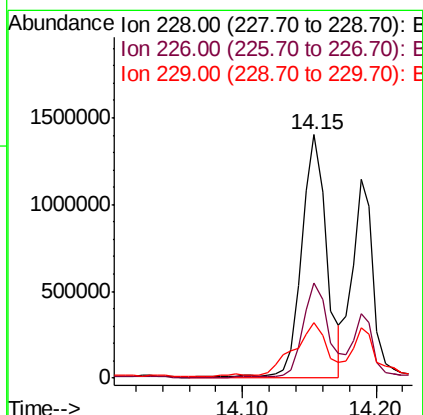
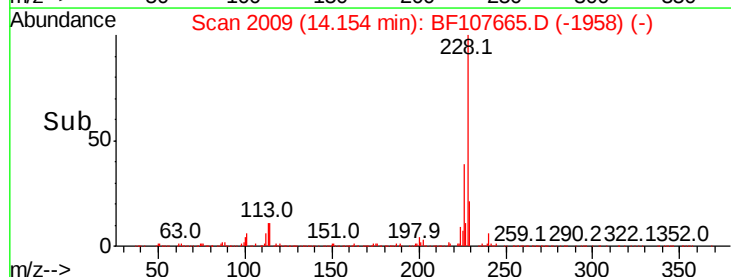
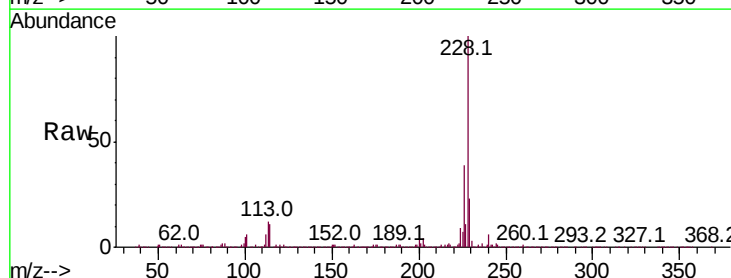
Tgt Ion:228 Resp: 1768575

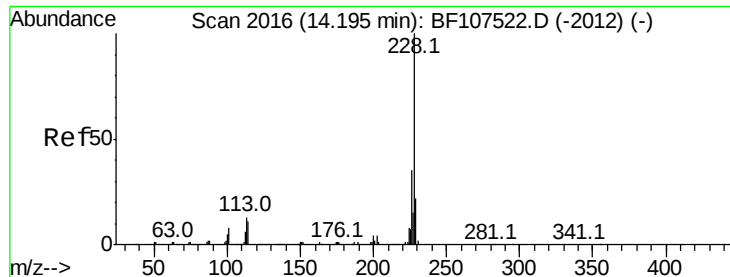
Ion Ratio Lower Upper

228 100

226 39.3 22.6 33.8#

229 22.9 15.8 23.6





#82

Chrysene

Concen: 59.782 ng

RT: 14.19 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF107665.D

Acq: 25 Jul 2018 18:56

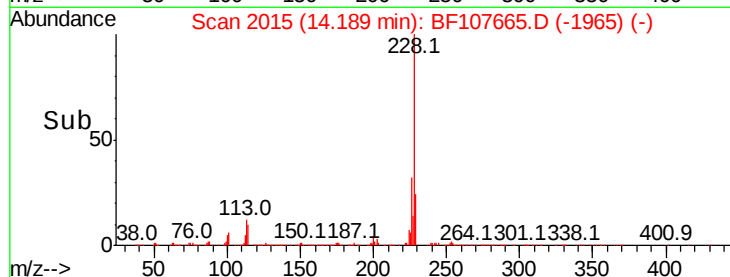
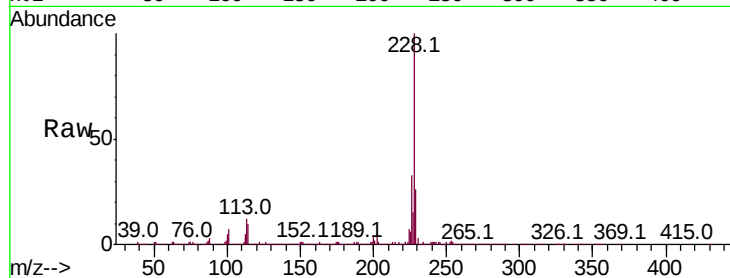
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 1262276

Ion	Ratio	Lower	Upper
228	100		
226	32.5	25.0	37.6
229	25.5	16.2	24.4

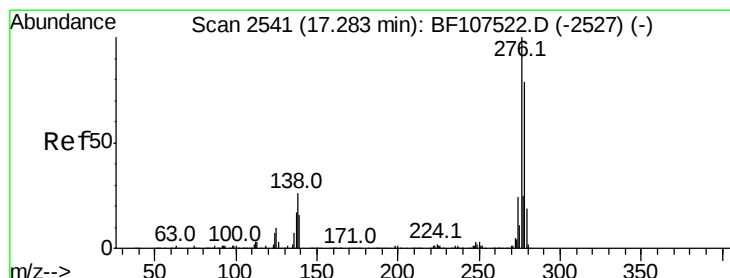
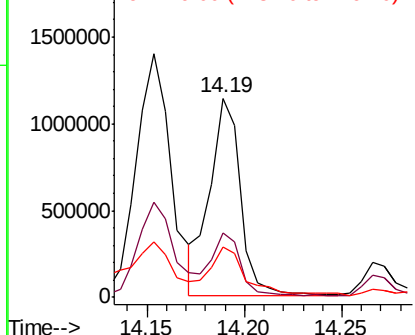


Abundance

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: 5.349 ng

RT: 17.11 min Scan# 2511

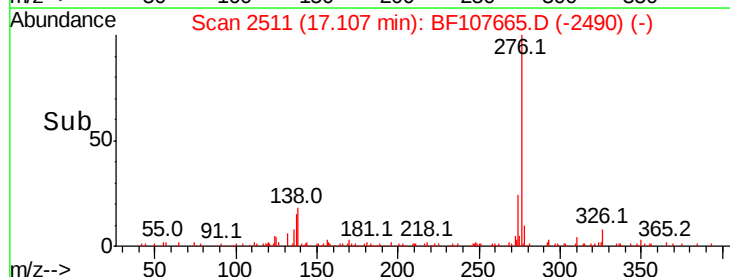
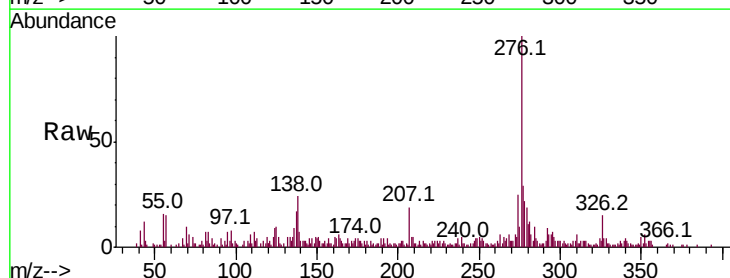
Delta R.T. -0.18 min

Lab File: BF107665.D

Acq: 25 Jul 2018 18:56

Tgt Ion:276 Resp: 95729

Ion	Ratio	Lower	Upper
276	100		
138	27.2	25.0	37.6
277	28.1	20.1	30.1

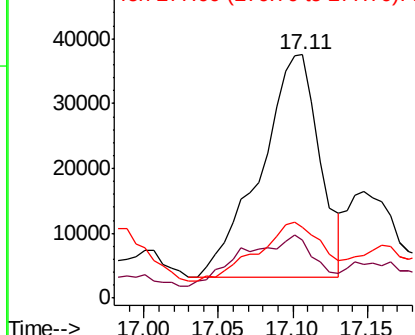


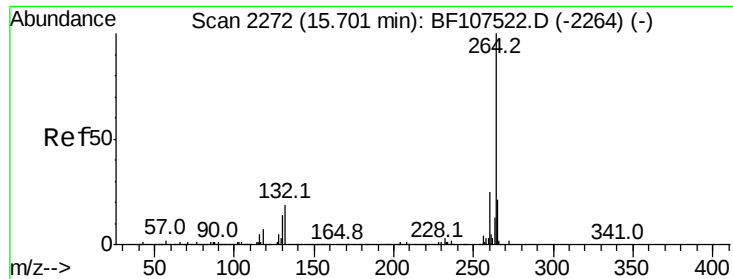
Abundance

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

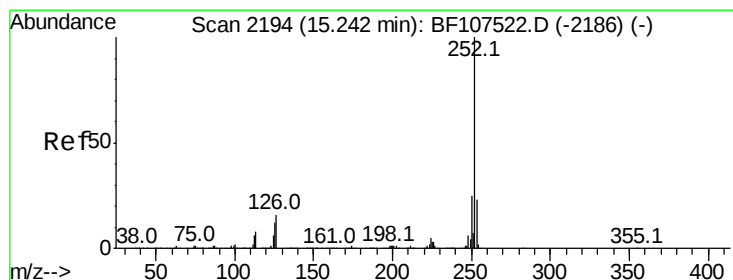
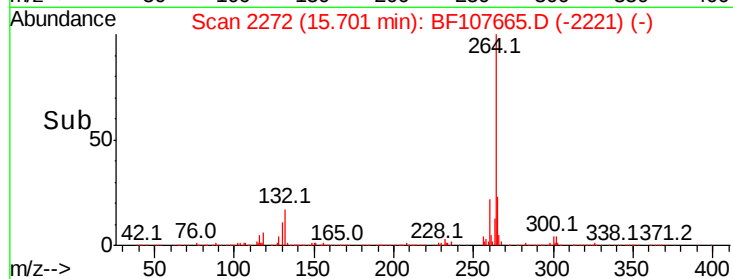
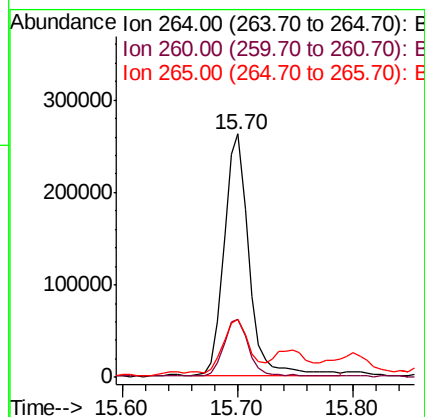
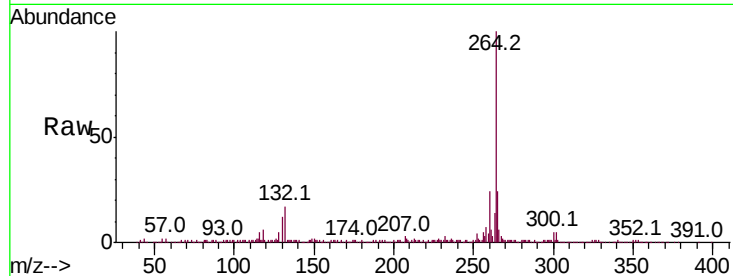




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. 0.00 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

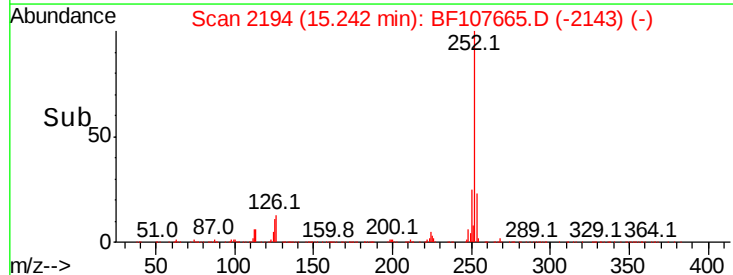
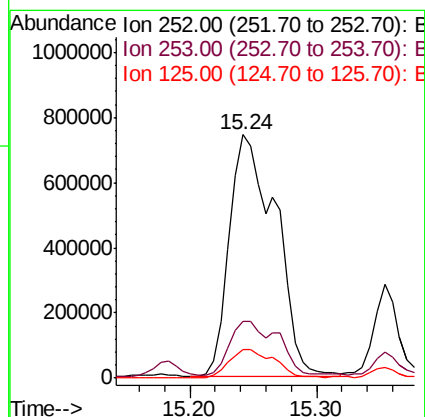
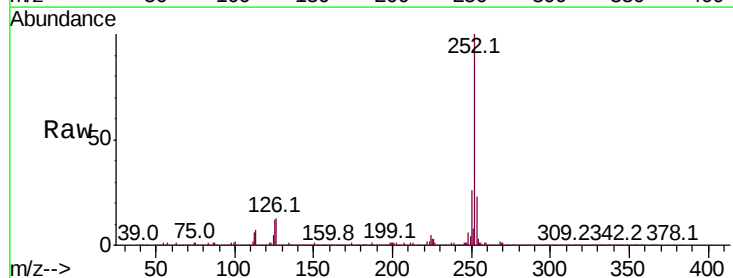
Instrument :
BNA_F
ClientSampleId :

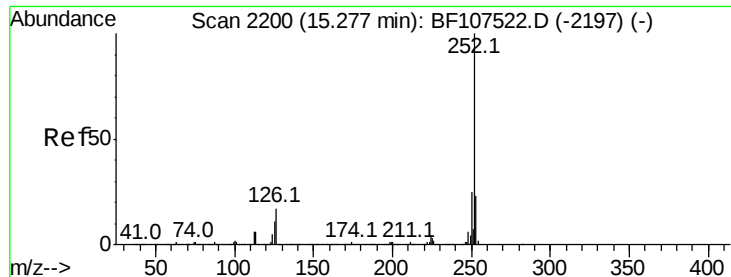
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	23.8	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 89.057 ng
RT: 15.24 min Scan# 2194
Delta R.T. 0.00 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	11.5	9.0	13.6

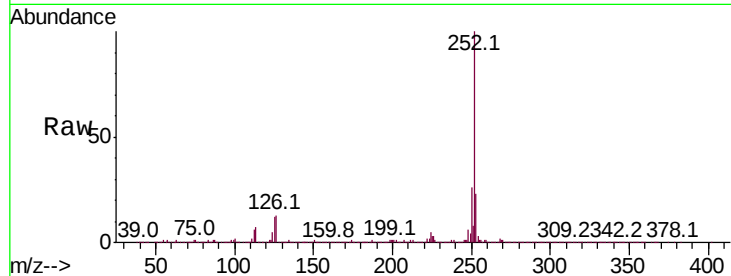




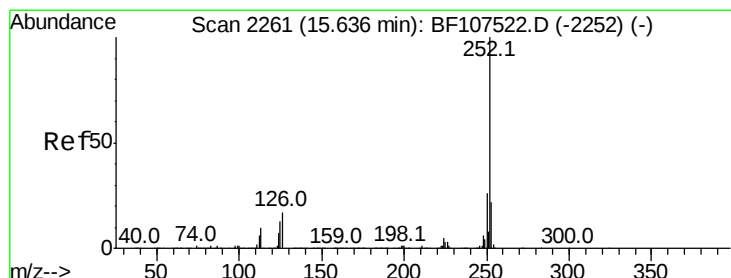
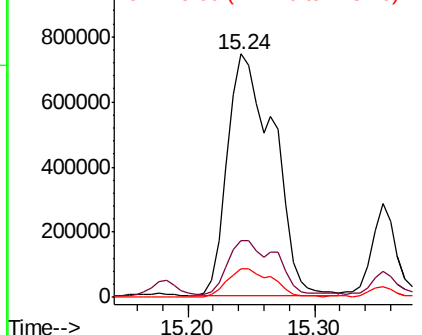
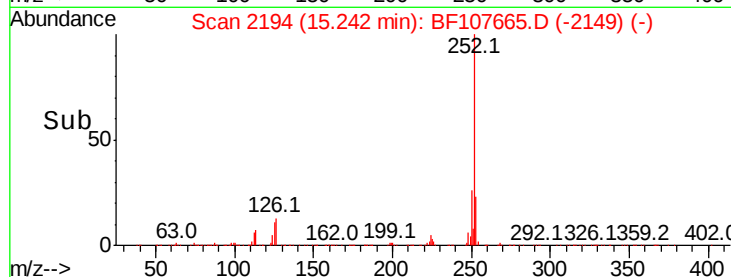
#88
Benzo(k)fluoranthene
Concen: 90.900 ng
RT: 15.24 min Scan# 2194
Delta R.T. -0.04 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 1881869
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 11.5 10.2 15.2

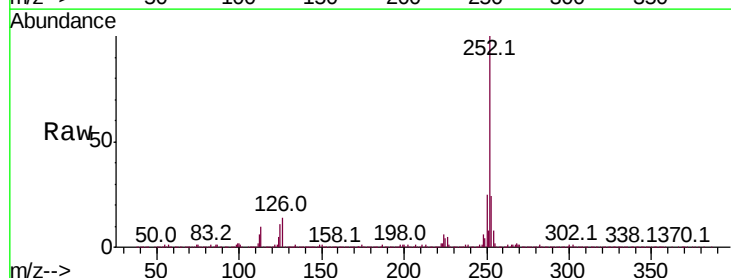


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

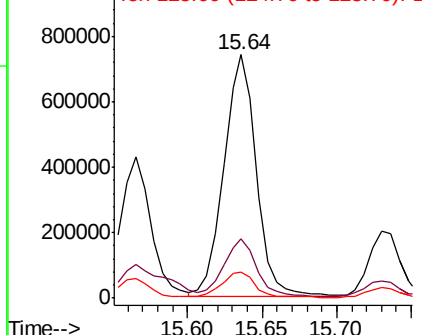
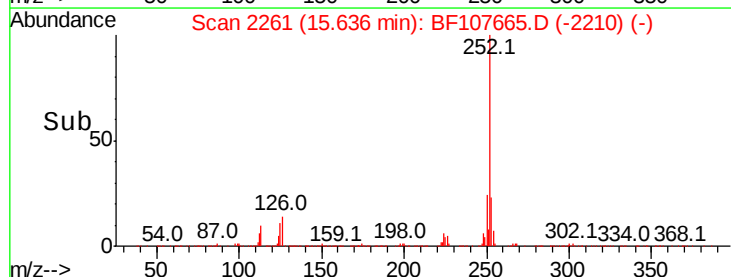


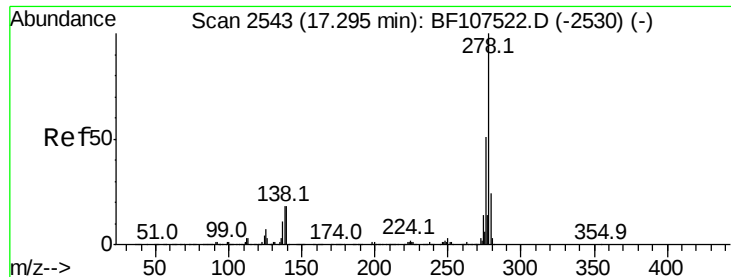
#89
Benzo(a)pyrene
Concen: 57.685 ng
RT: 15.64 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion:252 Resp: 1115004
Ion Ratio Lower Upper
252 100
253 24.2 17.1 25.7
125 10.9 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 8.545 ng

RT: 17.47 min Scan# 2572

Delta R.T. 0.17 min

Lab File: BF107665.D

Acq: 25 Jul 2018 18:56

Instrument :

BNA_F

ClientSampled :

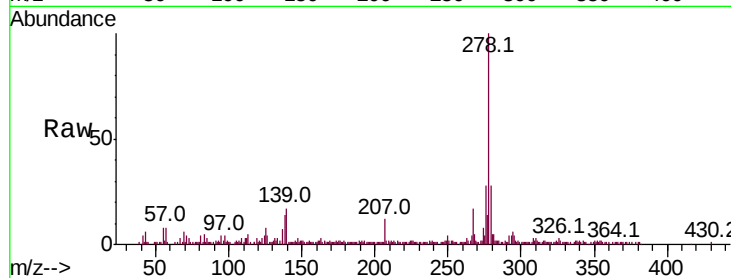
Tot Ion:278 Resp: 142777

Ion Ratio Lower Upper

278 100

139 16.9 15.9 23.9

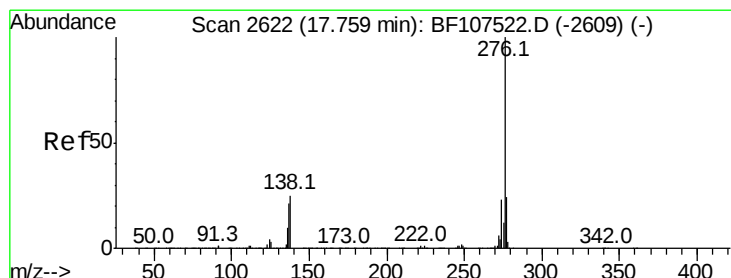
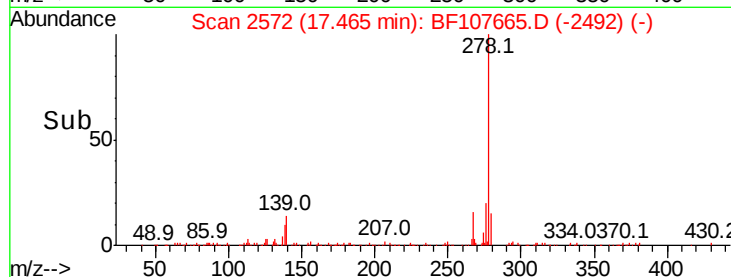
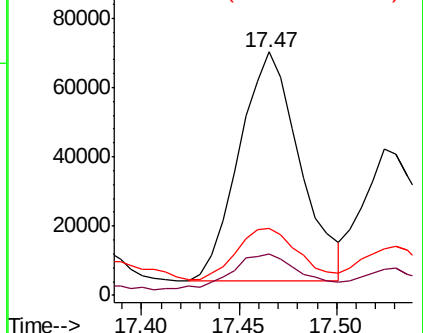
279 27.7 19.0 28.4



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: 26.840 ng

RT: 17.76 min Scan# 2622

Delta R.T. 0.00 min

Lab File: BF107665.D

Acq: 25 Jul 2018 18:56

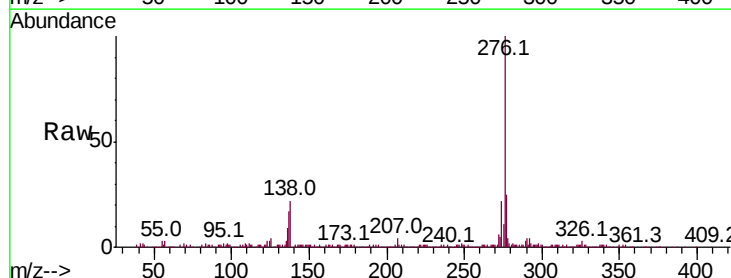
Tgt Ion:276 Resp: 442364

Ion Ratio Lower Upper

276 100

277 24.9 17.9 26.9

138 21.6 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

