

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
 Data File : BF107492.D
 Acq On : 19 Jul 2018 4:03
 Operator : JU/SJ
 Sample : J3586-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 19 05:24:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 18 11:55:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	85817	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	289041	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	131480	20.00	ng	0.04
63) Phenanthrene-d10	11.55	188	9116	20.00	ng	0.02
75) Chrysene-d12	14.22	240	7210	20.00	ng	0.04
86) Perylene-d12	15.78	264	2419	20.00	ng	0.06

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	377879	66.87	ng	-0.02
7) Phenol-d6	6.60	99	460817	63.08	ng	-0.01
23) Nitrobenzene-d5	7.54	82	324245	59.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	44493	38.52	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	463708	54.98	ng	0.00
78) Terphenyl-d14	13.19	244	200638	691.40	ng	0.08

Target Compounds

						Qvalue
9) Benzaldehyde	6.75	77	15365	2.614	ng	93
15) Benzyl Alcohol	7.14	79	14917	2.033	ng	# 30
18) Hexachloroethane	7.51	117	12319	4.814	ng	# 1
19) n-Nitroso-di-n-propylamine	7.41	70	11759	2.248	ng	# 66
22) Acetophenone	7.37	105	18704	2.355	ng	# 63
25) Isophorone	7.79	82	27287	2.540	ng	# 1
31) Naphthalene	8.29	128	35326	2.516	ng	# 78
35) Caprolactam	8.71	113	6295	4.307	ng	# 1
37) 2-Methylnaphthalene	8.98	142	21721	2.347	ng	# 92
47) 2-Nitroaniline	9.60	65	6485	2.360	ng	# 43
51) Acenaphthene	10.08	154	38136	4.591	ng	# 87
53) 2,4-Dinitrophenol	10.15	184	1177	4.664	ng	# 1
55) 4-Nitrophenol	10.18	139	8322	4.912	ng	# 1
56) 2,4-Dinitrotoluene	10.25	165	6739	2.594	ng	# 73
61) 4-Nitroaniline	10.68	138	19688	9.880	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.66	198	691	19.427	ng	# 1
65) n-Nitrosodiphenylamine	10.67	169	22159	76.964	ng	# 84
66) 4-Bromophenyl-phenylether	11.08	248	2550	24.450	ng	# 1
68) Atrazine	11.26	200	4619	42.454	ng	# 1
69) Pentachlorophenol	11.35	266	950	13.316	ng	# 79
70) Phenanthrene	11.60	178	57774	127.171	ng	# 26
71) Anthracene	11.60	178	57774	127.679	ng	# 24
72) Carbazole	11.77	167	5153	12.029	ng	# 1
73) Di-n-butylphthalate	12.10	149	2868	5.826	ng	# 1
74) Fluoranthene	12.75	202	4317	8.361	ng	# 1
76) Benzdine	12.91	184	1971	7.044	ng	# 1
77) Pyrene	13.02	202	35277	71.951	ng	# 1
79) Butylbenzylphthalate	13.64	149	17152	96.040	ng	# 1
80) Benzo(a)anthracene	14.21	228	5018	11.375	ng	# 1
81) 3,3'-Dichlorobenzidine	14.16	252	1837	12.416	ng	# 1
82) Chrysene	14.27	228	20916	49.633	ng	# 1
83) Bis(2-ethylhexyl)phthalate	14.22	149	353473	1381.166	ng	# 75
84) Di-n-octyl phthalate	14.79	149	6523	16.396	ng	# 24
85) Indeno(1,2,3-cd)pyrene	17.34	276	1564	5.214	ng	# 1

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QLast Update : Wed Jul 18 11:55:34 2018
Response via : Initial Calibration

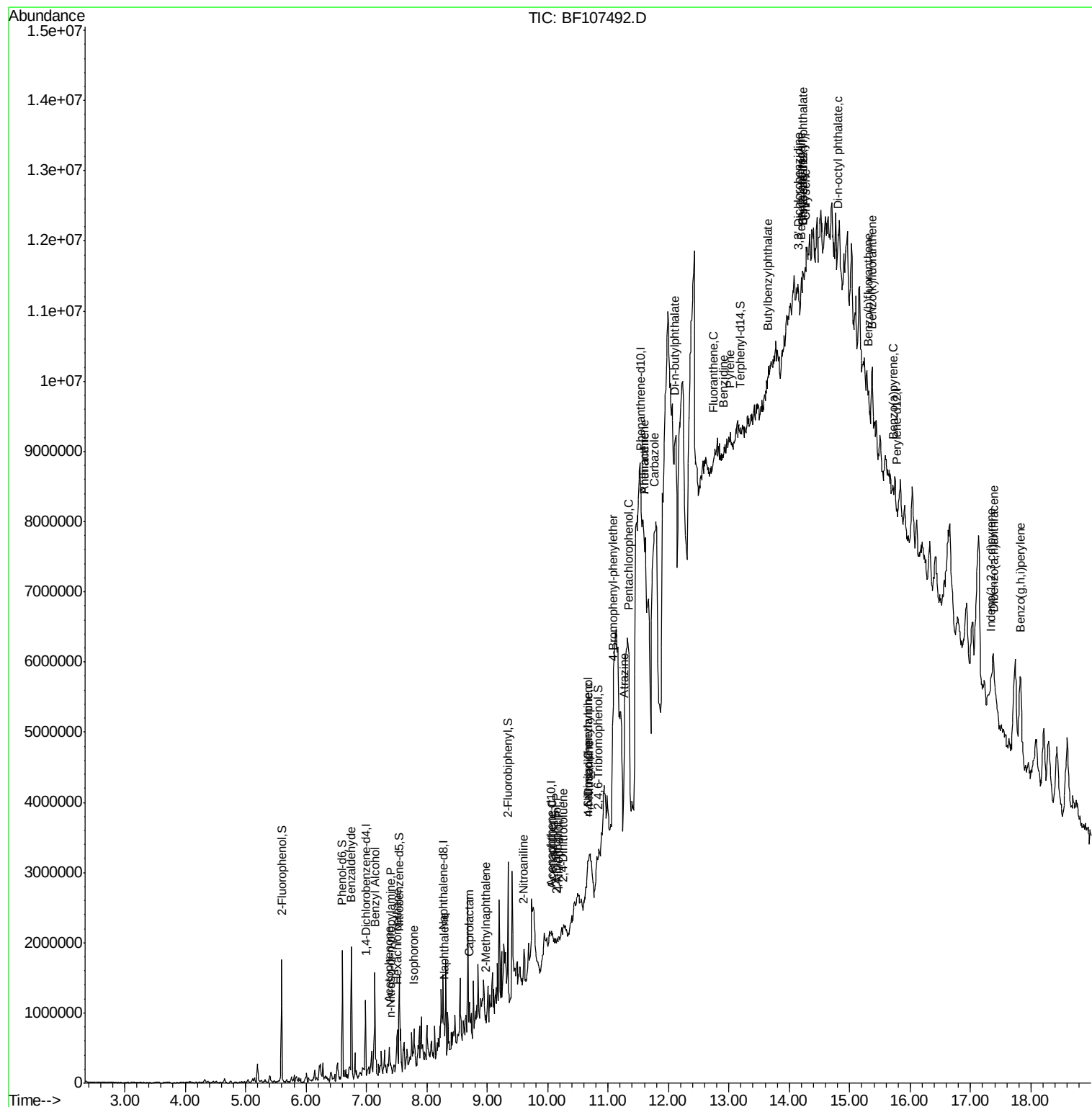
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
87) Benzo(b)fluoranthene	15.32	252	2504	17.685	ng	#	1
88) Benzo(k)fluoranthene	15.36	252	2953	21.371	ng	#	1
89) Benzo(a)pyrene	15.72	252	6259	48.163	ng	#	1
90) Dibenzo(a,h)anthracene	17.39	278	651	6.638	ng	#	1
91) Benzo(g,h,i)perylene	17.83	276	3329	33.404	ng	#	1

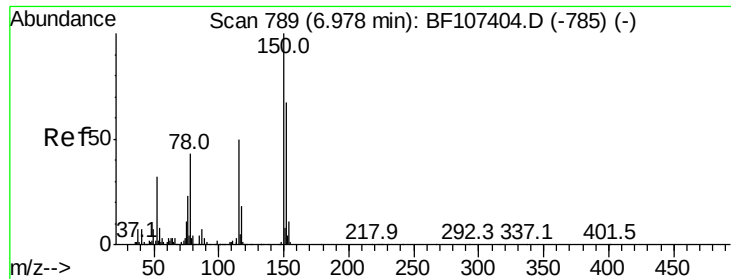
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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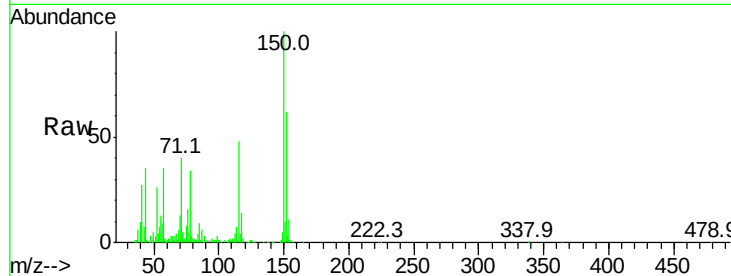


#1

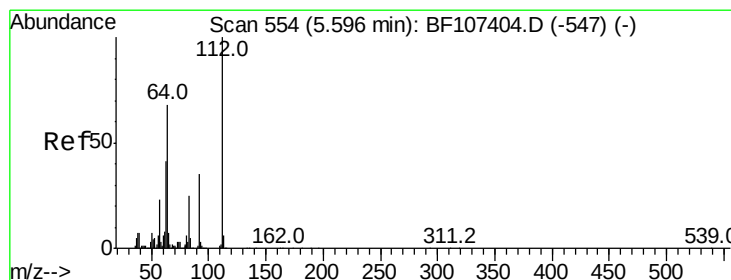
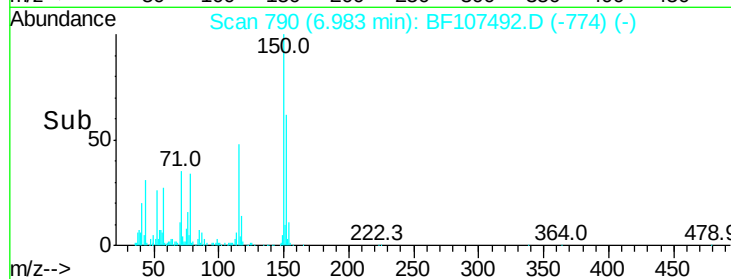
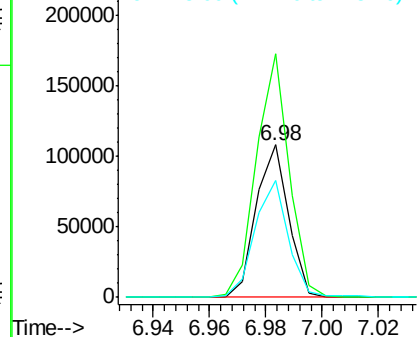
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.98 min Scan# 790
 Delta R.T. -0.01 min
 Lab File: BF107492.D
 Acq: 19 Jul 2018 4:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	124.6	186.8
115	77.1	50.1	75.1#



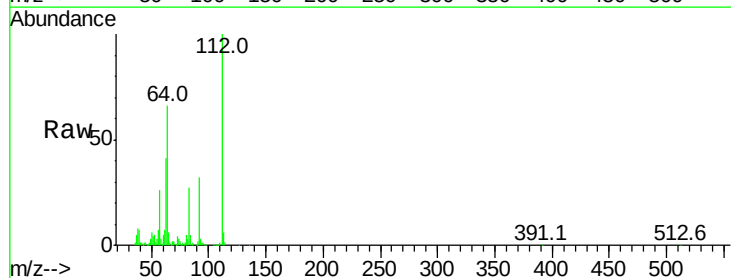
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



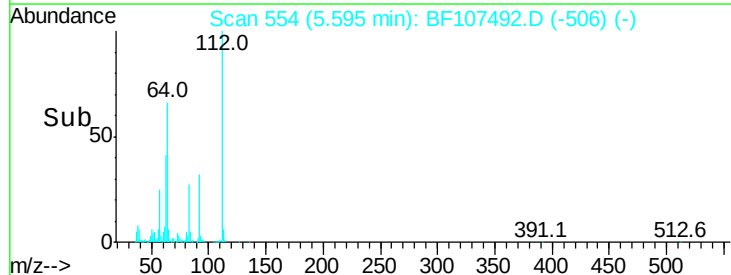
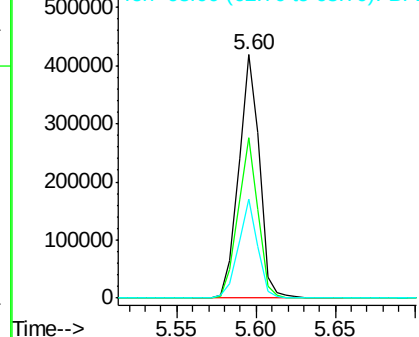
#5

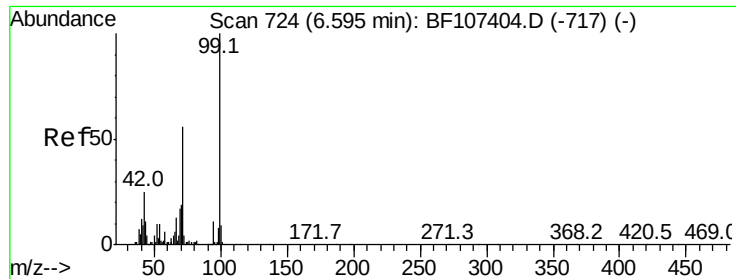
2-Fluorophenol
 Concen: 66.875 ng
 RT: 5.60 min Scan# 554
 Delta R.T. -0.02 min
 Lab File: BF107492.D
 Acq: 19 Jul 2018 4:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	47.9	71.9
63	40.8	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: 63.078 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

Instrument :

BNA_F

ClientSampleId :

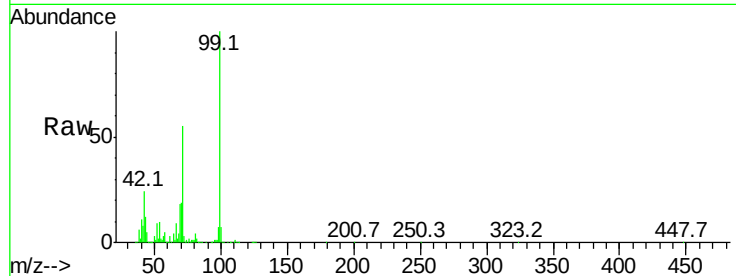
Tot Ion: 99 Resp: 460817

Ion Ratio Lower Upper

99 100

42 24.0 14.5 21.7#

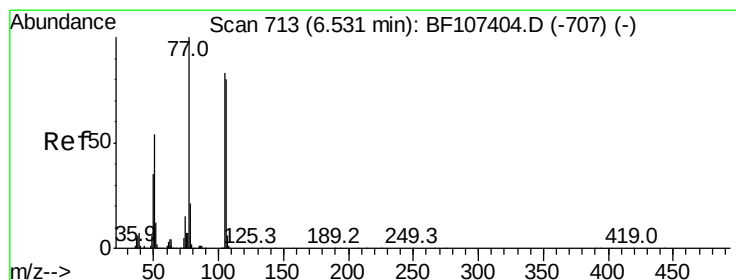
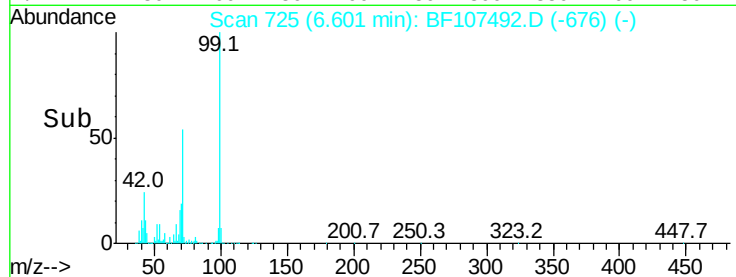
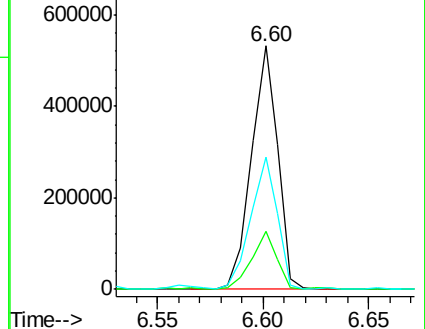
71 54.5 25.4 38.0#



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



#9

Benzaldehyde

Concen: 2.614 ng

RT: 6.75 min Scan# 750

Delta R.T. 0.21 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

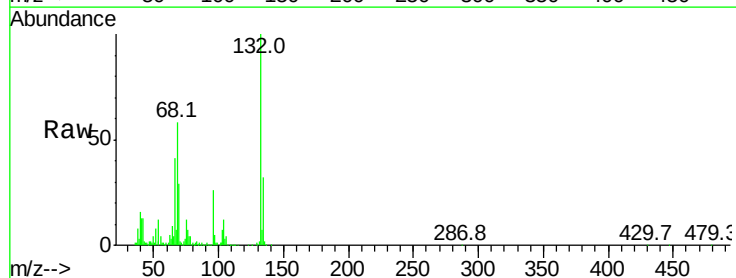
Tgt Ion: 77 Resp: 15365

Ion Ratio Lower Upper

77 100

105 93.3 81.1 121.1

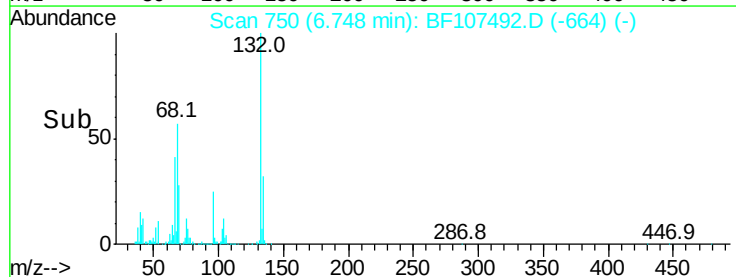
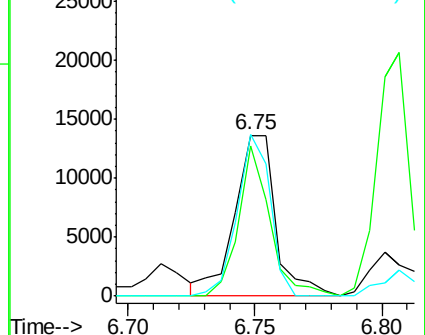
106 100.7 74.5 114.5

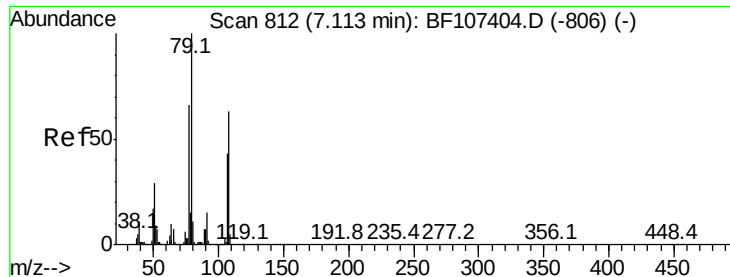


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#15

Benzyl Alcohol

Concen: 2.033 ng

RT: 7.14 min Scan# 816

Delta R.T. 0.01 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

Instrument :

BNA_F

ClientSampled :

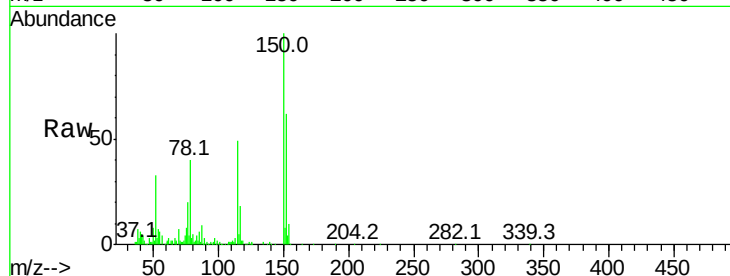
Tot Ion: 79 Resp: 14917

Ion Ratio Lower Upper

79 100

108 23.5 65.1 97.7#

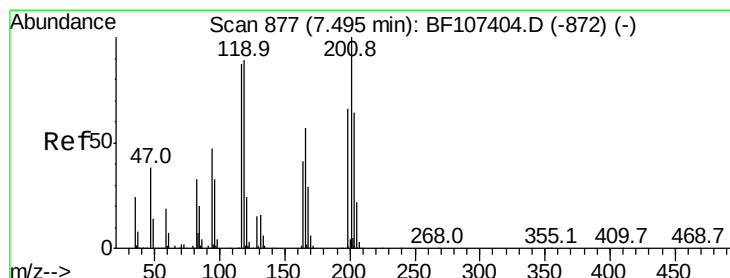
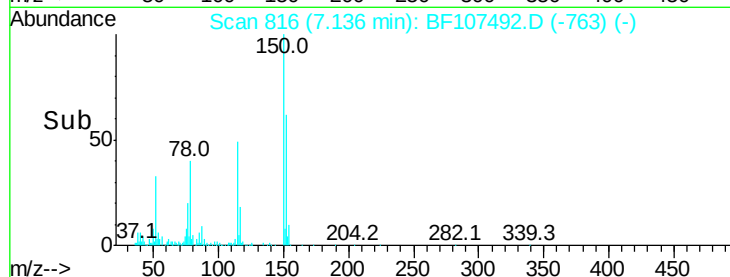
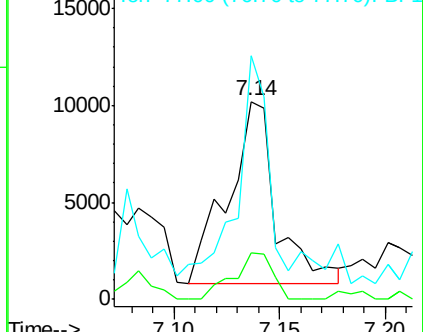
77 123.3 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#18

Hexachloroethane

Concen: 4.814 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.01 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

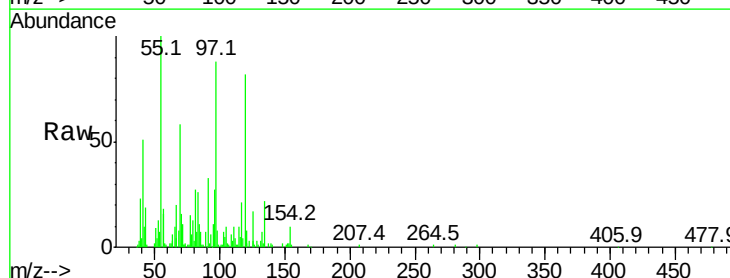
Tgt Ion: 117 Resp: 12319

Ion Ratio Lower Upper

117 100

119 393.7 75.8 113.8#

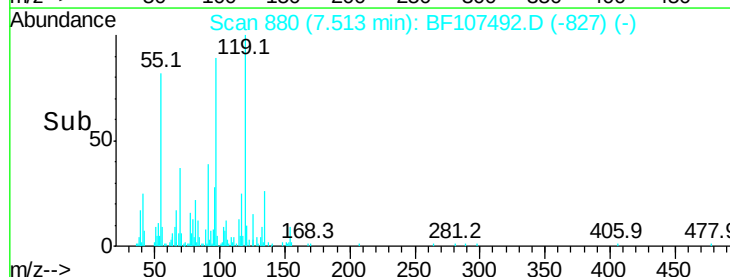
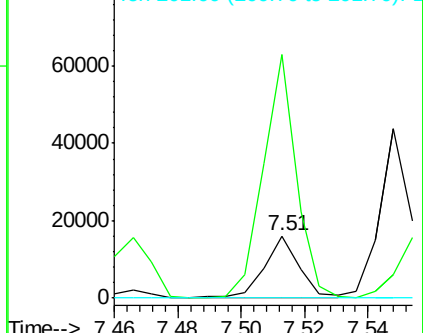
201 0.0 75.7 113.5#

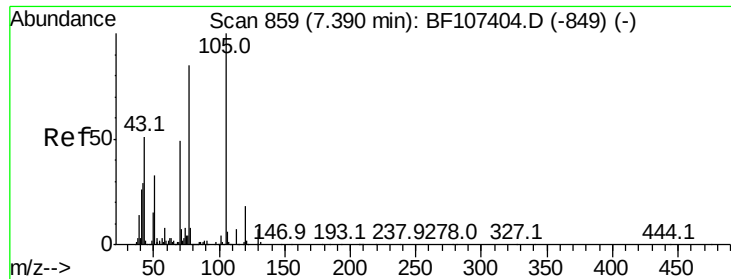


Abundance Ion 117.00 (116.70 to 117.70): BF1

Ion 119.00 (118.70 to 119.70): BF1

Ion 201.00 (200.70 to 201.70): BF1

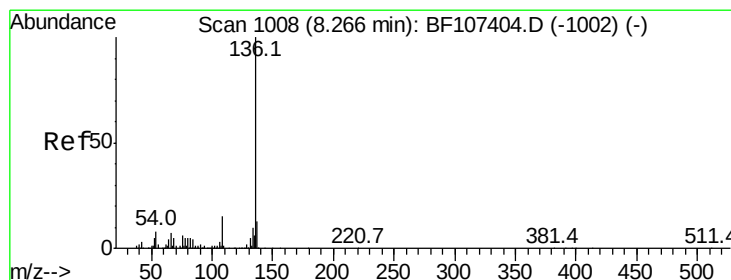
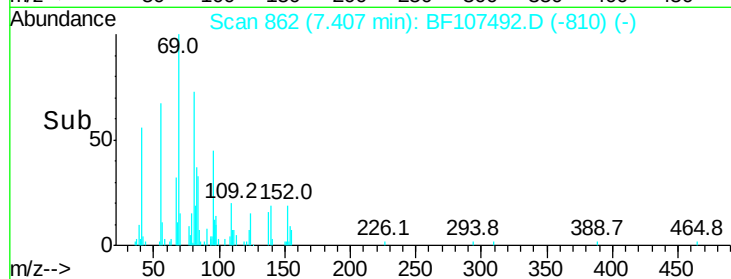
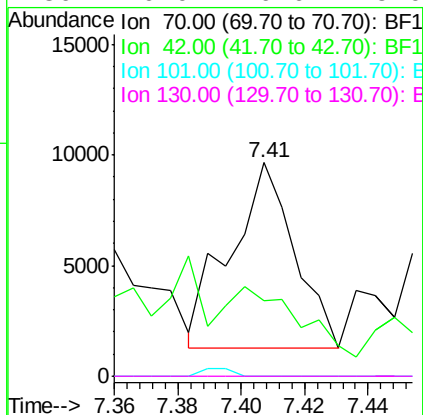
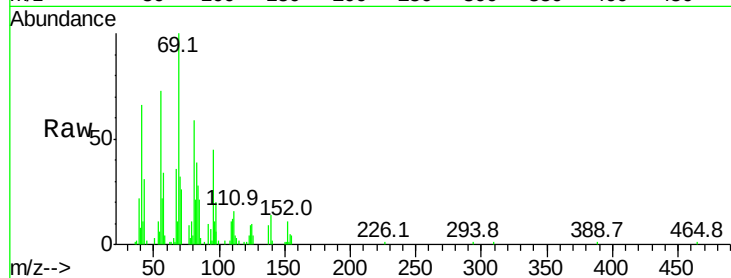




#19
n-Nitroso-di-n-propylamine
Concen: 2.248 ng
RT: 7.41 min Scan# 862
Delta R.T. 0.01 min
Lab File: BF107492.D
Acq: 19 Jul 2018 4:03

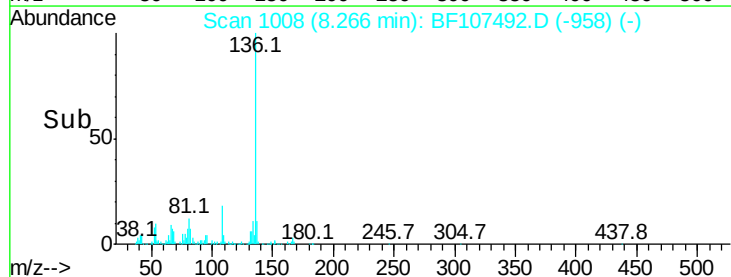
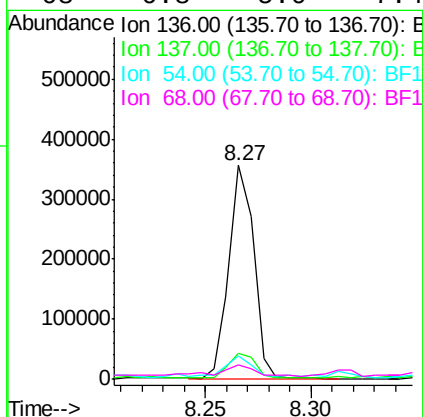
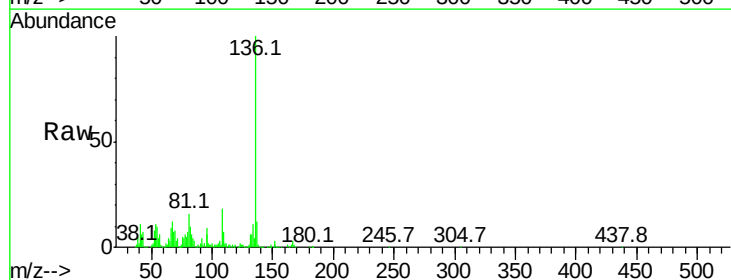
Instrument :
BNA_F
ClientSampleId :

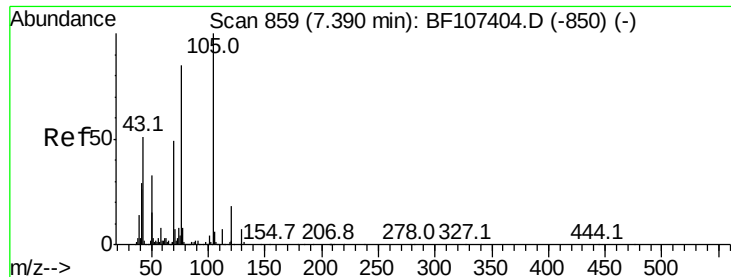
Tot Ion: 70 Resp: 11759
Ion Ratio Lower Upper
70 100
42 35.5 47.5 71.3#
101 0.0 7.4 11.2#
130 0.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF107492.D
Acq: 19 Jul 2018 4:03

Tgt Ion: 136 Resp: 289041
Ion Ratio Lower Upper
136 100
137 11.9 8.9 13.3
54 10.8 6.6 9.8#
68 6.8 5.0 7.4





#22

Acetophenone

Concen: 2.355 ng

RT: 7.37 min Scan# 856

Delta R.T. -0.02 min

Lab File: BF107492.D

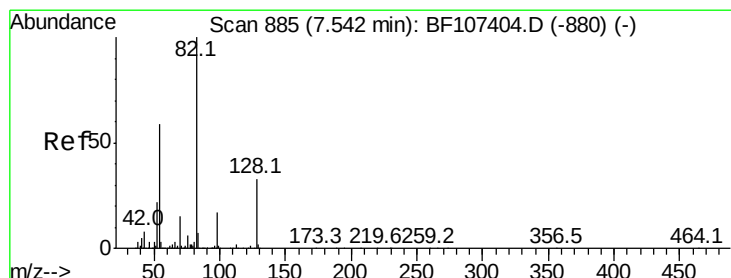
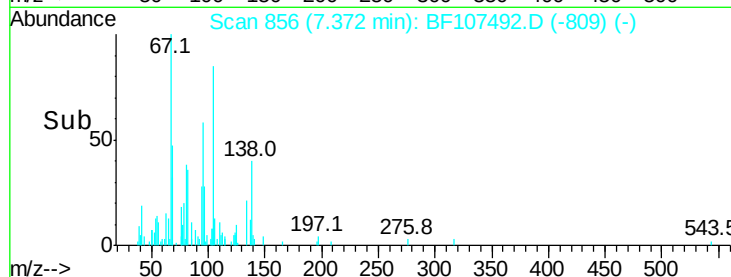
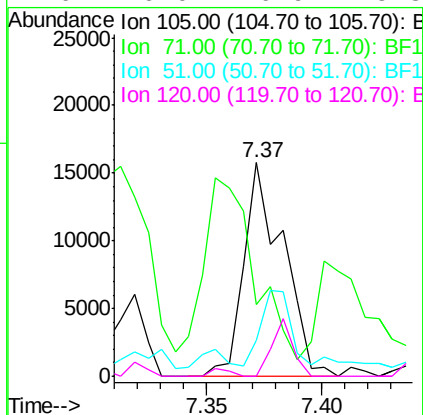
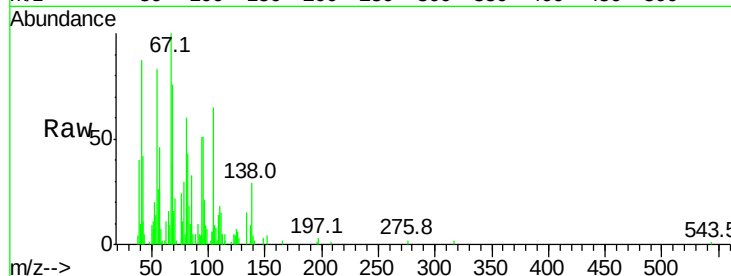
Acq: 19 Jul 2018 4:03

Instrument :

BNA_F

ClientSampled :

Tot Ion:	105	Resp:	18704
Ion	Ratio	Lower	Upper
105	100		
71	33.7	4.4	6.6#
51	16.6	22.3	33.5#
120	0.0	16.9	25.3#



#23

Nitrobenzene-d5

Concen: 59.819 ng

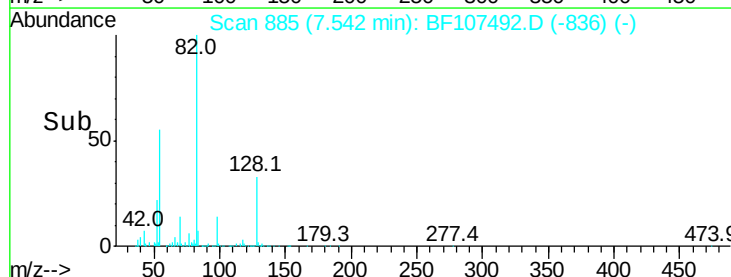
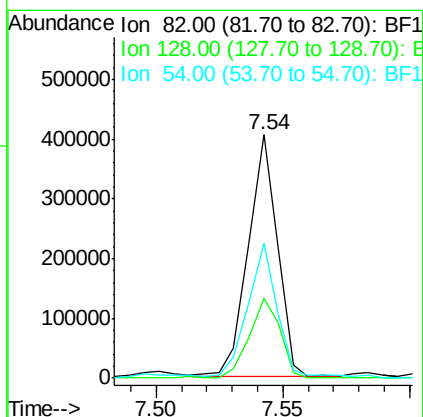
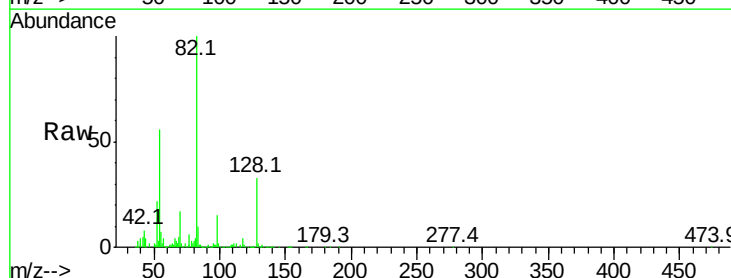
RT: 7.54 min Scan# 885

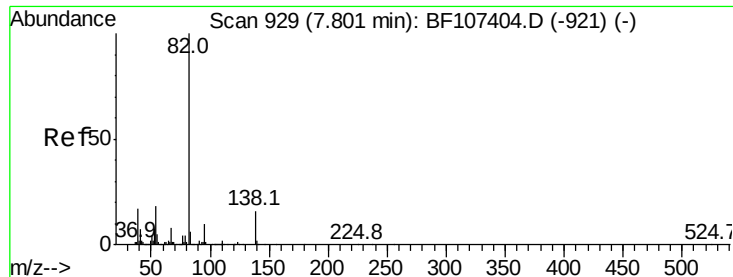
Delta R.T. -0.01 min

Lab File: BF107492.D

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Tgt Ion:	82	Resp:	324245
Ion	Ratio	Lower	Upper
82	100		
128	33.0	36.1	54.1#
54	55.6	41.4	62.2





#25

Isophorone

Concen: 2.540 ng

RT: 7.79 min Scan# 927

Delta R.T. -0.02 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

Instrument :

BNA_F

ClientSampled :

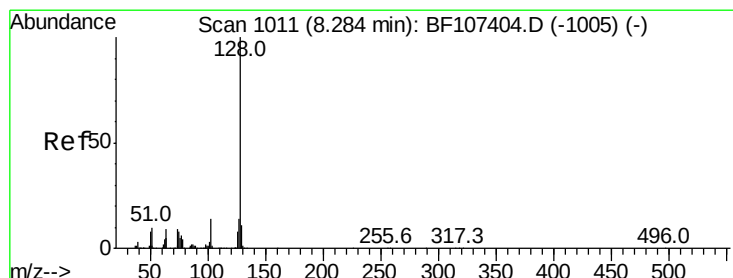
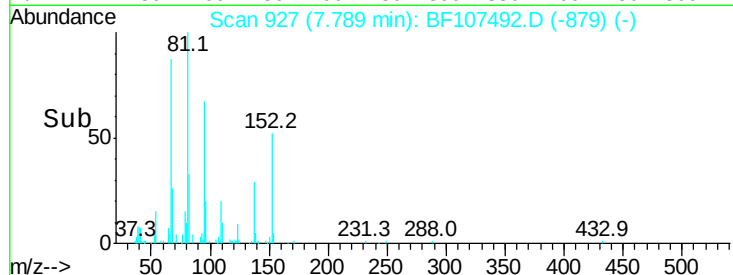
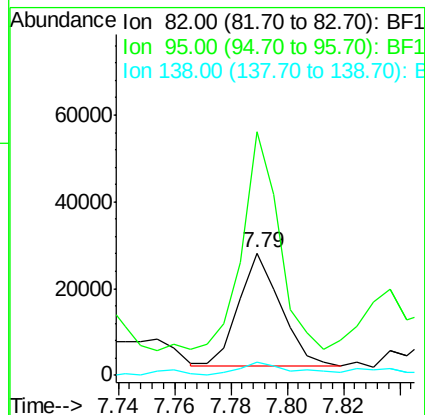
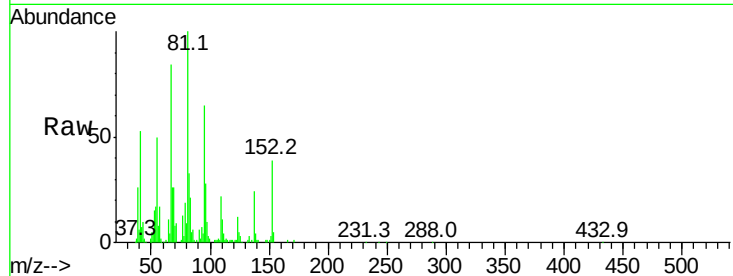
Tot Ion: 82 Resp: 27287

Ion Ratio Lower Upper

82 100

95 198.7 5.2 7.8#

138 11.0 14.9 22.3#



#31

Naphthalene

Concen: 2.516 ng

RT: 8.29 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

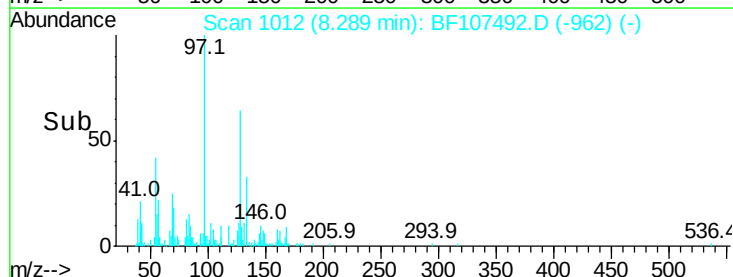
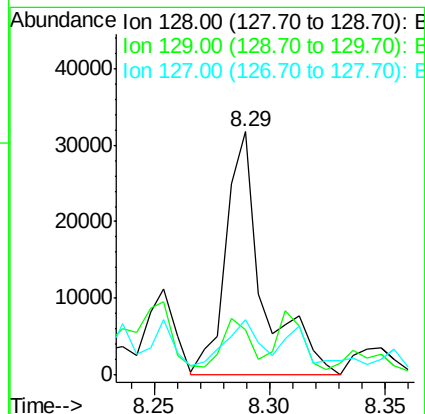
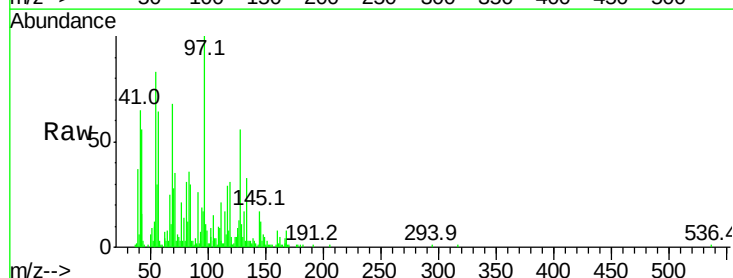
Tgt Ion: 128 Resp: 35326

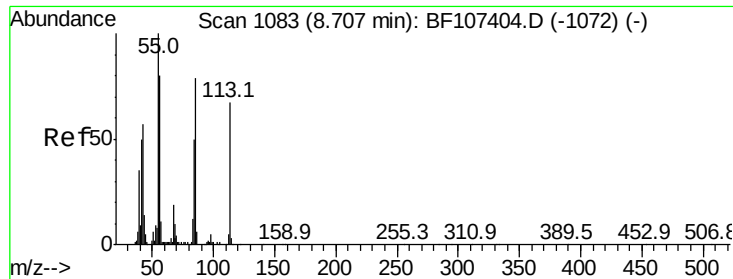
Ion Ratio Lower Upper

128 100

129 18.7 8.8 13.2#

127 22.8 10.9 16.3#





#35

Caprolactam

Concen: 4.307 ng

RT: 8.71 min Scan# 1083

Delta R.T. -0.02 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

Instrument :

BNA_F

ClientSampleId :

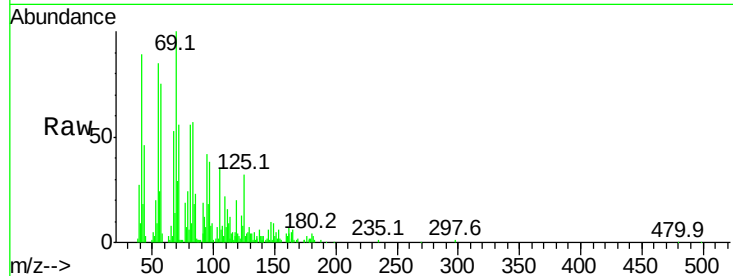
Tot Ion:113 Resp: 6295

Ion Ratio Lower Upper

113 100

55 680.4 163.3 203.3#

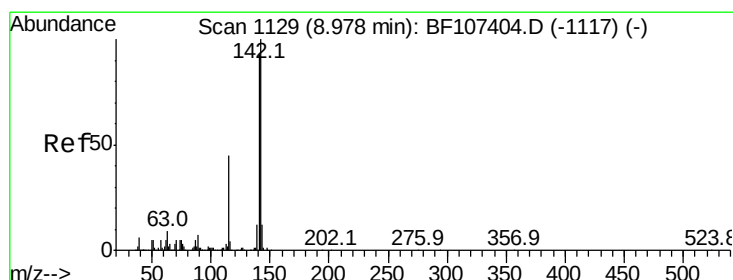
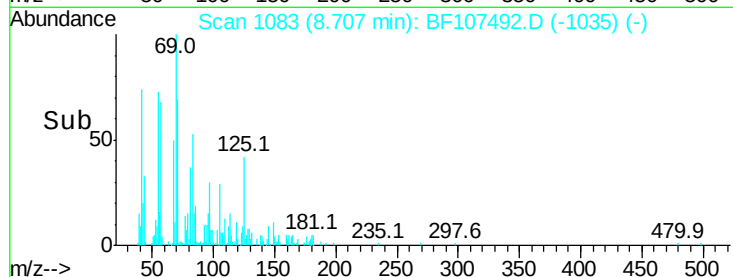
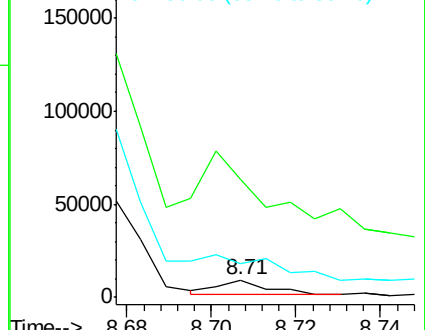
56 195.2 115.7 155.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#37

2-Methylnaphthalene

Concen: 2.347 ng

RT: 8.98 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

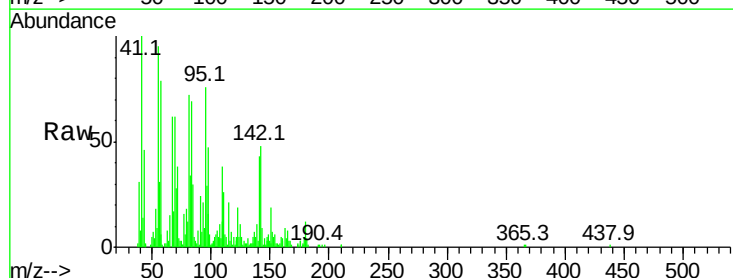
Tgt Ion:142 Resp: 21721

Ion Ratio Lower Upper

142 100

141 90.9 70.8 106.2

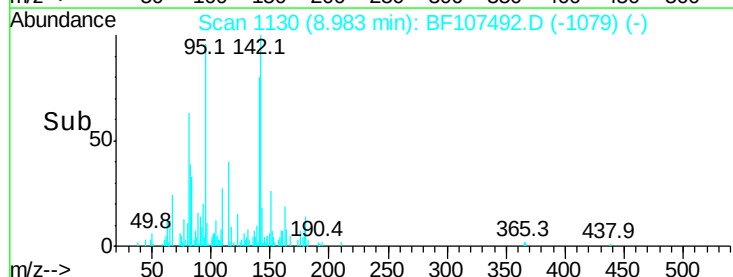
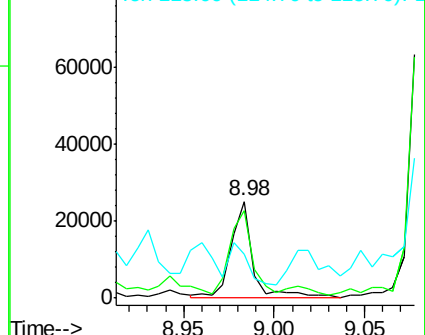
115 45.0 26.1 39.1#

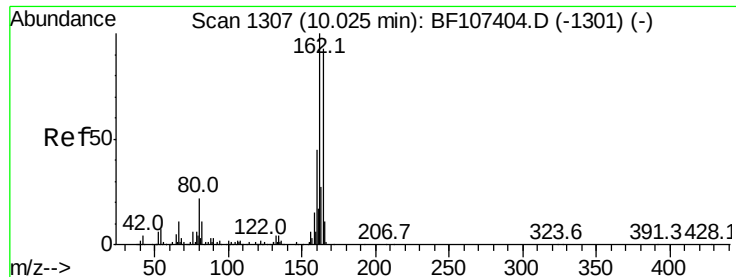


Abundance Ion 142.00 (141.70 to 142.70): E

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: 10.07 min Scan# 1315

Delta R.T. 0.04 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

Instrument :

BNA_F

ClientSampleId :

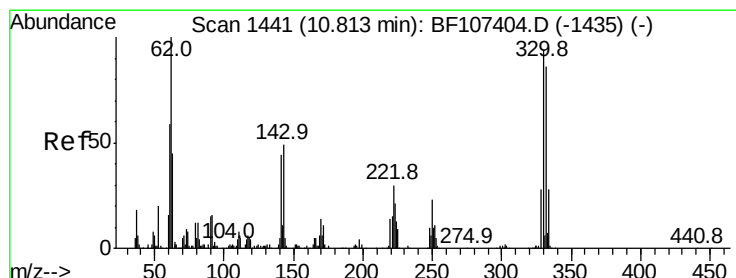
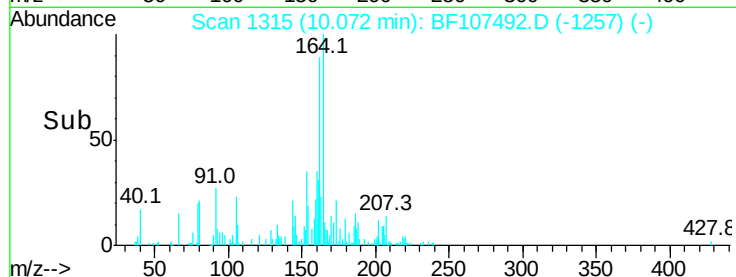
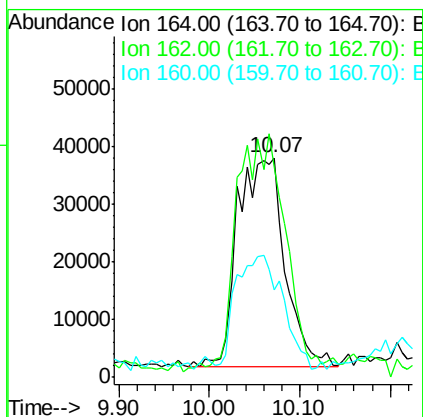
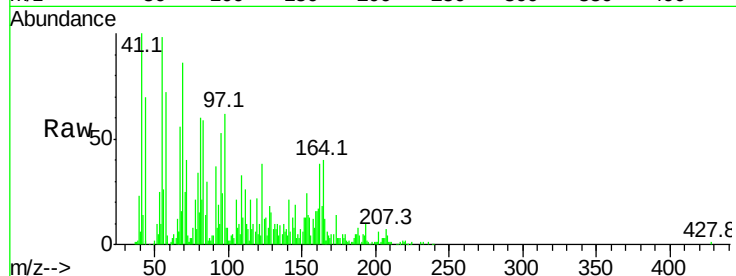
Tot Ion:164 Resp: 131480

Ion Ratio Lower Upper

164 100

162 95.9 86.1 129.1

160 39.6 38.3 57.5



#41

2,4,6-Tribromophenol

Concen: 38.515 ng

RT: 10.84 min Scan# 1445

Delta R.T. 0.01 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

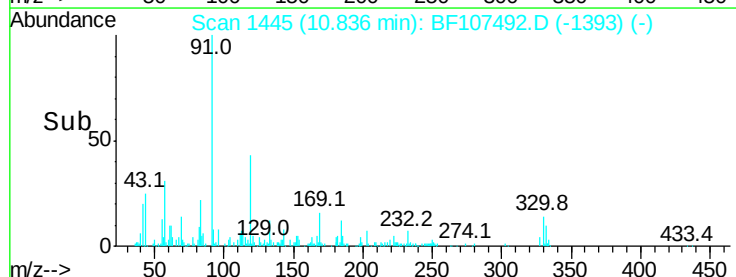
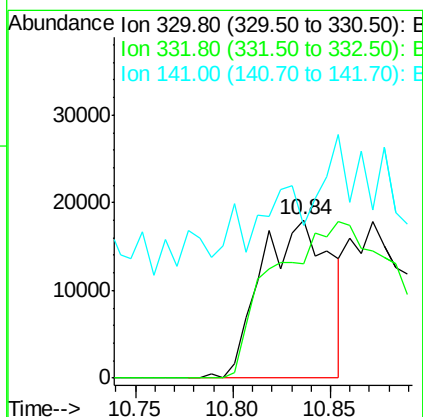
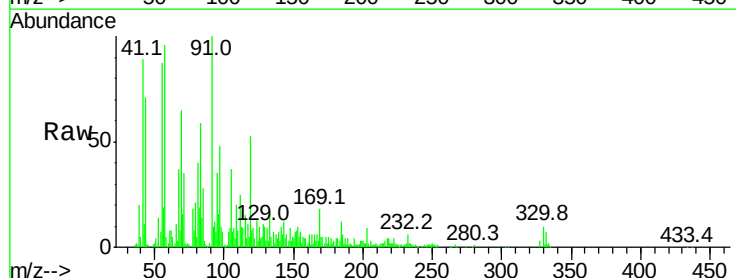
Tgt Ion:330 Resp: 44493

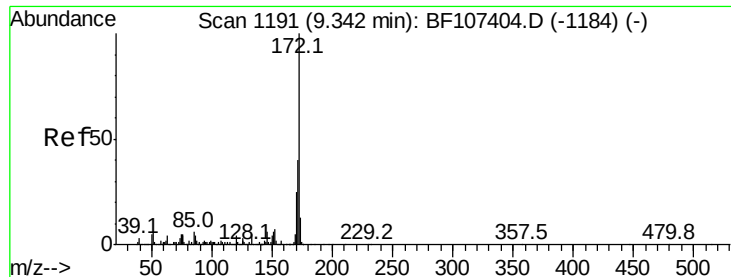
Ion Ratio Lower Upper

330 100

332 0.0 77.0 115.6#

141 20.7 29.9 44.9#





#44

2-Fluorobiphenyl

Concen: 54.975 ng

RT: 9.34 min Scan# 1191

Delta R.T. -0.01 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

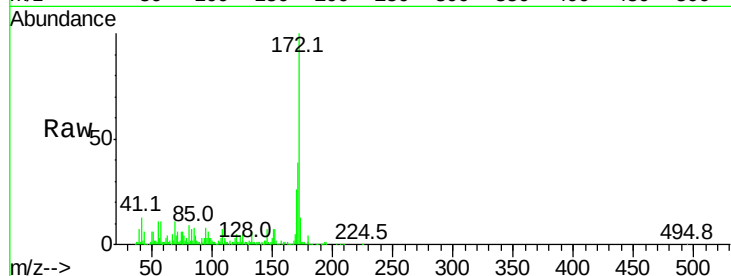
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 463708

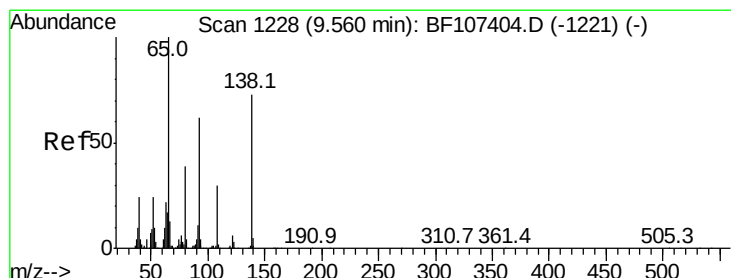
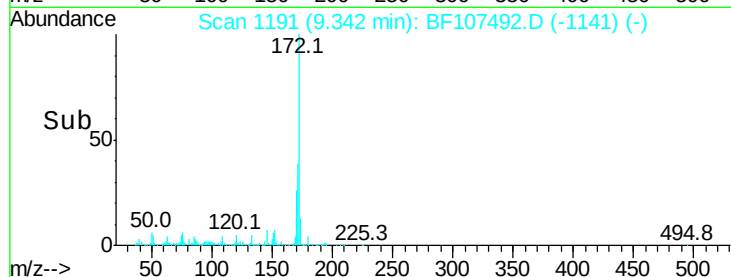
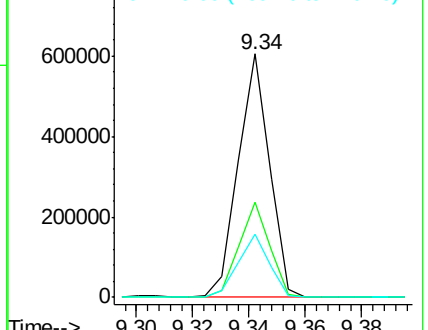
Ion	Ratio	Lower	Upper
172	100		
171	39.3	29.7	44.5
170	25.8	19.6	29.4



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



#47

2-Nitroaniline

Concen: 2.360 ng

RT: 9.60 min Scan# 1235

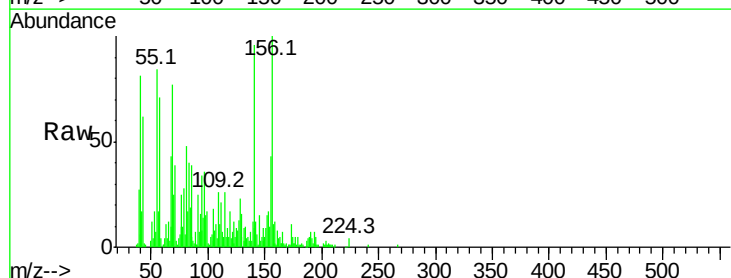
Delta R.T. 0.03 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

Tgt Ion: 65 Resp: 6485

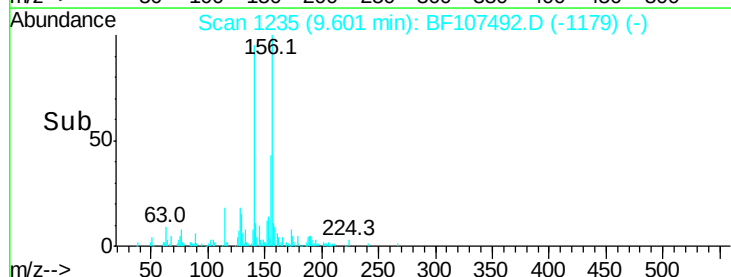
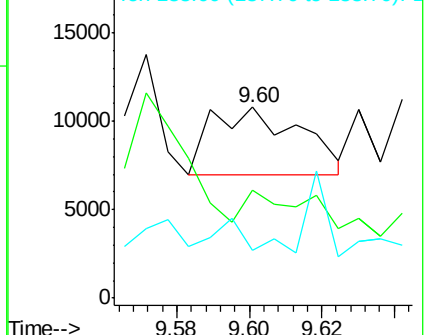
Ion	Ratio	Lower	Upper
65	100		
92	56.6	55.8	83.6
138	24.8	91.2	136.8#

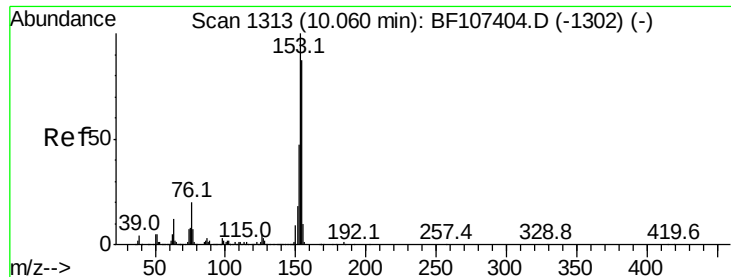


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#51

Acenaphthene

Concen: 4.591 ng

RT: 10.08 min Scan# 1316

Delta R.T. 0.01 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

Instrument :

BNA_F

ClientSampleId :

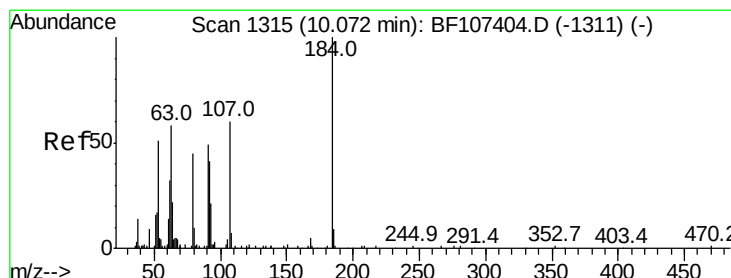
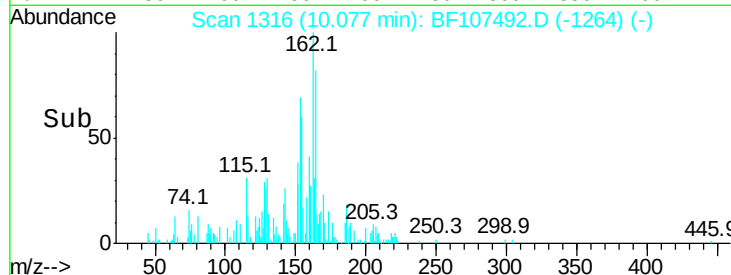
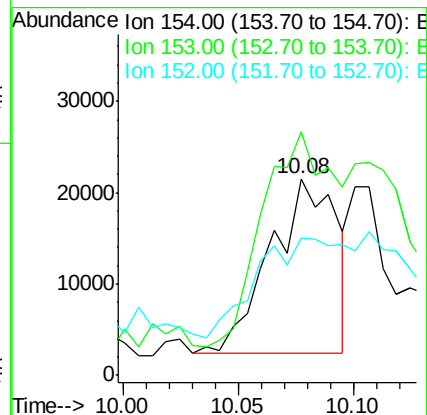
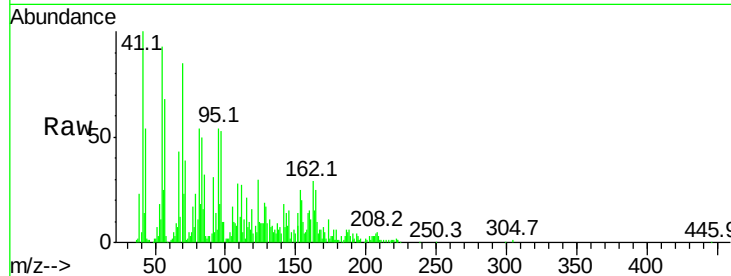
Tot Ion:154 Resp: 38136

Ion Ratio Lower Upper

154 100

153 123.7 91.2 136.8

152 69.5 43.8 65.8#



#53

2,4-Dinitrophenol

Concen: 4.664 ng

RT: 10.15 min Scan# 1328

Delta R.T. 0.06 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

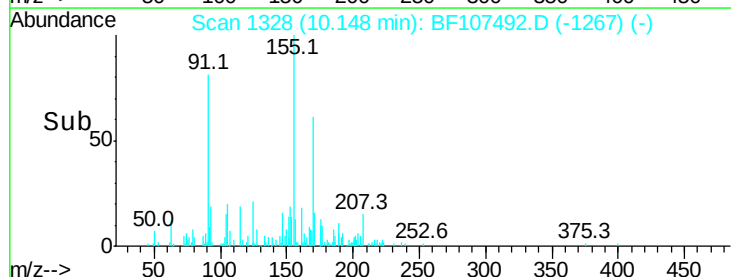
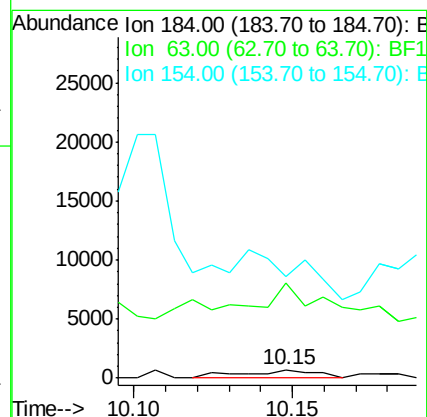
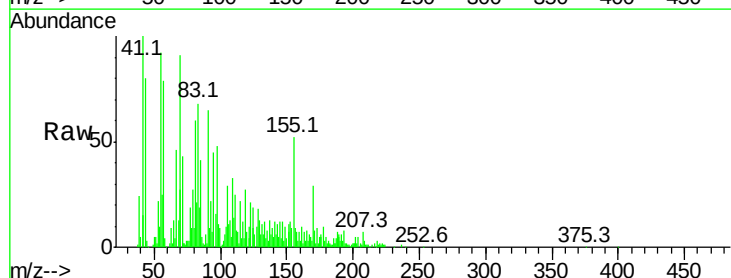
Tgt Ion:184 Resp: 1177

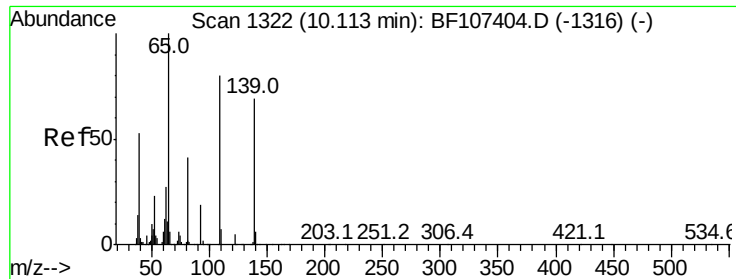
Ion Ratio Lower Upper

184 100

63 1101.8 54.2 81.2#

154 1176.8 184.0 276.0#

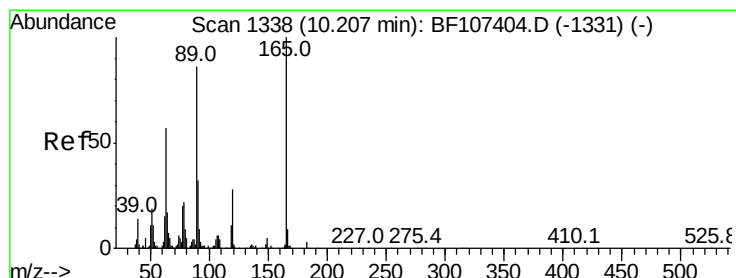
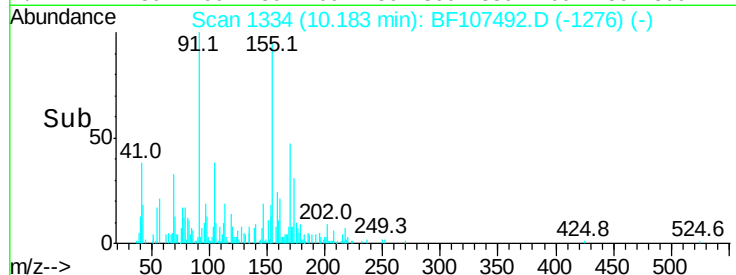
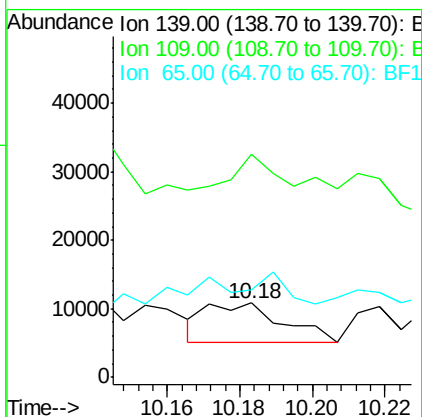
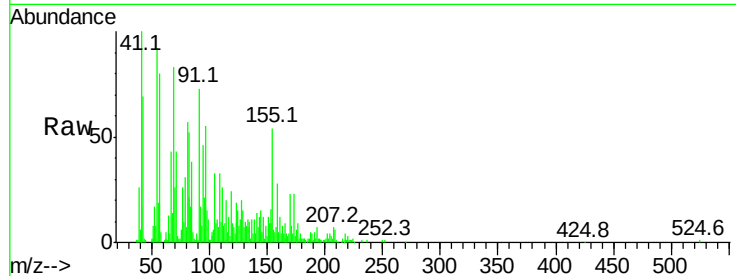




#55
4-Nitrophenol
Concen: 4.912 ng
RT: 10.18 min Scan# 1334
Delta R.T. 0.04 min
Lab File: BF107492.D
Acq: 19 Jul 2018 4:03

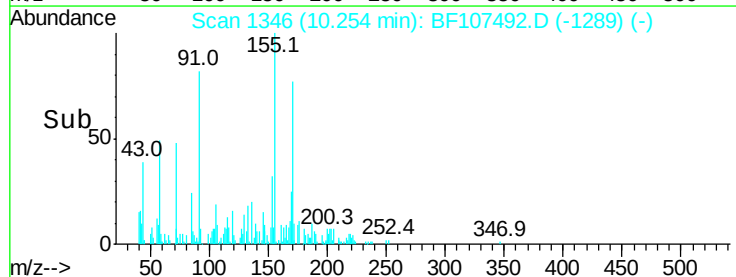
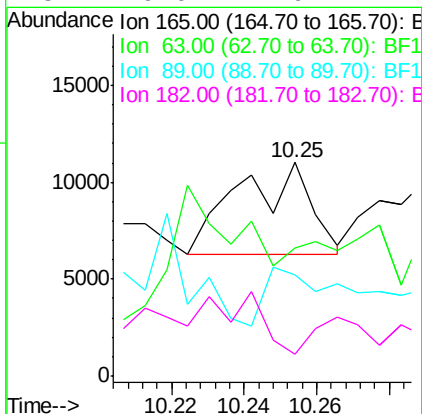
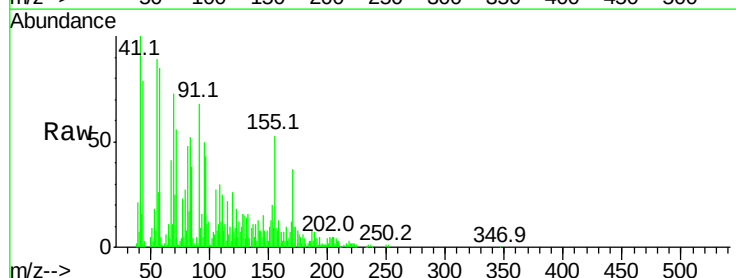
Instrument :
BNA_F
ClientSampleId :

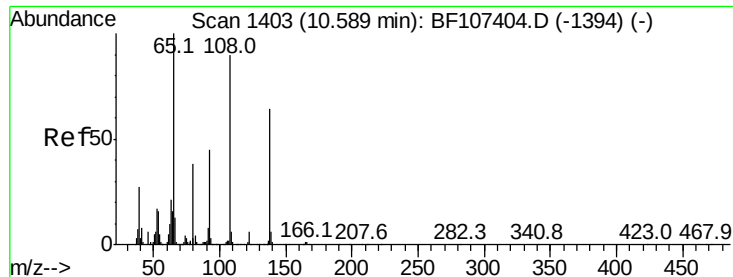
Tot Ion:139 Resp: 8322
Ion Ratio Lower Upper
139 100
109 300.3 48.4 88.4#
65 117.6 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 2.594 ng
RT: 10.25 min Scan# 1346
Delta R.T. 0.04 min
Lab File: BF107492.D
Acq: 19 Jul 2018 4:03

Tgt Ion:165 Resp: 6739
Ion Ratio Lower Upper
165 100
63 60.2 36.4 54.6#
89 47.2 57.8 86.6#
182 10.0 1.6 2.4#





#61

4-Nitroaniline

Concen: 9.880 ng

RT: 10.68 min Scan# 1419

Delta R.T. 0.08 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

Instrument :

BNA_F

ClientSampleId :

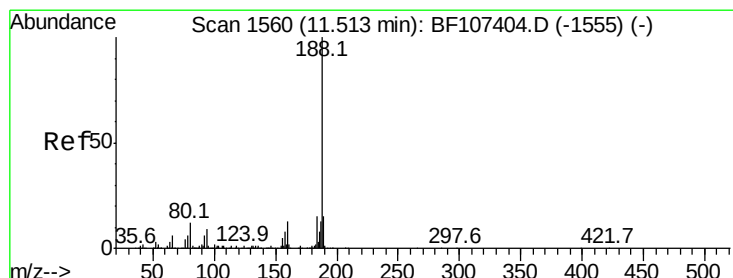
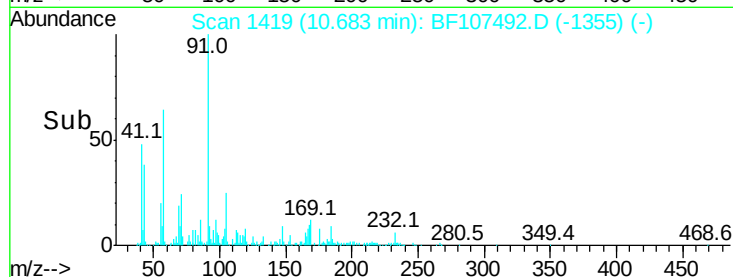
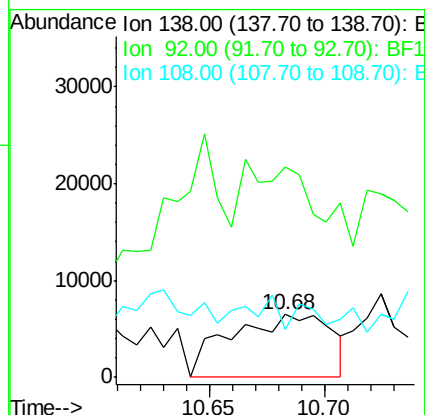
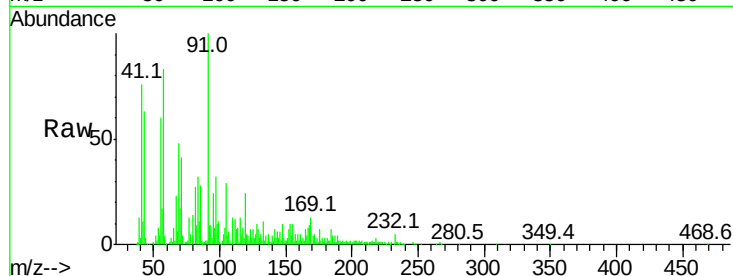
Tot Ion:138 Resp: 19688

Ion Ratio Lower Upper

138 100

92 333.5 30.2 70.2#

108 75.5 52.5 92.5



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.55 min Scan# 1566

Delta R.T. 0.02 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

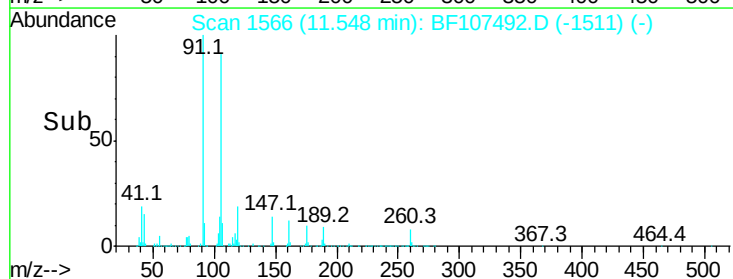
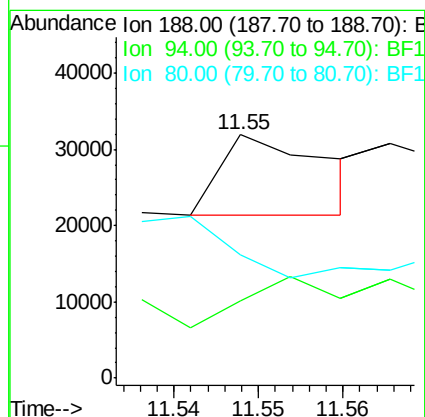
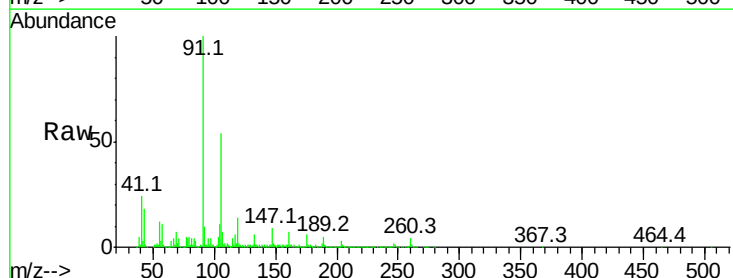
Tgt Ion:188 Resp: 9116

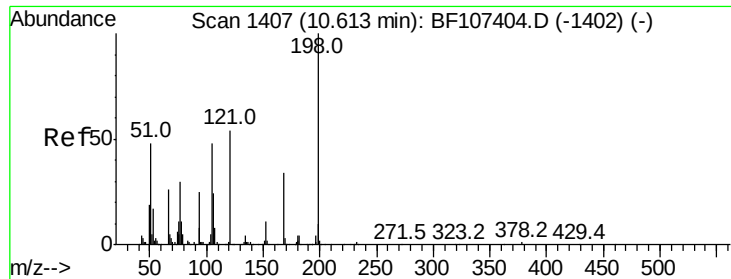
Ion Ratio Lower Upper

188 100

94 31.6 8.5 12.7#

80 50.9 9.2 13.8#





#64

4,6-Dinitro-2-methylphenol

Concen: 19.427 ng

RT: 10.66 min Scan# 1415

Delta R.T. 0.03 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

Instrument :

BNA_F

ClientSampleId :

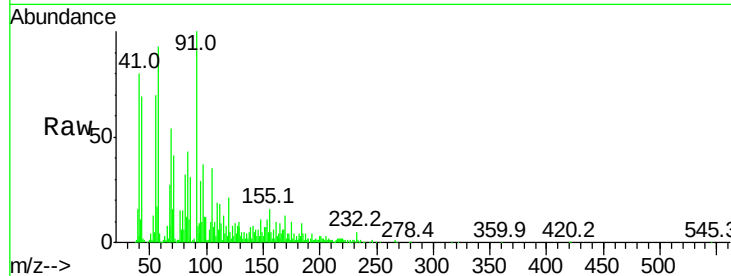
Tot Ion:198 Resp: 691

Ion Ratio Lower Upper

198 100

51 525.3 37.7 77.7#

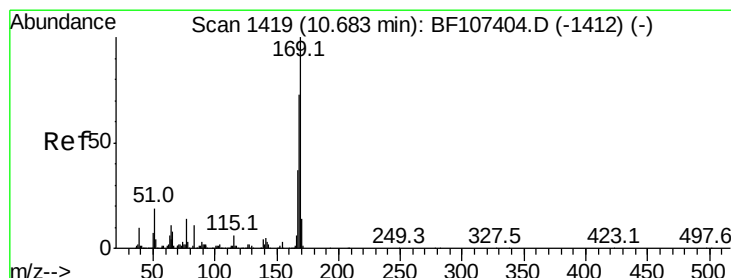
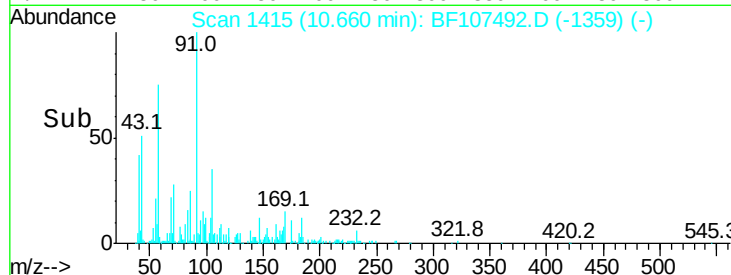
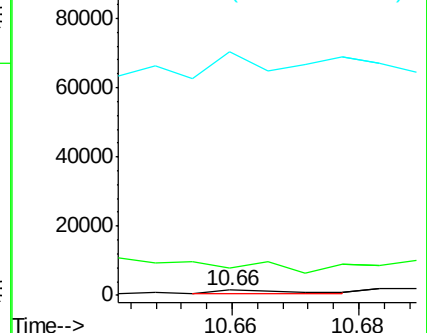
105 4629.9 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 76.964 ng

RT: 10.67 min Scan# 1416

Delta R.T. -0.02 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

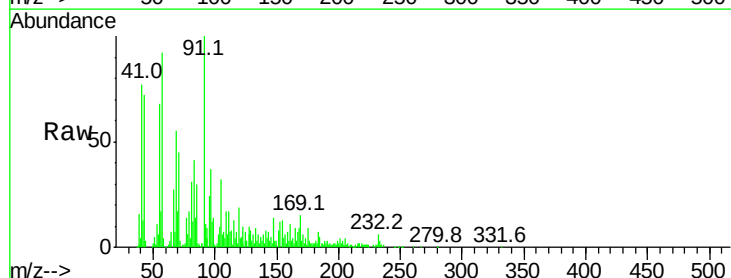
Tgt Ion:169 Resp: 22159

Ion Ratio Lower Upper

169 100

168 57.6 54.4 81.6

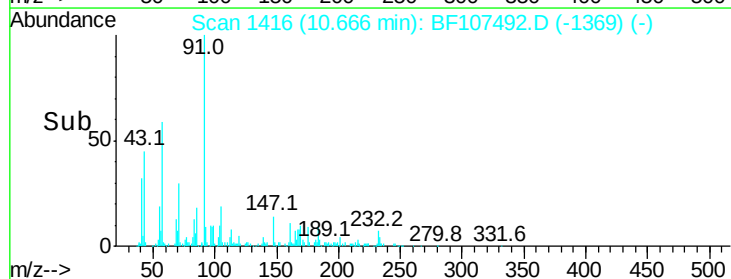
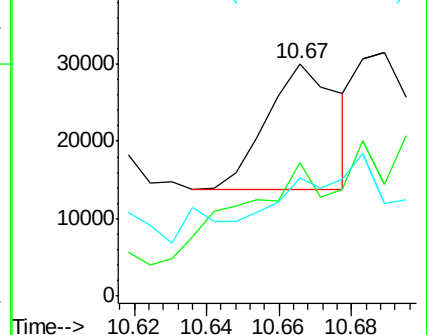
167 50.6 29.8 44.6#

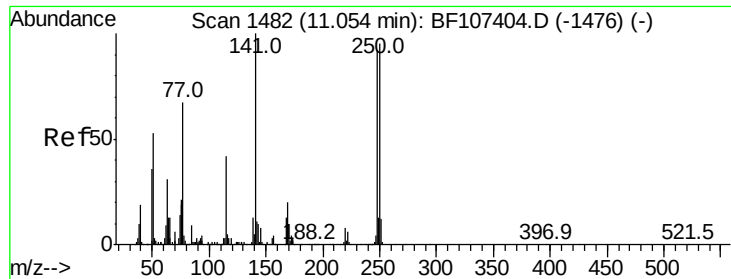


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

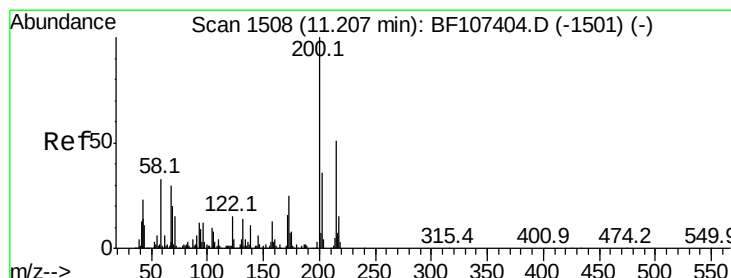
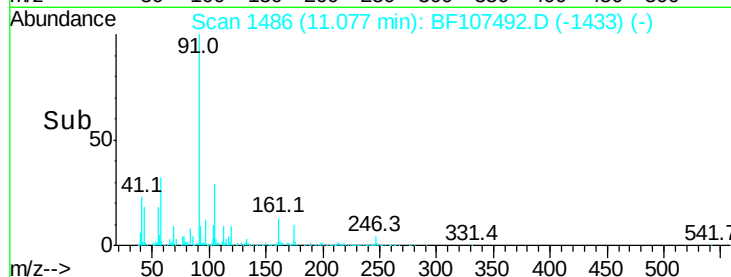
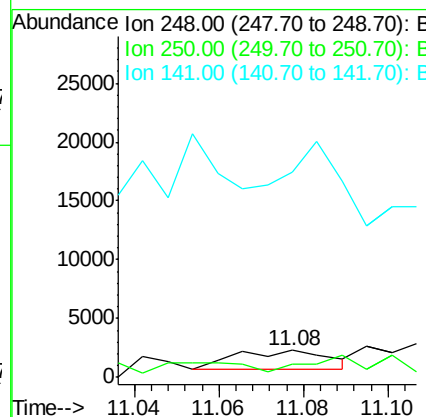
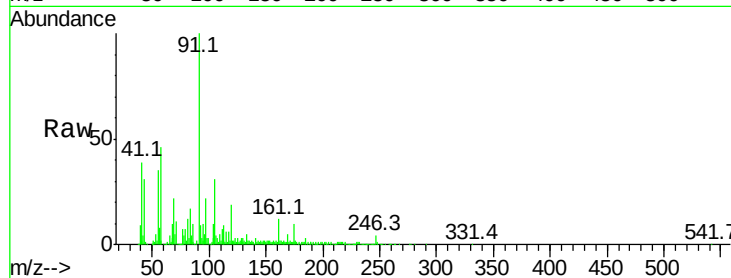




#66
4-Bromophenyl-phenylether
Concen: 24.450 ng
RT: 11.08 min Scan# 1486
Delta R.T. 0.01 min
Lab File: BF107492.D
Acq: 19 Jul 2018 4:03

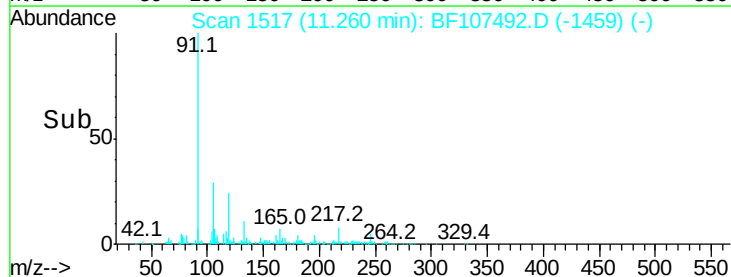
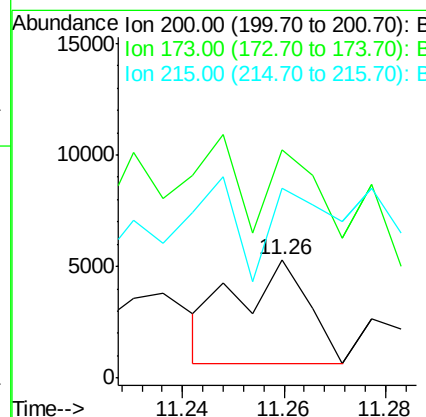
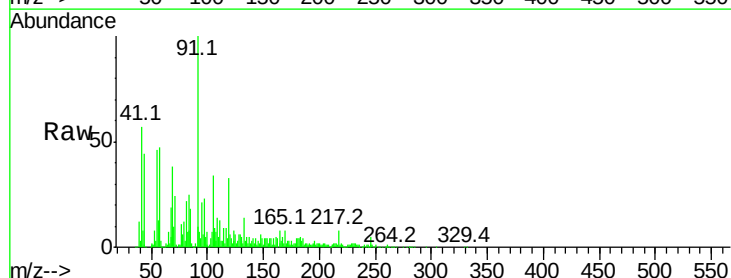
Instrument :
BNA_F
ClientSampleId :

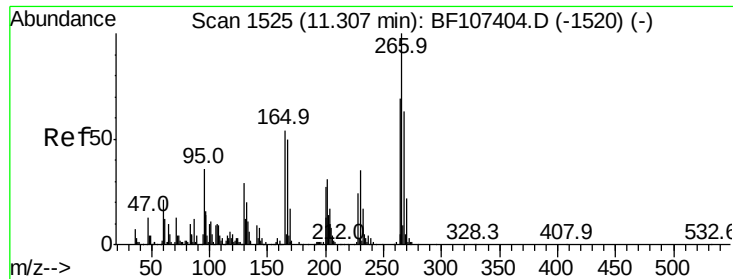
Tot Ion:248 Resp: 2550
Ion Ratio Lower Upper
248 100
250 51.6 76.9 115.3#
141 765.7 74.4 111.6#



#68
Atrazine
Concen: 42.454 ng
RT: 11.26 min Scan# 1517
Delta R.T. 0.04 min
Lab File: BF107492.D
Acq: 19 Jul 2018 4:03

Tgt Ion:200 Resp: 4619
Ion Ratio Lower Upper
200 100
173 192.8 8.6 48.6#
215 160.5 25.1 65.1#

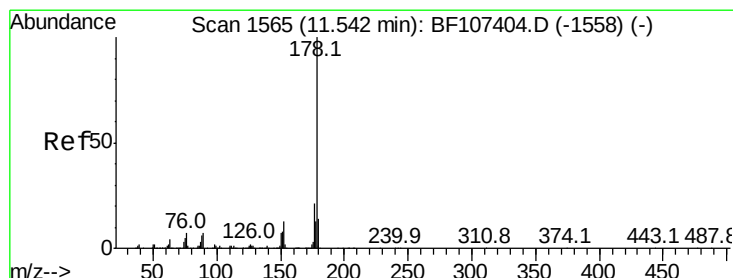
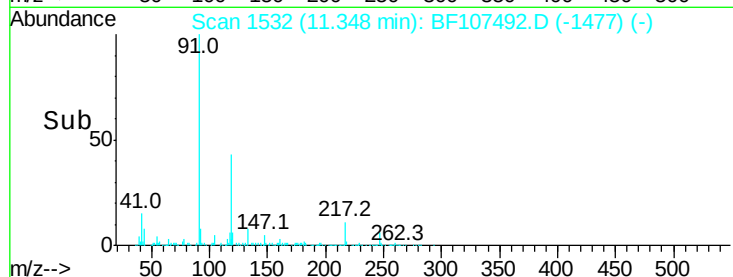
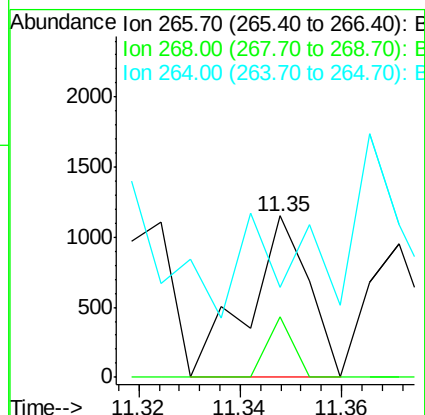
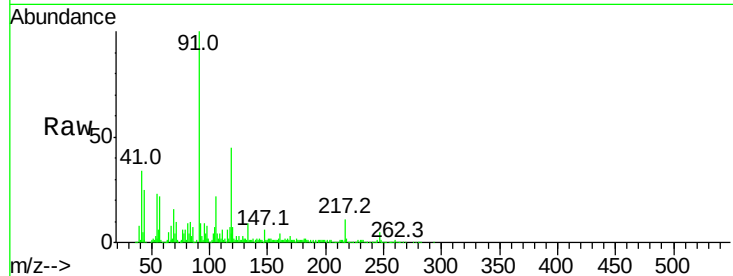




#69
 Pentachlorophenol
 Concen: 13.316 ng
 RT: 11.35 min Scan# 1532
 Delta R.T. 0.02 min
 Lab File: BF107492.D
 Acq: 19 Jul 2018 4:03

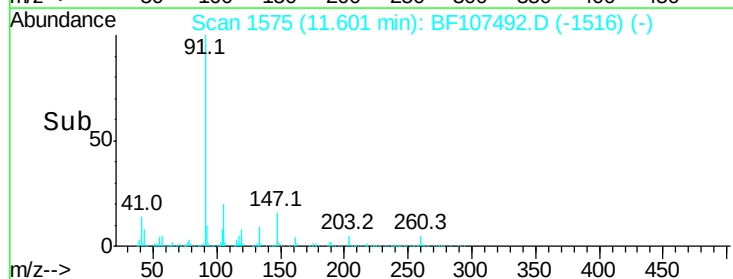
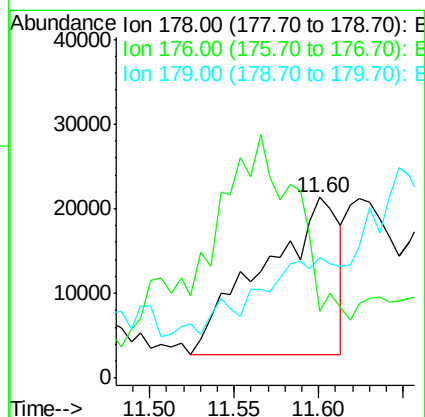
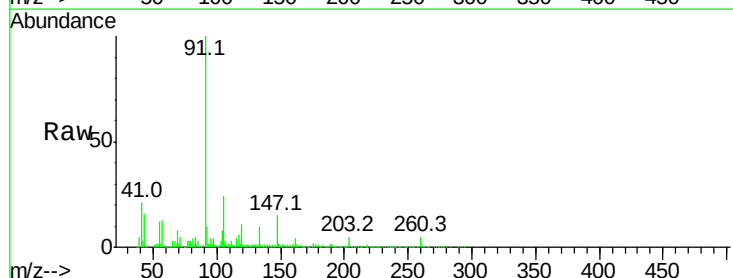
Instrument :
 BNA_F
 ClientSampled :

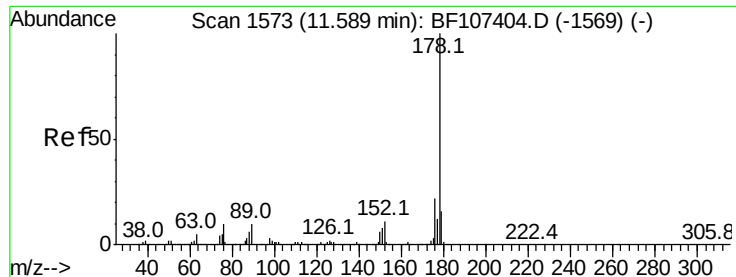
Tot Ion:266 Resp: 950
 Ion Ratio Lower Upper
 266 100
 268 37.3 51.1 76.7#
 264 56.0 49.5 74.3



#70
 Phenanthrene
 Concen: 127.171 ng
 RT: 11.60 min Scan# 1575
 Delta R.T. 0.05 min
 Lab File: BF107492.D
 Acq: 19 Jul 2018 4:03

Tgt Ion:178 Resp: 57774
 Ion Ratio Lower Upper
 178 100
 176 36.9 15.8 23.8#
 179 66.8 13.0 19.6#





#71

Anthracene

Concen: 127.679 ng

RT: 11.60 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

Instrument :

BNA_F

ClientSampleId :

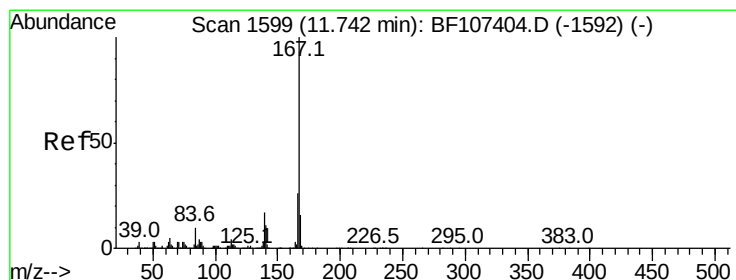
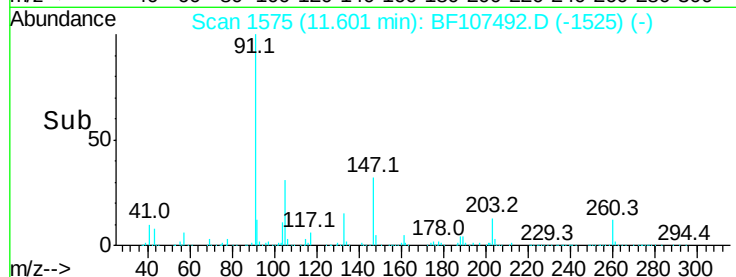
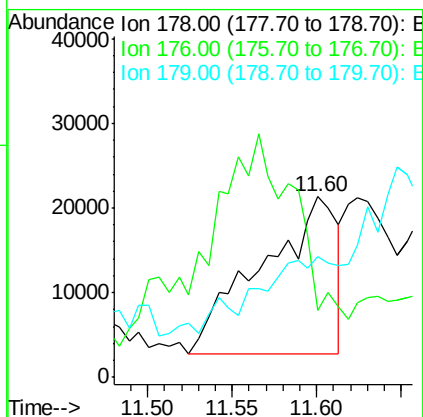
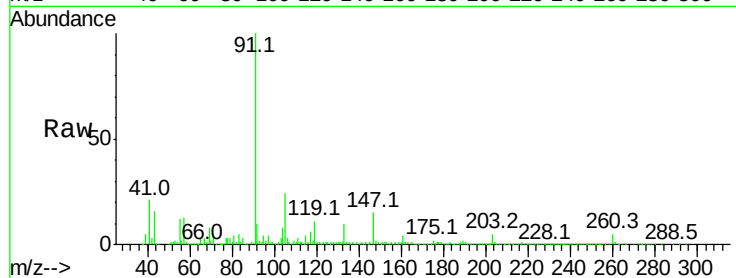
Tot Ion:178 Resp: 57774

Ion Ratio Lower Upper

178 100

176 36.9 15.4 23.2#

179 66.8 12.6 19.0#



#72

Carbazole

Concen: 12.029 ng

RT: 11.77 min Scan# 1603

Delta R.T. 0.01 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

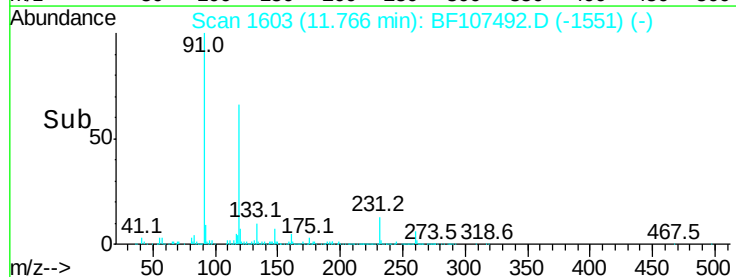
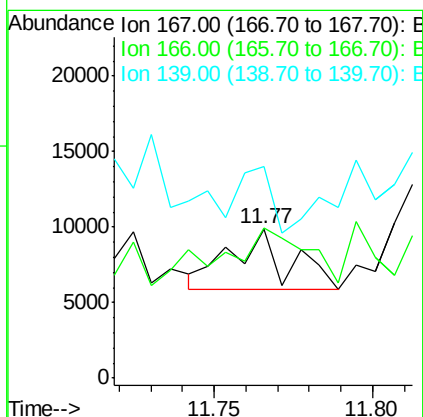
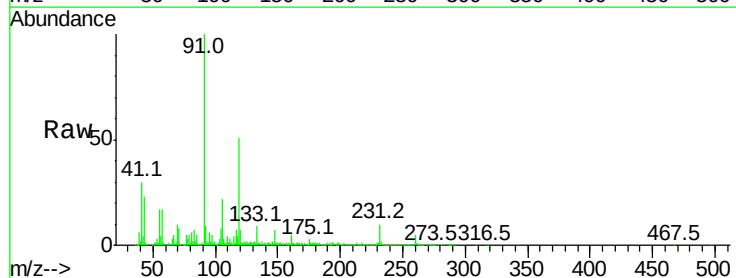
Tgt Ion:167 Resp: 5153

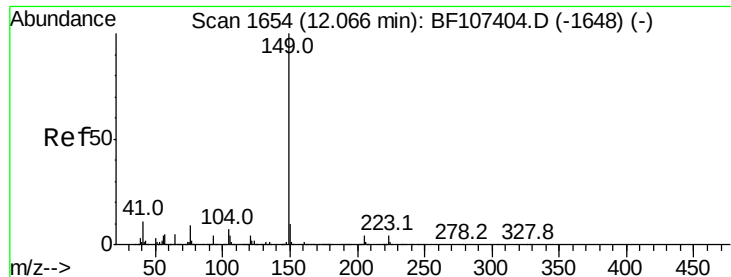
Ion Ratio Lower Upper

167 100

166 101.2 17.6 26.4#

139 142.0 10.9 16.3#





#73

Di-n-butylphthalate

Concen: 5.826 ng

RT: 12.10 min Scan# 1660

Delta R.T. 0.02 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

Instrument :

BNA_F

ClientSampleId :

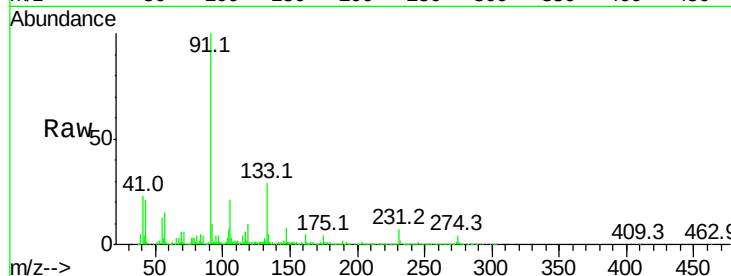
Tot Ion:149 Resp: 2868

Ion Ratio Lower Upper

149 100

150 34.1 7.8 11.6#

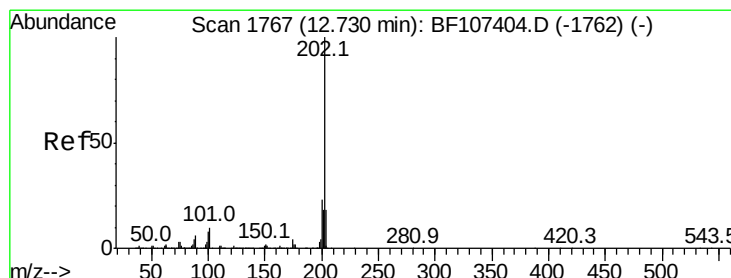
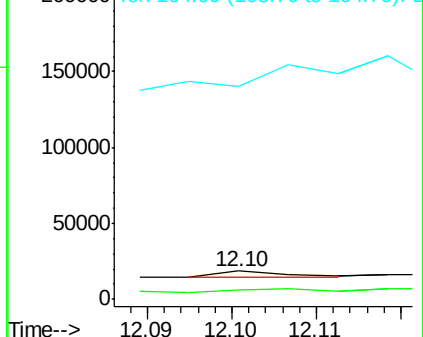
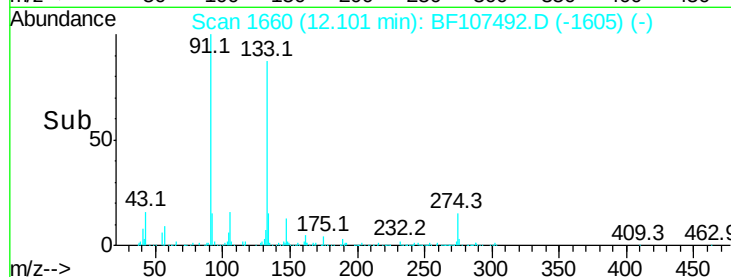
104 760.0 3.8 5.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 8.361 ng

RT: 12.75 min Scan# 1770

Delta R.T. 0.01 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

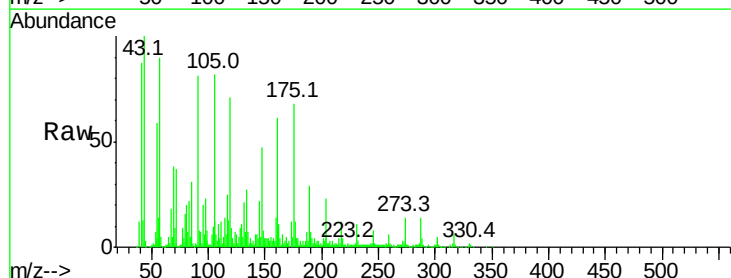
Tgt Ion:202 Resp: 4317

Ion Ratio Lower Upper

202 100

101 52.7 0.0 34.1#

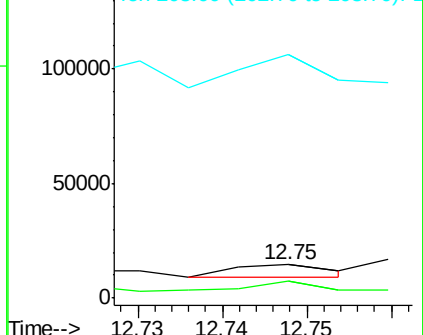
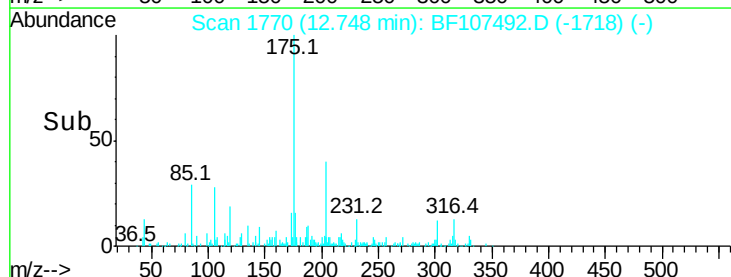
203 725.9 0.0 38.1#

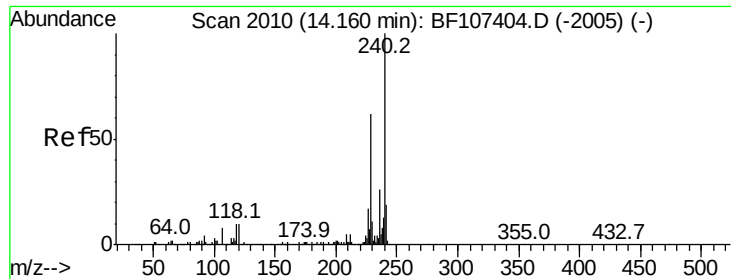


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.22 min Scan# 2020

Delta R.T. 0.04 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

Instrument :

BNA_F

ClientSampleId :

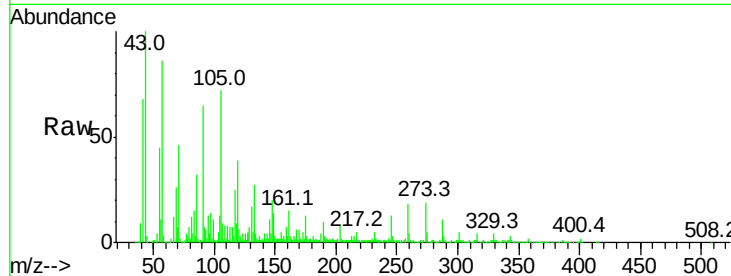
Tot Ion:240 Resp: 7210

Ion Ratio Lower Upper

240 100

120 828.2 9.5 14.3#

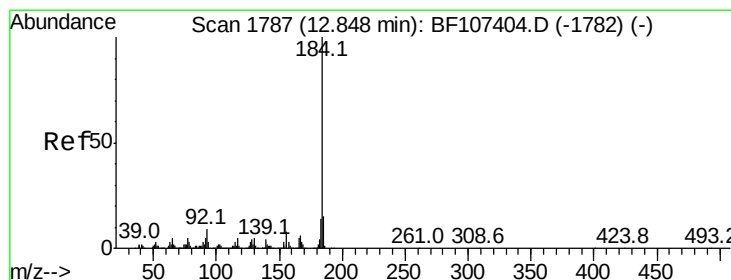
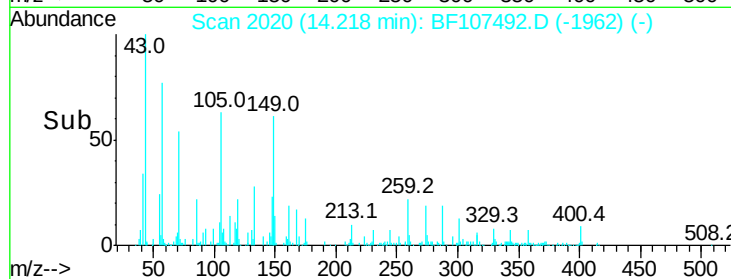
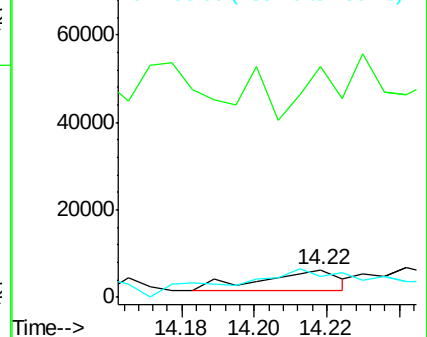
236 74.9 20.7 31.1#



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



#76

Benzidine

Concen: 7.044 ng

RT: 12.91 min Scan# 1798

Delta R.T. 0.05 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

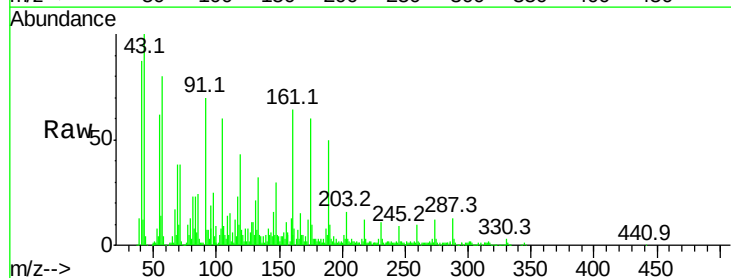
Tgt Ion:184 Resp: 1971

Ion Ratio Lower Upper

184 100

185 186.3 12.6 18.8#

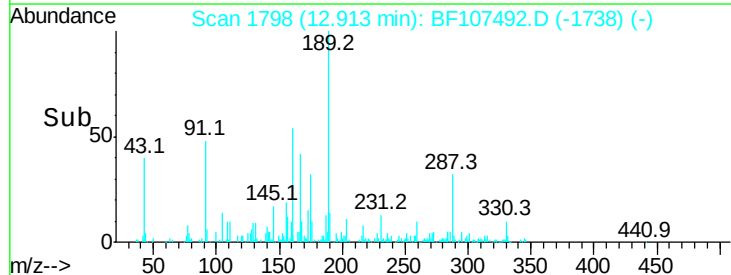
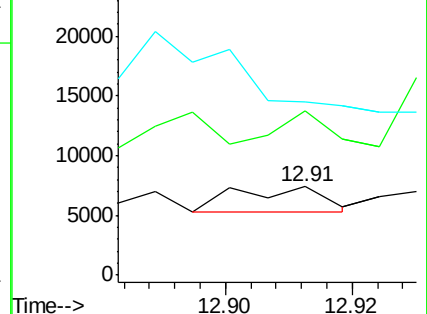
183 196.6 9.3 13.9#

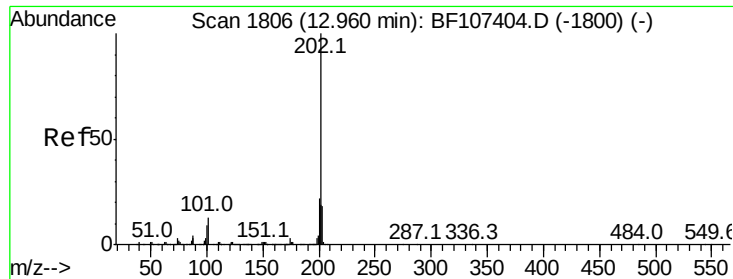


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 71.951 ng

RT: 13.02 min Scan# 1816

Delta R.T. 0.04 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

Instrument :

BNA_F

ClientSampleId :

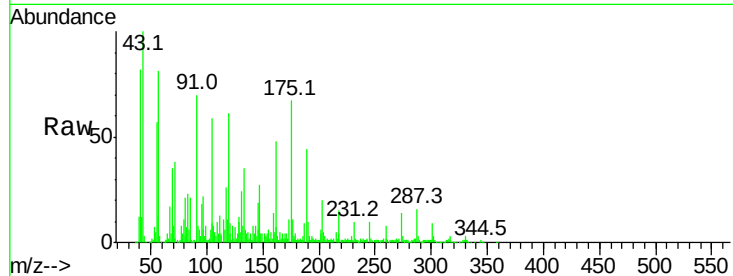
Tot Ion:202 Resp: 35277

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

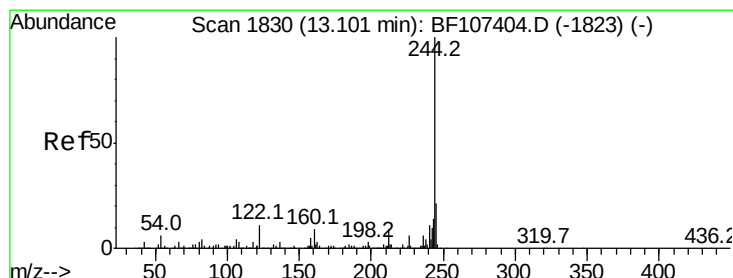
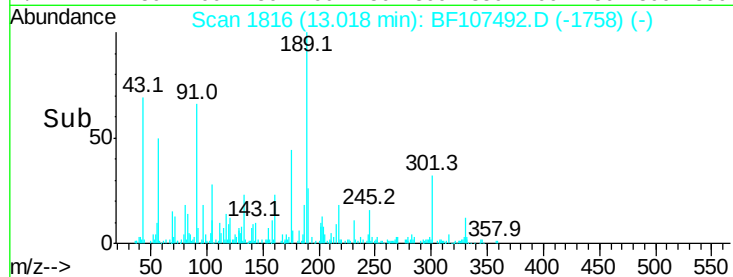
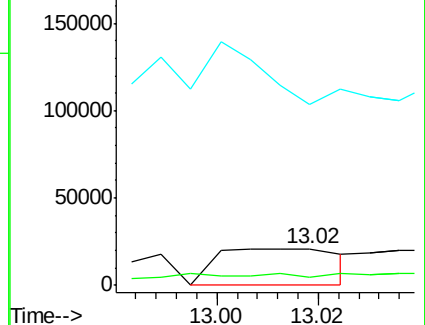
203 492.5 14.3 21.5#



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: 691.402 ng

RT: 13.19 min Scan# 1845

Delta R.T. 0.08 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

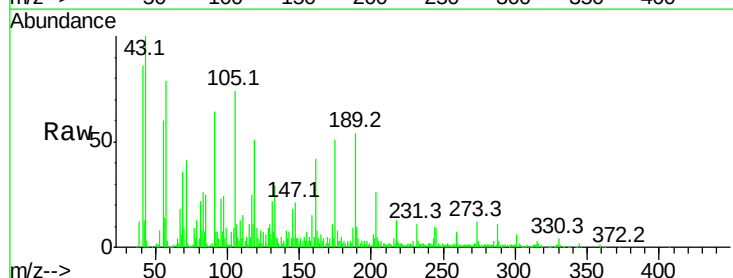
Tgt Ion:244 Resp: 200638

Ion Ratio Lower Upper

244 100

212 17.1 5.4 8.0#

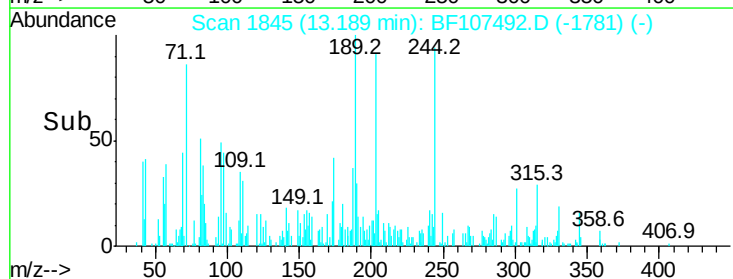
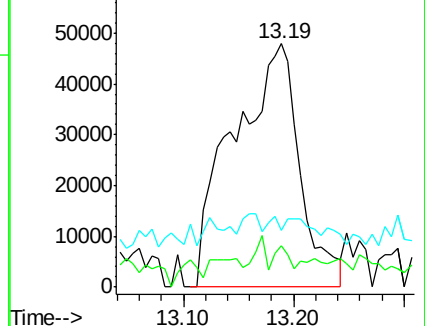
122 23.2 11.0 16.4#

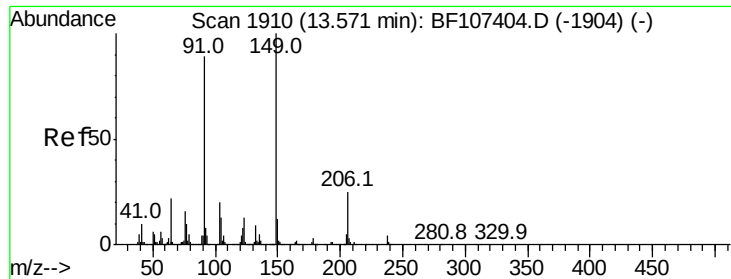


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

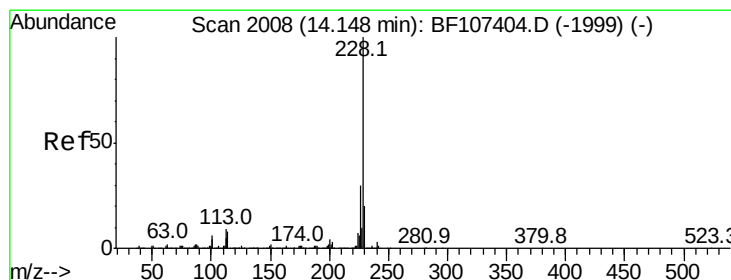
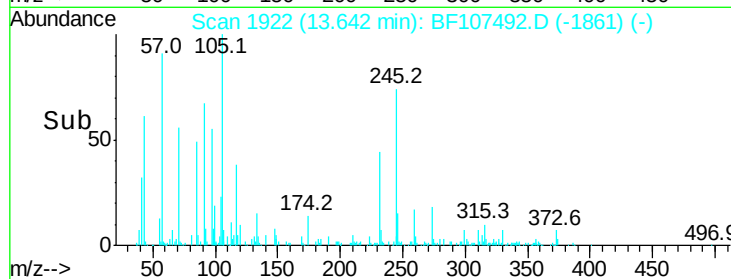
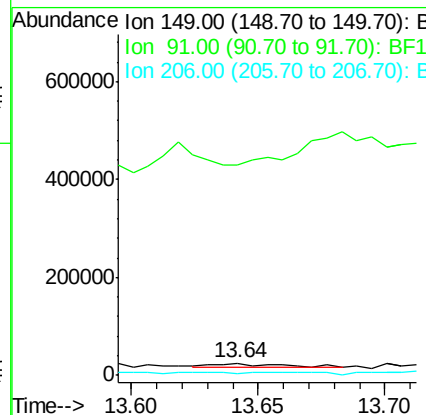
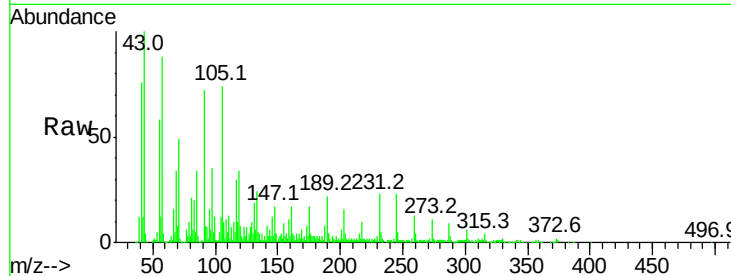




#79
Butylbenzylphthalate
Concen: 96.040 ng
RT: 13.64 min Scan# 1922
Delta R.T. 0.06 min
Lab File: BF107492.D
Acq: 19 Jul 2018 4:03

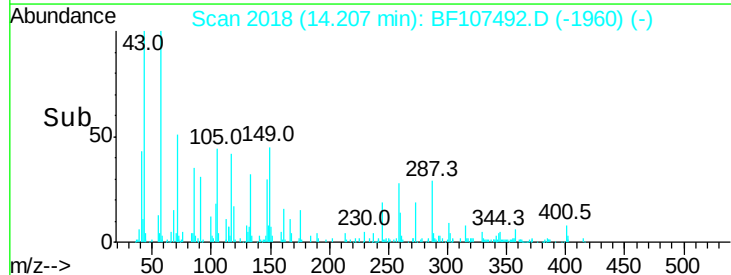
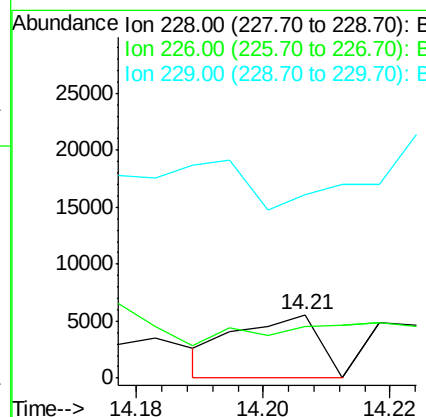
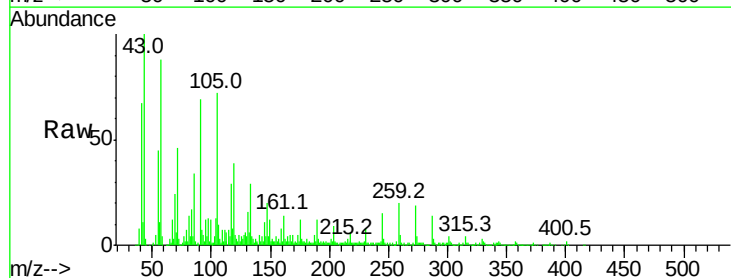
Instrument :
BNA_F
ClientSampleId :

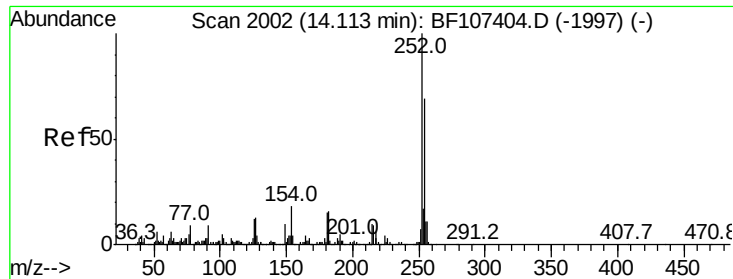
Tot Ion:149 Resp: 17152
Ion Ratio Lower Upper
149 100
91 1748.2 56.8 85.2#
206 16.7 14.1 21.1



#80
Benzo(a)anthracene
Concen: 11.375 ng
RT: 14.21 min Scan# 2018
Delta R.T. 0.04 min
Lab File: BF107492.D
Acq: 19 Jul 2018 4:03

Tgt Ion:228 Resp: 5018
Ion Ratio Lower Upper
228 100
226 81.0 22.6 33.8#
229 290.1 15.8 23.6#

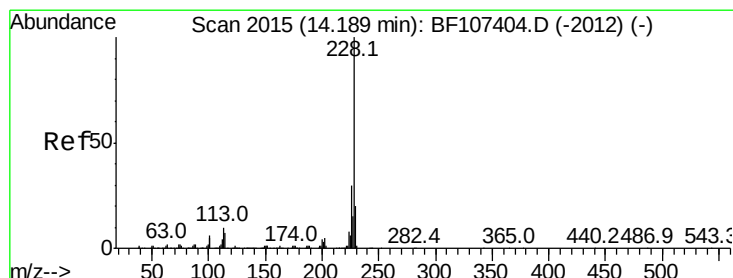
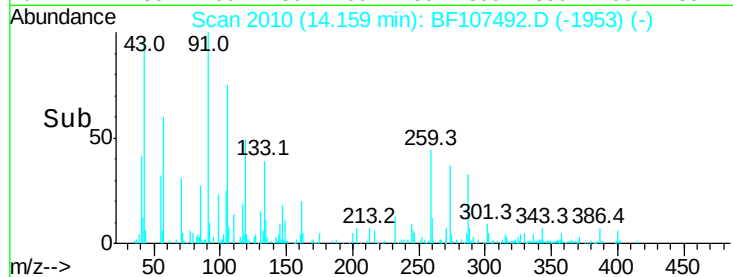
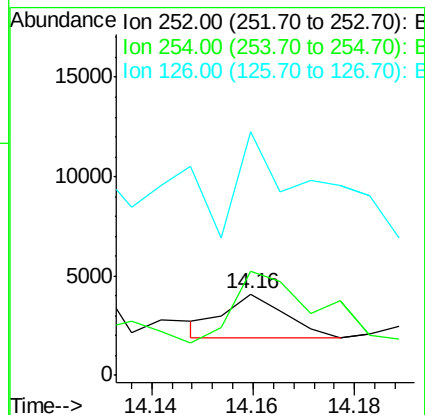
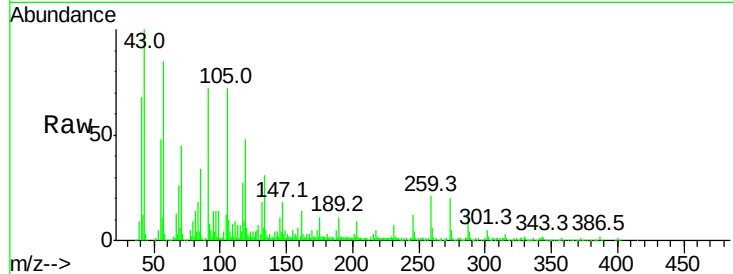




#81
 3,3'-Dichlorobenzidine
 Concen: 12.416 ng
 RT: 14.16 min Scan# 2010
 Delta R.T. 0.04 min
 Lab File: BF107492.D
 Acq: 19 Jul 2018 4:03

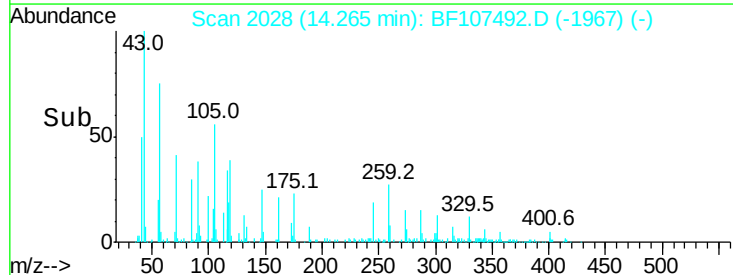
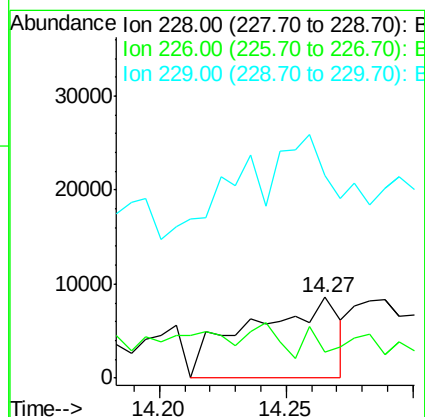
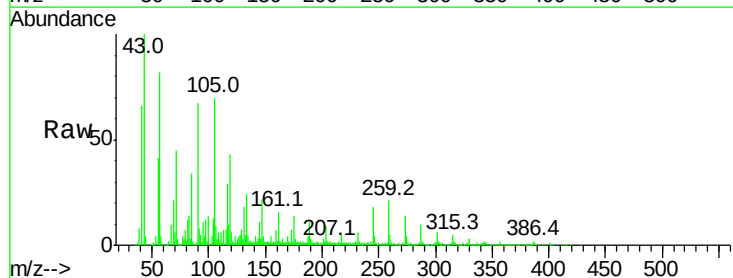
Instrument :
 BNA_F
 ClientSampleId :

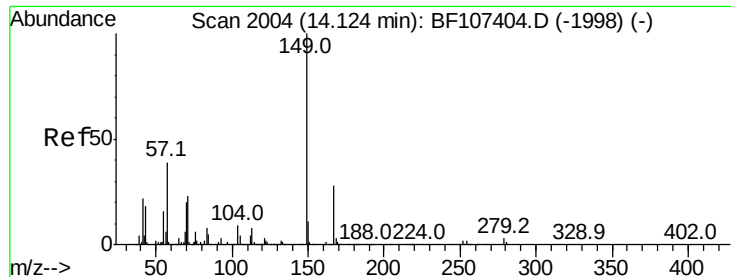
Tot Ion	Ratio	Lower	Upper
252	100		
254	128.5	50.4	75.6#
126	299.0	11.3	16.9#



#82
 Chrysene
 Concen: 49.633 ng
 RT: 14.27 min Scan# 2028
 Delta R.T. 0.06 min
 Lab File: BF107492.D
 Acq: 19 Jul 2018 4:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.8	25.0	37.6
229	250.4	16.2	24.4#





#83

Bis(2-ethylhexyl)phthalate

Concen: 1381.166 ng

RT: 14.22 min Scan# 2021

Delta R.T. 0.09 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

Instrument :

BNA_F

ClientSampleId :

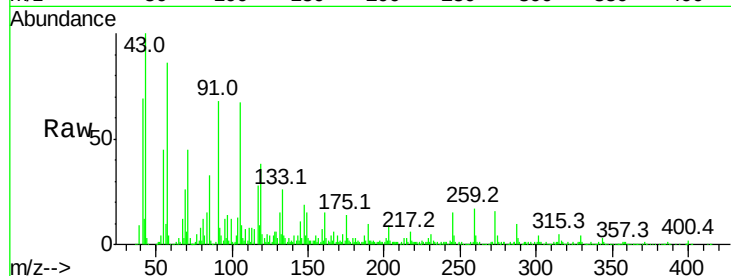
Tot Ion:149 Resp: 353473

Ion Ratio Lower Upper

149 100

167 40.8 21.3 31.9#

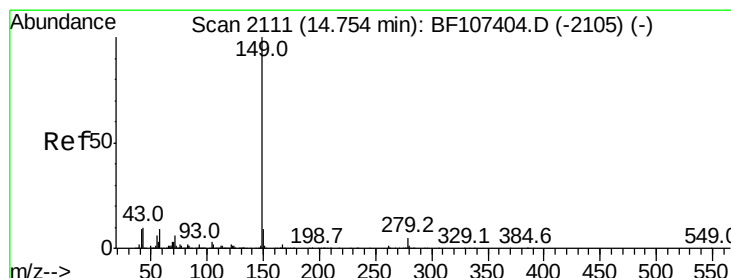
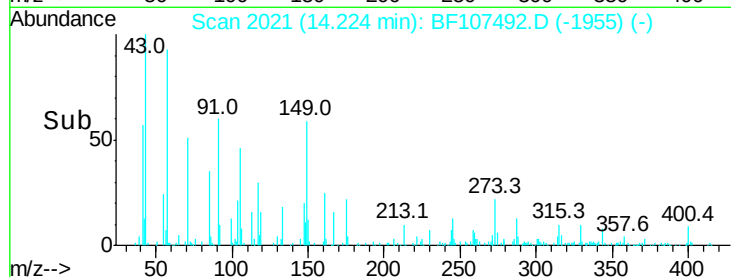
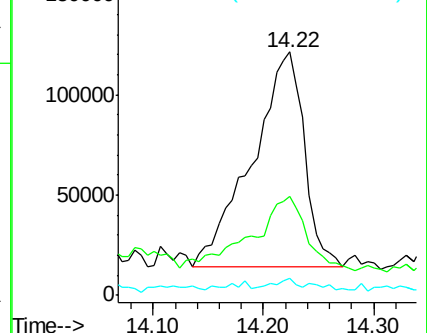
279 7.0 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 16.396 ng

RT: 14.79 min Scan# 2118

Delta R.T. 0.04 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

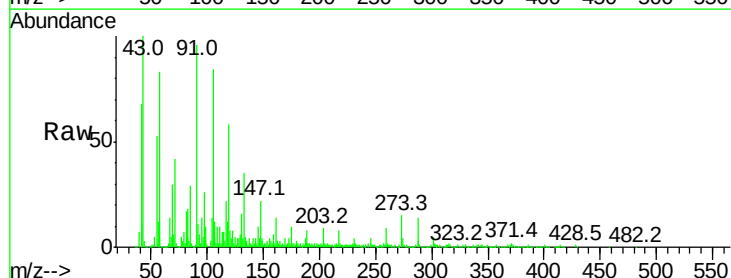
Tgt Ion:149 Resp: 6523

Ion Ratio Lower Upper

149 100

167 159.7 1.2 1.8#

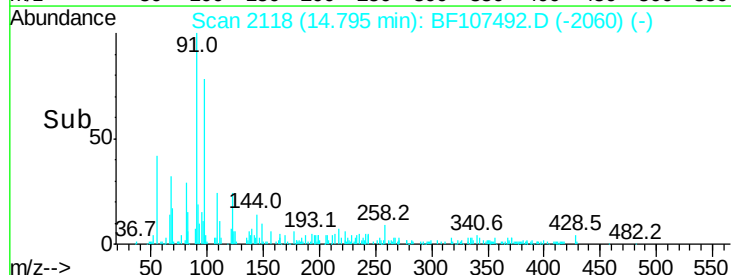
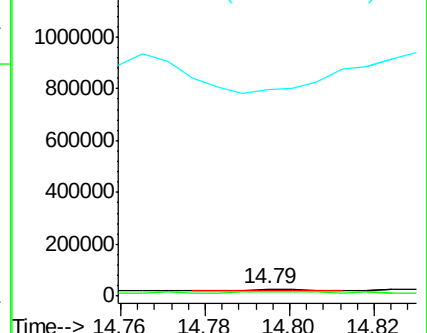
43 0.0 8.4 12.6#

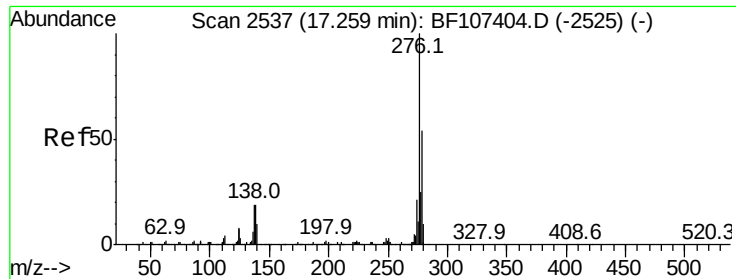


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

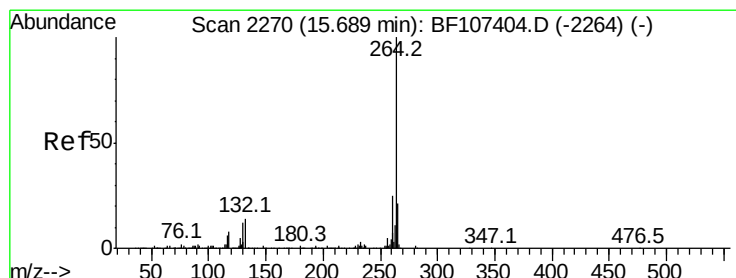
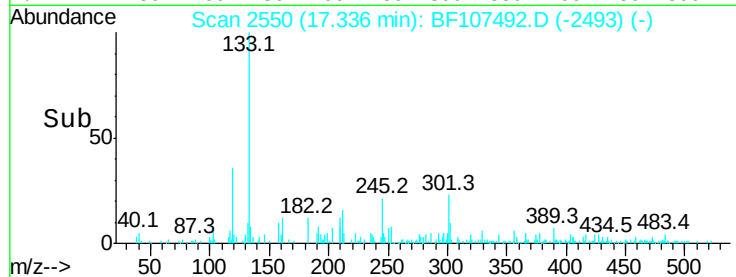
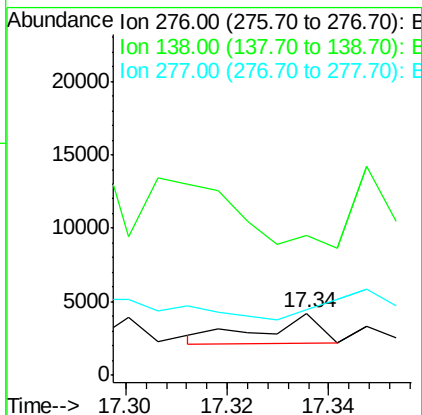
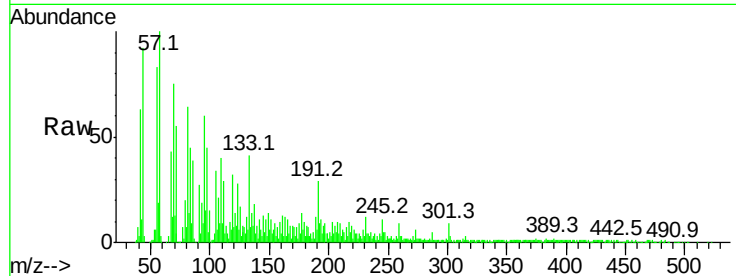




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.214 ng
RT: 17.34 min Scan# 2550
Delta R.T. 0.04 min
Lab File: BF107492.D
Acq: 19 Jul 2018 4:03

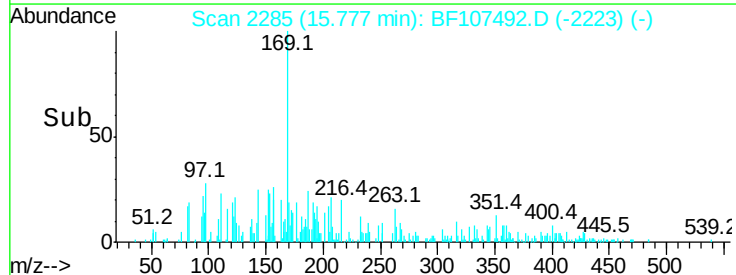
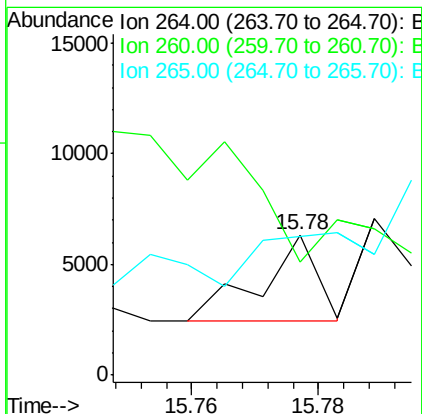
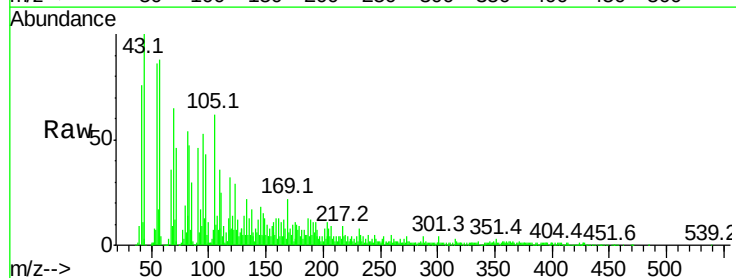
Instrument :
BNA_F
ClientSampleId :

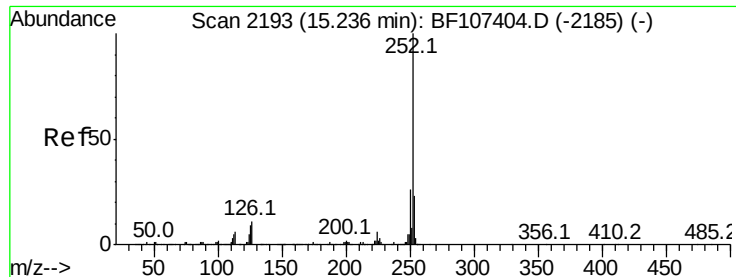
Tot Ion	Ratio	Lower	Upper
276	100		
138	0.0	25.0	37.6#
277	280.4	20.1	30.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.78 min Scan# 2285
Delta R.T. 0.06 min
Lab File: BF107492.D
Acq: 19 Jul 2018 4:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	80.4	19.2	28.8#
265	99.1	17.5	26.3#

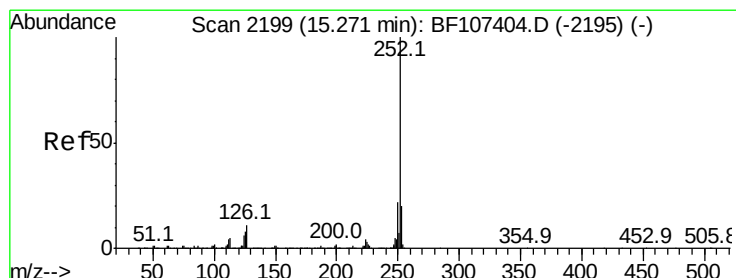
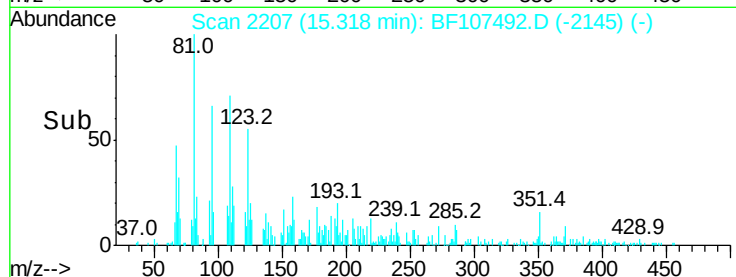
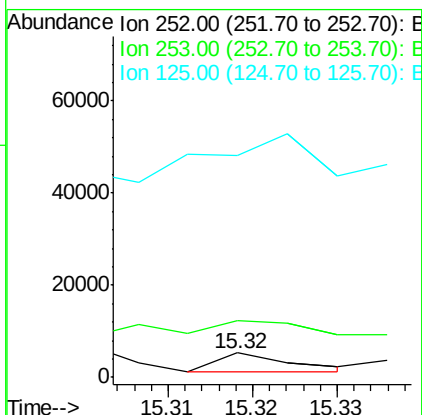
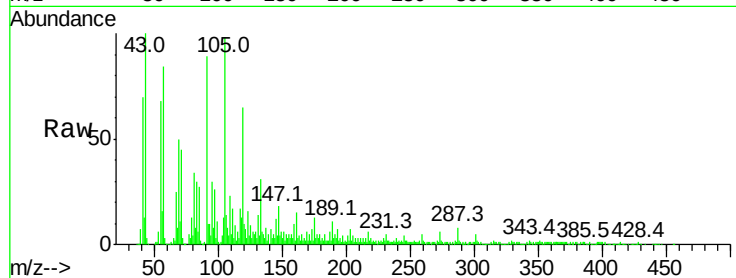




#87
Benzo(b)fluoranthene
Concen: 17.685 ng
RT: 15.32 min Scan# 2207
Delta R.T. 0.06 min
Lab File: BF107492.D
Acq: 19 Jul 2018 4:03

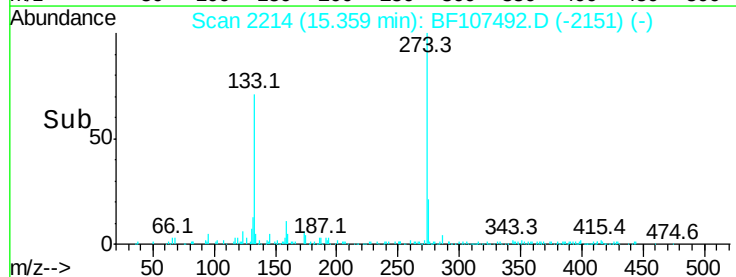
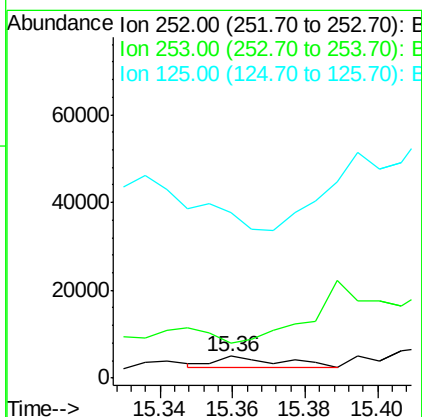
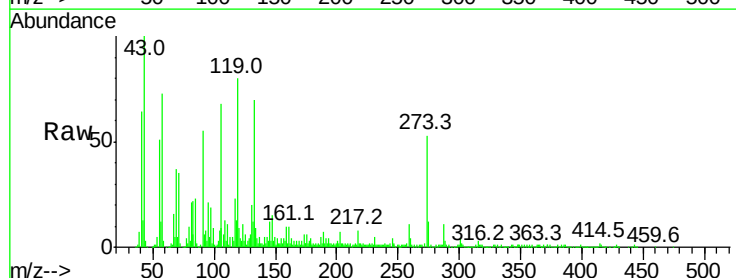
Instrument :
BNA_F
ClientSampleId :

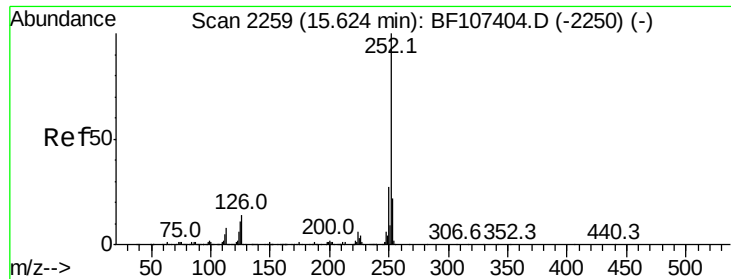
Tot Ion:252 Resp: 2504
Ion Ratio Lower Upper
252 100
253 232.2 17.0 25.6#
125 915.1 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 21.371 ng
RT: 15.36 min Scan# 2214
Delta R.T. 0.07 min
Lab File: BF107492.D
Acq: 19 Jul 2018 4:03

Tgt Ion:252 Resp: 2953
Ion Ratio Lower Upper
252 100
253 161.7 17.9 26.9#
125 751.3 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 48.163 ng

RT: 15.72 min Scan# 2276

Delta R.T. 0.08 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

Instrument :

BNA_F

ClientSampled :

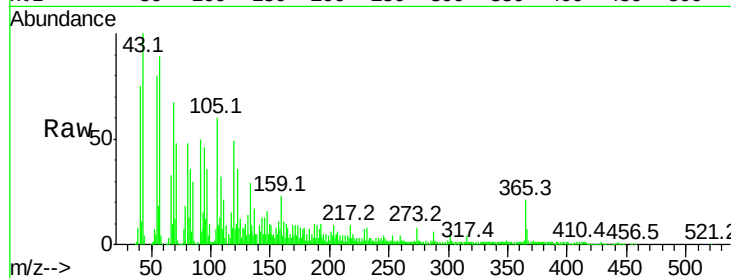
Tot Ion:252 Resp: 6259

Ion Ratio Lower Upper

252 100

253 200.0 17.1 25.7#

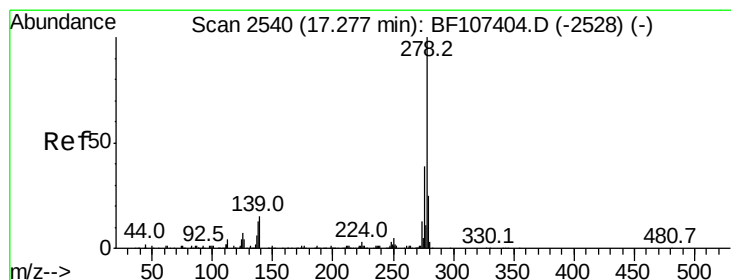
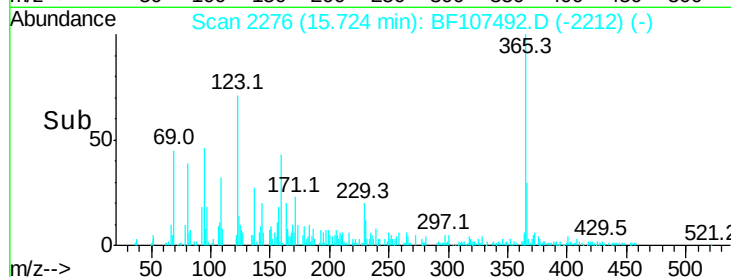
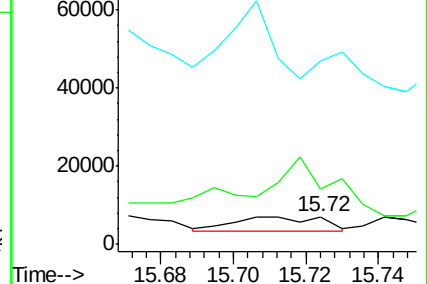
125 655.7 9.8 14.6#



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: 6.638 ng

RT: 17.39 min Scan# 2559

Delta R.T. 0.08 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

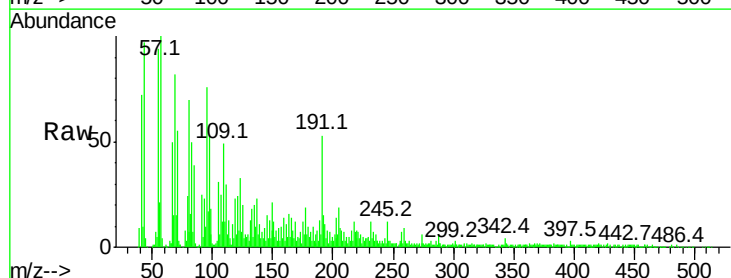
Tgt Ion:278 Resp: 651

Ion Ratio Lower Upper

278 100

139 707.2 15.9 23.9#

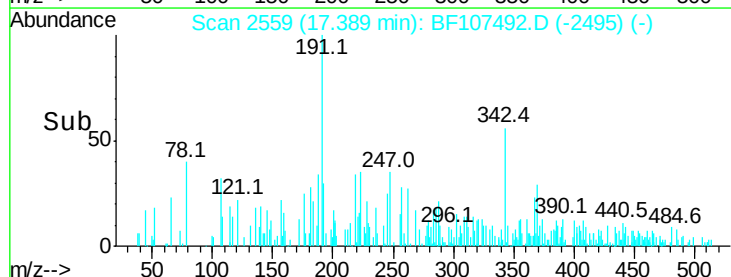
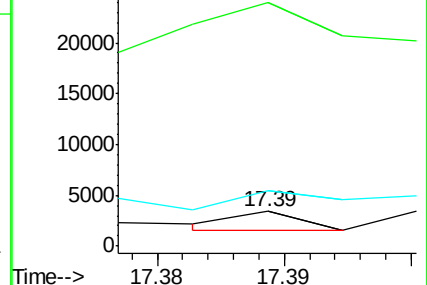
279 162.8 19.0 28.4#

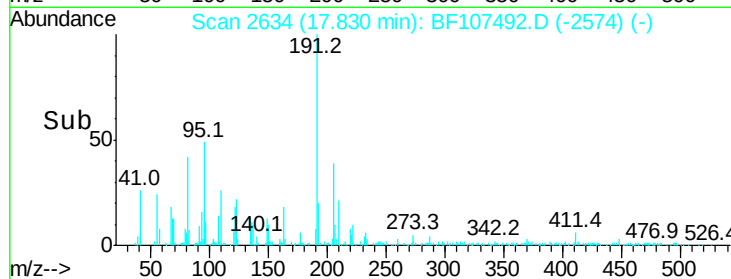
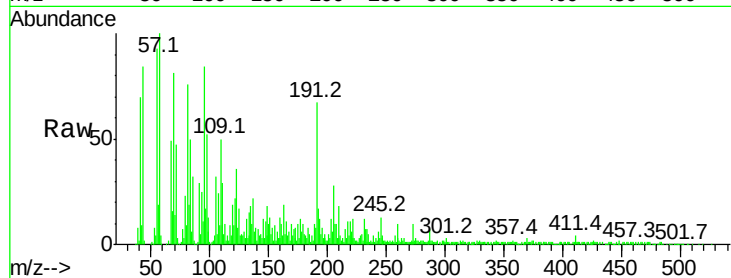
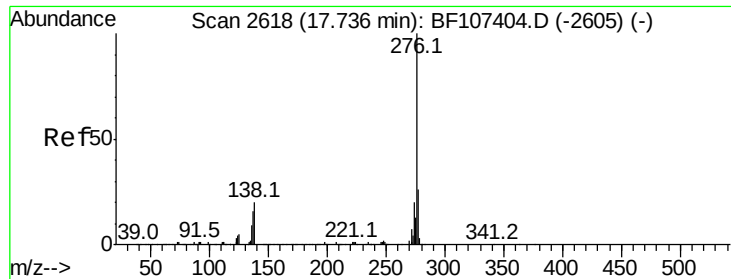


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 33.404 ng

RT: 17.83 min Scan# 2634

Delta R.T. 0.05 min

Lab File: BF107492.D

Acq: 19 Jul 2018 4:03

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 3329

Ion Ratio Lower Upper

276 100

277 90.4 17.9 26.9#

138 338.9 21.8 32.8#

