

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080318\
 Data File : BF107968.D
 Acq On : 4 Aug 2018 5:27
 Operator : JU/SJ
 Sample : J4297-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Aug 06 01:02:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	91674	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	126755	20.00	ng	0.02
38) Acenaphthene-d10	10.04	164	137401	20.00	ng	0.03
63) Phenanthrene-d10	11.53	188	160834	20.00	ng	0.03
75) Chrysene-d12	14.15	240	254718	20.00	ng	0.00
86) Perylene-d12	15.69	264	201172	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	701348	130.02	ng	0.00
7) Phenol-d6	6.60	99	839517	118.09	ng	0.00
23) Nitrobenzene-d5	7.53	82	280353	127.42	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	128376	68.76	ng	0.04
44) 2-Fluorobiphenyl	9.34	172	614588	62.33	ng	0.02
78) Terphenyl-d14	13.09	244	859174	73.14	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.81	88	222	5.871	ng	# 1
9) Benzaldehyde	6.51	77	12855	2.997	ng	# 1
10) Phenol	6.62	94	17884	2.110	ng	# 1
15) Benzyl Alcohol	7.11	79	17973	4.068	ng	# 44
18) Hexachloroethane	7.44	117	37923	13.337	ng	# 1
19) n-Nitroso-di-n-propylamine	7.38	70	53853	11.942	ng	# 68
22) Acetophenone	7.42	105	76708	25.154	ng	# 52
24) Nitrobenzene	7.60	77	73790	31.984	ng	# 40
25) Isophorone	7.77	82	91508	25.337	ng	# 1
26) 2-Nitrophenol	7.87	139	13811	11.928	ng	# 1
27) 2,4-Dimethylphenol	7.90	122	17809	11.488	ng	# 1
28) bis(2-Chloroethoxy)methane	8.01	93	27966	11.750	ng	# 1
29) 2,4-Dichlorophenol	8.09	162	19148	10.920	ng	# 1
31) Naphthalene	8.28	128	223299	37.898	ng	# 48
32) Benzoic acid	8.04	122	15886	16.180	ng	# 1
33) 4-Chloroaniline	8.37	127	32285	12.828	ng	# 40
35) Caprolactam	8.69	113	317874	602.198	ng	# 16
36) 4-Chloro-3-methylphenol	8.80	107	57963	30.438	ng	# 32
37) 2-Methylnaphthalene	9.00	142	2126663	574.599	ng	# 95
42) 2,4,6-Trichlorophenol	9.24	196	8564	3.307	ng	# 20
43) 2,4,5-Trichlorophenol	9.31	196	6628	2.126	ng	# 1
45) 1,1'-Biphenyl	9.46	154	127771	10.218	ng	# 90
47) 2-Nitroaniline	9.59	65	30045	9.796	ng	# 1
48) Acenaphthylene	9.90	152	81278	5.560	ng	# 1
49) Dimethylphthalate	9.73	163	43374	4.203	ng	# 71
50) 2,6-Dinitrotoluene	9.79	165	42334	18.878	ng	# 67
51) Acenaphthene	10.07	154	94323	11.108	ng	# 42
52) 3-Nitroaniline	10.02	138	17884	6.329	ng	# 40
53) 2,4-Dinitrophenol	10.14	184	1386	9.489	ng	# 1
54) Dibenzofuran	10.25	168	86148	6.564	ng	# 1
55) 4-Nitrophenol	10.14	139	80328	62.681	ng	# 48
56) 2,4-Dinitrotoluene	10.25	165	70293	23.849	ng	# 62
57) Fluorene	10.59	166	166800	16.352	ng	# 76
62) Azobenzene	10.73	77	27862	2.696	ng	# 1

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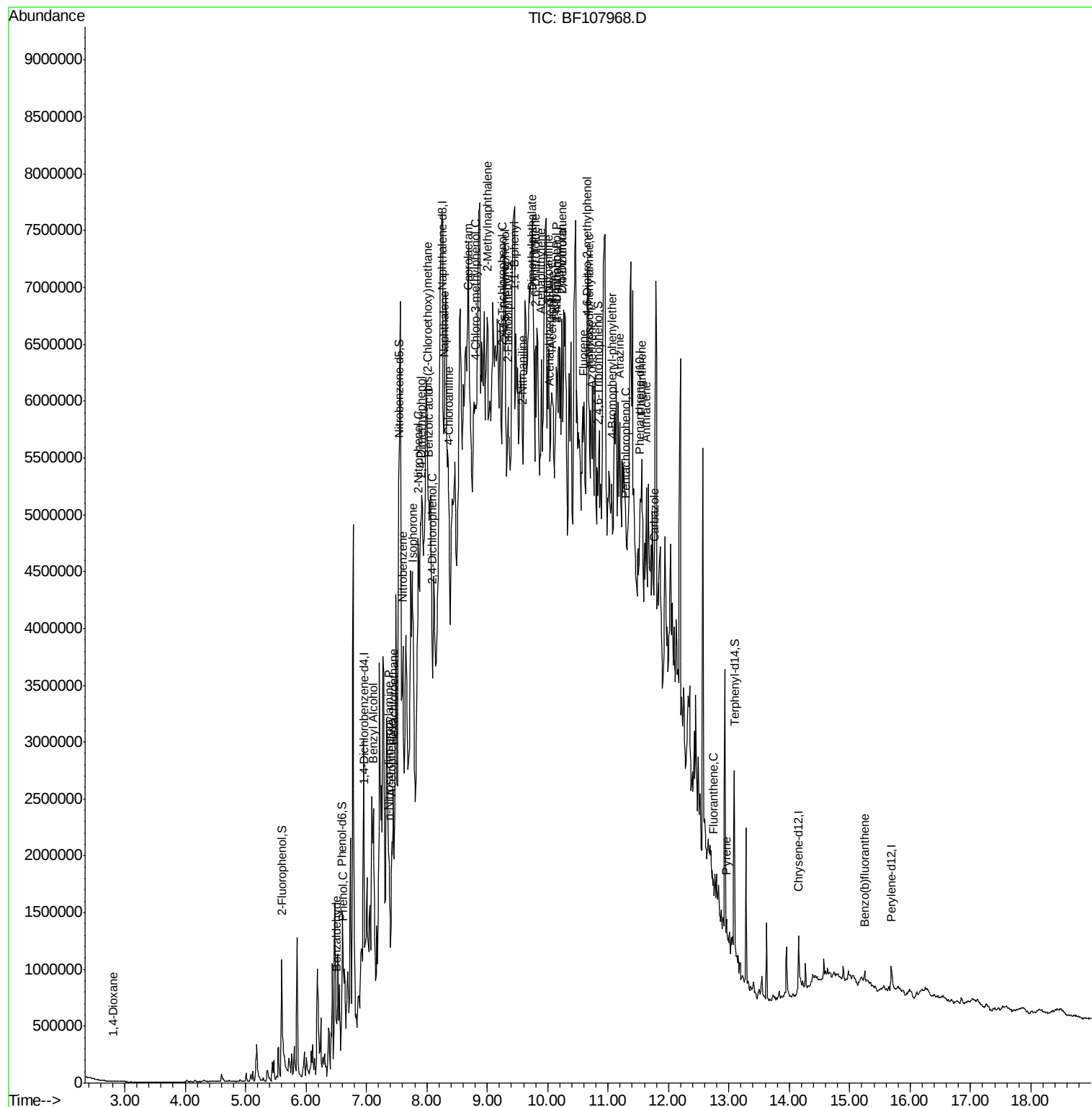
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 4,6-Dinitro-2-methylphenol	10.64	198	3459	3.953	ng	# 1
65) n-Nitrosodiphenylamine	10.70	169	455399	85.992	ng	# 48
66) 4-Bromophenyl-phenylether	11.06	248	3987	2.127	ng	# 1
68) Atrazine	11.19	200	3794	2.421	ng	# 1
69) Pentachlorophenol	11.31	266	2864	2.799	ng	# 47
70) Phenanthrene	11.55	178	608032	79.618	ng	# 93
71) Anthracene	11.64	178	149621	16.986	ng	# 1
72) Carbazole	11.76	167	33663	3.867	ng	# 1
74) Fluoranthene	12.74	202	36894	4.112	ng	# 72
77) Pyrene	12.97	202	40219	2.193	ng	# 66
87) Benzo(b)fluoranthene	15.24	252	21944	2.212	ng	# 1

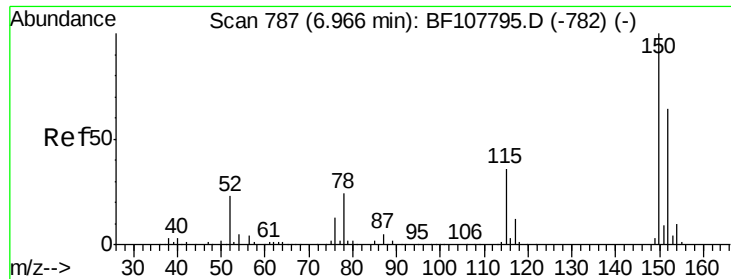
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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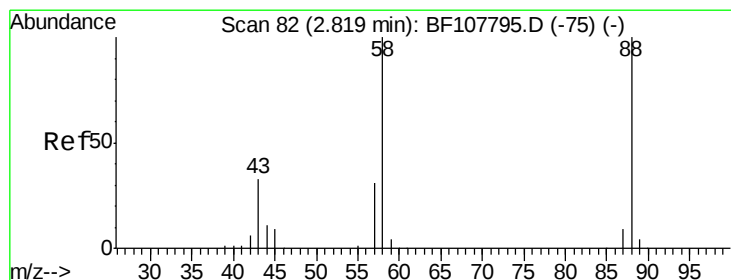
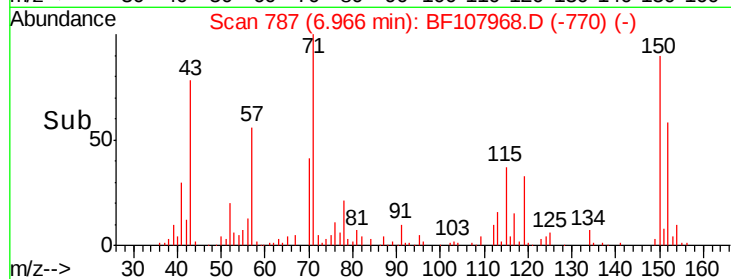
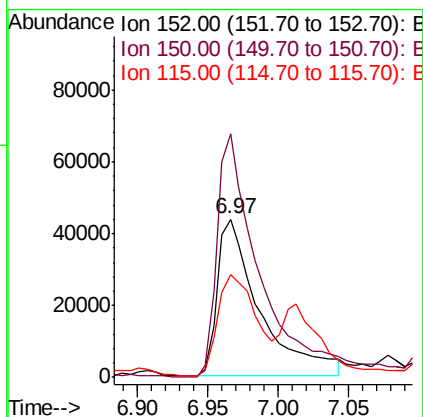
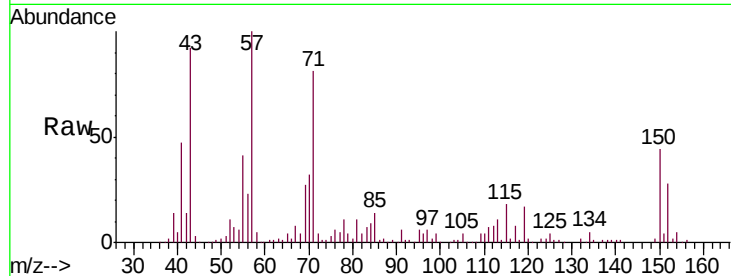


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF107968.D
Acq: 4 Aug 2018 5:27

Instrument :
BNA_F
ClientSampleId :
TP-2

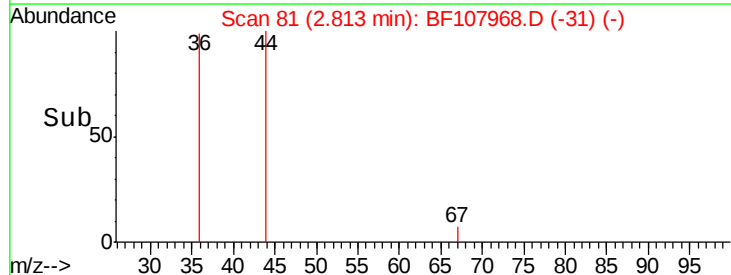
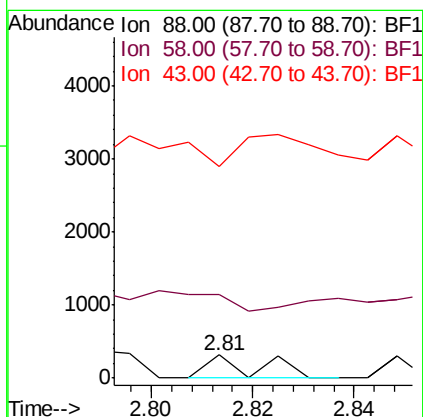
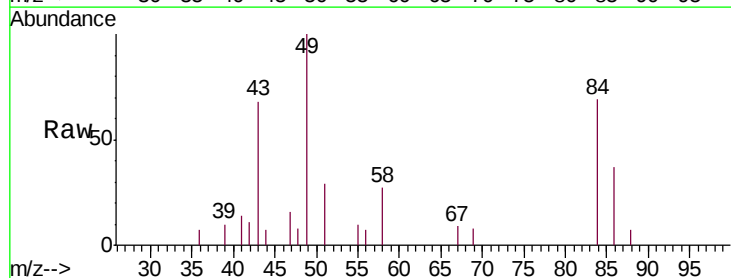
Tgt Ion:152 Resp: 91674
Ion Ratio Lower Upper
152 100
150 154.0 124.6 186.8
115 64.8 50.1 75.1

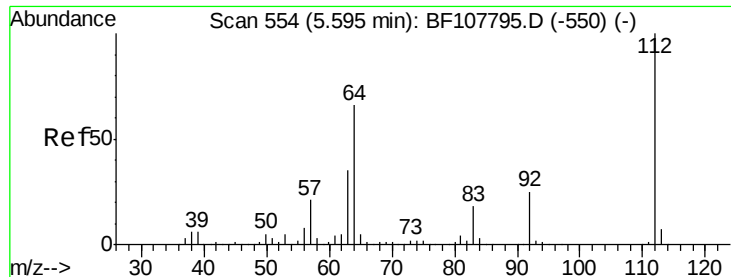


#2

1,4-Dioxane
Concen: 5.871 ng
RT: 2.81 min Scan# 81
Delta R.T. -0.01 min
Lab File: BF107968.D
Acq: 4 Aug 2018 5:27

Tgt Ion: 88 Resp: 222
Ion Ratio Lower Upper
88 100
58 0.0 62.6 93.8#
43 223.4 24.6 37.0#





#5

2-Fluorophenol

Concen: 130.023 ng

RT: 5.60 min Scan# 554

Delta R.T. 0.00 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

Instrument :

BNA_F

ClientSampleId :

TP-2

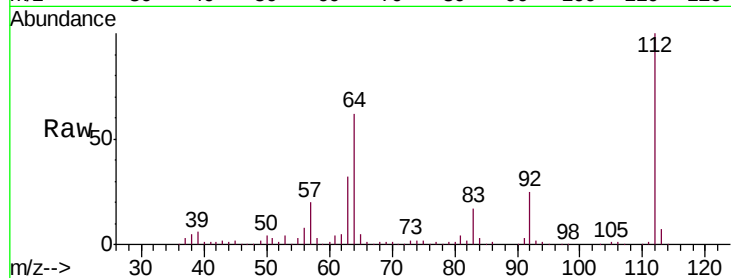
Tgt Ion: 112 Resp: 701348

Ion Ratio Lower Upper

112 100

64 62.5 47.9 71.9

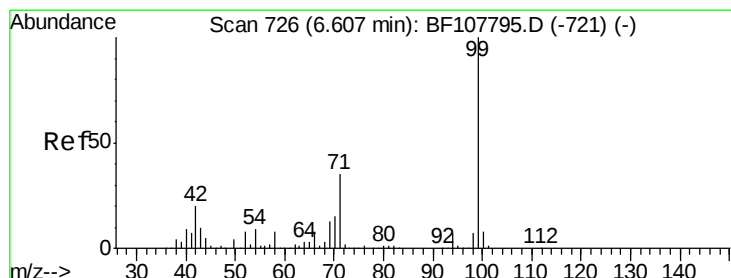
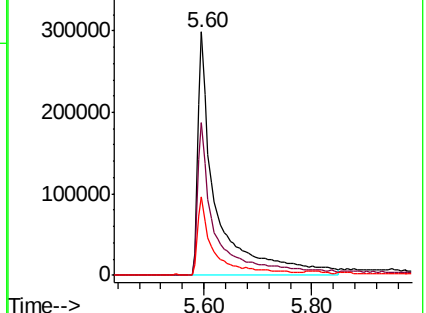
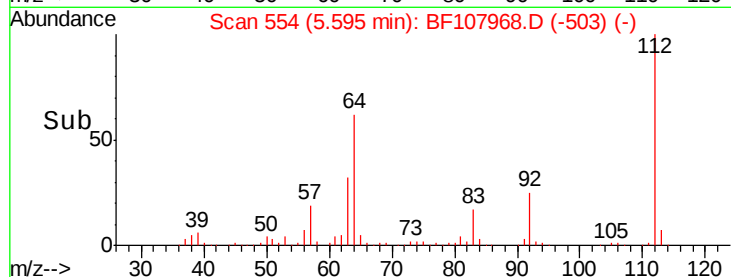
63 32.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 118.092 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

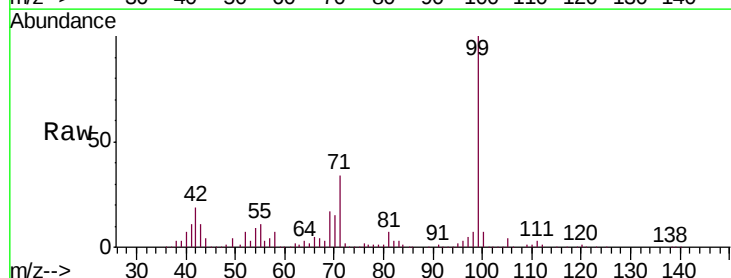
Tgt Ion: 99 Resp: 839517

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

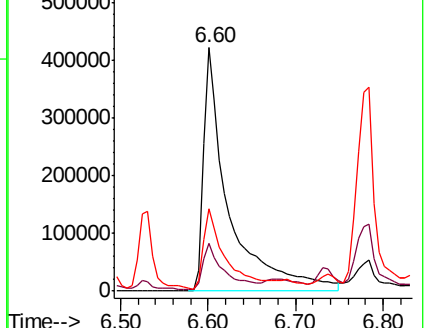
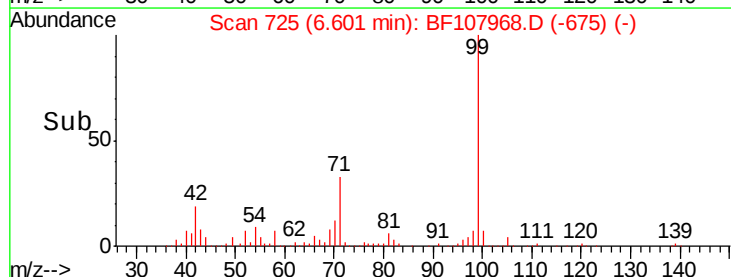
71 33.7 25.4 38.0

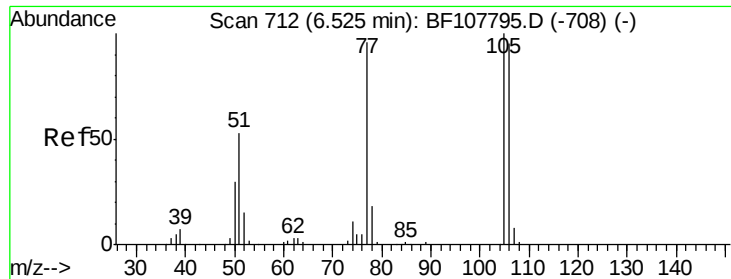


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 2.997 ng

RT: 6.51 min Scan# 709

Delta R.T. -0.02 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

Instrument :

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ClientSampled :

TP-2

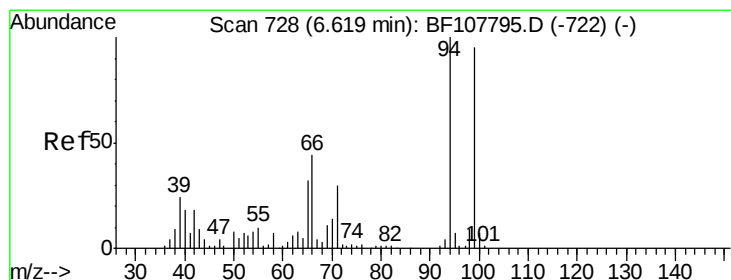
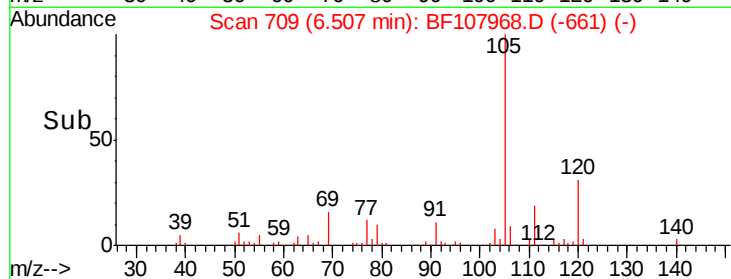
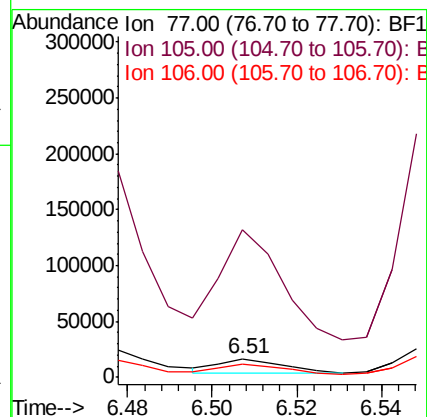
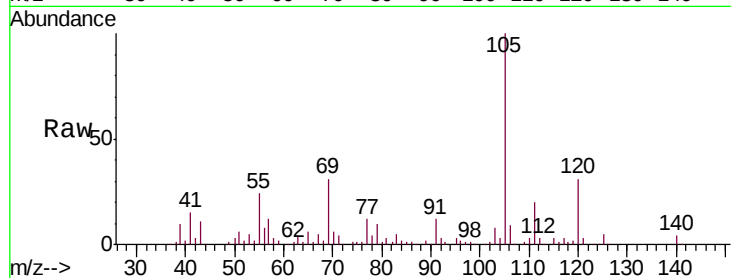
Tgt Ion: 77 Resp: 12855

Ion Ratio Lower Upper

77 100

105 807.5 81.1 121.1#

106 71.9 74.5 114.5#



#10

Phenol

Concen: 2.110 ng

RT: 6.62 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

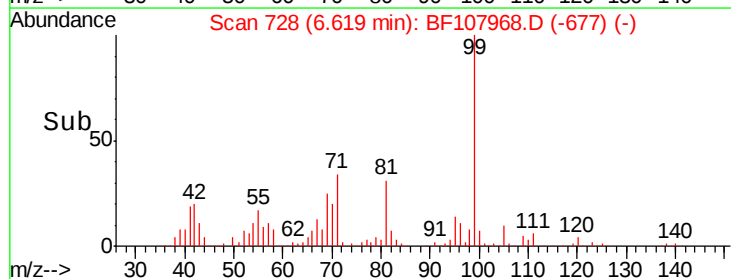
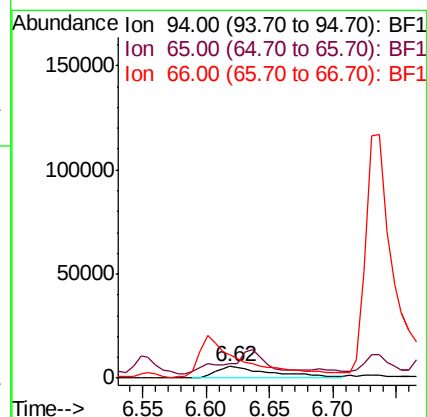
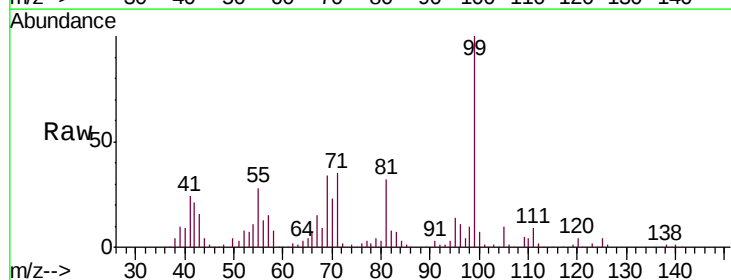
Tgt Ion: 94 Resp: 17884

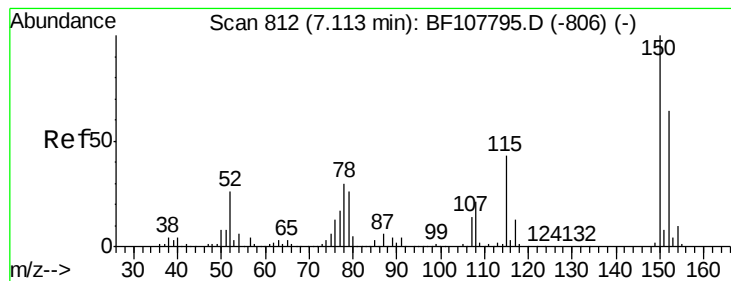
Ion Ratio Lower Upper

94 100

65 126.7 7.9 47.9#

66 203.6 16.2 56.2#





#15

Benzyl Alcohol

Concen: 4.068 ng

RT: 7.11 min Scan# 812

Delta R.T. 0.00 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

Instrument :

BNA_F

ClientSampled :

TP-2

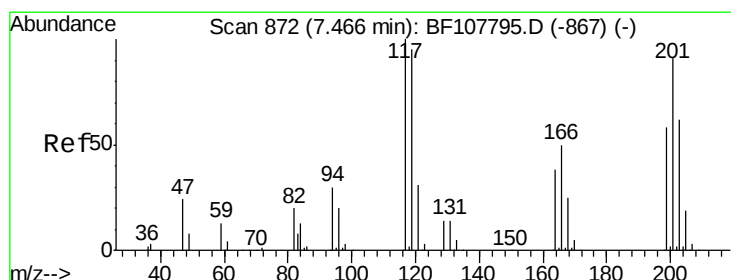
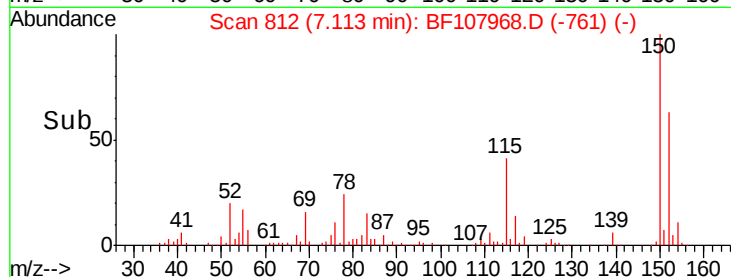
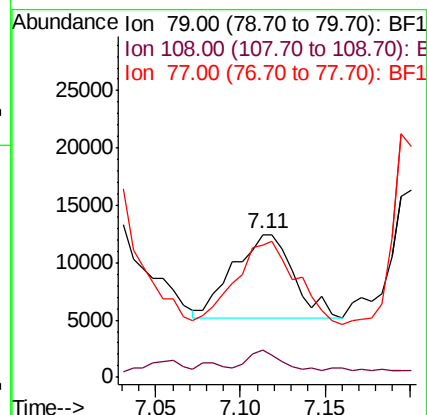
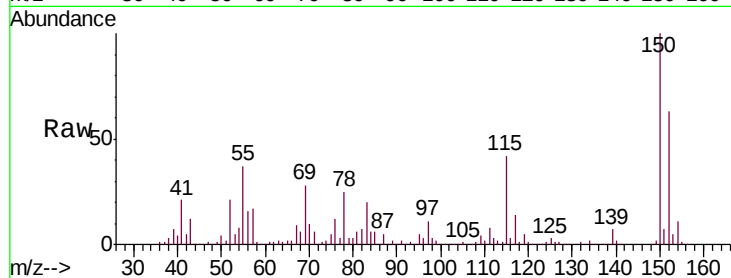
Tgt Ion: 79 Resp: 17973

Ion Ratio Lower Upper

79 100

108 18.8 65.1 97.7#

77 92.6 50.6 75.8#



#18

Hexachloroethane

Concen: 13.337 ng

RT: 7.44 min Scan# 868

Delta R.T. -0.02 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

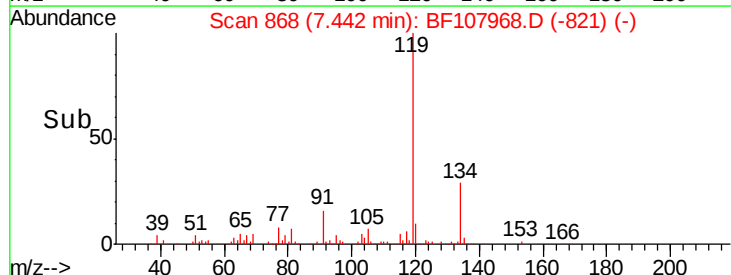
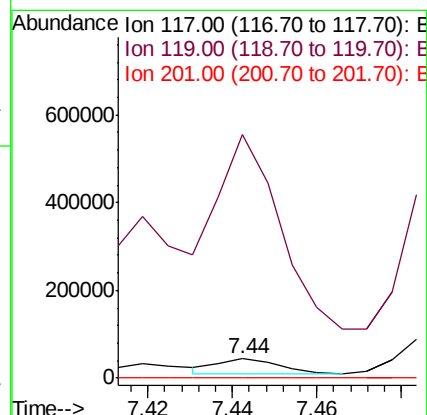
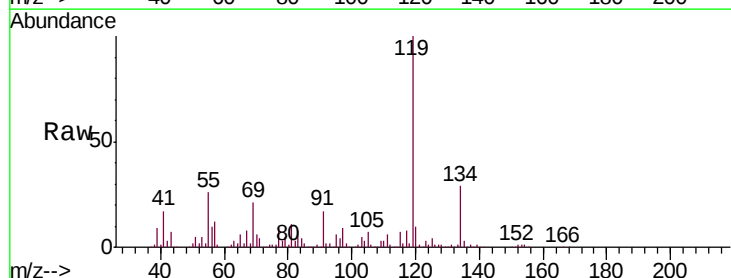
Tgt Ion: 117 Resp: 37923

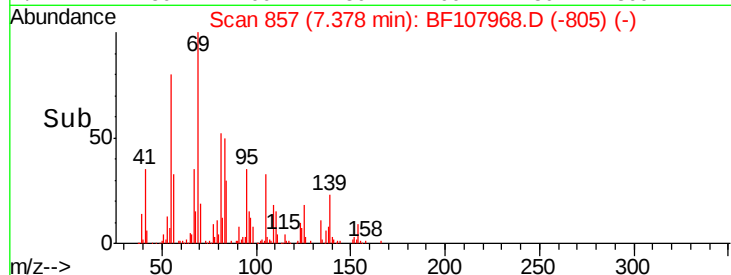
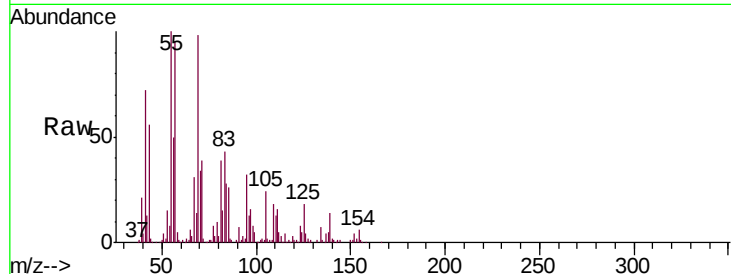
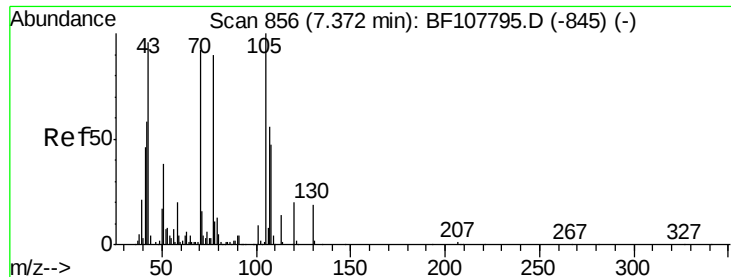
Ion Ratio Lower Upper

117 100

119 1246.6 75.8 113.8#

201 0.0 75.7 113.5#

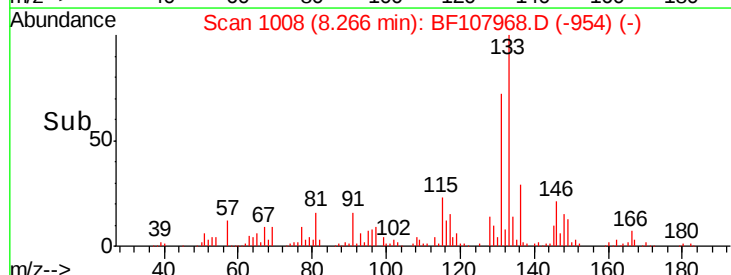
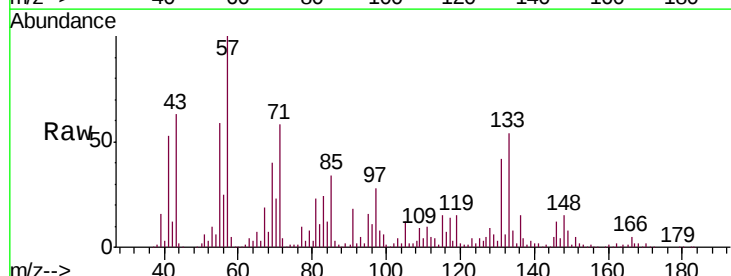
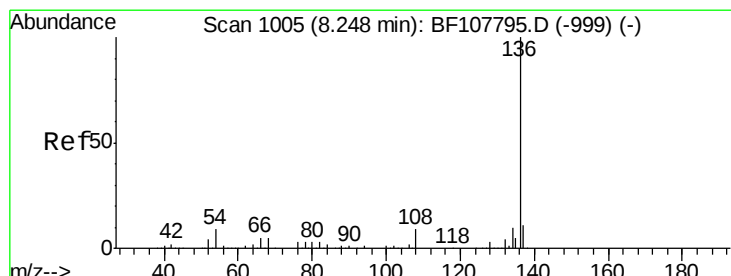
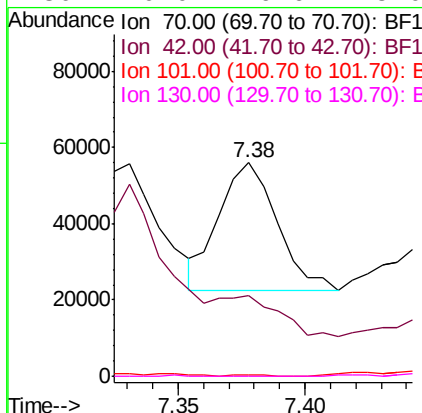




#19
n-Nitroso-di-n-propylamine
Concen: 11.942 ng
RT: 7.38 min Scan# 857
Delta R.T. 0.01 min
Lab File: BF107968.D
Acq: 4 Aug 2018 5:27

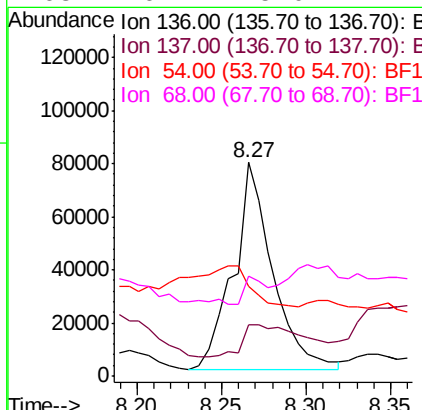
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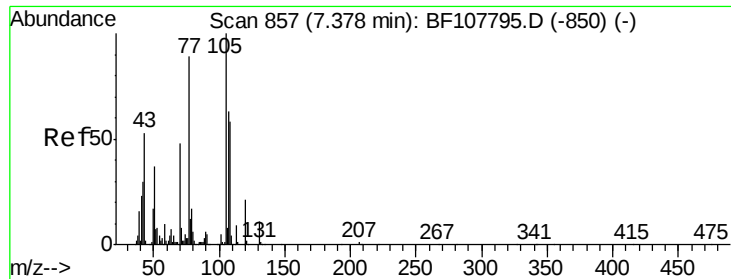
Tgt Ion: 70 Resp: 53853
Ion Ratio Lower Upper
70 100
42 38.0 47.5 71.3#
101 0.8 7.4 11.2#
130 0.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.27 min Scan# 1008
Delta R.T. 0.02 min
Lab File: BF107968.D
Acq: 4 Aug 2018 5:27

Tgt Ion: 136 Resp: 126755
Ion Ratio Lower Upper
136 100
137 23.9 8.9 13.3#
54 42.1 6.6 9.8#
68 46.7 5.0 7.4#

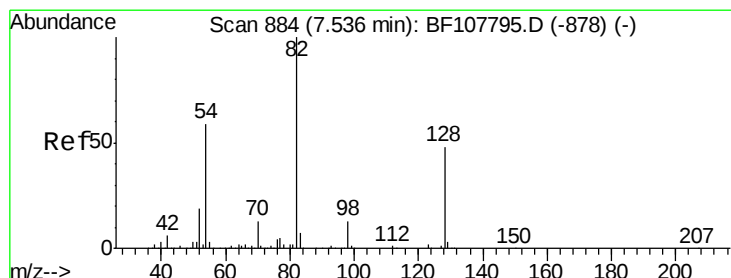
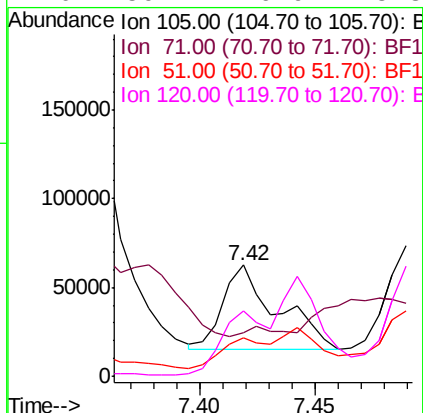
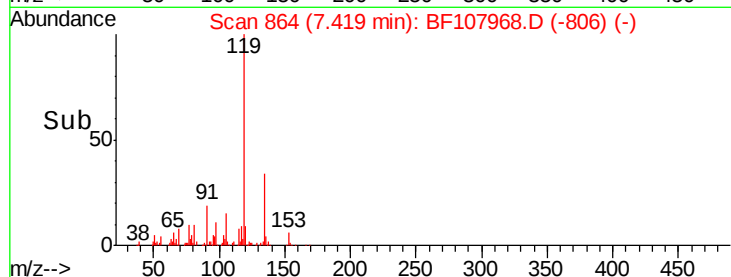
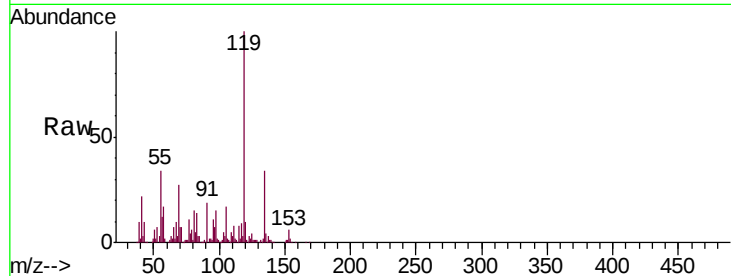




#22
Acetophenone
Concen: 25.154 ng
RT: 7.42 min Scan# 864
Delta R.T. 0.04 min
Lab File: BF107968.D
Acq: 4 Aug 2018 5:27

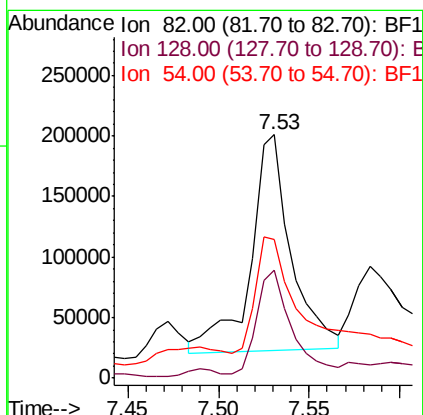
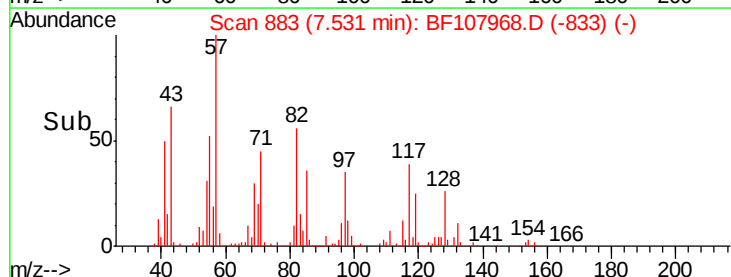
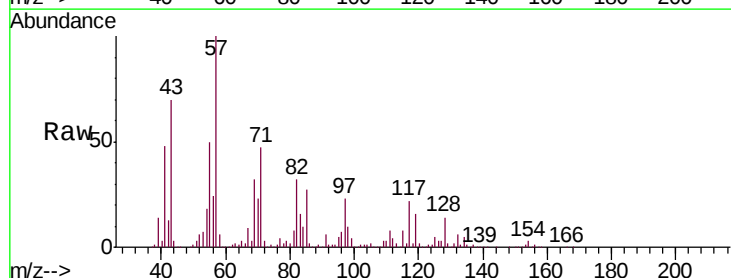
Instrument :
BNA_F
ClientSampleId :
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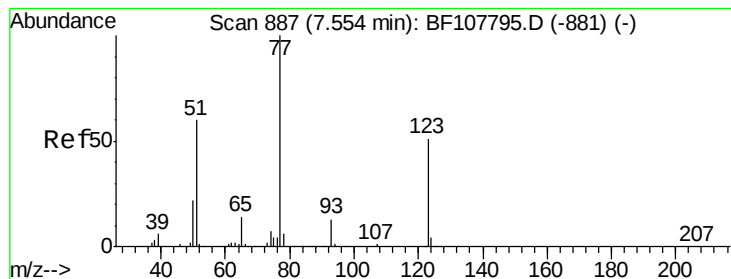
Tgt Ion: 105 Resp: 76708
Ion Ratio Lower Upper
105 100
71 39.4 4.4 6.6#
51 34.4 22.3 33.5#
120 59.1 16.9 25.3#



#23
Nitrobenzene-d5
Concen: 127.421 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF107968.D
Acq: 4 Aug 2018 5:27

Tgt Ion: 82 Resp: 280353
Ion Ratio Lower Upper
82 100
128 44.3 36.1 54.1
54 57.1 41.4 62.2





#24

Nitrobenzene

Concen: 31.984 ng

RT: 7.60 min Scan# 895

Delta R.T. 0.05 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

Instrument :

BNA_F

ClientSampled :

TP-2

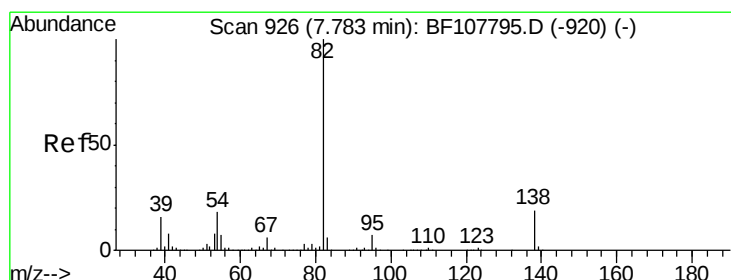
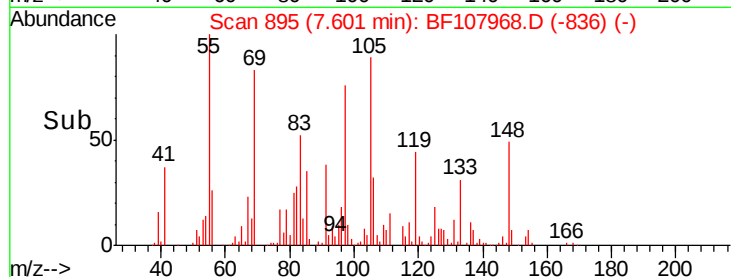
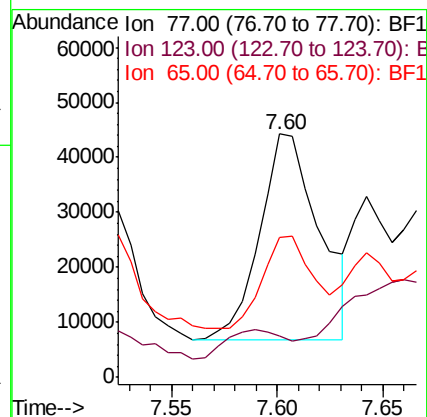
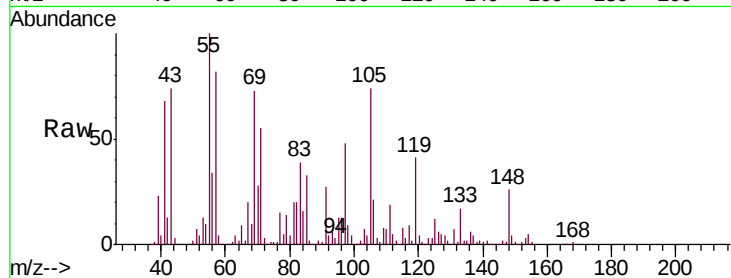
Tgt Ion: 77 Resp: 73790

Ion Ratio Lower Upper

77 100

123 16.9 37.9 56.9#

65 57.3 11.0 16.4#



#25

Isophorone

Concen: 25.337 ng

RT: 7.77 min Scan# 924

Delta R.T. -0.01 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

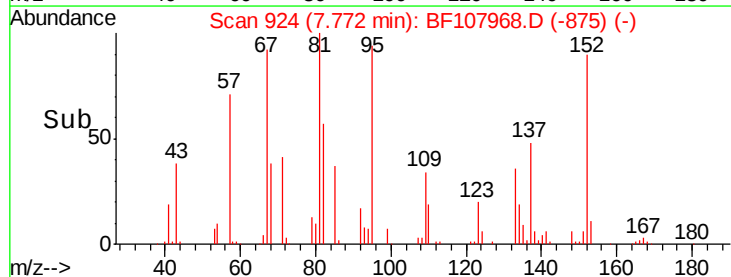
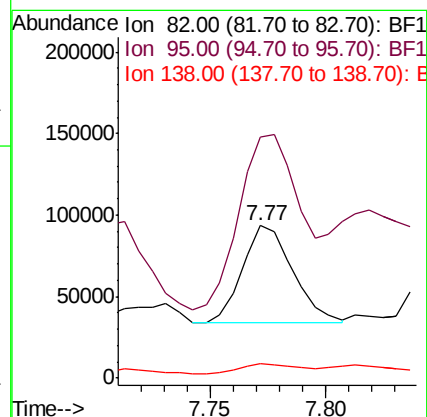
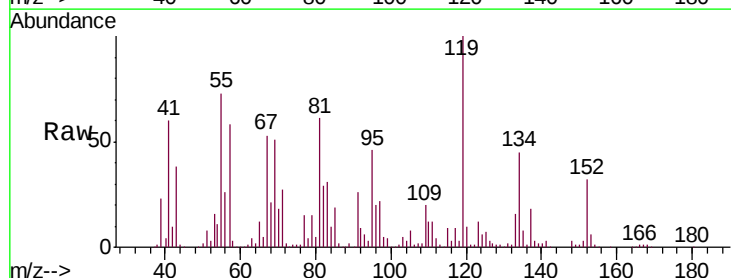
Tgt Ion: 82 Resp: 91508

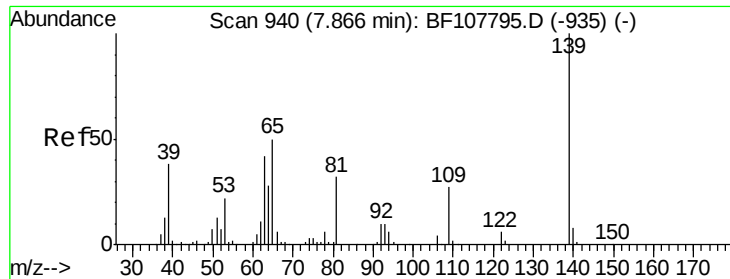
Ion Ratio Lower Upper

82 100

95 158.1 5.2 7.8#

138 9.2 14.9 22.3#

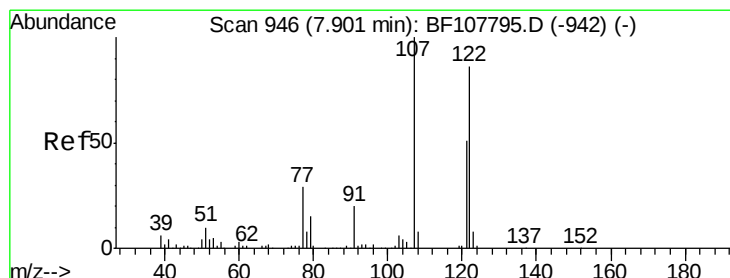
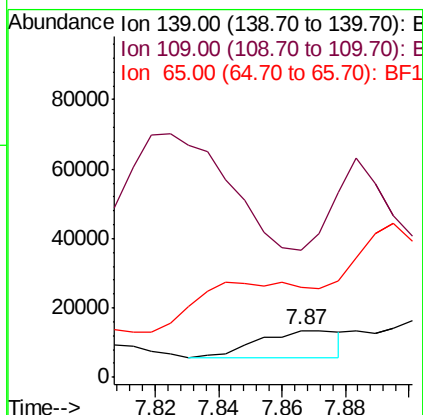
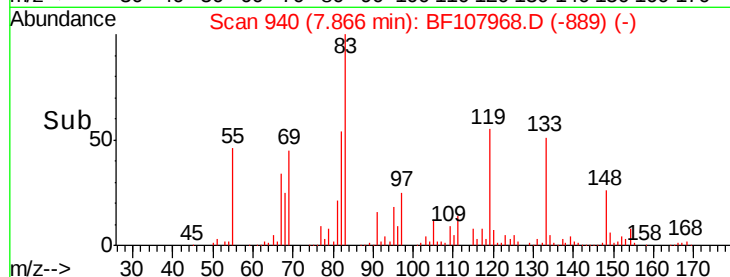
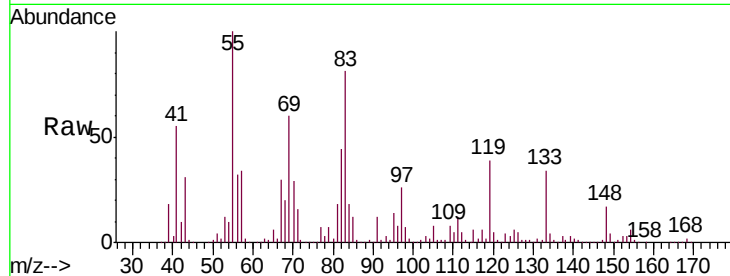




#26
2-Nitrophenol
Concen: 11.928 ng
RT: 7.87 min Scan# 940
Delta R.T. 0.00 min
Lab File: BF107968.D
Acq: 4 Aug 2018 5:27

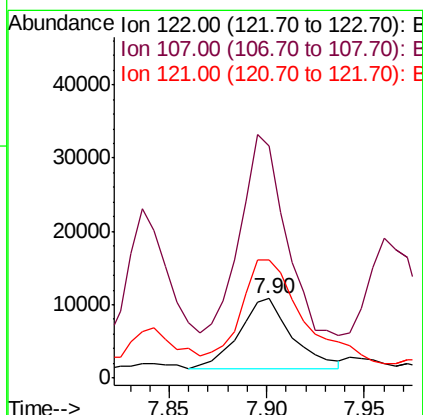
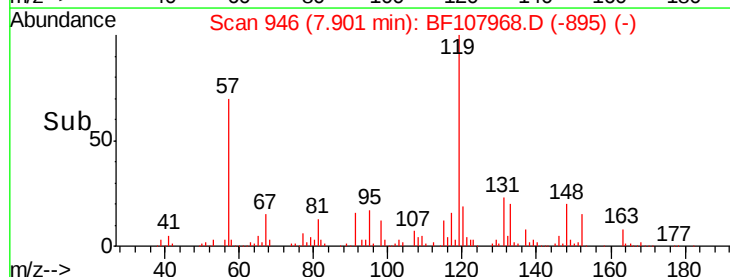
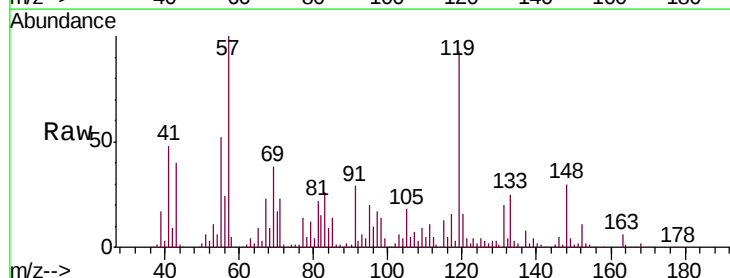
Instrument :
BNA_F
ClientSampled :
TP-2

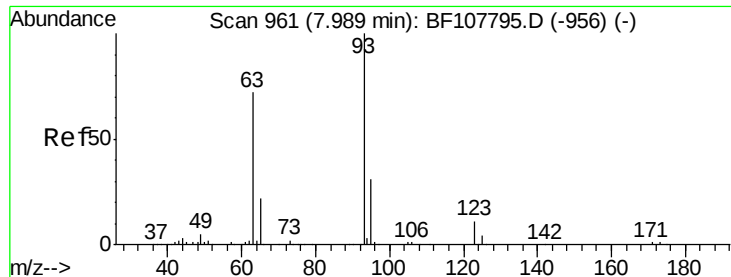
Tgt Ion:139 Resp: 13811
Ion Ratio Lower Upper
139 100
109 273.1 22.7 34.1#
65 191.2 40.5 60.7#



#27
2,4-Dimethylphenol
Concen: 11.488 ng
RT: 7.90 min Scan# 946
Delta R.T. 0.00 min
Lab File: BF107968.D
Acq: 4 Aug 2018 5:27

Tgt Ion:122 Resp: 17809
Ion Ratio Lower Upper
122 100
107 292.6 91.2 136.8#
121 148.5 47.2 70.8#





#28

bis(2-Chloroethoxy)methane

Concen: 11.750 ng

RT: 8.01 min Scan# 965

Delta R.T. 0.02 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

Instrument :

BNA_F

ClientSampleId :

TP-2

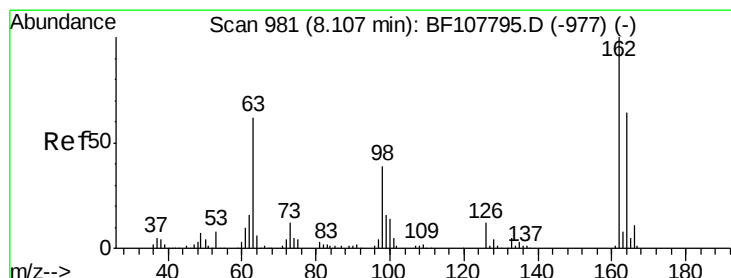
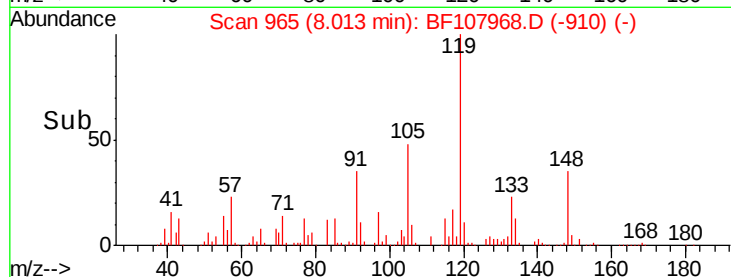
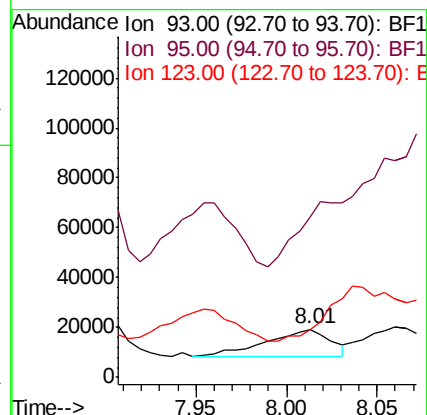
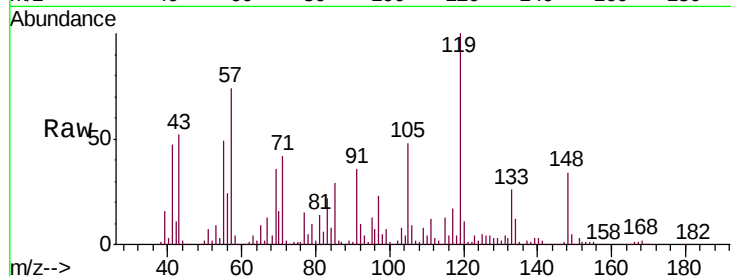
Tgt Ion: 93 Resp: 27966

Ion Ratio Lower Upper

93 100

95 331.7 26.3 39.5#

123 98.3 9.8 14.6#



#29

2,4-Dichlorophenol

Concen: 10.920 ng

RT: 8.09 min Scan# 978

Delta R.T. -0.02 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

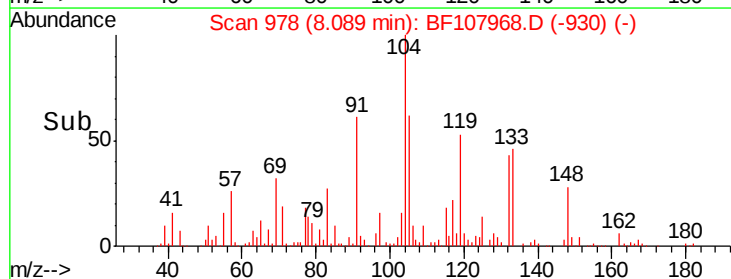
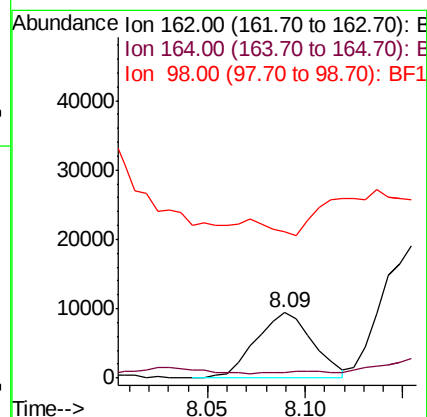
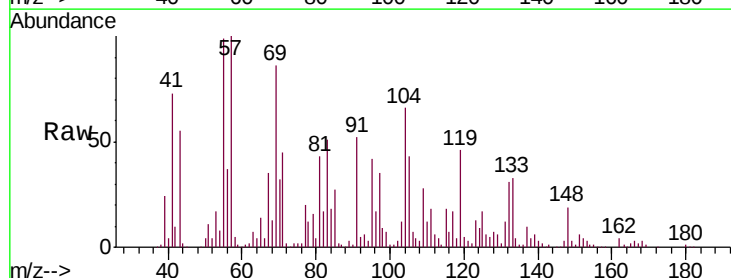
Tgt Ion: 162 Resp: 19148

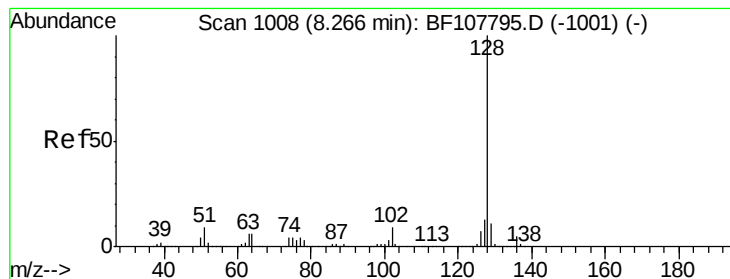
Ion Ratio Lower Upper

162 100

164 8.9 42.7 82.7#

98 224.8 18.1 58.1#





#31

Naphthalene

Concen: 37.898 ng

RT: 8.28 min Scan# 1011

Delta R.T. 0.02 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

Instrument :

BNA_F

ClientSampleId :

TP-2

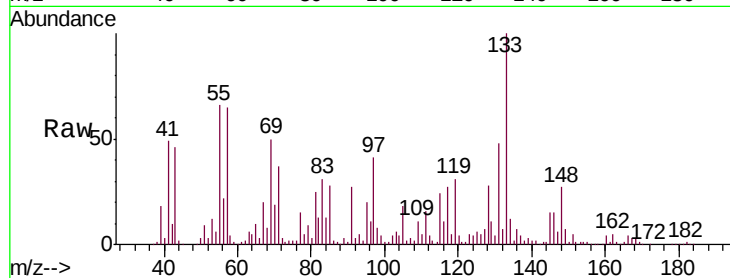
Tgt Ion:128 Resp: 223299

Ion Ratio Lower Upper

128 100

129 40.0 8.8 13.2#

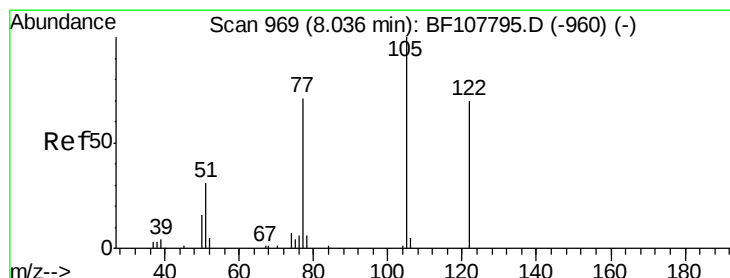
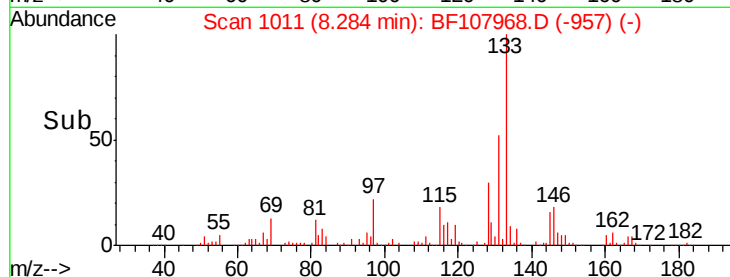
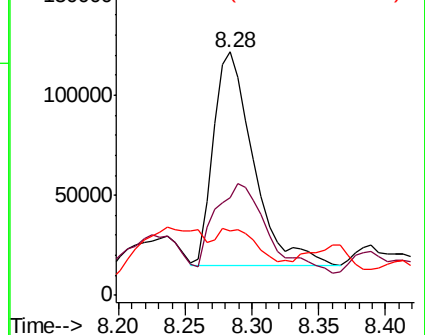
127 26.4 10.9 16.3#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 16.180 ng

RT: 8.04 min Scan# 969

Delta R.T. 0.00 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

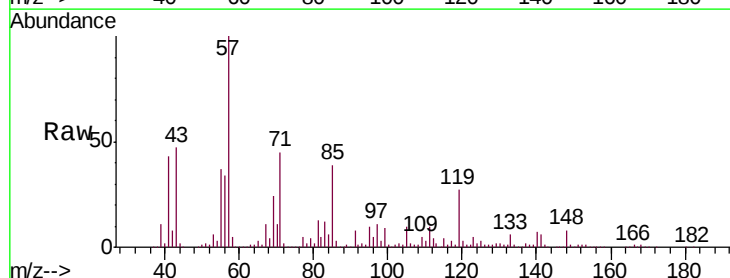
Tgt Ion:122 Resp: 15886

Ion Ratio Lower Upper

122 100

105 1115.3 101.1 141.1#

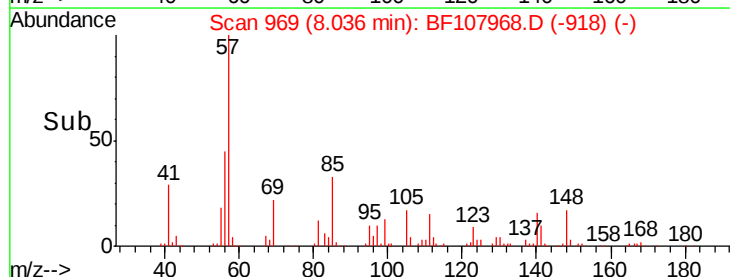
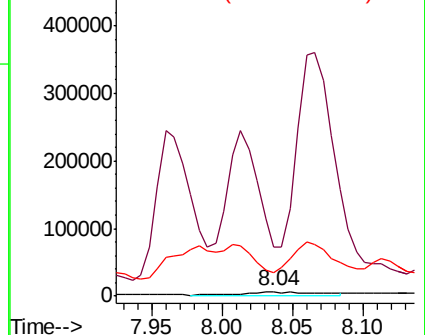
77 528.5 70.7 110.7#

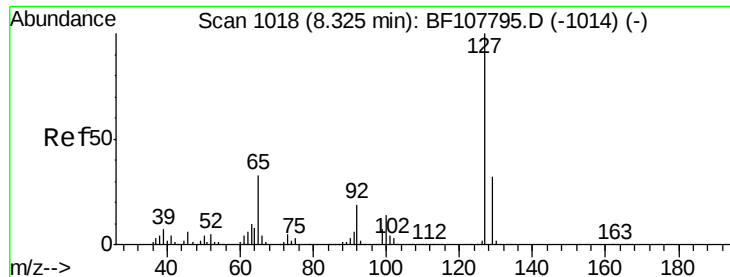


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

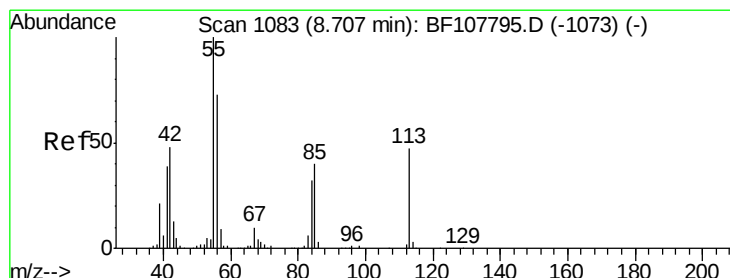
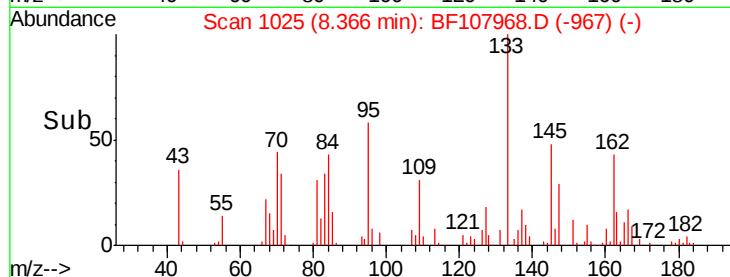
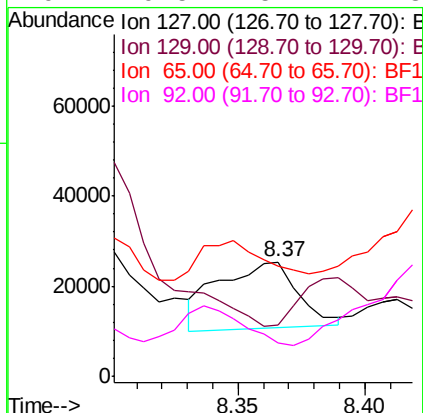
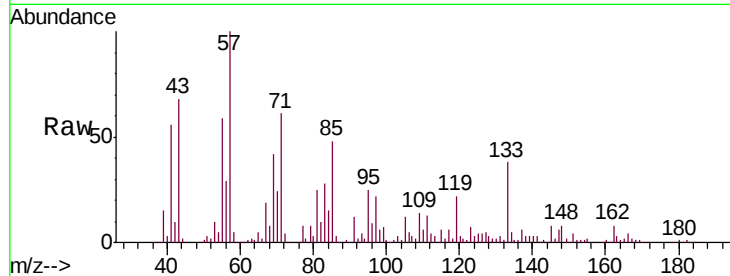




#33
 4-Chloroaniline
 Concen: 12.828 ng
 RT: 8.37 min Scan# 1025
 Delta R.T. 0.04 min
 Lab File: BF107968.D
 Acq: 4 Aug 2018 5:27

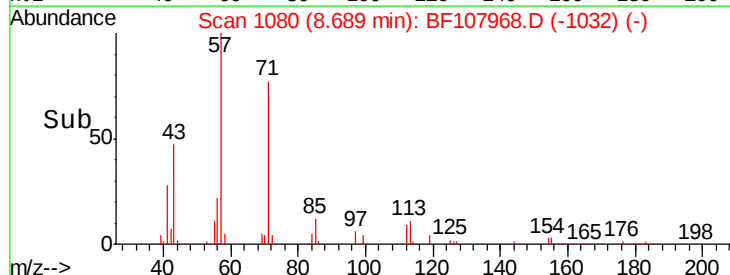
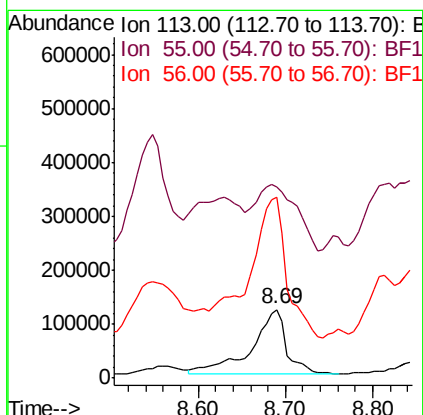
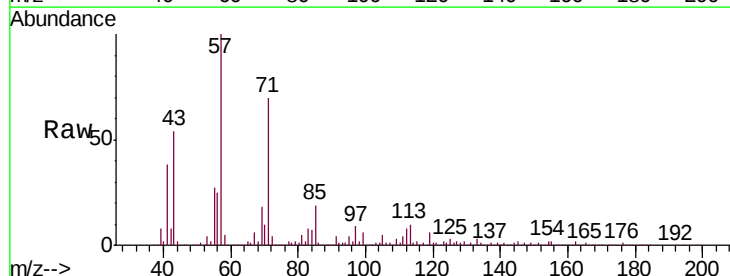
Instrument :
 BNA_F
 ClientSampleId :
 TP-2

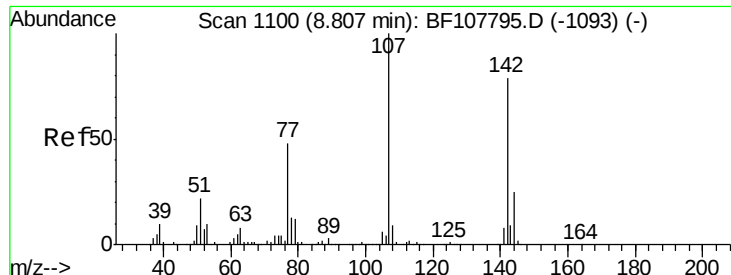
Tgt Ion:127 Resp: 32285
 Ion Ratio Lower Upper
 127 100
 129 45.3 25.9 38.9#
 65 97.1 25.0 37.4#
 92 29.5 15.2 22.8#



#35
 Caprolactam
 Concen: 602.198 ng
 RT: 8.69 min Scan# 1080
 Delta R.T. -0.02 min
 Lab File: BF107968.D
 Acq: 4 Aug 2018 5:27

Tgt Ion:113 Resp: 317874
 Ion Ratio Lower Upper
 113 100
 55 279.9 163.3 203.3#
 56 263.2 115.7 155.7#

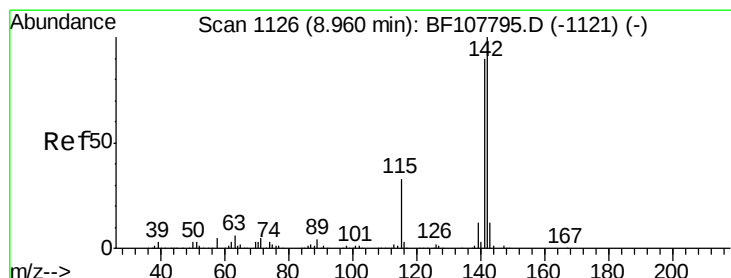
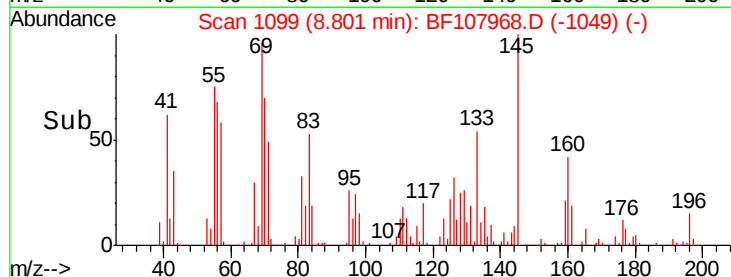
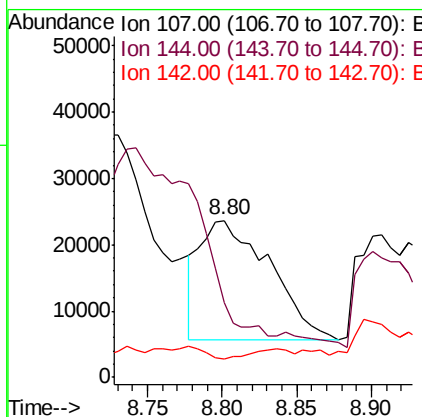
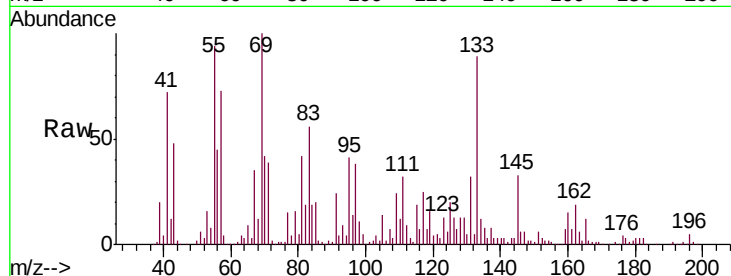




#36
 4-Chloro-3-methylphenol
 Concen: 30.438 ng
 RT: 8.80 min Scan# 1099
 Delta R.T. -0.01 min
 Lab File: BF107968.D
 Acq: 4 Aug 2018 5:27

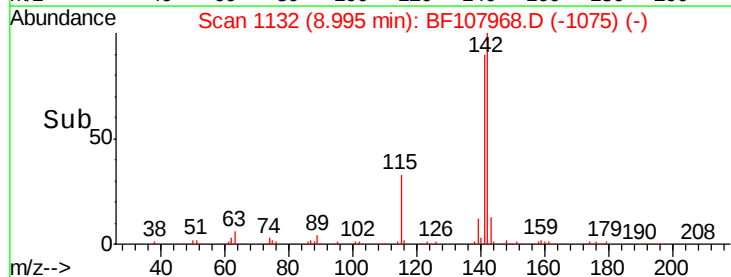
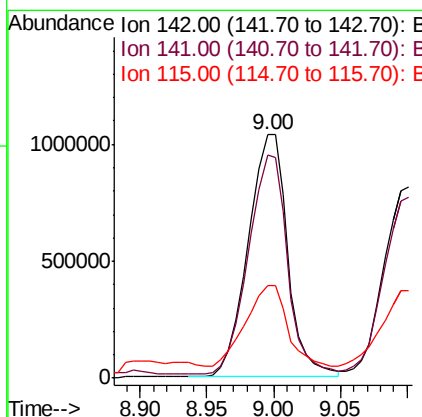
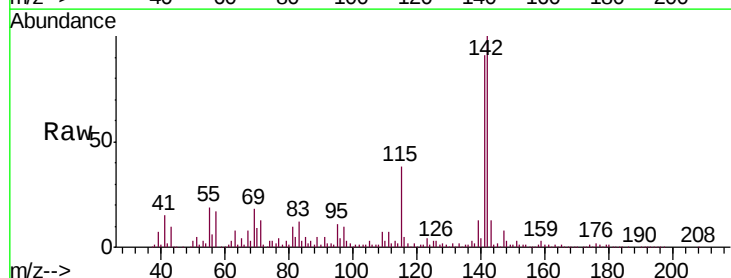
Instrument :
 BNA_F
 ClientSampled :
 TP-2

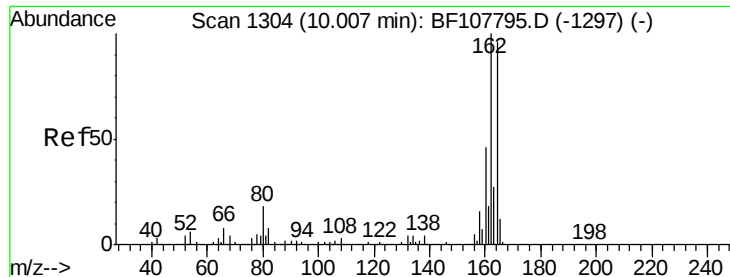
Tgt Ion:107 Resp: 57963
 Ion Ratio Lower Upper
 107 100
 144 47.7 20.5 30.7#
 142 12.0 62.0 93.0#



#37
 2-Methylnaphthalene
 Concen: 574.599 ng
 RT: 9.00 min Scan# 1132
 Delta R.T. 0.04 min
 Lab File: BF107968.D
 Acq: 4 Aug 2018 5:27

Tgt Ion:142 Resp: 2126663
 Ion Ratio Lower Upper
 142 100
 141 91.4 70.8 106.2
 115 37.9 26.1 39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.04 min Scan# 1309

Delta R.T. 0.03 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

Instrument :

BNA_F

ClientSampled :

TP-2

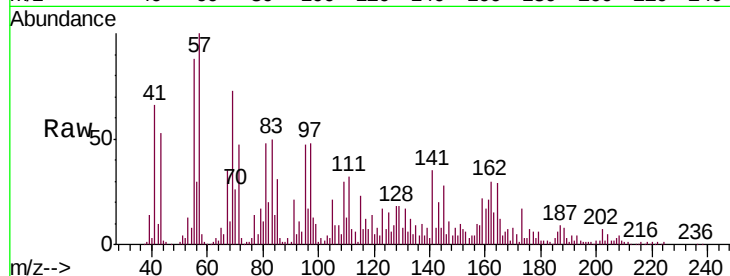
Tgt Ion:164 Resp: 137401

Ion Ratio Lower Upper

164 100

162 102.9 86.1 129.1

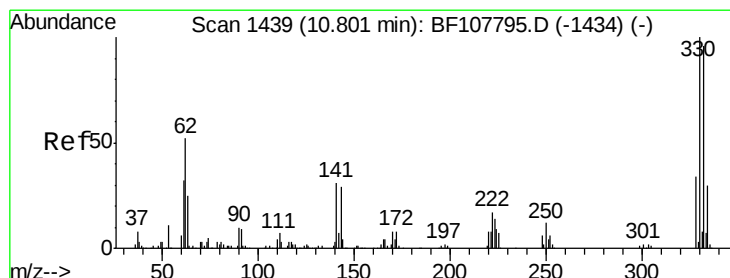
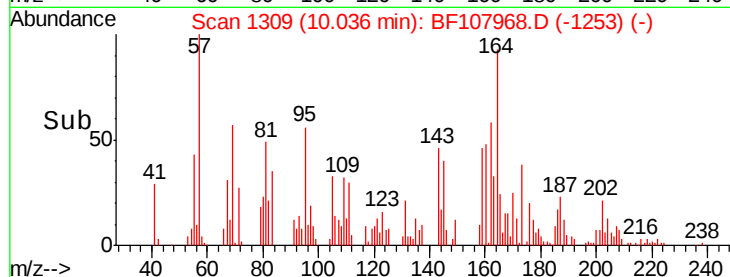
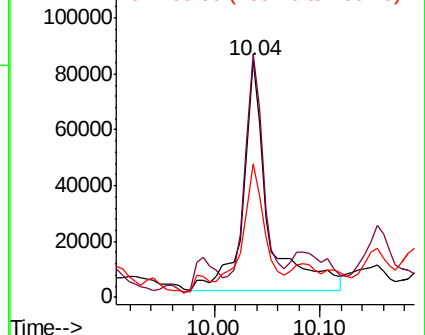
160 56.3 38.3 57.5



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: 68.760 ng

RT: 10.84 min Scan# 1445

Delta R.T. 0.04 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

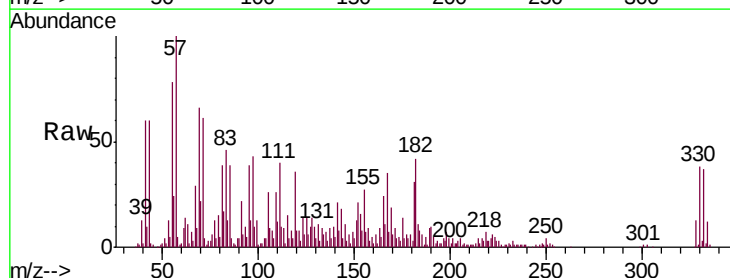
Tgt Ion:330 Resp: 128376

Ion Ratio Lower Upper

330 100

332 97.4 77.0 115.6

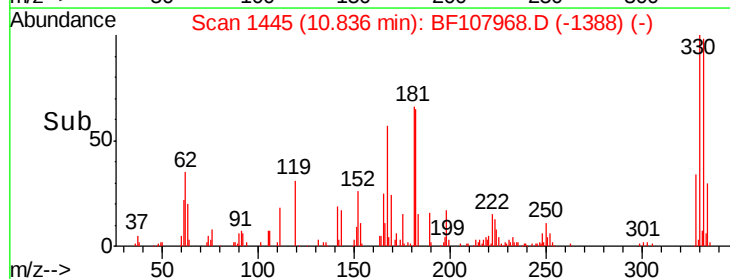
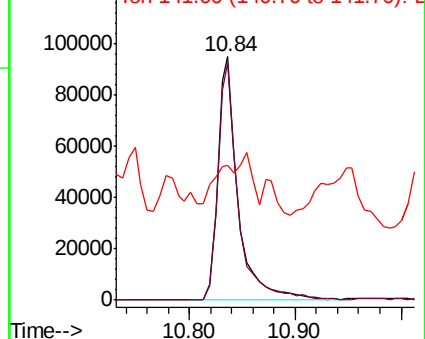
141 29.5 29.9 44.9#

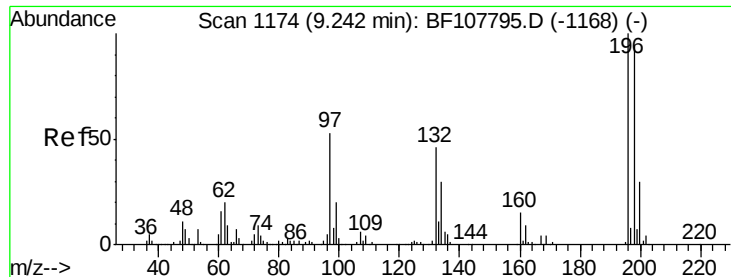


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#42

2,4,6-Trichlorophenol

Concen: 3.307 ng

RT: 9.24 min Scan# 1174

Delta R.T. 0.00 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

Instrument :

BNA_F

ClientSampleId :

TP-2

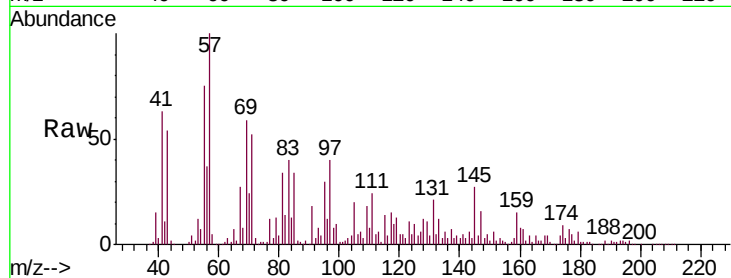
Tgt Ion:196 Resp: 8564

Ion Ratio Lower Upper

196 100

198 7.6 75.7 113.5#

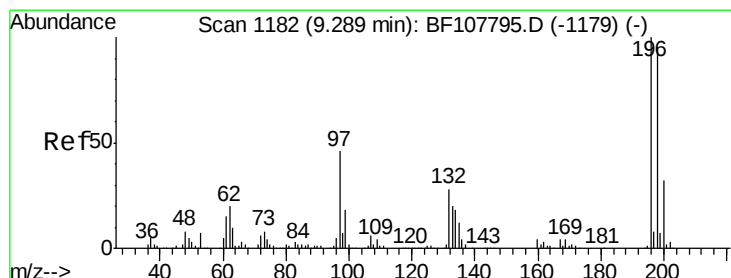
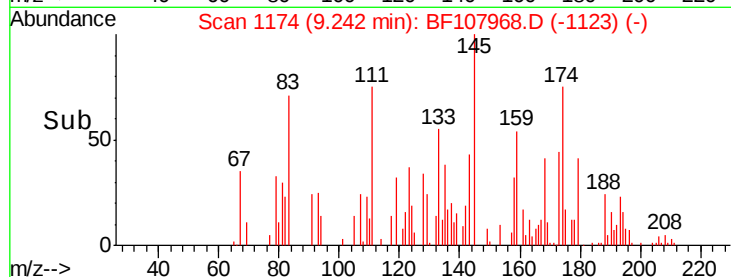
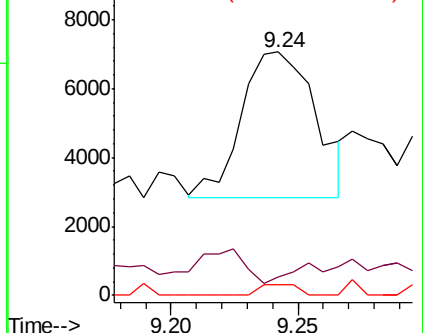
200 4.5 24.5 36.7#



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#43

2,4,5-Trichlorophenol

Concen: 2.126 ng

RT: 9.31 min Scan# 1185

Delta R.T. 0.02 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

Tgt Ion:196 Resp: 6628

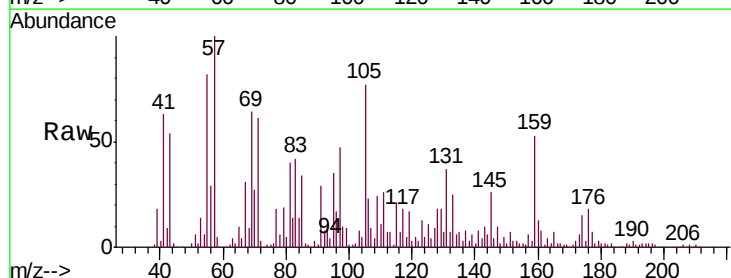
Ion Ratio Lower Upper

196 100

198 6.6 74.6 112.0#

97 2654.0 42.9 64.3#

132 394.2 26.3 39.5#

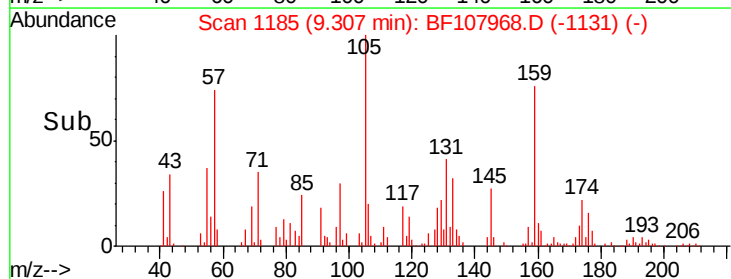
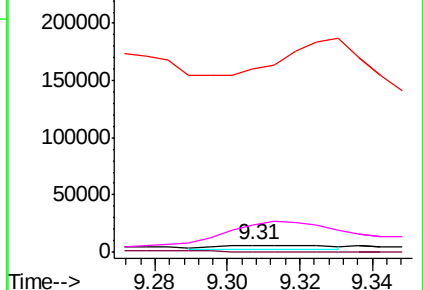


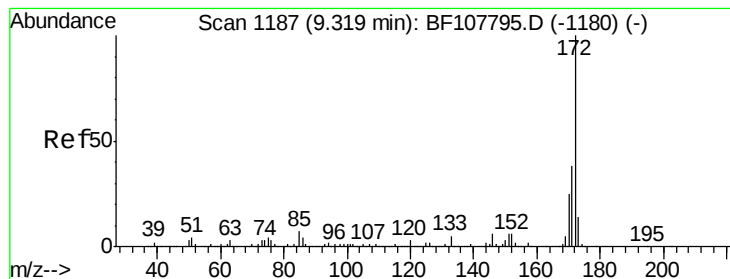
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E

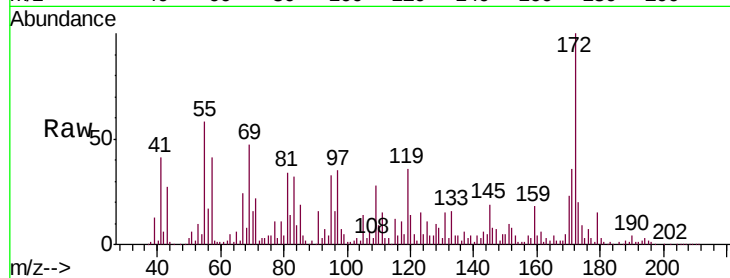




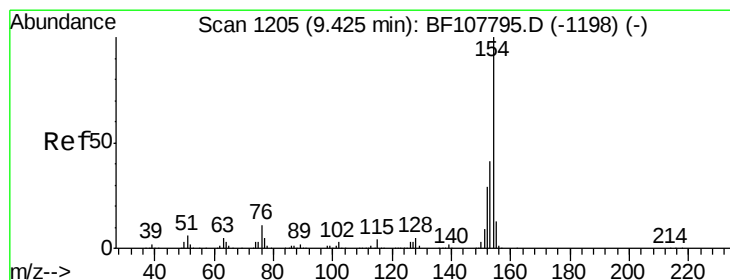
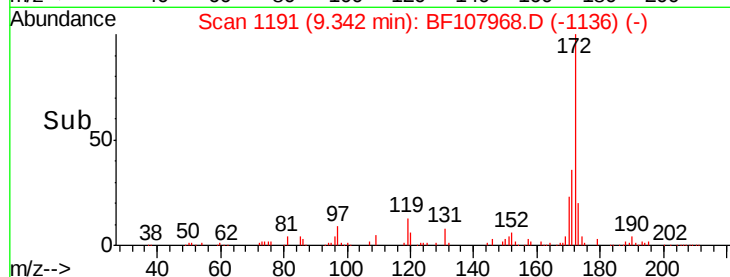
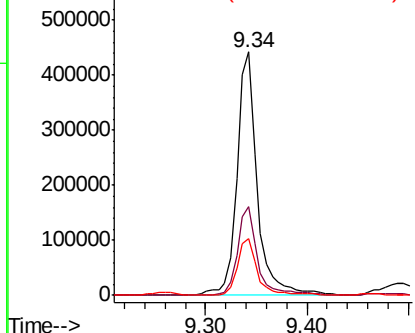
#44
 2-Fluorobiphenyl
 Concen: 62.330 ng
 RT: 9.34 min Scan# 1191
 Delta R.T. 0.02 min
 Lab File: BF107968.D
 Acq: 4 Aug 2018 5:27

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tgt Ion:172 Resp: 614588
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 23.5 19.6 29.4

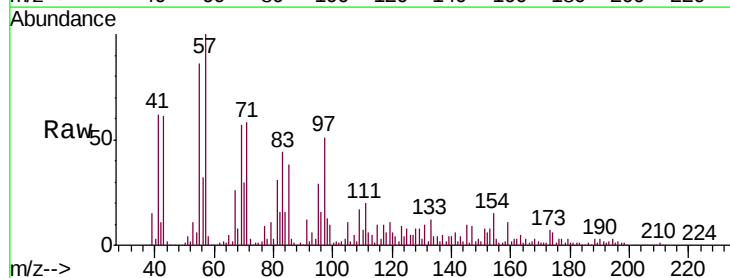


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

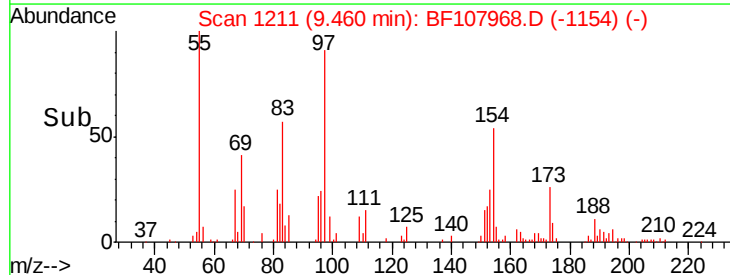
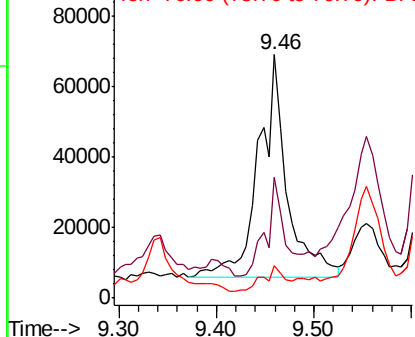


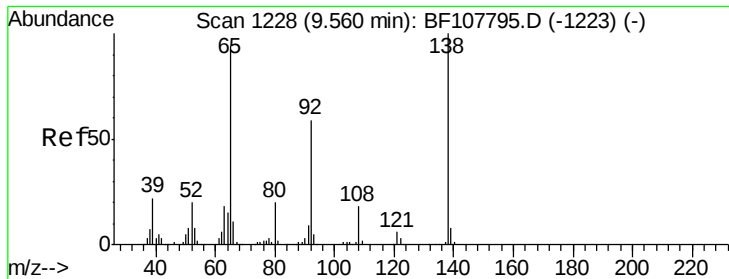
#45
 1,1'-Biphenyl
 Concen: 10.218 ng
 RT: 9.46 min Scan# 1211
 Delta R.T. 0.04 min
 Lab File: BF107968.D
 Acq: 4 Aug 2018 5:27

Tgt Ion:154 Resp: 127771
 Ion Ratio Lower Upper
 154 100
 153 49.4 21.3 61.3
 76 13.5 0.0 34.0



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





#47

2-Nitroaniline

Concen: 9.796 ng

RT: 9.59 min Scan# 1233

Delta R.T. 0.03 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

Instrument :

BNA_F

ClientSampleId :

TP-2

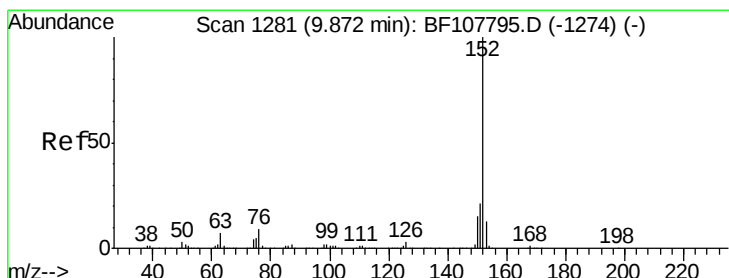
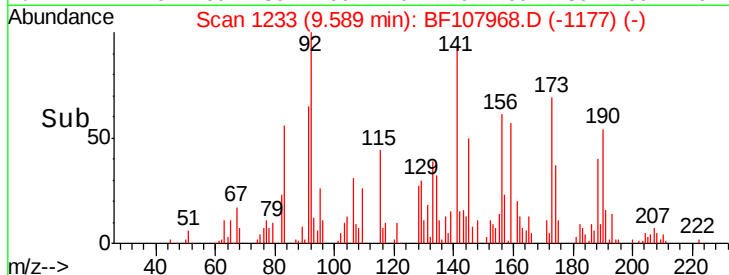
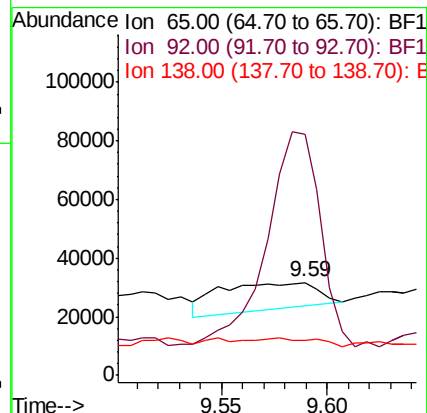
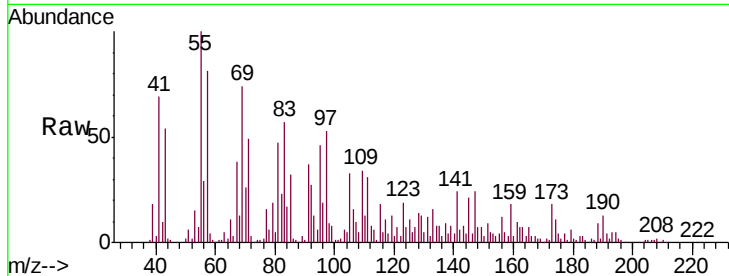
Tgt Ion: 65 Resp: 30045

Ion Ratio Lower Upper

65 100

92 259.5 55.8 83.6#

138 38.1 91.2 136.8#



#48

Acenaphthylene

Concen: 5.560 ng

RT: 9.90 min Scan# 1286

Delta R.T. 0.03 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

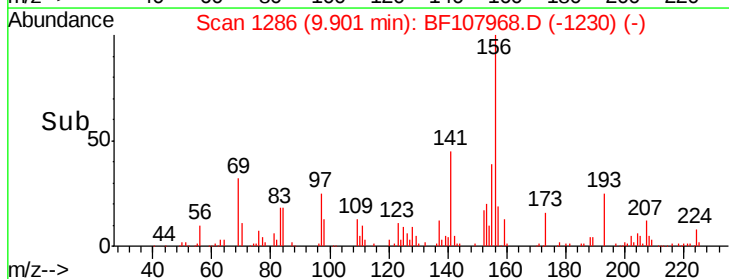
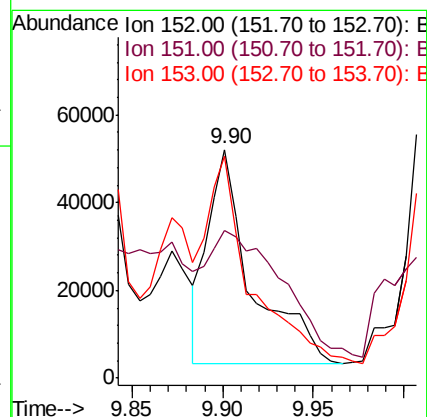
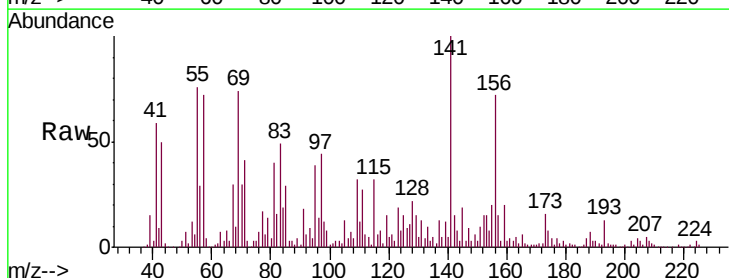
Tgt Ion: 152 Resp: 81278

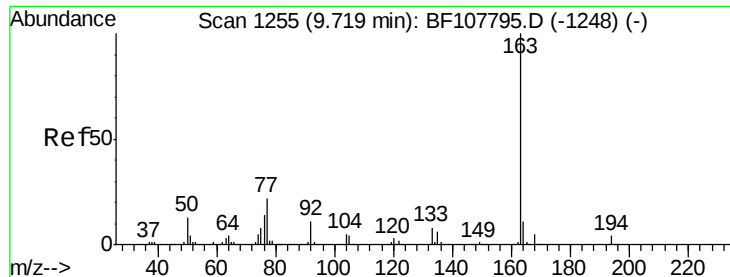
Ion Ratio Lower Upper

152 100

151 64.4 16.3 24.5#

153 96.9 10.7 16.1#





#49

Dimethylphthalate

Concen: 4.203 ng

RT: 9.73 min Scan# 1257

Delta R.T. 0.01 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

Instrument :

BNA_F

ClientSampleId :

TP-2

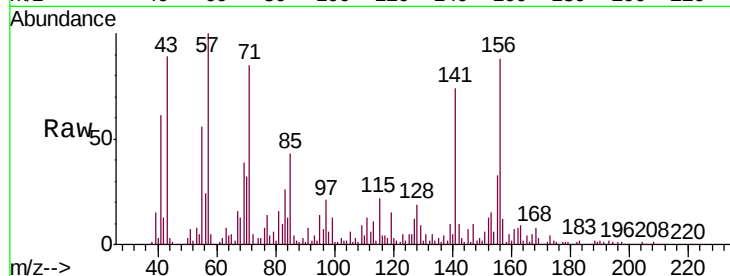
Tgt Ion:163 Resp: 43374

Ion Ratio Lower Upper

163 100

194 13.5 2.7 4.1#

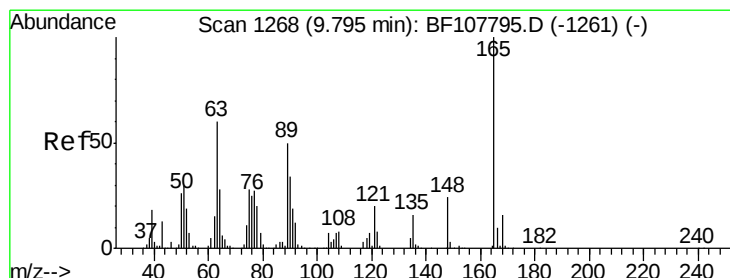
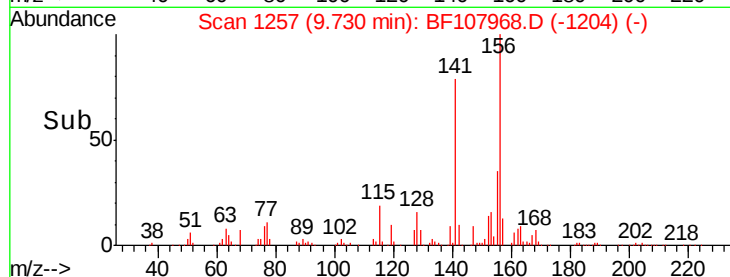
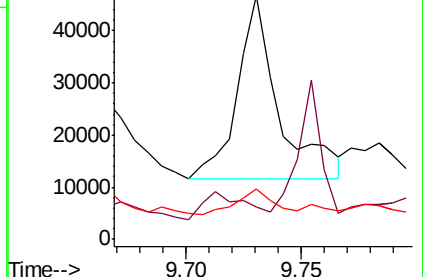
164 20.8 8.2 12.2#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 18.878 ng

RT: 9.79 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

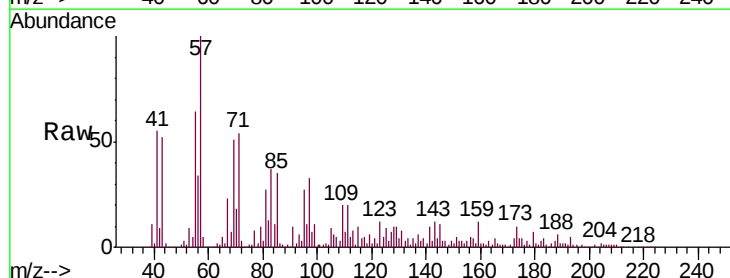
Tgt Ion:165 Resp: 42334

Ion Ratio Lower Upper

165 100

63 39.5 44.7 67.1#

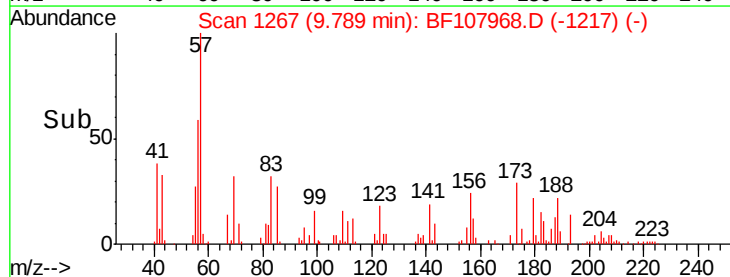
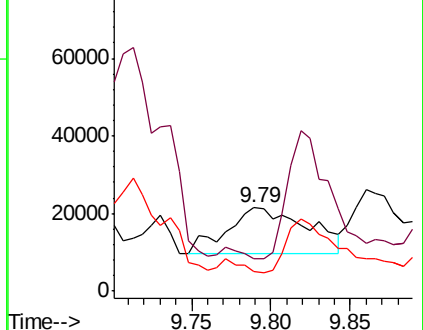
89 22.9 44.0 66.0#

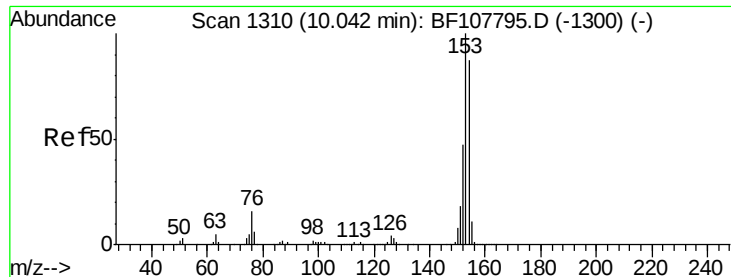


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 11.108 ng

RT: 10.07 min Scan# 1315

Delta R.T. 0.03 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

Instrument :

BNA_F

ClientSampleId :

TP-2

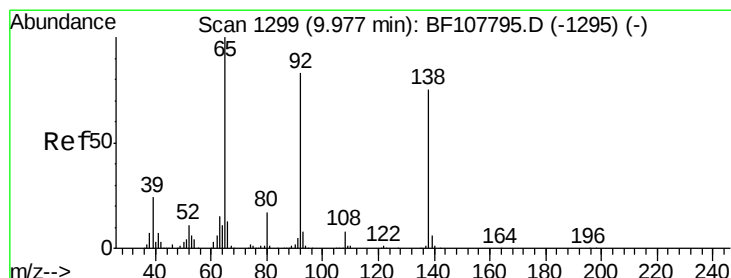
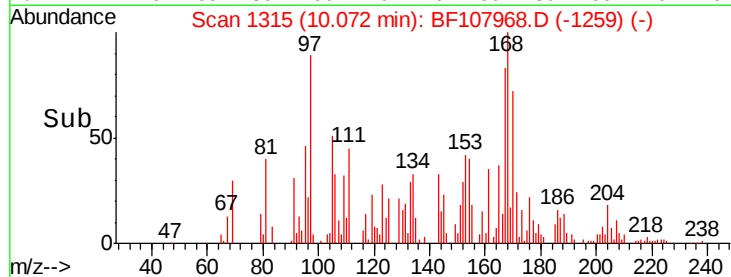
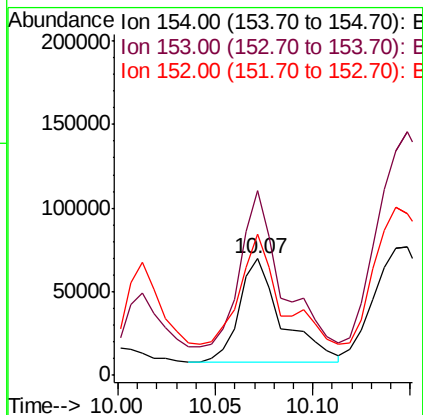
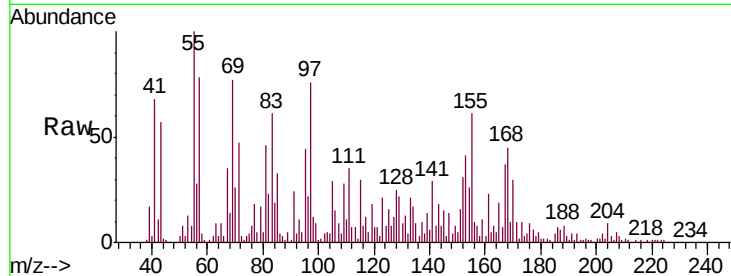
Tgt Ion:154 Resp: 94323

Ion Ratio Lower Upper

154 100

153 158.6 91.2 136.8#

152 120.9 43.8 65.8#



#52

3-Nitroaniline

Concen: 6.329 ng

RT: 10.02 min Scan# 1306

Delta R.T. 0.04 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

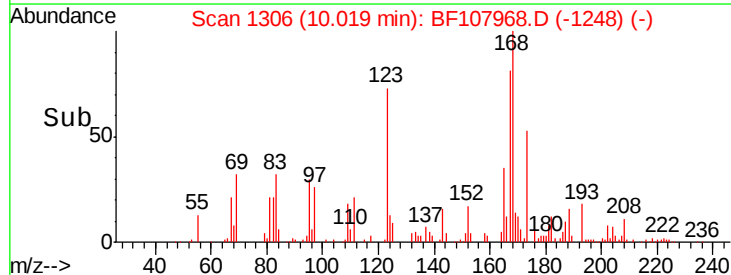
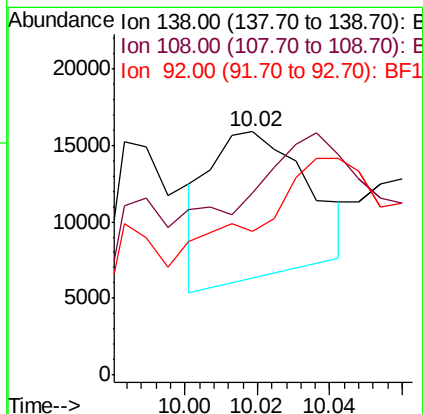
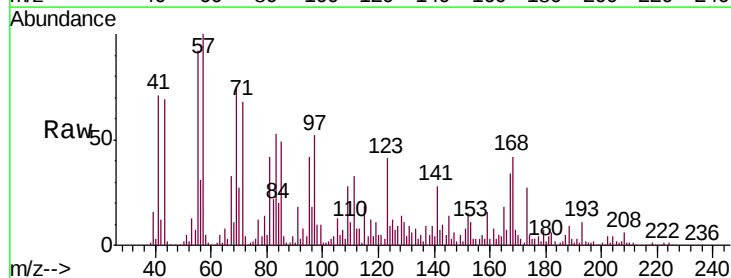
Tgt Ion:138 Resp: 17884

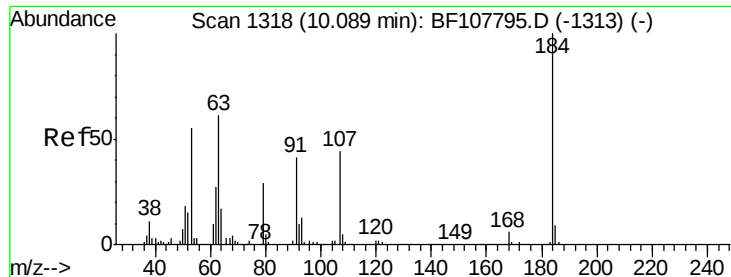
Ion Ratio Lower Upper

138 100

108 74.6 9.4 14.0#

92 59.2 89.4 134.2#

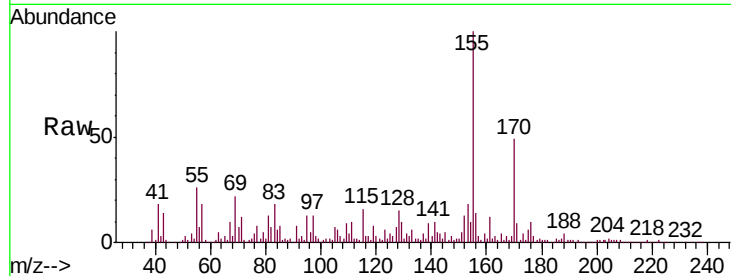




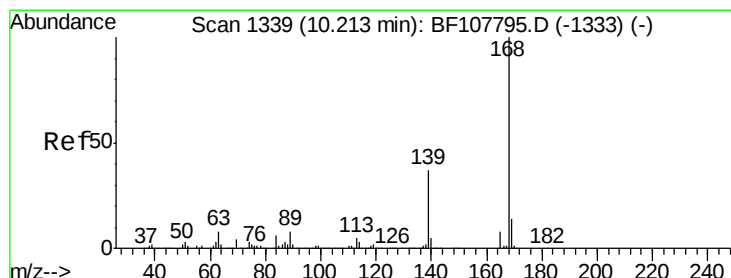
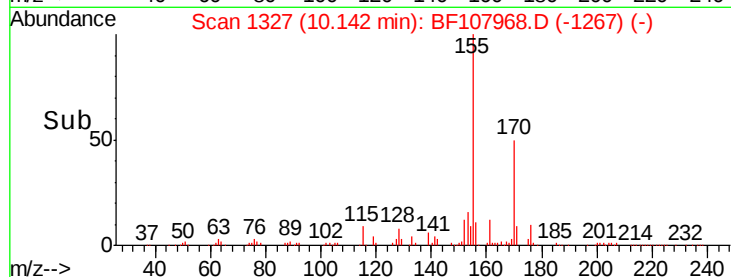
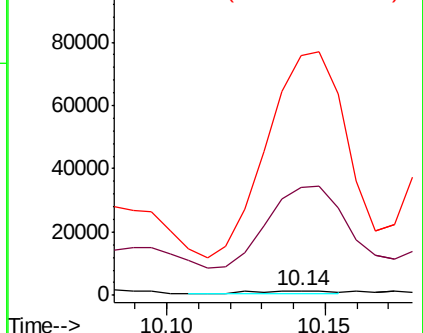
#53
2,4-Dinitrophenol
Concen: 9.489 ng
RT: 10.14 min Scan# 1327
Delta R.T. 0.05 min
Lab File: BF107968.D
Acq: 4 Aug 2018 5:27

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:184 Resp: 1386
Ion Ratio Lower Upper
184 100
63 2289.9 54.2 81.2#
154 5110.9 184.0 276.0#

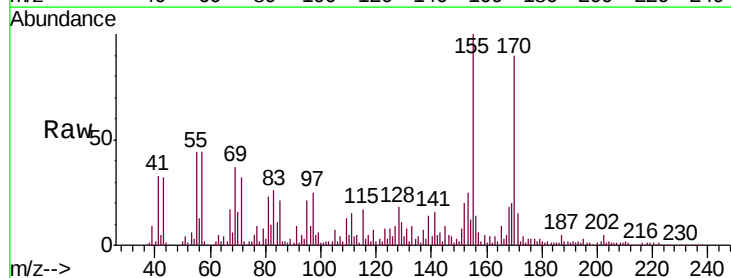


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

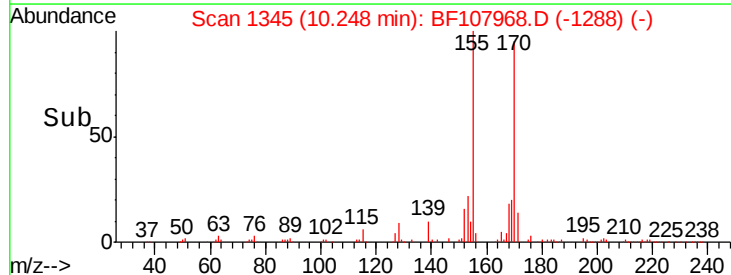
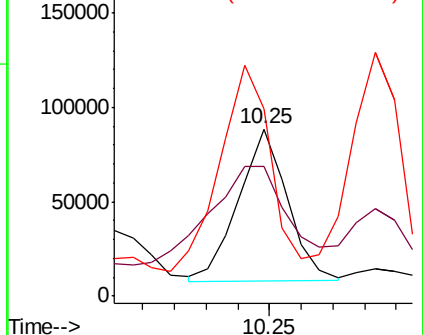


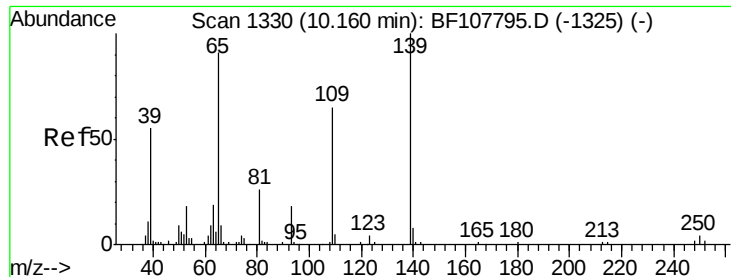
#54
Dibenzofuran
Concen: 6.564 ng
RT: 10.25 min Scan# 1345
Delta R.T. 0.04 min
Lab File: BF107968.D
Acq: 4 Aug 2018 5:27

Tgt Ion:168 Resp: 86148
Ion Ratio Lower Upper
168 100
139 77.7 30.1 45.1#
169 112.1 10.9 16.3#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

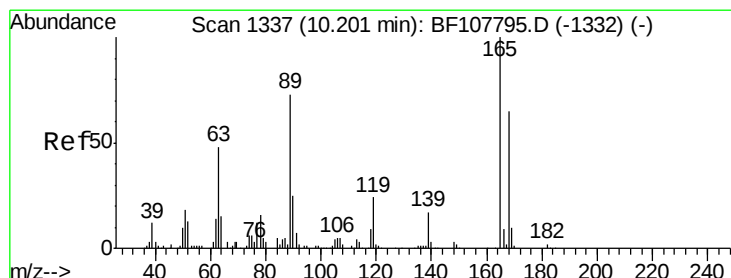
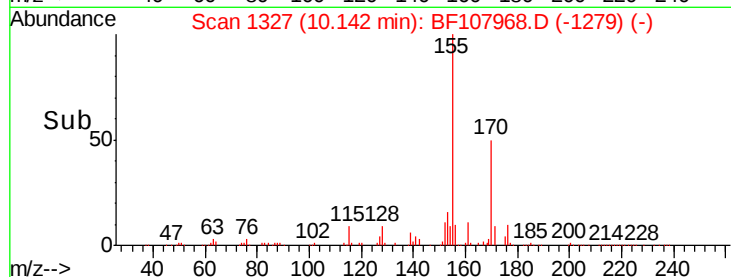
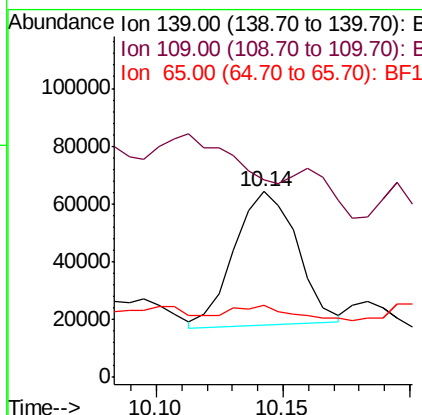
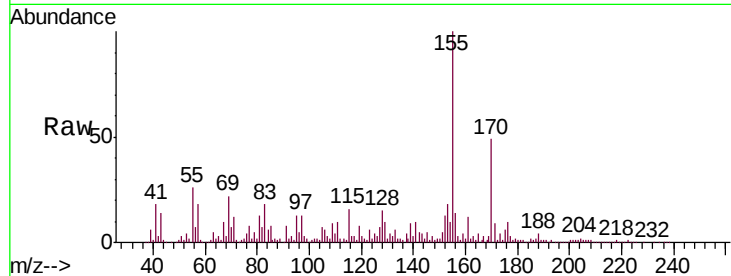




#55
4-Nitrophenol
Concen: 62.681 ng
RT: 10.14 min Scan# 1327
Delta R.T. -0.02 min
Lab File: BF107968.D
Acq: 4 Aug 2018 5:27

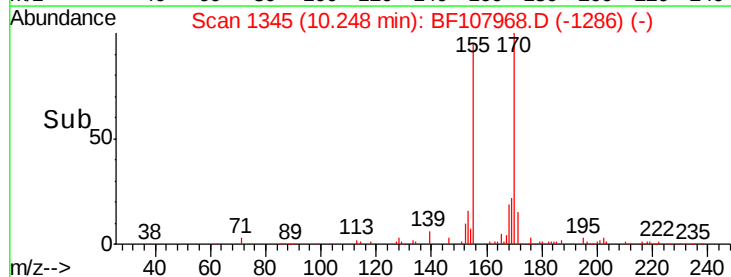
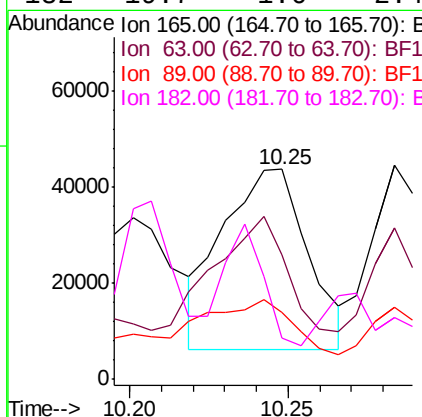
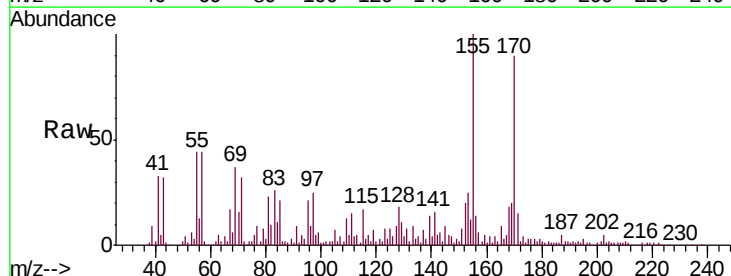
Instrument :
BNA_F
ClientSampleId :
TP-2

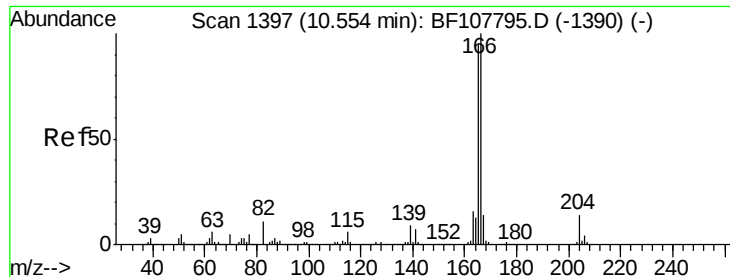
Tgt Ion:139 Resp: 80328
Ion Ratio Lower Upper
139 100
109 106.6 48.4 88.4#
65 38.9 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 23.849 ng
RT: 10.25 min Scan# 1345
Delta R.T. 0.05 min
Lab File: BF107968.D
Acq: 4 Aug 2018 5:27

Tgt Ion:165 Resp: 70293
Ion Ratio Lower Upper
165 100
63 59.1 36.4 54.6#
89 31.7 57.8 86.6#
182 19.7 1.6 2.4#

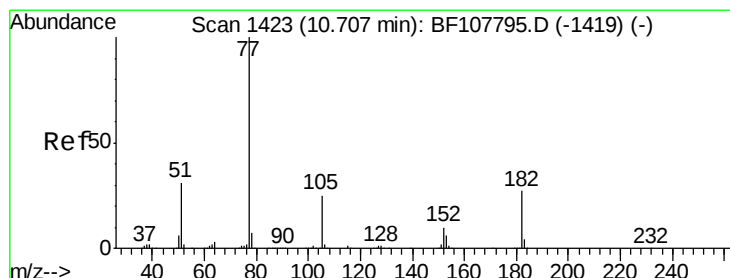
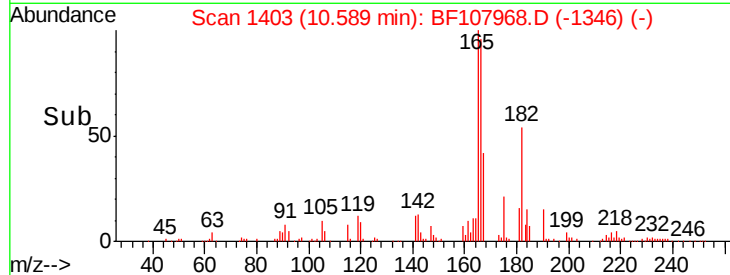
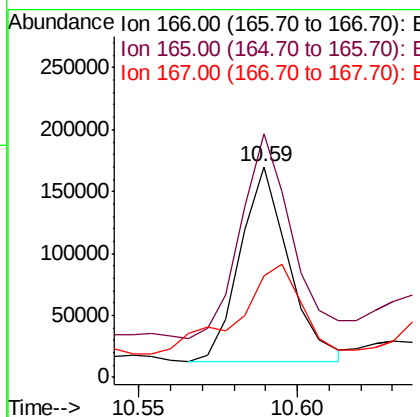
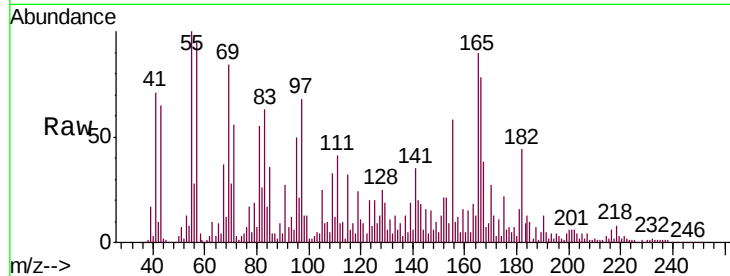




#57
Fluorene
 Concen: 16.352 ng
 RT: 10.59 min Scan# 1403
 Delta R.T. 0.04 min
 Lab File: BF107968.D
 Acq: 4 Aug 2018 5:27

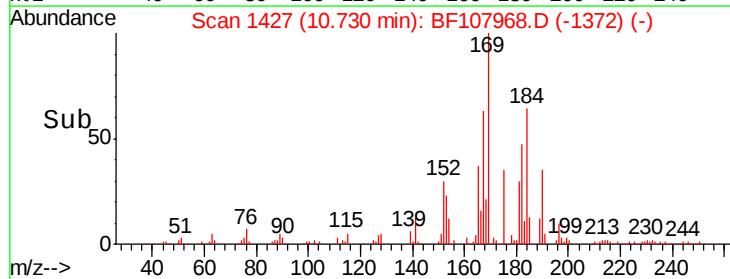
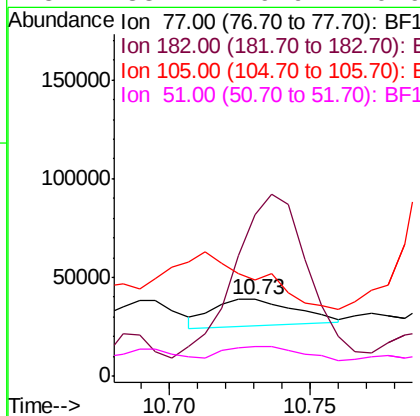
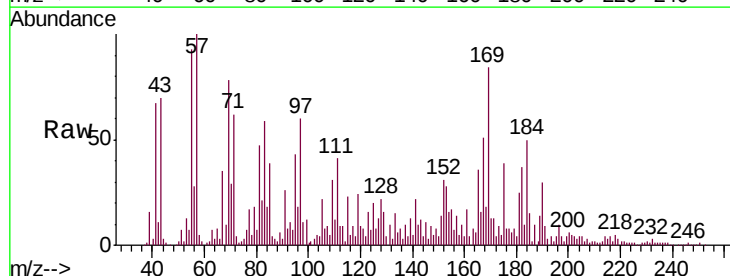
Instrument :
 BNA_F
 ClientSampleId :
 TP-2

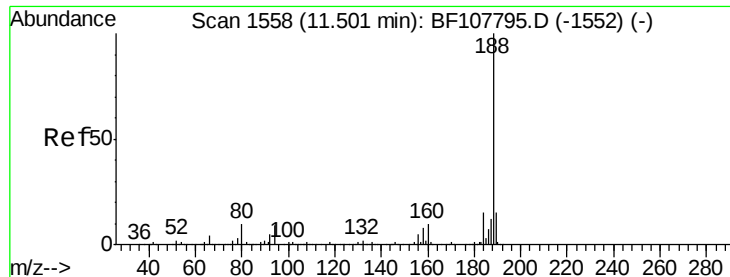
Tgt Ion: 166 Resp: 166800
 Ion Ratio Lower Upper
 166 100
 165 115.6 79.8 119.8
 167 48.3 10.6 16.0#



#62
Azobenzene
 Concen: 2.696 ng
 RT: 10.73 min Scan# 1427
 Delta R.T. 0.02 min
 Lab File: BF107968.D
 Acq: 4 Aug 2018 5:27

Tgt Ion: 77 Resp: 27862
 Ion Ratio Lower Upper
 77 100
 182 211.7 1.7 41.7#
 105 125.9 3.0 43.0#
 51 38.2 9.9 49.9

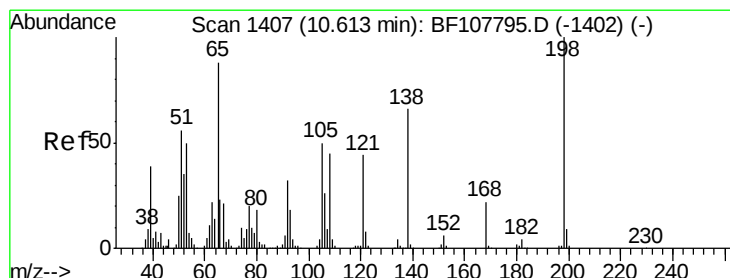
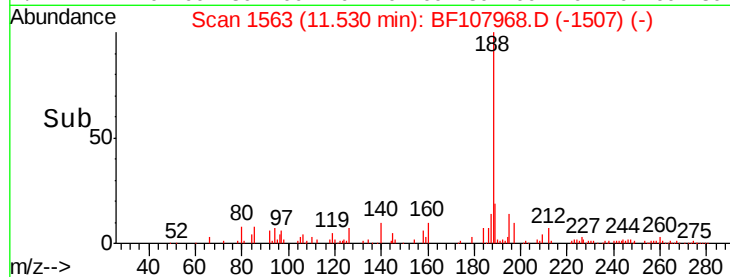
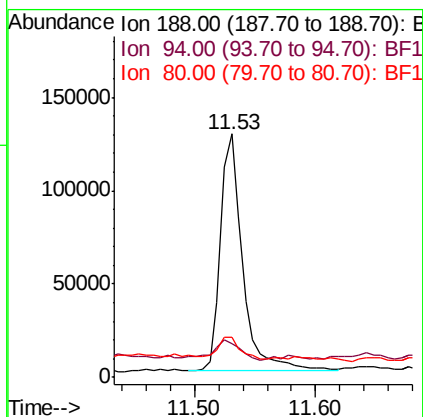
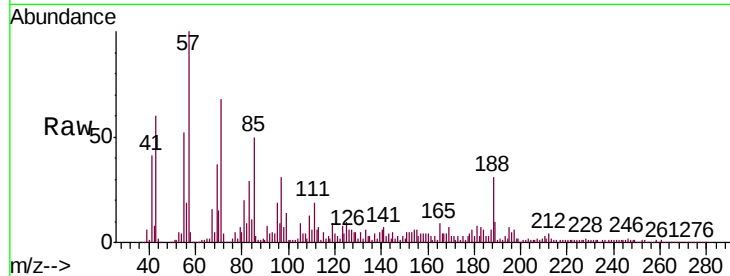




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.53 min Scan# 1563
Delta R.T. 0.03 min
Lab File: BF107968.D
Acq: 4 Aug 2018 5:27

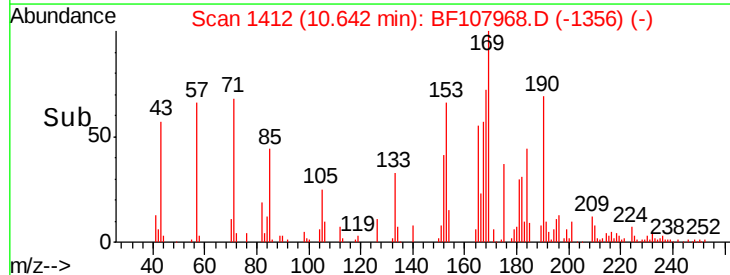
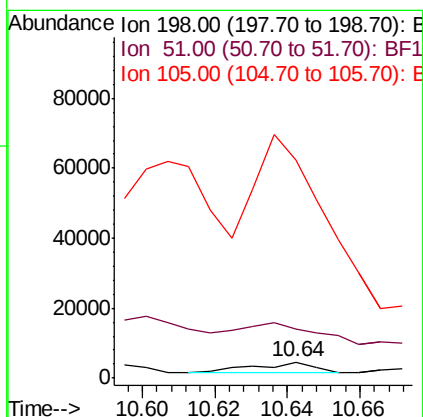
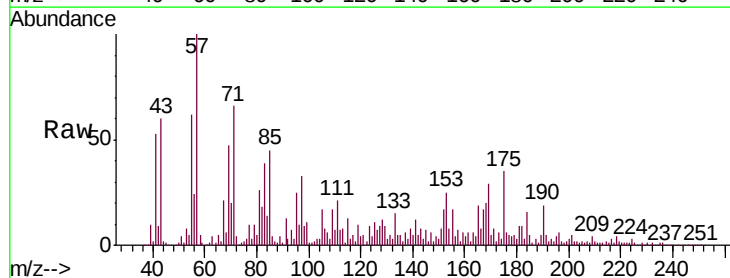
Instrument :
BNA_F
ClientSampleId :
TP-2

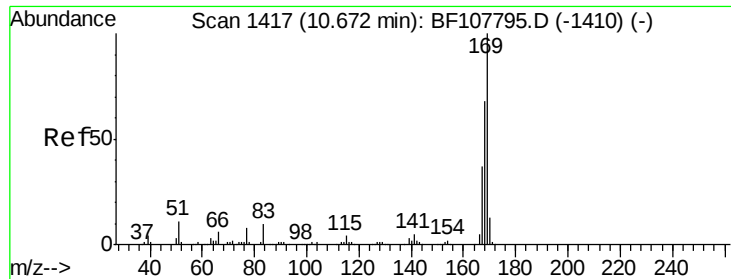
Tgt Ion:188 Resp: 160834
Ion Ratio Lower Upper
188 100
94 13.9 8.5 12.7#
80 16.3 9.2 13.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 3.953 ng
RT: 10.64 min Scan# 1412
Delta R.T. 0.03 min
Lab File: BF107968.D
Acq: 4 Aug 2018 5:27

Tgt Ion:198 Resp: 3459
Ion Ratio Lower Upper
198 100
51 302.7 37.7 77.7#
105 1354.3 36.3 76.3#

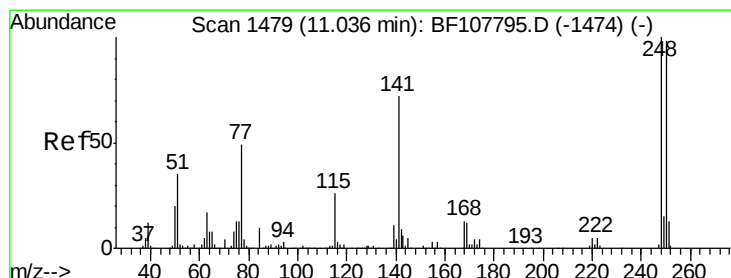
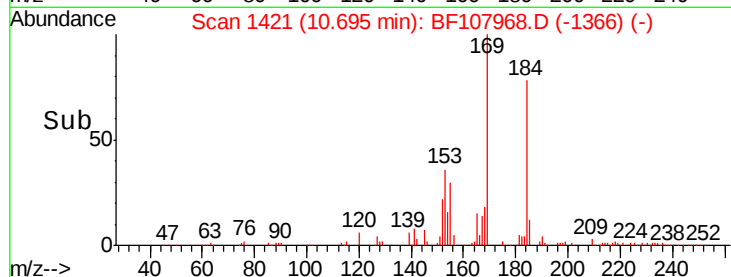
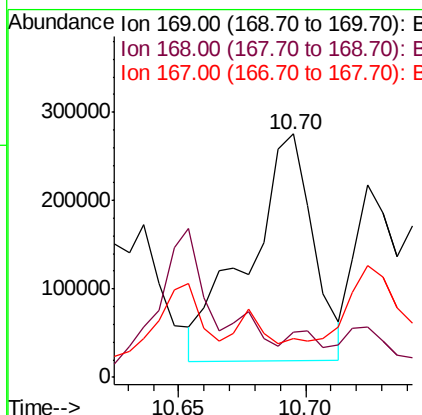
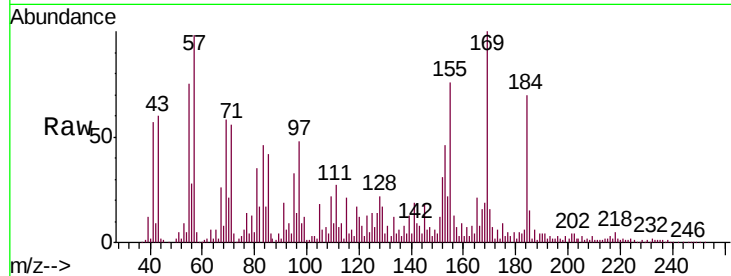




#65
n-Nitrosodiphenylamine
Concen: 85.992 ng
RT: 10.70 min Scan# 1421
Delta R.T. 0.02 min
Lab File: BF107968.D
Acq: 4 Aug 2018 5:27

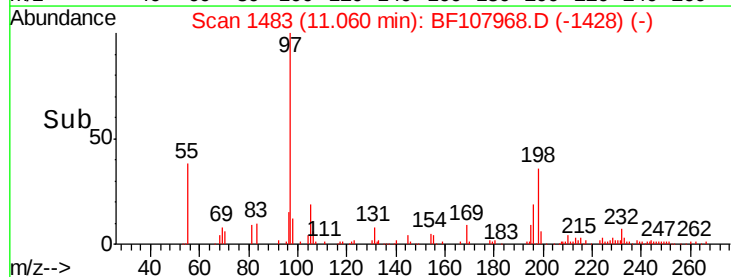
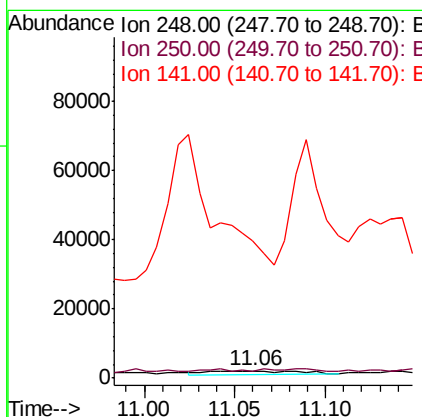
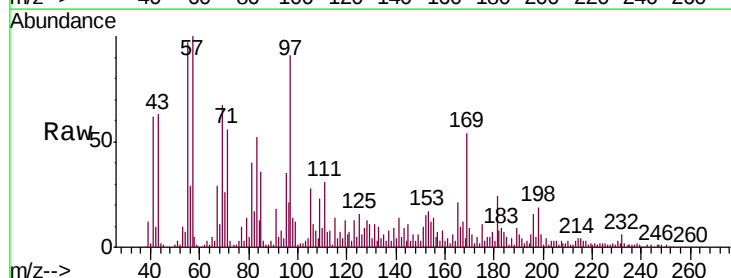
Instrument :
BNA_F
ClientSampleId :
TP-2

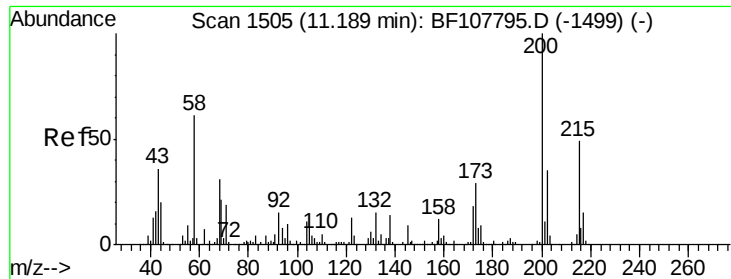
Tgt Ion:169 Resp: 455399
Ion Ratio Lower Upper
169 100
168 18.5 54.4 81.6#
167 15.9 29.8 44.6#



#66
4-Bromophenyl-phenylether
Concen: 2.127 ng
RT: 11.06 min Scan# 1483
Delta R.T. 0.02 min
Lab File: BF107968.D
Acq: 4 Aug 2018 5:27

Tgt Ion:248 Resp: 3987
Ion Ratio Lower Upper
248 100
250 98.9 76.9 115.3
141 1844.3 74.4 111.6#

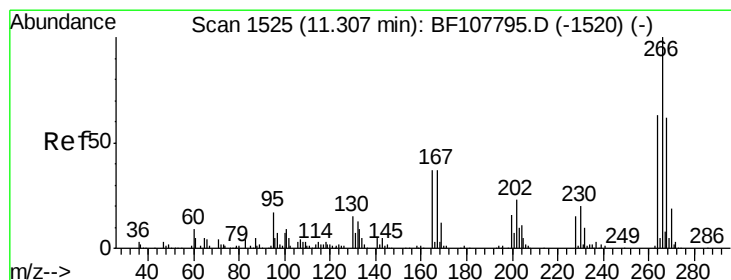
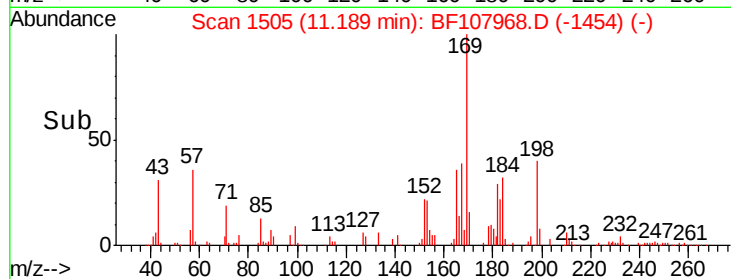
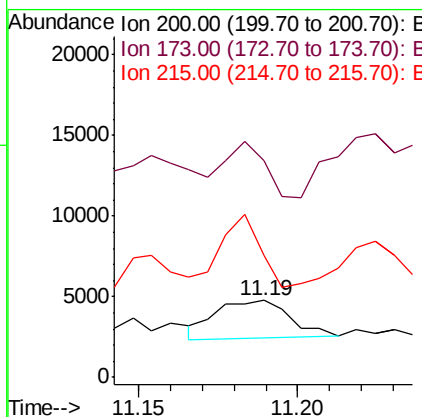
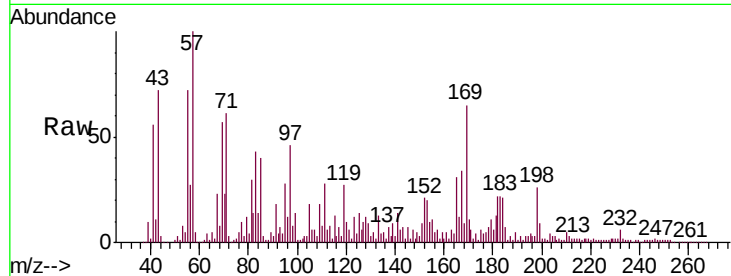




#68
Atrazine
Concen: 2.421 ng
RT: 11.19 min Scan# 1505
Delta R.T. 0.00 min
Lab File: BF107968.D
Acq: 4 Aug 2018 5:27

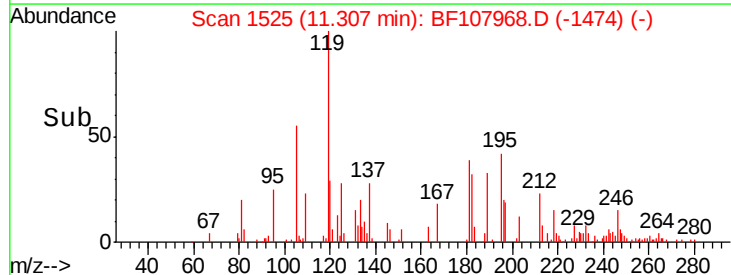
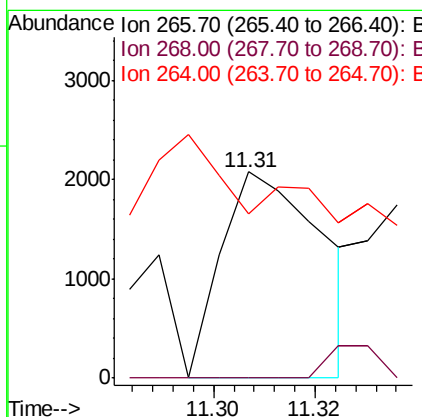
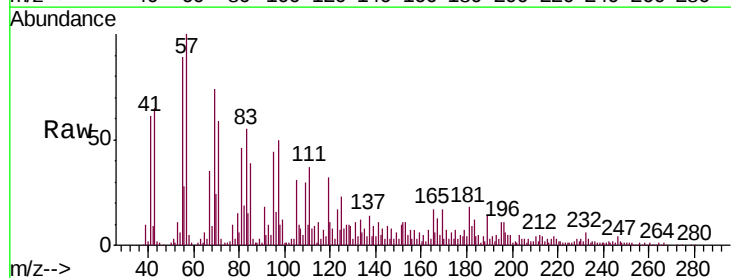
Instrument :
BNA_F
ClientSampleId :
TP-2

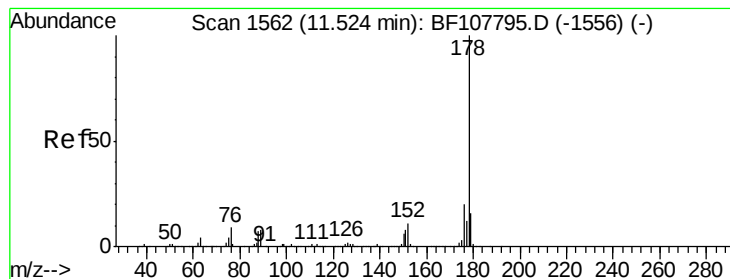
Tgt Ion:200 Resp: 3794
Ion Ratio Lower Upper
200 100
173 280.2 8.6 48.6#
215 157.6 25.1 65.1#



#69
Pentachlorophenol
Concen: 2.799 ng
RT: 11.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BF107968.D
Acq: 4 Aug 2018 5:27

Tgt Ion:266 Resp: 2864
Ion Ratio Lower Upper
266 100
268 0.0 51.1 76.7#
264 79.9 49.5 74.3#





#70

Phenanthrene

Concen: 79.618 ng

RT: 11.55 min Scan# 1567

Delta R.T. 0.03 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

Instrument :

BNA_F

ClientSampleId :

TP-2

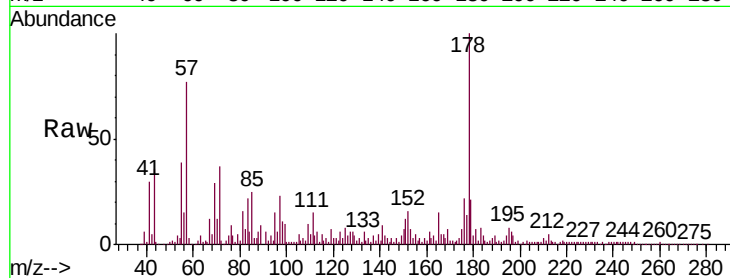
Tgt Ion:178 Resp: 608032

Ion Ratio Lower Upper

178 100

176 21.6 15.8 23.8

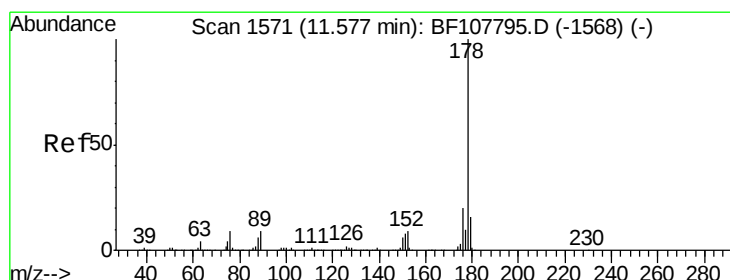
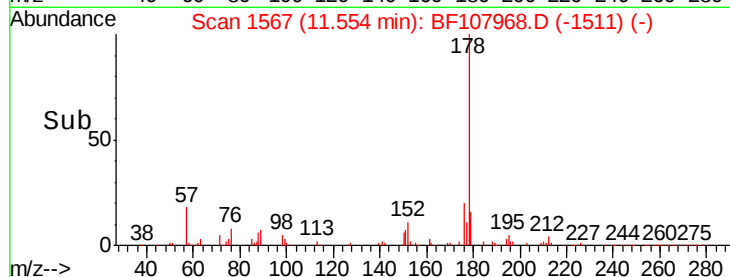
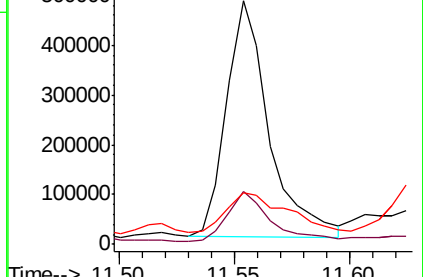
179 21.0 13.0 19.6#



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: 16.986 ng

RT: 11.64 min Scan# 1581

Delta R.T. 0.06 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

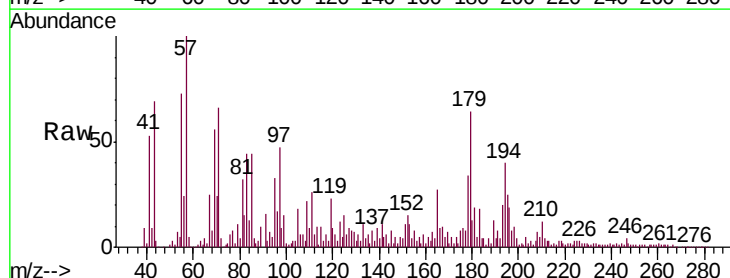
Tgt Ion:178 Resp: 149621

Ion Ratio Lower Upper

178 100

176 26.5 15.4 23.2#

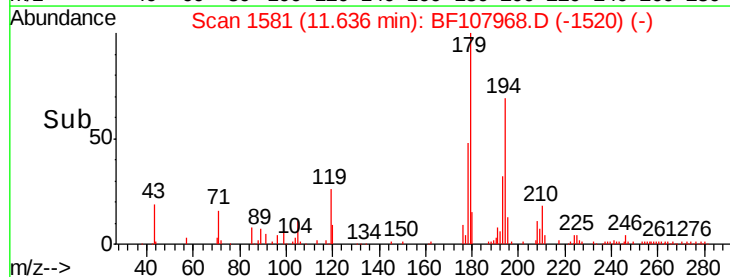
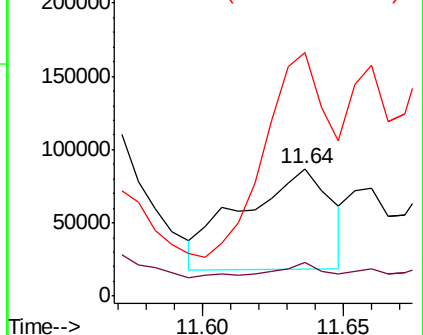
179 190.7 12.6 19.0#

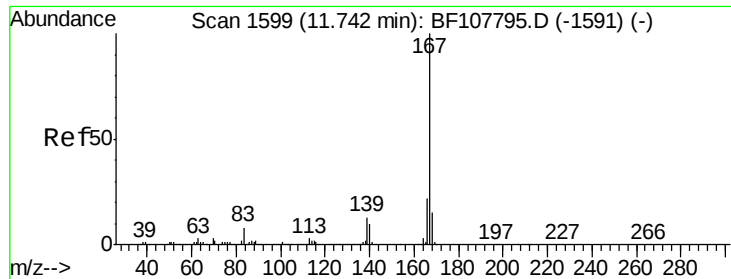


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.867 ng

RT: 11.76 min Scan# 1602

Delta R.T. 0.02 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

Instrument :

BNA_F

ClientSampleId :

TP-2

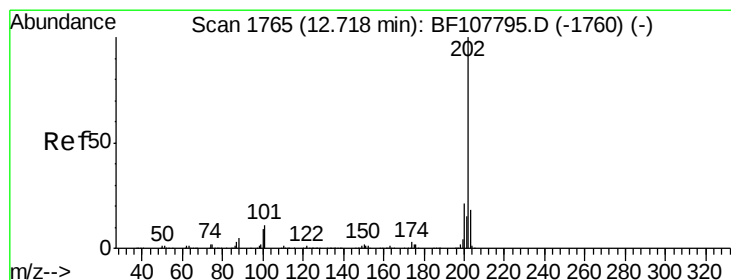
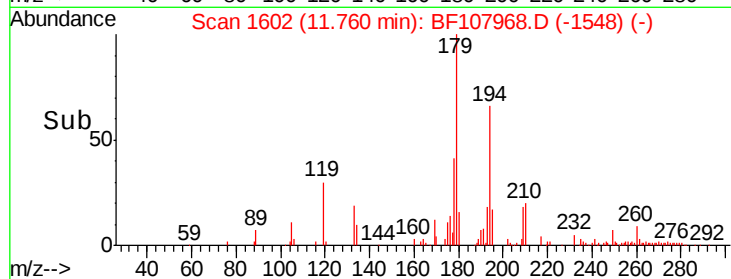
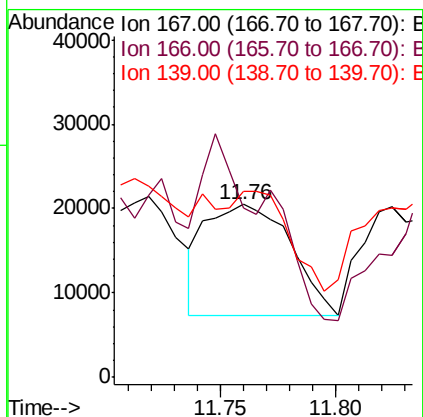
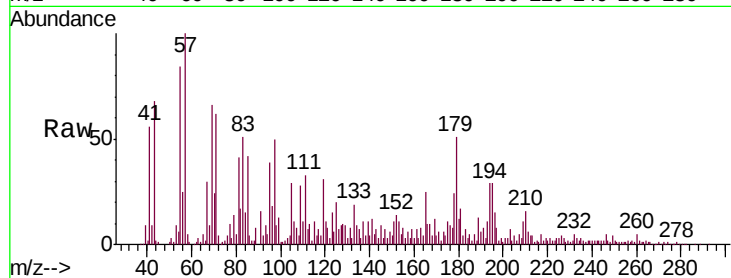
Tgt Ion:167 Resp: 33663

Ion Ratio Lower Upper

167 100

166 97.8 17.6 26.4#

139 107.6 10.9 16.3#



#74

Fluoranthene

Concen: 4.112 ng

RT: 12.74 min Scan# 1768

Delta R.T. 0.02 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

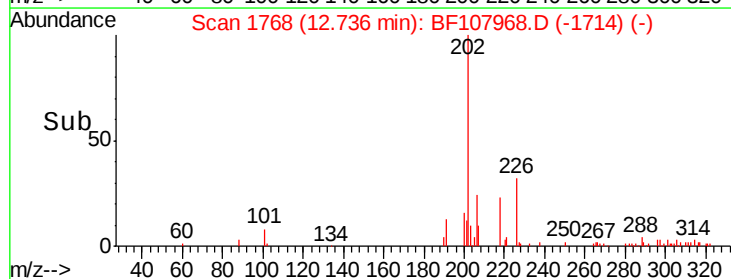
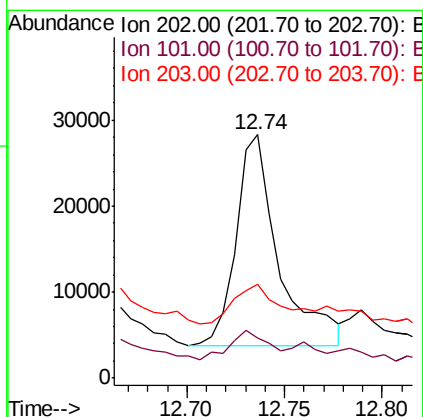
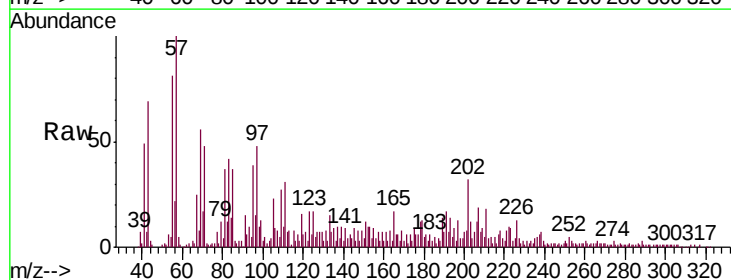
Tgt Ion:202 Resp: 36894

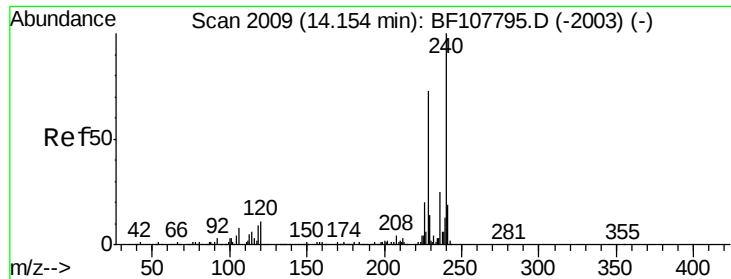
Ion Ratio Lower Upper

202 100

101 16.3 0.0 34.1

203 38.4 0.0 38.1#

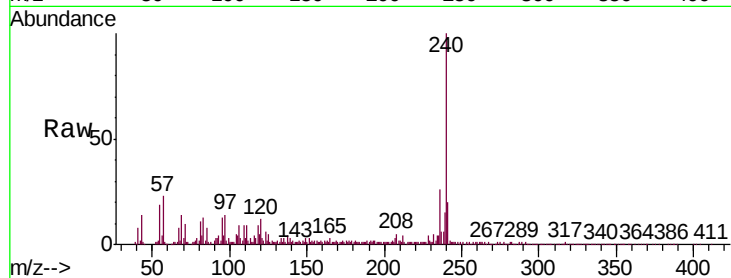




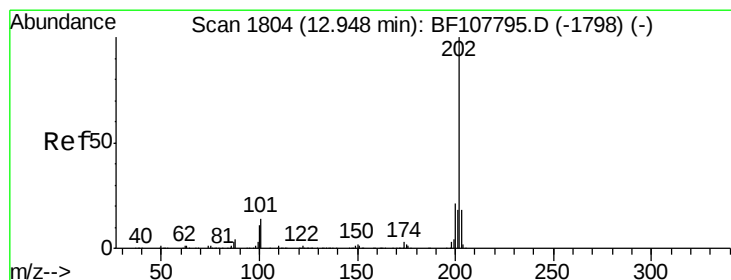
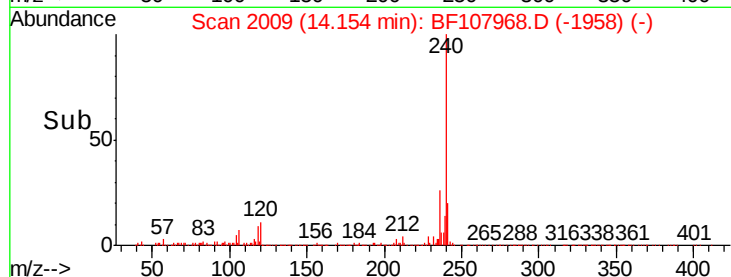
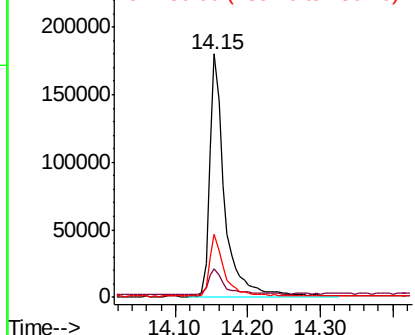
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BF107968.D
Acq: 4 Aug 2018 5:27

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion: 240 Resp: 254718
Ion Ratio Lower Upper
240 100
120 11.9 9.5 14.3
236 26.0 20.7 31.1

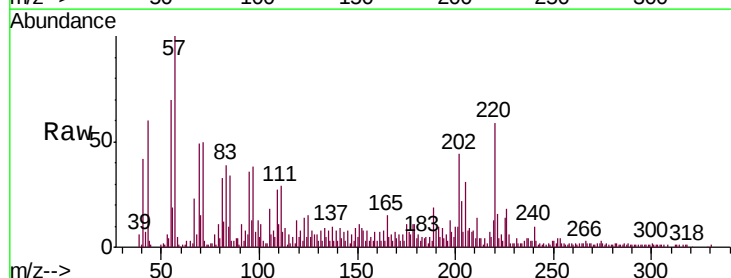


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

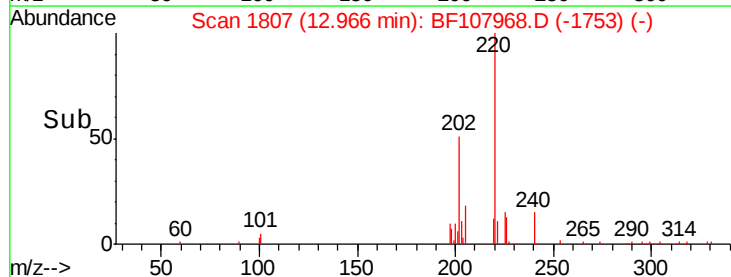
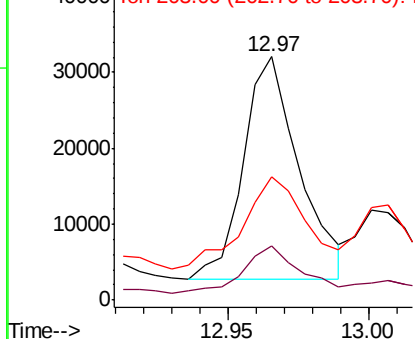


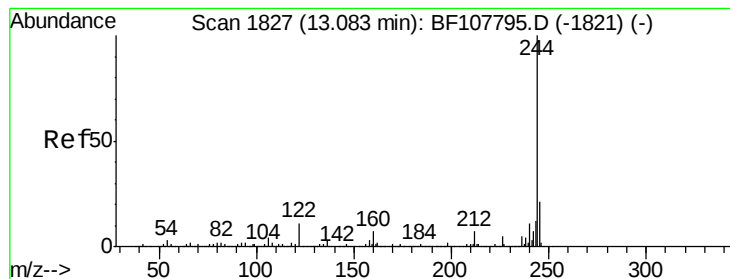
#77
Pyrene
Concen: 2.193 ng
RT: 12.97 min Scan# 1807
Delta R.T. 0.02 min
Lab File: BF107968.D
Acq: 4 Aug 2018 5:27

Tgt Ion: 202 Resp: 40219
Ion Ratio Lower Upper
202 100
200 22.0 17.4 26.2
203 50.5 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: 73.142 ng

RT: 13.09 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

Instrument :

BNA_F

ClientSampleId :

TP-2

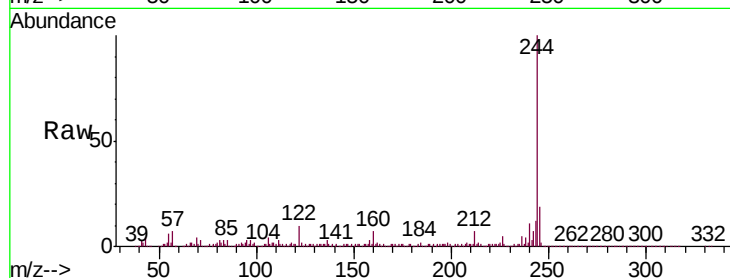
Tgt Ion:244 Resp: 859174

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

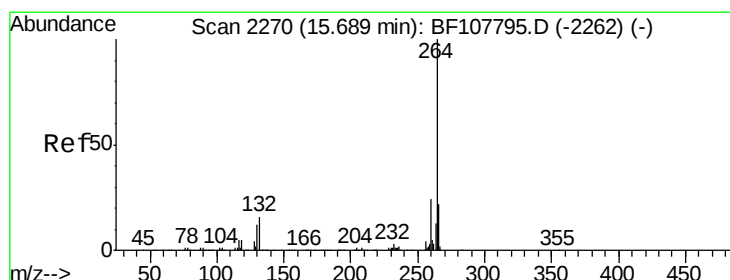
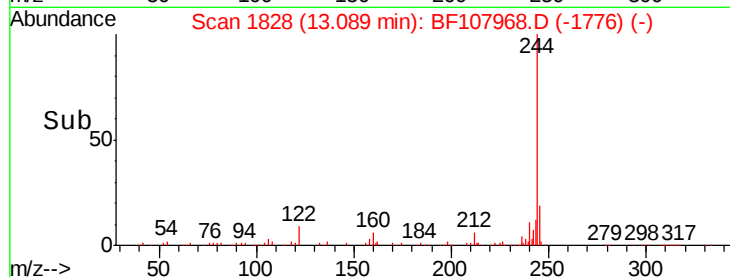
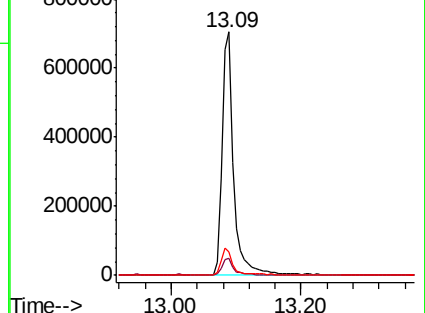
122 9.8 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2270

Delta R.T. 0.00 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

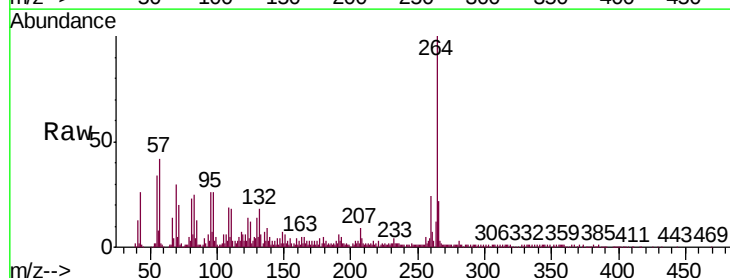
Tgt Ion:264 Resp: 201172

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

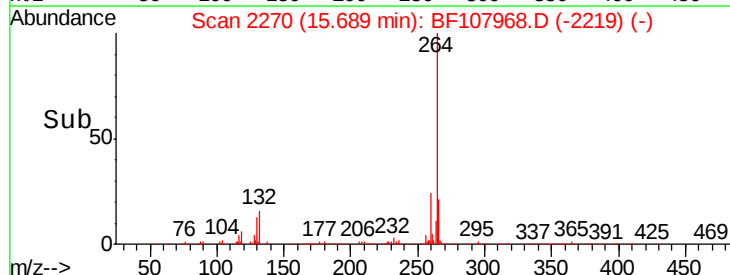
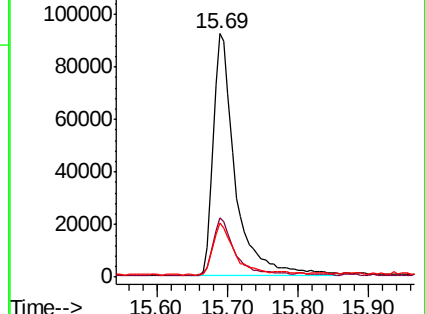
265 22.4 17.5 26.3

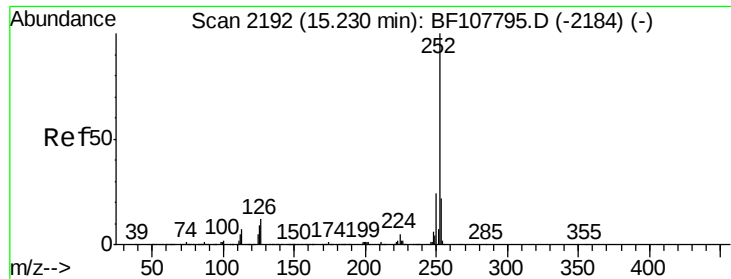


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.212 ng

RT: 15.24 min Scan# 2193

Delta R.T. 0.01 min

Lab File: BF107968.D

Acq: 4 Aug 2018 5:27

Instrument :

BNA_F

ClientSampleId :

TP-2

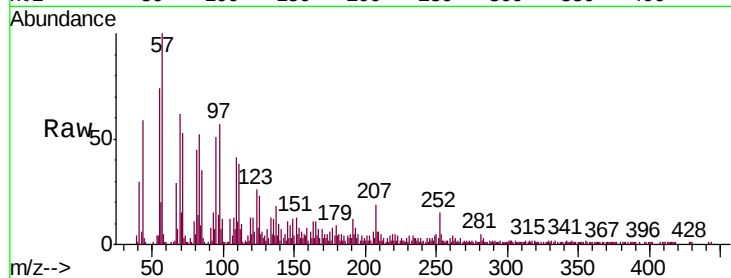
Tgt Ion:252 Resp: 21944

Ion Ratio Lower Upper

252 100

253 34.0 17.0 25.6#

125 152.0 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

