

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073018\
 Data File : BF107803.D
 Acq On : 30 Jul 2018 16:46
 Operator : JU/SJ
 Sample : PB111574BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB111574BL

Quant Time: Jul 30 18:08:26 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	6.96	152	173286	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	622470	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	295956	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	659556	20.00	ng	0.00
75) Chrysene-d12	14.15	240	538851	20.00	ng	0.00
86) Perylene-d12	15.68	264	447366	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1001856	98.26	ng	0.00
7) Phenol-d6	6.60	99	1369728	101.93	ng	0.00
23) Nitrobenzene-d5	7.52	82	722196	66.84	ng	-0.01
41) 2,4,6-Tribromophenol	10.79	330	399930	99.45	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	1506273	70.92	ng	0.00
78) Terphenyl-d14	13.08	244	1767040	71.11	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.80	88	229	5.836	ng	# 1
4) n-Nitrosodimethylamine	3.59	42	145	0.028	ng	# 1
6) Aniline	6.74	93	1209	0.086	ng	# 1
8) 2-Chlorophenol	6.75	128	228	0.018	ng	# 1
9) Benzaldehyde	6.74	77	23776	2.933	ng	82
10) Phenol	6.60	94	423	0.026	ng	# 1
11) bis(2-Chloroethyl)ether	6.74	93	1209	0.085	ng	# 1
12) 1,3-Dichlorobenzene	7.11	146	110	0.008	ng	# 1
13) 1,4-Dichlorobenzene	7.11	146	110	0.007	ng	# 1
14) 1,2-Dichlorobenzene	7.11	146	110	0.008	ng	# 1
15) Benzyl Alcohol	7.11	79	13885	1.662	ng	# 43
16) 2,2'-oxybis(1-Chloropropan	7.21	45	361	0.018	ng	70
18) Hexachloroethane	7.49	117	118	0.022	ng	# 2
19) n-Nitroso-di-n-propylamine	7.52	70	86218	10.114	ng	# 82
24) Nitrobenzene	7.52	77	1826	0.161	ng	# 26
25) Isophorone	7.52	82	724716	40.861	ng	# 64
31) Naphthalene	8.27	128	236	0.008	ng	# 68
45) 1,1'-Biphenyl	9.42	154	1949	0.072	ng	# 57
47) 2-Nitroaniline	9.31	65	1952	0.295	ng	# 1
48) Acenaphthylene	9.86	152	128	0.004	ng	# 60
50) 2,6-Dinitrotoluene	10.00	165	38162	7.901	ng	# 26
51) Acenaphthene	10.00	154	897	0.049	ng	# 4
56) 2,4-Dinitrotoluene	10.00	165	38848	6.119	ng	# 23
57) Fluorene	10.79	166	13822	0.629	ng	# 91
59) Diethylphthalate	10.41	149	7592	0.318	ng	# 92
62) Azobenzene	10.79	77	1288	0.058	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.79	198	446	0.124	ng	# 8
65) n-Nitrosodiphenylamine	10.79	169	9974	0.459	ng	# 47
66) 4-Bromophenyl-phenylether	10.79	248	22165	2.883	ng	# 1
70) Phenanthrene	11.52	178	410	0.013	ng	# 59
71) Anthracene	11.52	178	410	0.011	ng	# 60
73) Di-n-butylphthalate	12.04	149	1704	0.044	ng	# 78
74) Fluoranthene	12.95	202	117	0.003	ng	# 62
76) Benzidine	13.08	184	21085	1.210	ng	# 95

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073018\
Data File : BF107803.D
Acq On : 30 Jul 2018 16:46
Operator : JU/SJ
Sample : PB111574BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

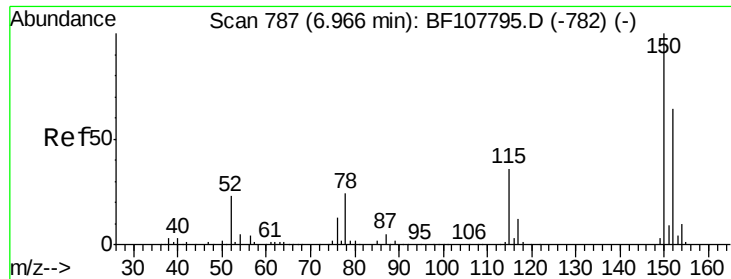
Instrument :
BNA_F
ClientSampleId :
PB111574BL

Quant Time: Jul 30 18:08:26 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)
77) Pyrene	13.08	202	5719	0.147	ng	# 84
79) Butylbenzylphthalate	13.54	149	125	0.007	ng	# 67
80) Benzo(a)anthracene	14.15	228	1129	0.037	ng	# 53
82) Chrysene	14.15	228	1129	0.034	ng	# 52
83) Bis(2-ethylhexyl)phthalate	14.09	149	1089	0.051	ng	# 53
84) Di-n-octyl phthalate	14.72	149	461	0.013	ng	# 1
89) Benzo(a)pyrene	15.68	252	1788	0.078	ng	# 28

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

```
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073018\  
Data File : BF107803.D  
Acq On    : 30 Jul 2018  16:46  
Operator  : JU/SJ  
Sample    : PB111574BL  
Misc      :  
ALS Vial  : 4      Sample Multiplier: 1
```

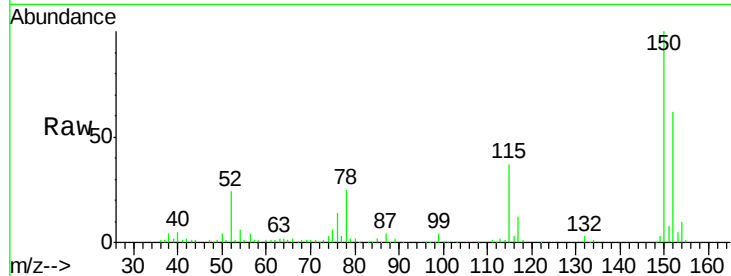


#1

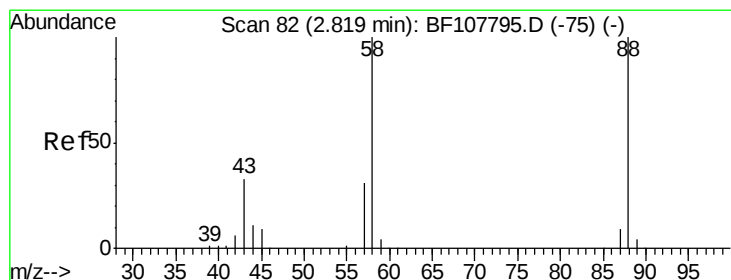
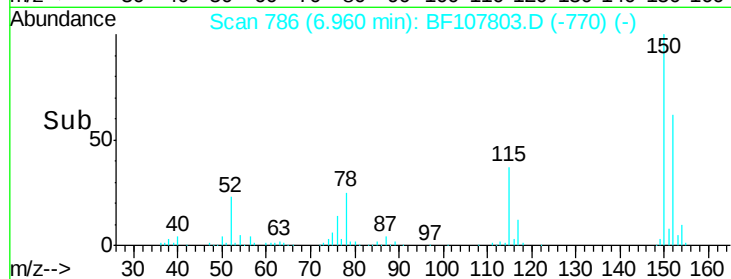
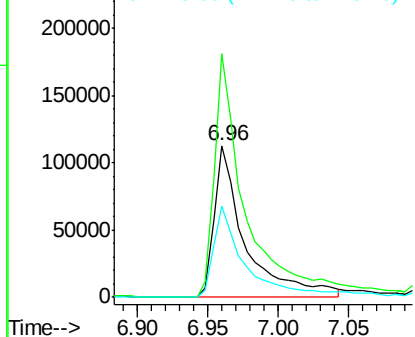
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107803.D
Acq: 30 Jul 2018 16:46

Instrument :
BNA_F
ClientSampleId :
PB111574BL

Tgt Ion:152 Resp: 173286
Ion Ratio Lower Upper
152 100
150 160.6 124.6 186.8
115 60.2 50.1 75.1



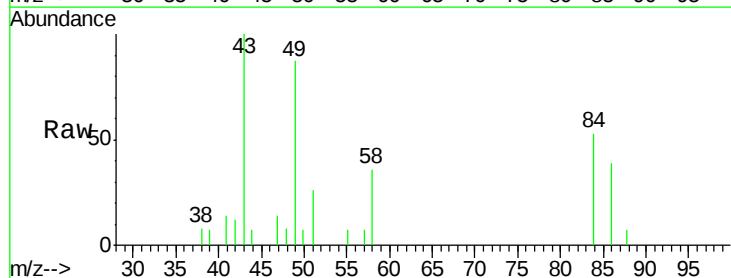
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



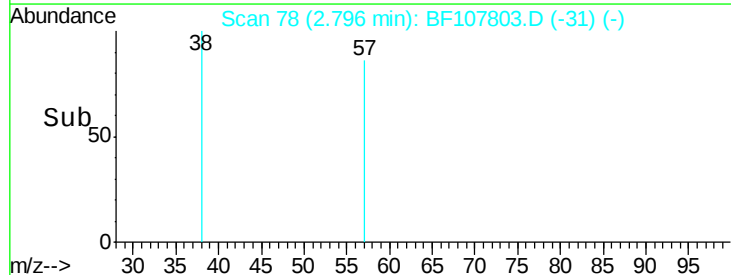
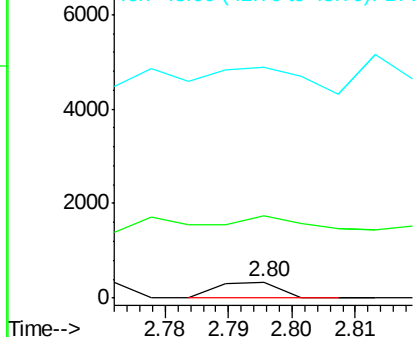
#2

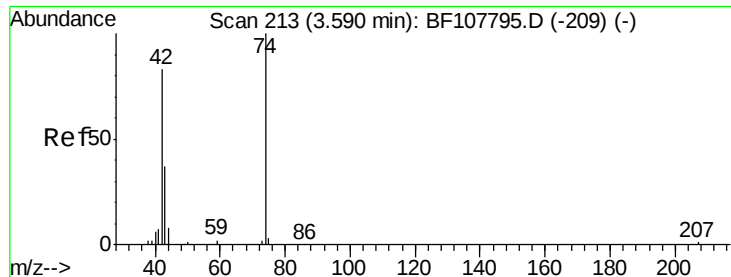
1,4-Dioxane
Concen: 5.836 ng
RT: 2.80 min Scan# 78
Delta R.T. -0.02 min
Lab File: BF107803.D
Acq: 30 Jul 2018 16:46

Tgt Ion: 88 Resp: 229
Ion Ratio Lower Upper
88 100
58 212.2 62.6 93.8#
43 201.7 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#4

n-Nitrosodimethylamine

Concen: 0.028 ng

RT: 3.59 min Scan# 213

Delta R.T. -0.00 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

Instrument :

BNA_F

ClientSampleId :

PB111574BL

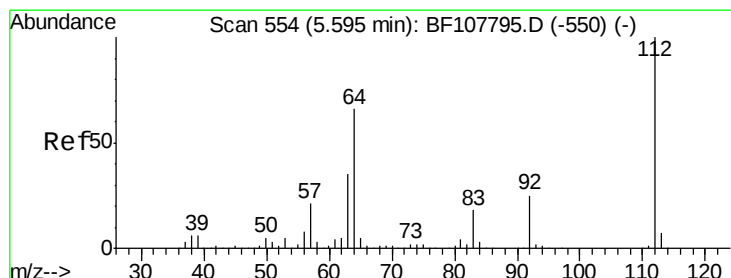
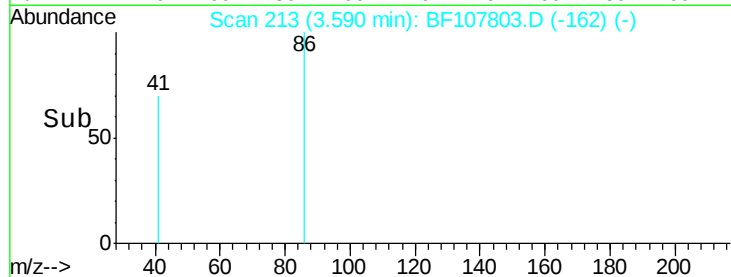
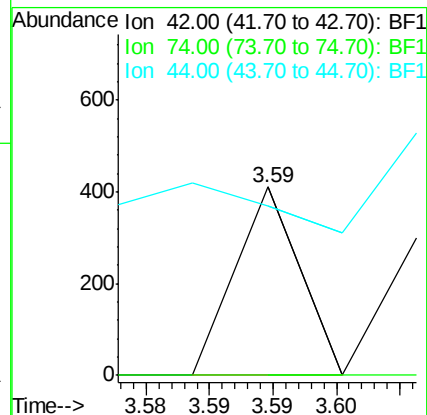
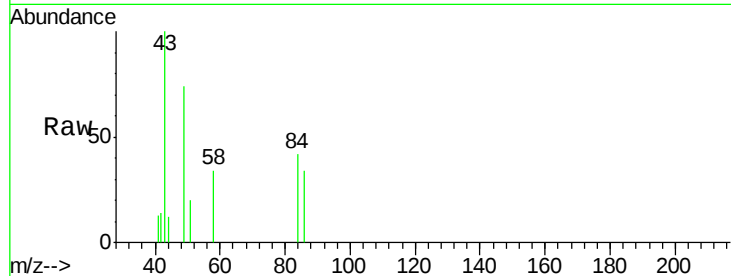
Tgt Ion: 42 Resp: 145

Ion Ratio Lower Upper

42 100

74 0.0 104.9 157.3#

44 90.2 6.9 10.3#



#5

2-Fluorophenol

Concen: 98.260 ng

RT: 5.60 min Scan# 555

Delta R.T. 0.01 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

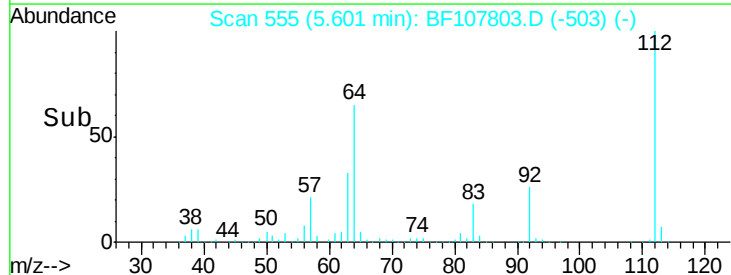
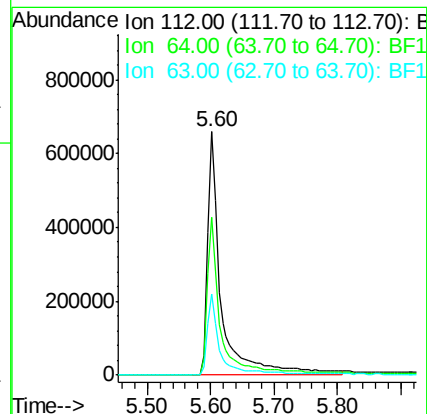
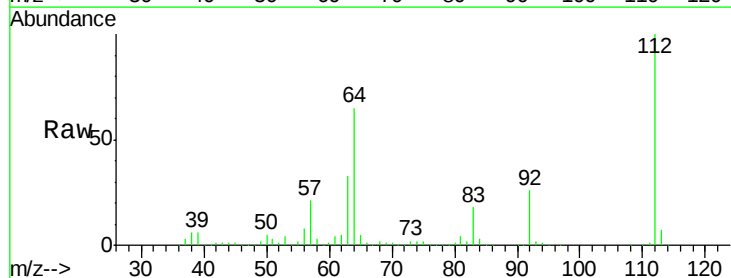
Tgt Ion: 112 Resp: 1001856

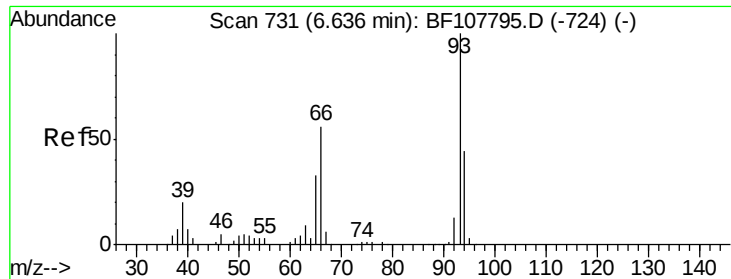
Ion Ratio Lower Upper

112 100

64 64.6 47.9 71.9

63 33.3 23.7 35.5





#6

Aniline

Concen: 0.086 ng

RT: 6.74 min Scan# 749

Delta R.T. 0.11 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

Instrument :

BNA_F

ClientSampleId :

PB111574BL

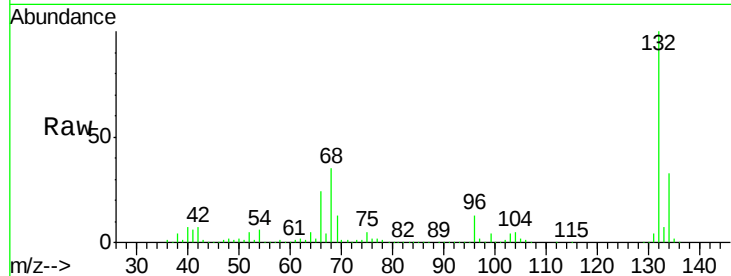
Tgt Ion: 93 Resp: 1209

Ion Ratio Lower Upper

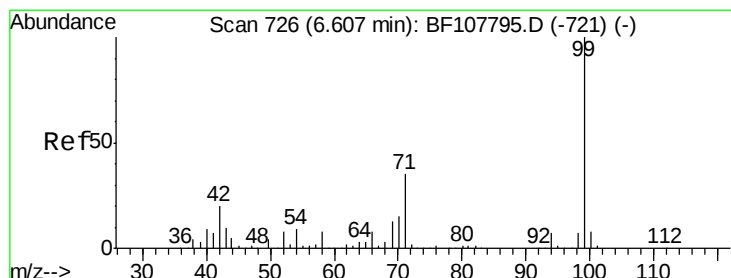
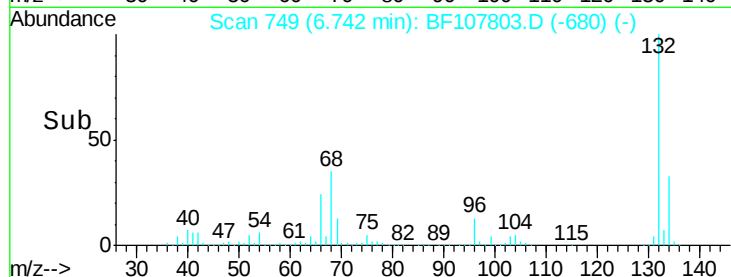
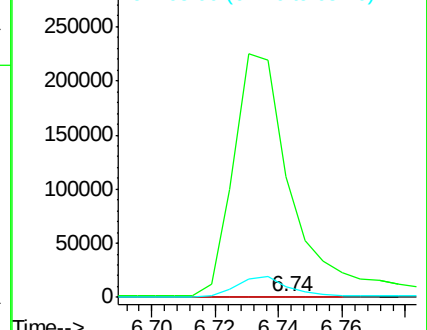
93 100

66 13430.8 32.2 48.2#

65 1225.1 16.4 24.6#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 101.931 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

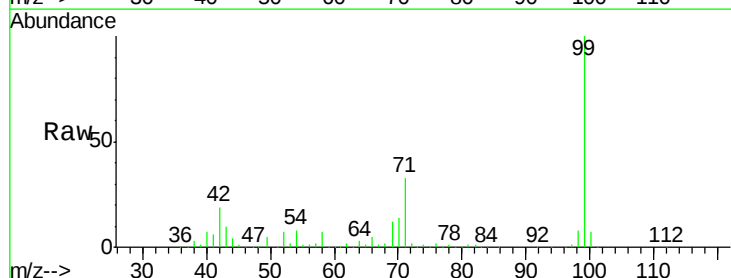
Tgt Ion: 99 Resp: 1369728

Ion Ratio Lower Upper

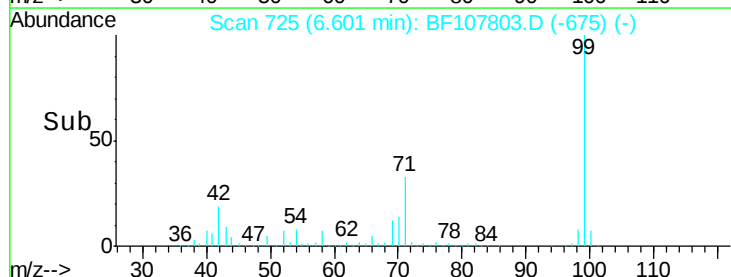
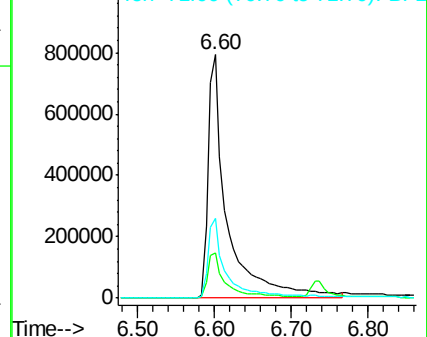
99 100

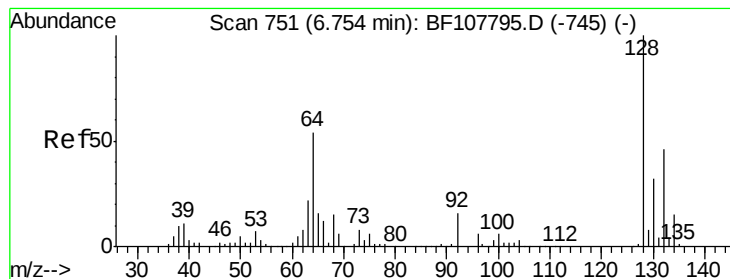
42 18.6 14.5 21.7

71 32.6 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





#8

2-Chlorophenol

Concen: 0.018 ng

RT: 6.75 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

Instrument :

BNA_F

ClientSampleId :

PB111574BL

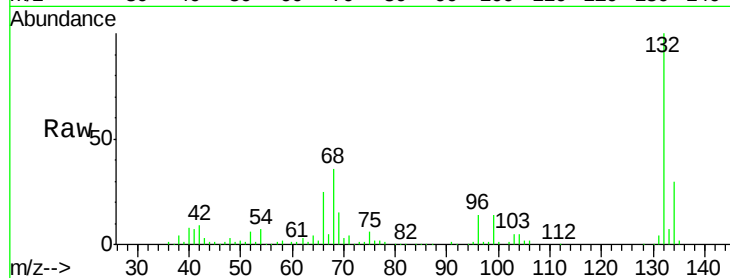
Tgt Ion:128 Resp: 228

Ion Ratio Lower Upper

128 100

130 140.3 13.0 53.0#

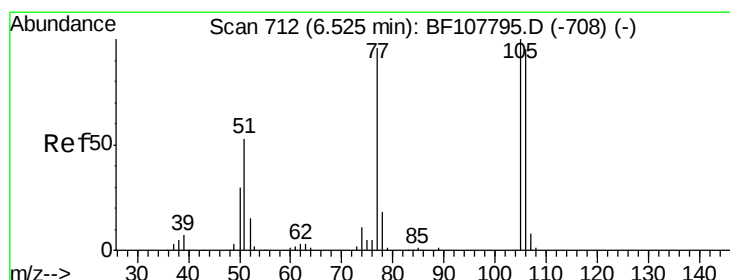
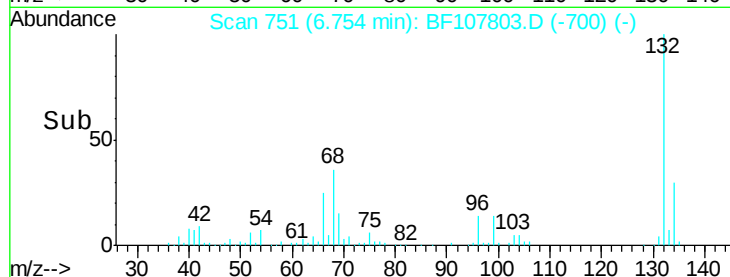
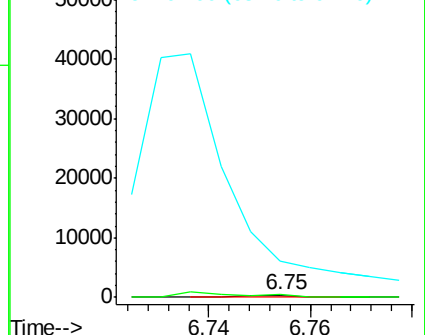
64 1738.3 29.4 69.4#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1



#9

Benzaldehyde

Concen: 2.933 ng

RT: 6.74 min Scan# 748

Delta R.T. 0.21 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

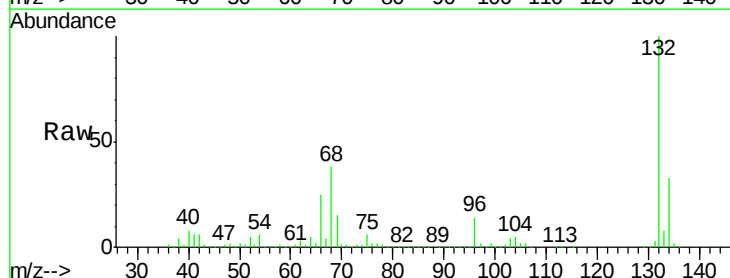
Tgt Ion: 77 Resp: 23776

Ion Ratio Lower Upper

77 100

105 82.3 81.1 121.1

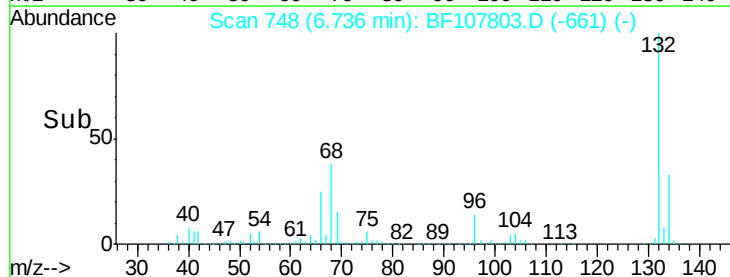
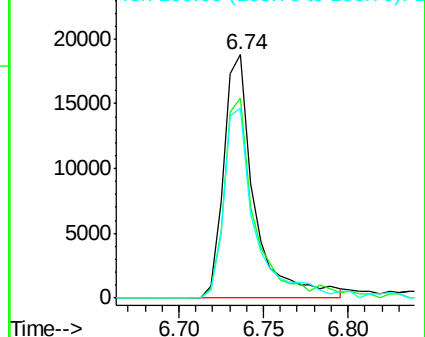
106 77.8 74.5 114.5

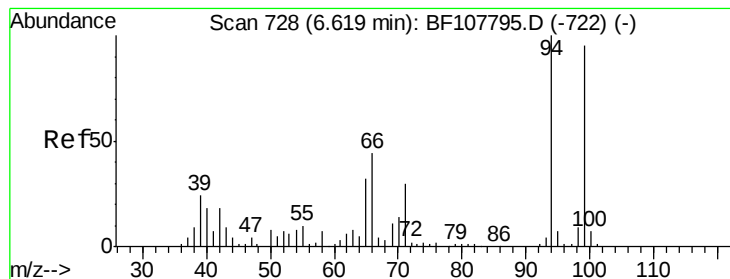


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.026 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

Instrument :

BNA_F

ClientSampleId :

PB111574BL

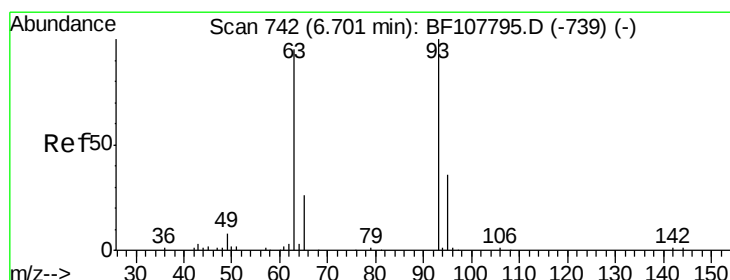
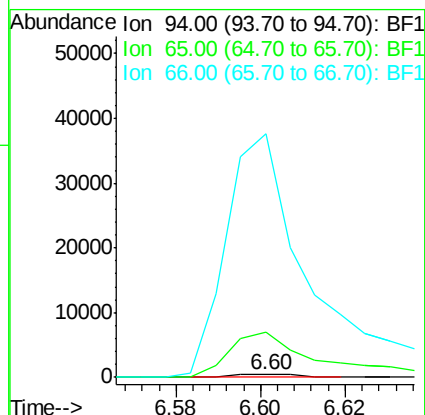
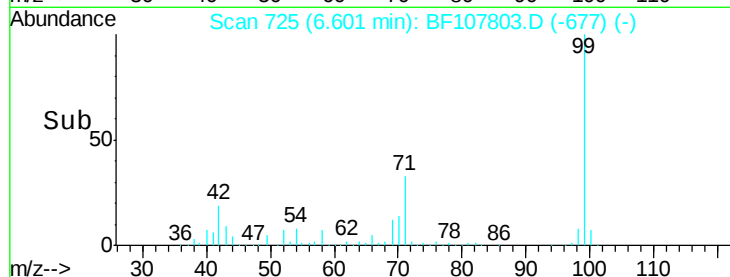
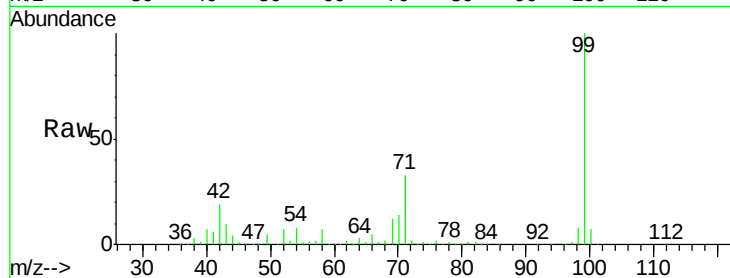
Tgt Ion: 94 Resp: 423

Ion Ratio Lower Upper

94 100

65 1597.9 7.9 47.9#

66 8627.5 16.2 56.2#



#11

bis(2-Chloroethyl)ether

Concen: 0.085 ng

RT: 6.74 min Scan# 749

Delta R.T. 0.04 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

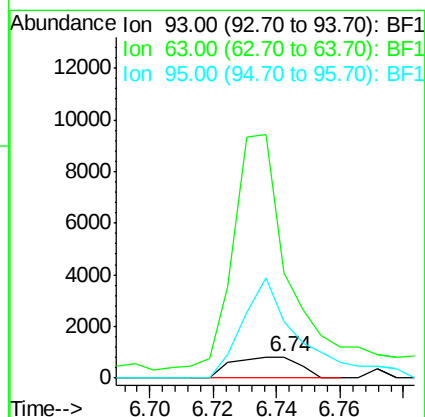
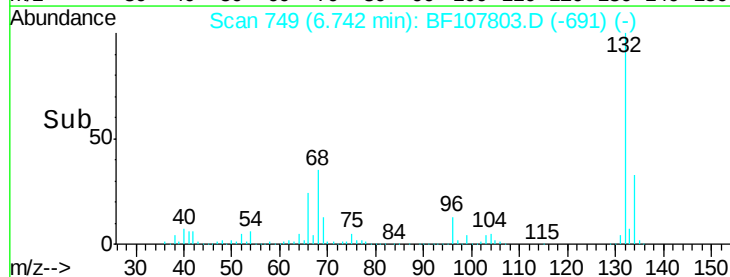
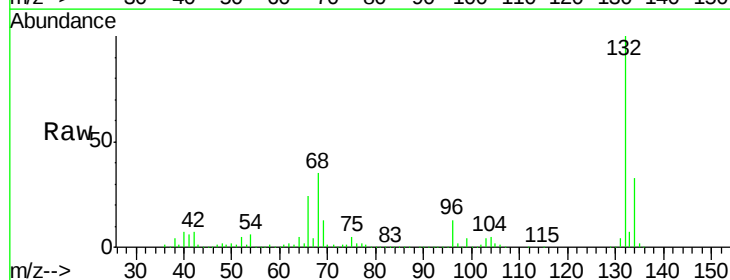
Tgt Ion: 93 Resp: 1209

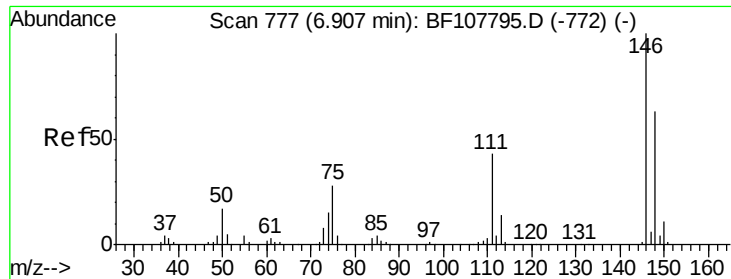
Ion Ratio Lower Upper

93 100

63 489.8 58.6 98.6#

95 261.4 11.8 51.8#





#12

1,3-Dichlorobenzene

Concen: 0.008 ng

RT: 7.11 min Scan# 812

Delta R.T. 0.21 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

Instrument :

BNA_F

ClientSampled :

PB111574BL

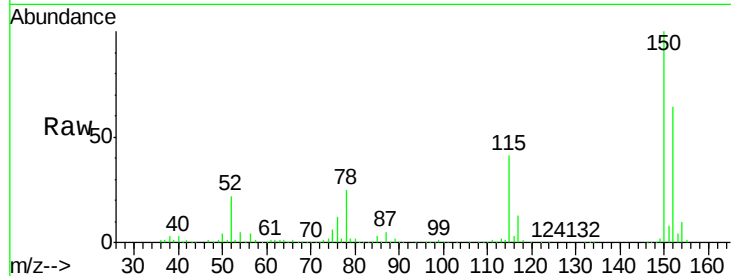
Tgt Ion:146 Resp: 110

Ion Ratio Lower Upper

146 100

148 403.5 51.8 77.8#

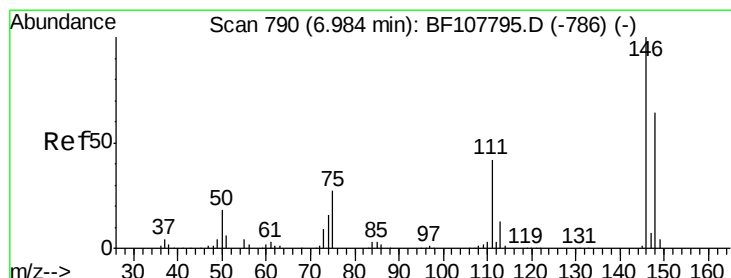
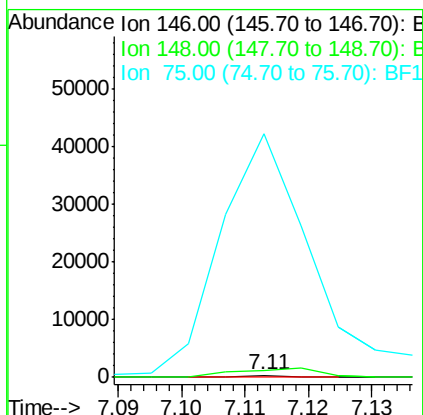
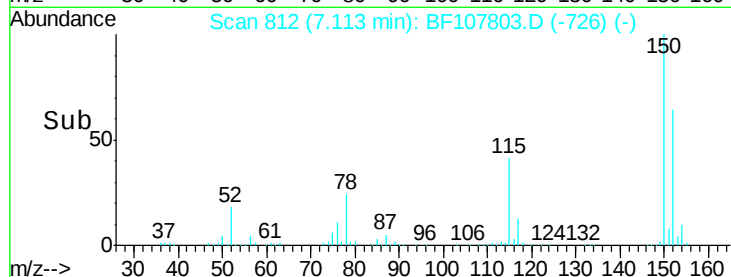
75 13579.4 24.2 36.4#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1



#13

1,4-Dichlorobenzene

Concen: 0.007 ng

RT: 7.11 min Scan# 812

Delta R.T. 0.13 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

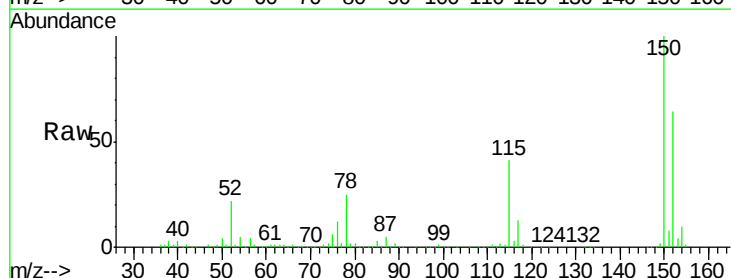
Tgt Ion:146 Resp: 110

Ion Ratio Lower Upper

146 100

148 403.5 50.8 76.2#

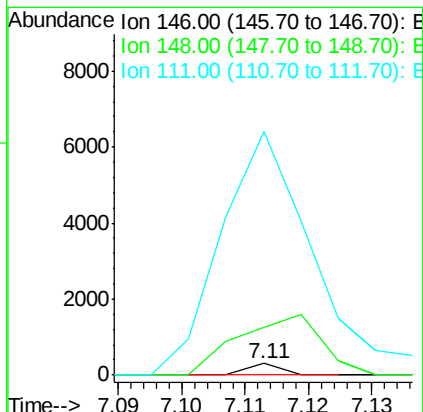
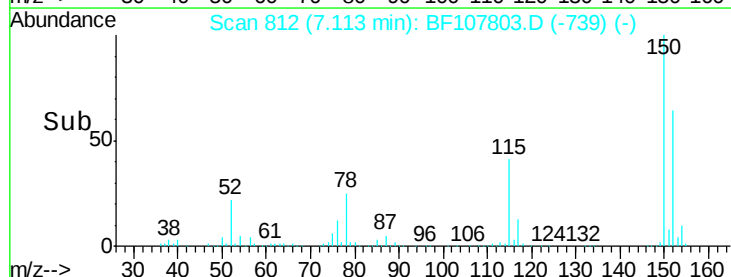
111 2059.5 34.2 51.2#

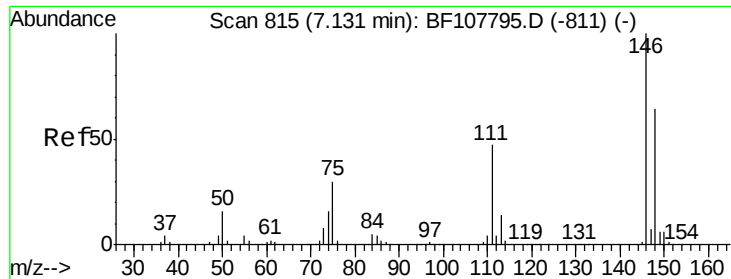


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 0.008 ng

RT: 7.11 min Scan# 812

Delta R.T. -0.02 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

Instrument :

BNA_F

ClientSampleId :

PB111574BL

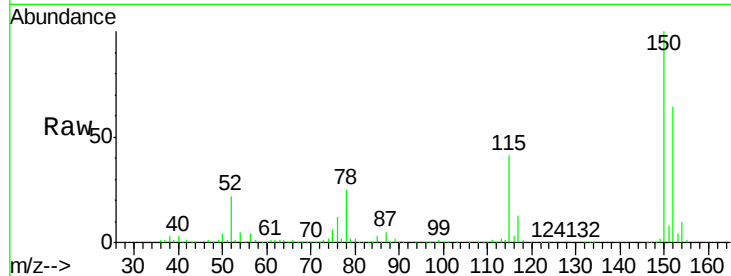
Tgt Ion:146 Resp: 110

Ion Ratio Lower Upper

146 100

148 403.5 50.6 75.8#

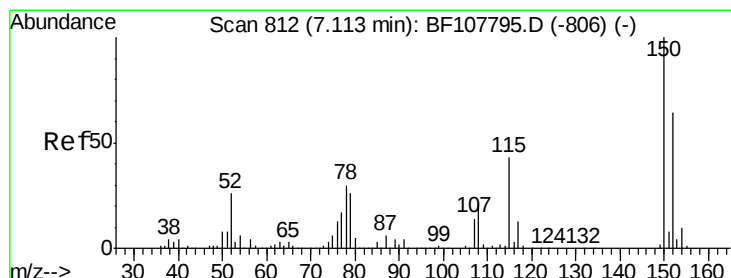
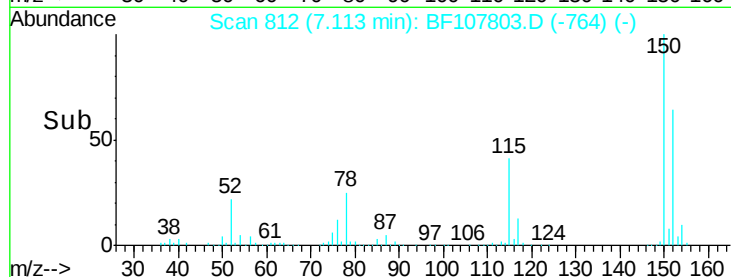
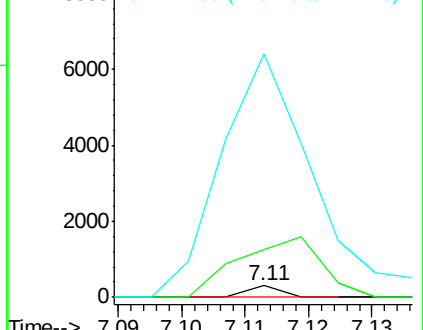
111 2059.5 36.0 54.0#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 1.662 ng

RT: 7.11 min Scan# 812

Delta R.T. -0.00 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

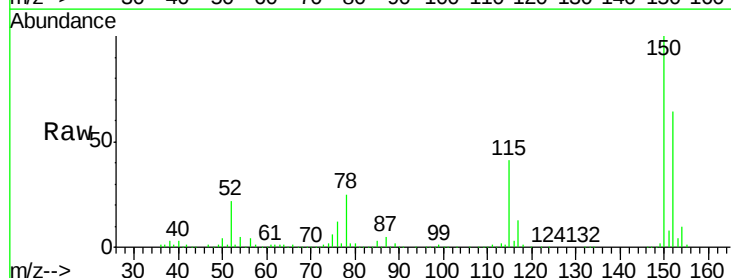
Tgt Ion: 79 Resp: 13885

Ion Ratio Lower Upper

79 100

108 28.6 65.1 97.7#

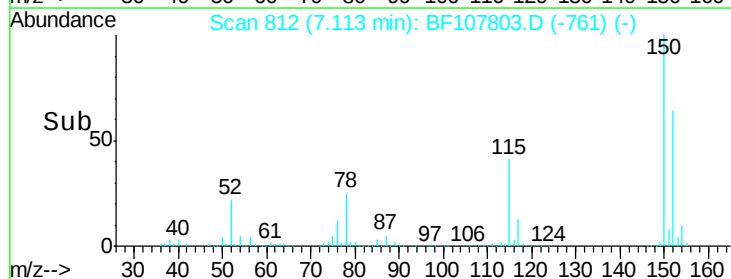
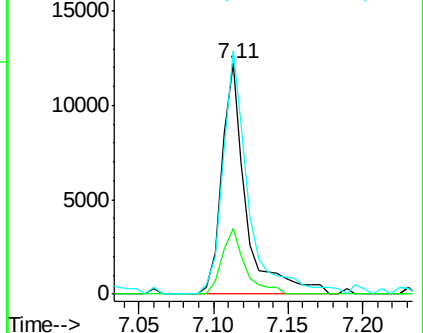
77 105.7 50.6 75.8#

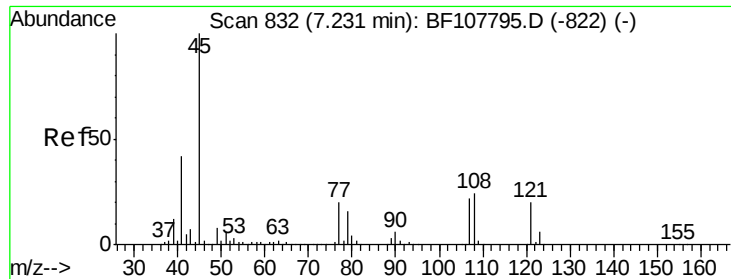


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

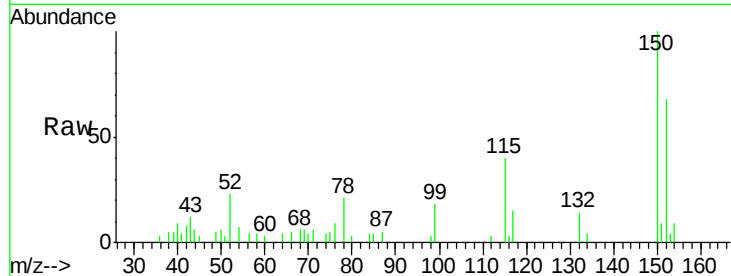




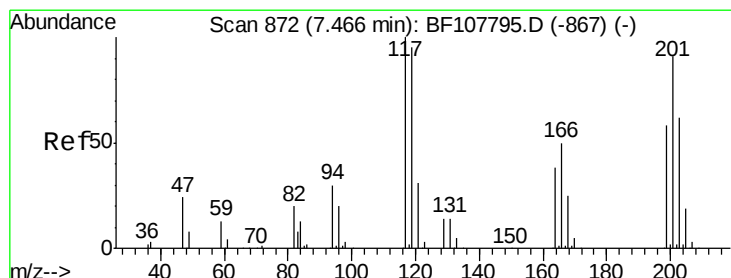
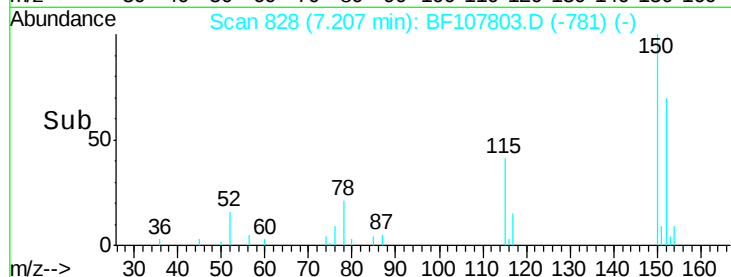
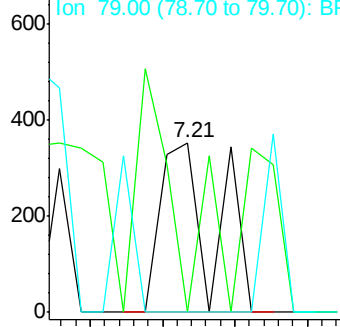
#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.018 ng
RT: 7.21 min Scan# 828
Delta R.T. -0.02 min
Lab File: BF107803.D
Acq: 30 Jul 2018 16:46

Instrument :
BNA_F
ClientSampleId :
PB111574BL

Tgt Ion: 45 Resp: 361
Ion Ratio Lower Upper
45 100
77 0.0 0.0 32.9
79 0.0 0.0 29.6

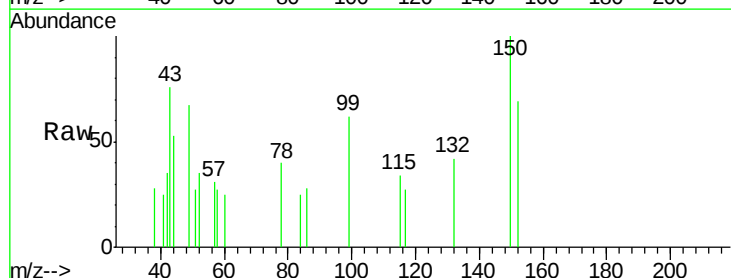


Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

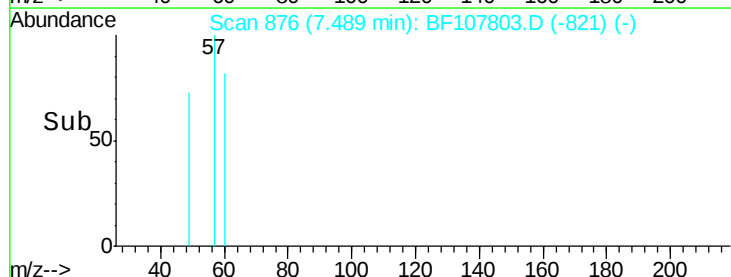
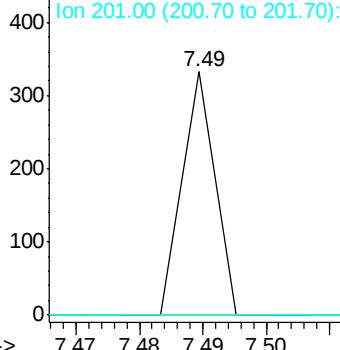


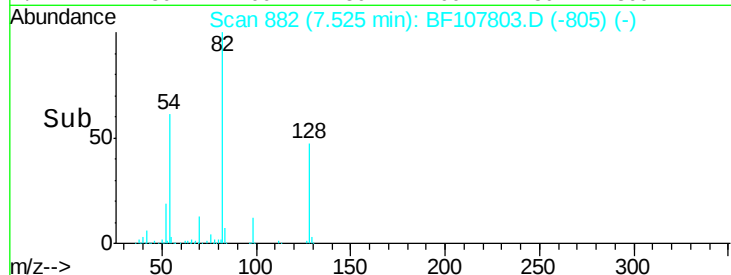
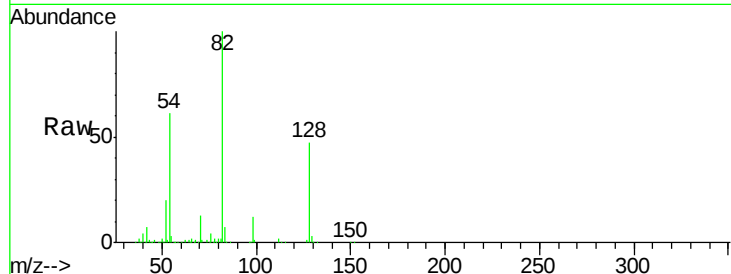
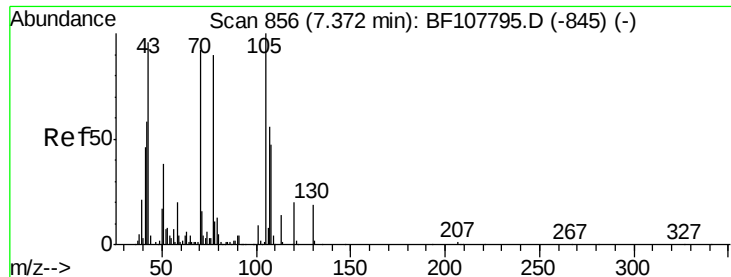
#18
Hexachloroethane
Concen: 0.022 ng
RT: 7.49 min Scan# 876
Delta R.T. 0.02 min
Lab File: BF107803.D
Acq: 30 Jul 2018 16:46

Tgt Ion: 117 Resp: 118
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
201 0.0 75.7 113.5#



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

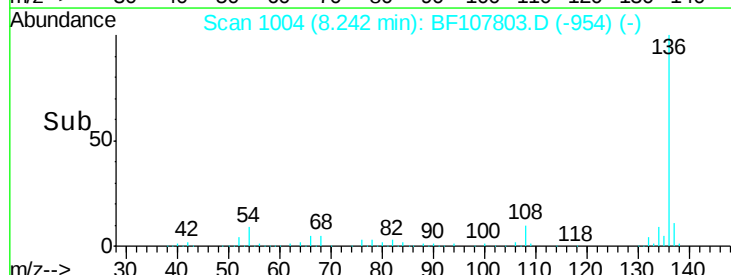
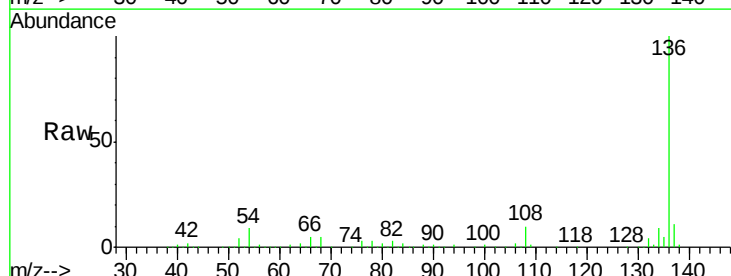
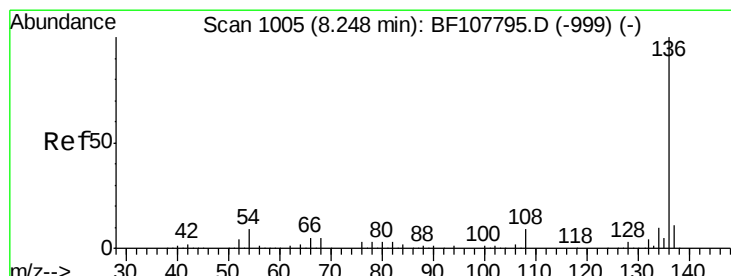
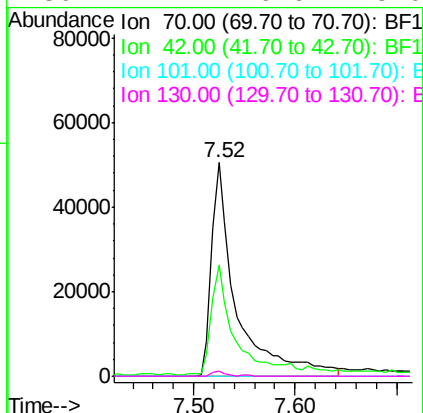




#19
n-Nitroso-di-n-propylamine
Concen: 10.114 ng
RT: 7.52 min Scan# 882
Delta R.T. 0.15 min
Lab File: BF107803.D
Acq: 30 Jul 2018 16:46

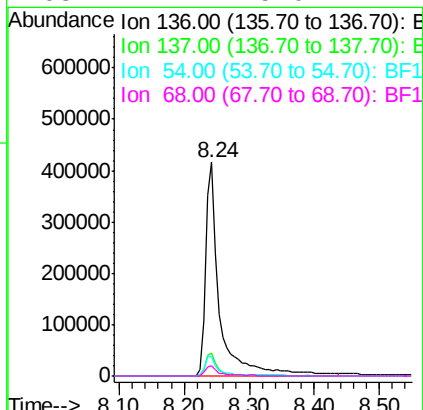
Instrument :
BNA_F
ClientSampleId :
PB111574BL

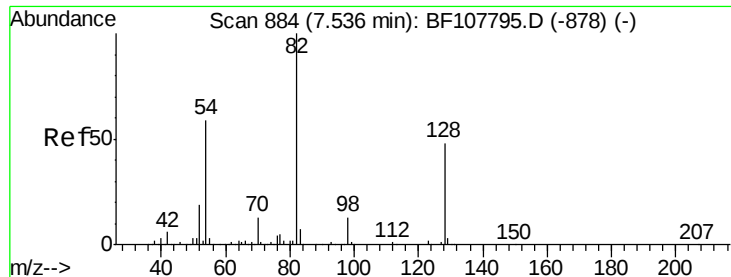
Tgt Ion: 70 Resp: 86218
Ion Ratio Lower Upper
70 100
42 52.3 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107803.D
Acq: 30 Jul 2018 16:46

Tgt Ion: 136 Resp: 622470
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.8 6.6 9.8
68 4.7 5.0 7.4#

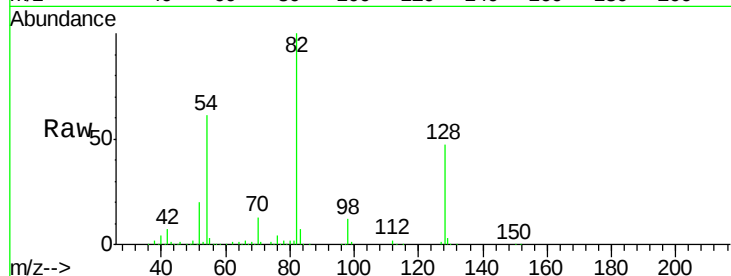




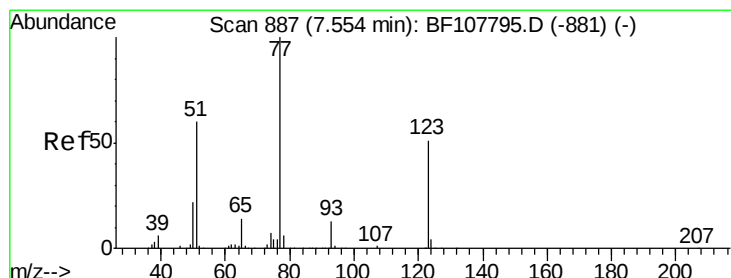
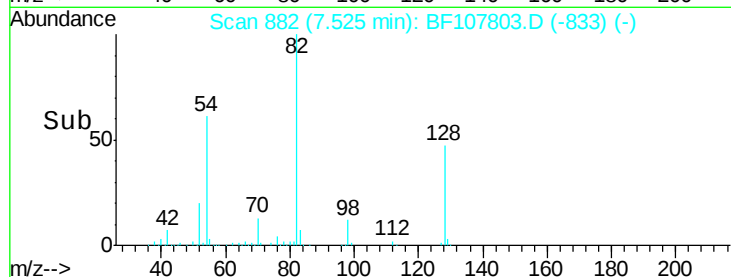
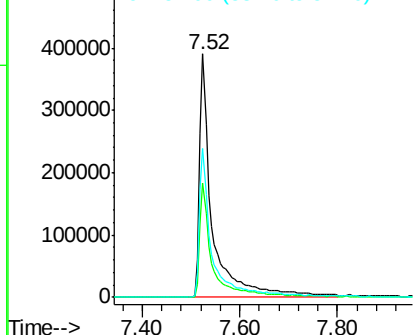
#23
 Nitrobenzene-d5
 Concen: 66.840 ng
 RT: 7.52 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF107803.D
 Acq: 30 Jul 2018 16:46

Instrument :
 BNA_F
 ClientSampleId :
 PB111574BL

Tgt Ion: 82 Resp: 722196
 Ion Ratio Lower Upper
 82 100
 128 46.9 36.1 54.1
 54 61.0 41.4 62.2

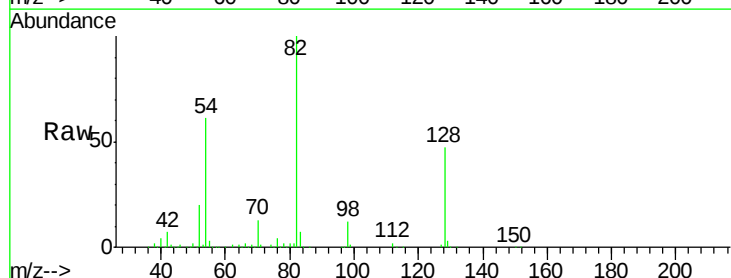


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

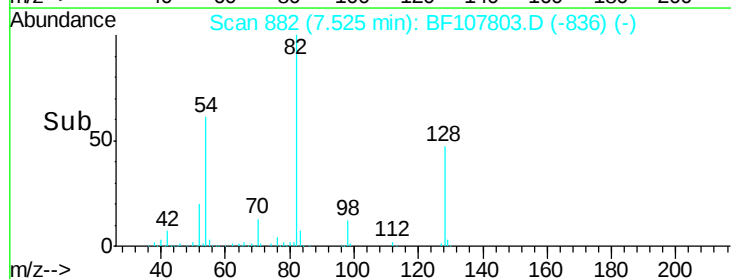
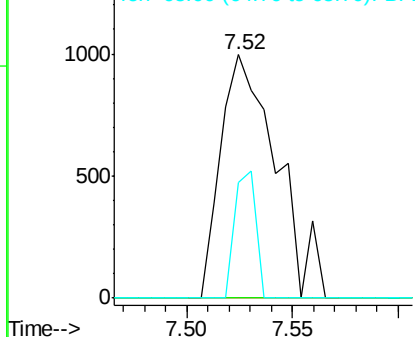


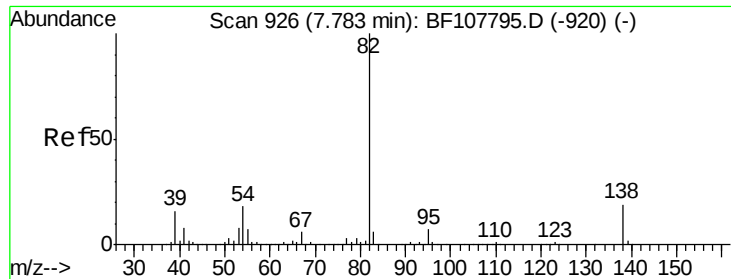
#24
 Nitrobenzene
 Concen: 0.161 ng
 RT: 7.52 min Scan# 882
 Delta R.T. -0.03 min
 Lab File: BF107803.D
 Acq: 30 Jul 2018 16:46

Tgt Ion: 77 Resp: 1826
 Ion Ratio Lower Upper
 77 100
 123 0.0 37.9 56.9#
 65 47.6 11.0 16.4#



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 40.861 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

Instrument :

BNA_F

ClientSampleId :

PB111574BL

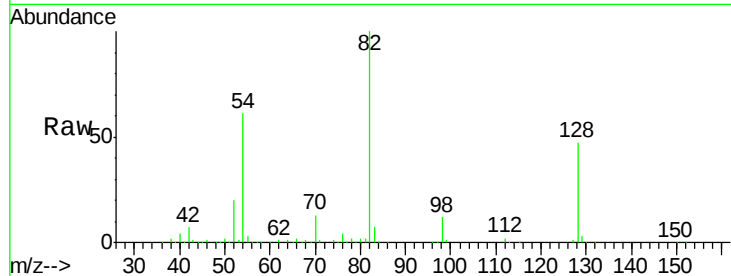
Tgt Ion: 82 Resp: 724716

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

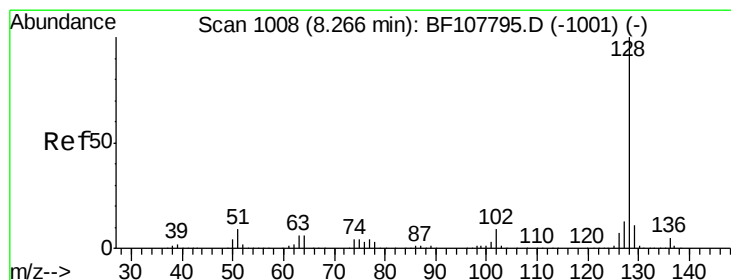
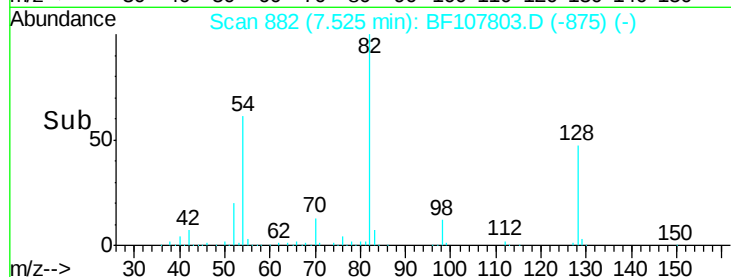
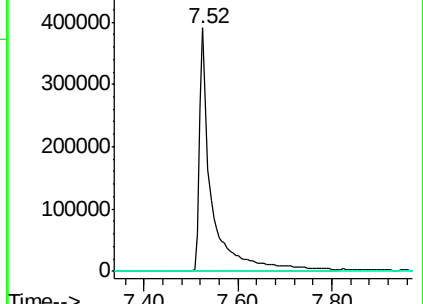
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 0.008 ng

RT: 8.27 min Scan# 1009

Delta R.T. 0.01 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

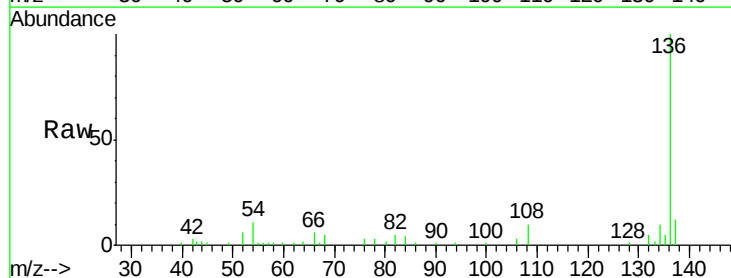
Tgt Ion: 128 Resp: 236

Ion Ratio Lower Upper

128 100

129 0.0 8.8 13.2#

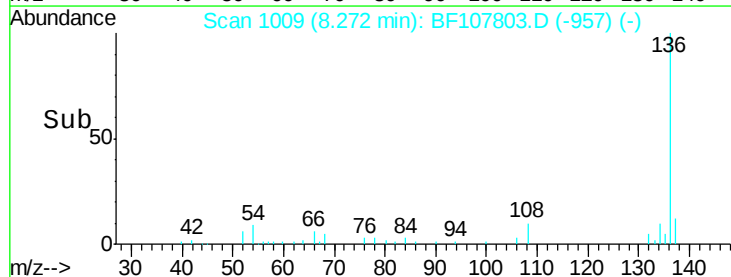
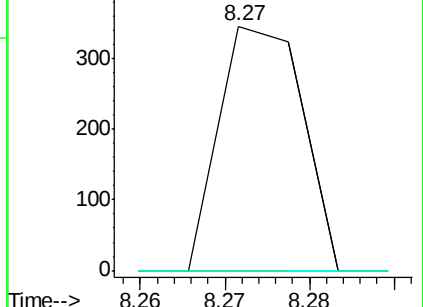
127 0.0 10.9 16.3#

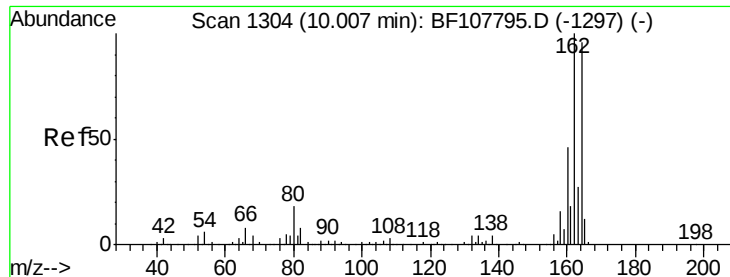


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

Instrument :

BNA_F

ClientSampleId :

PB111574BL

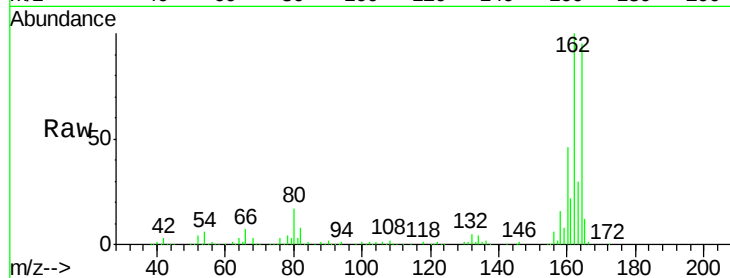
Tgt Ion:164 Resp: 295956

Ion Ratio Lower Upper

164 100

162 105.1 86.1 129.1

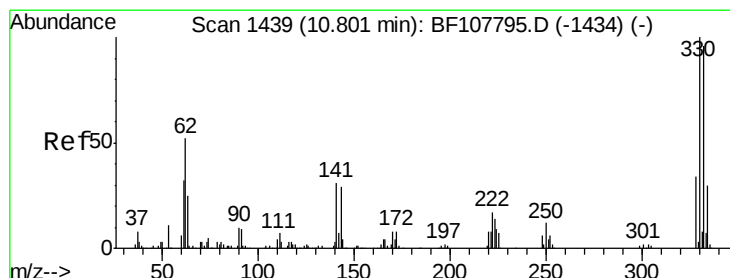
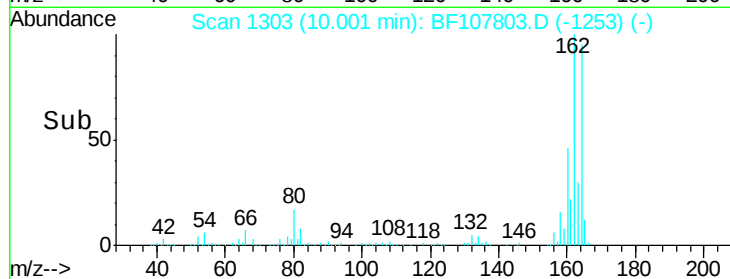
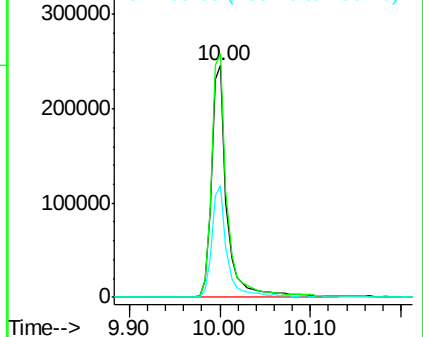
160 48.4 38.3 57.5



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: 99.449 ng

RT: 10.79 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

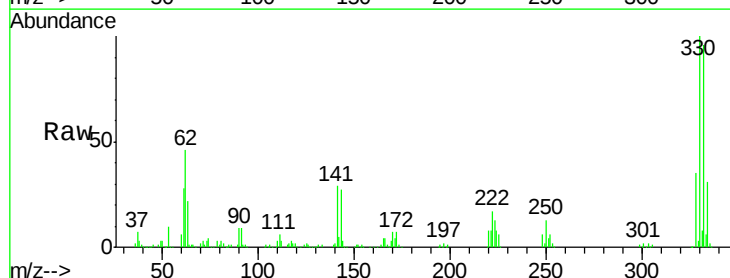
Tgt Ion:330 Resp: 399930

Ion Ratio Lower Upper

330 100

332 94.4 77.0 115.6

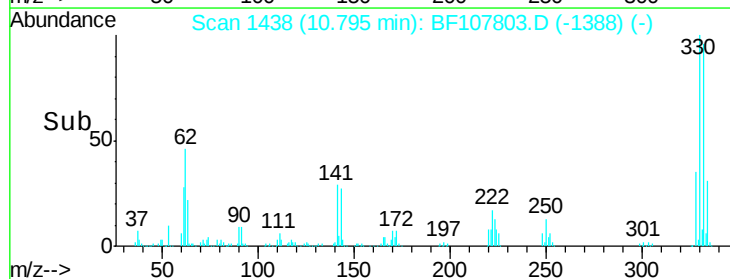
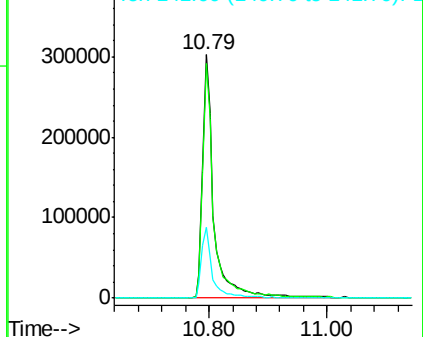
141 27.9 29.9 44.9#

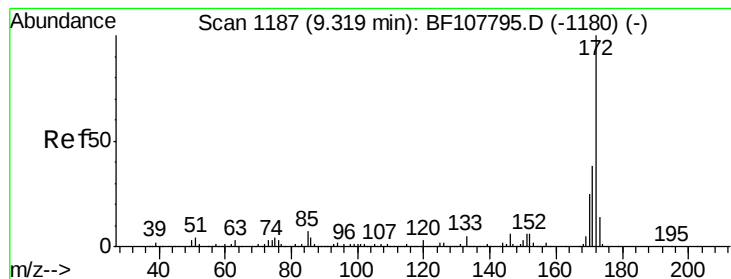


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 70.922 ng

RT: 9.31 min Scan# 1186

Delta R.T. -0.01 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

Instrument :

BNA_F

ClientSampleId :

PB111574BL

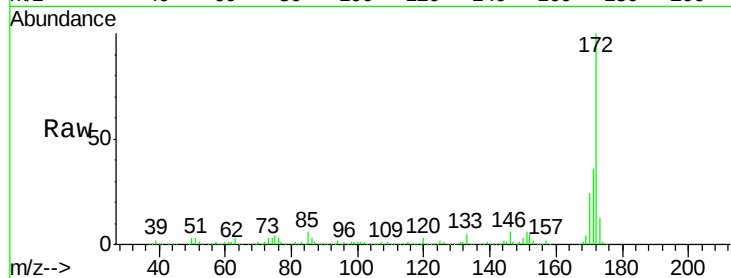
Tgt Ion:172 Resp: 1506273

Ion Ratio Lower Upper

172 100

171 35.7 29.7 44.5

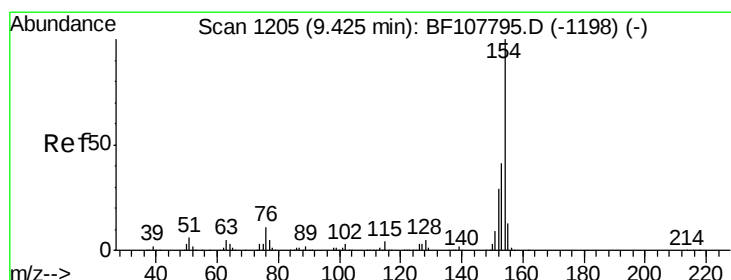
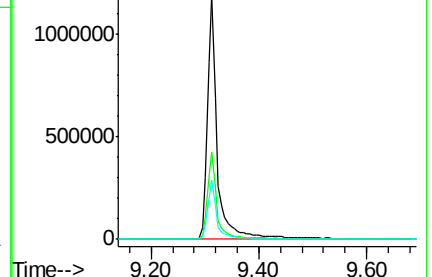
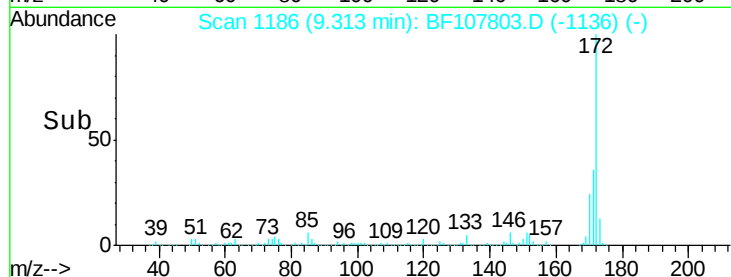
170 24.5 19.6 29.4



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: 0.072 ng

RT: 9.42 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

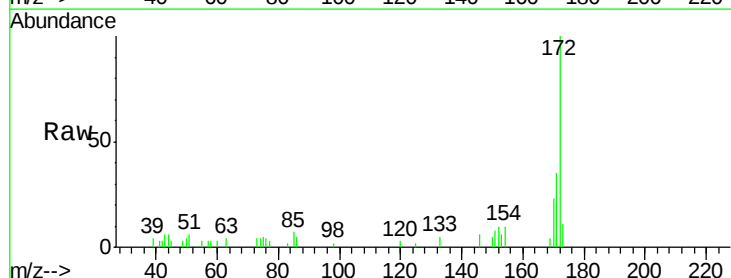
Tgt Ion:154 Resp: 1949

Ion Ratio Lower Upper

154 100

153 64.0 21.3 61.3#

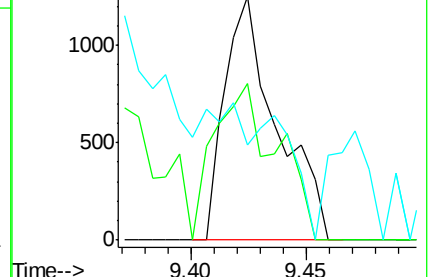
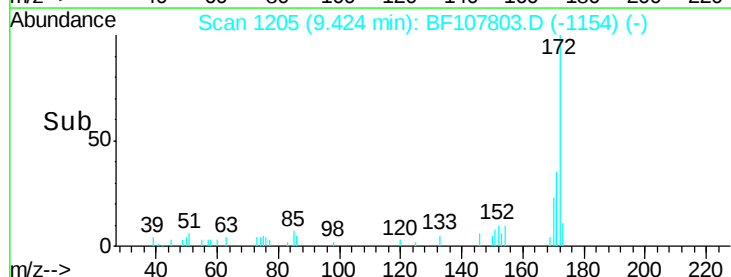
76 39.1 0.0 34.0#

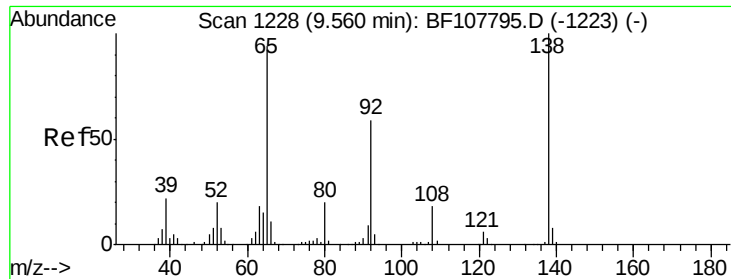


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

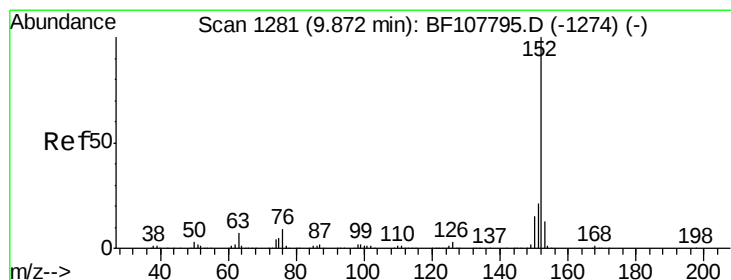
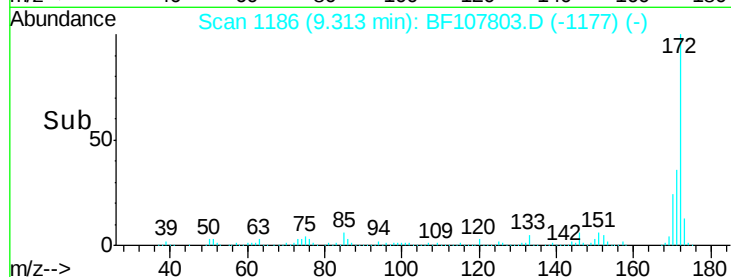
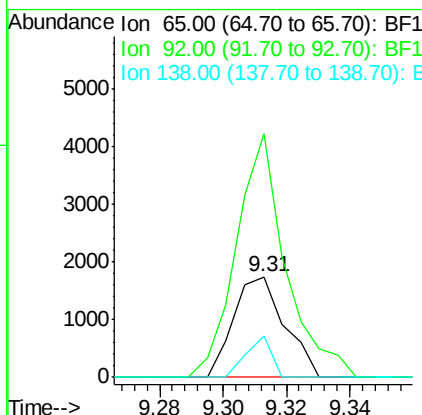
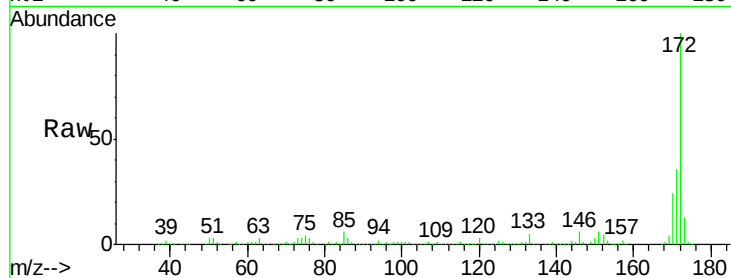




#47
2-Nitroaniline
Concen: 0.295 ng
RT: 9.31 min Scan# 1186
Delta R.T. -0.25 min
Lab File: BF107803.D
Acq: 30 Jul 2018 16:46

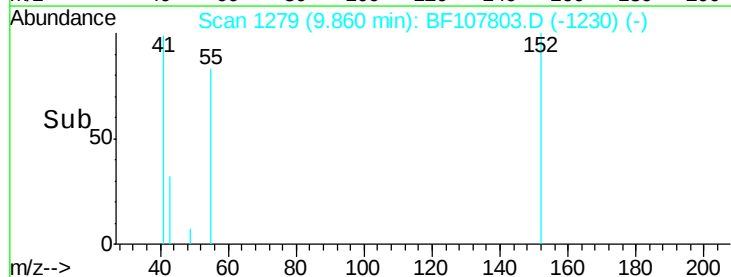
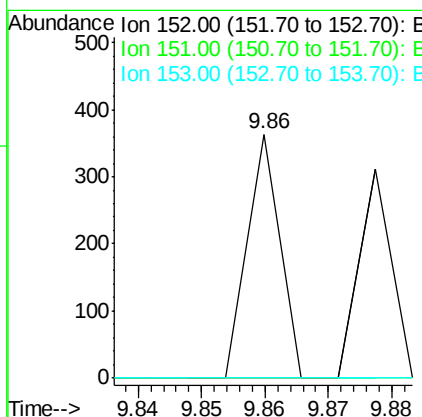
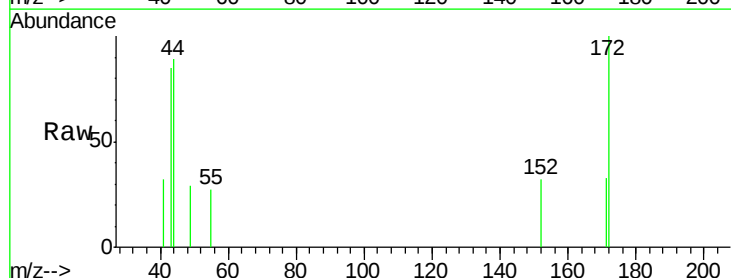
Instrument :
BNA_F
ClientSampled :
PB111574BL

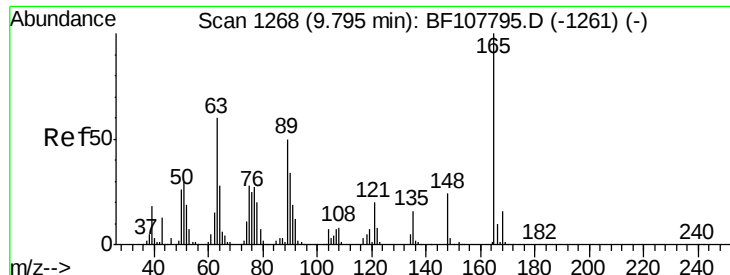
Tgt Ion: 65 Resp: 1952
Ion Ratio Lower Upper
65 100
92 241.8 55.8 83.6#
138 41.0 91.2 136.8#



#48
Acenaphthylene
Concen: 0.004 ng
RT: 9.86 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF107803.D
Acq: 30 Jul 2018 16:46

Tgt Ion: 152 Resp: 128
Ion Ratio Lower Upper
152 100
151 0.0 16.3 24.5#
153 0.0 10.7 16.1#

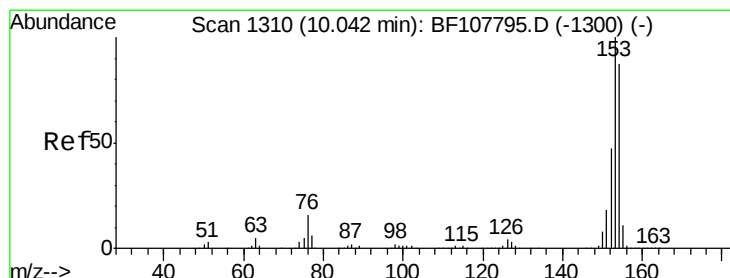
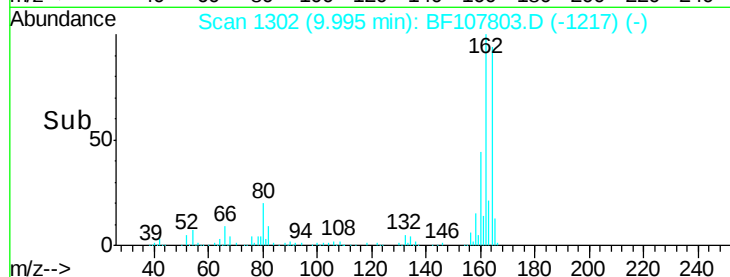
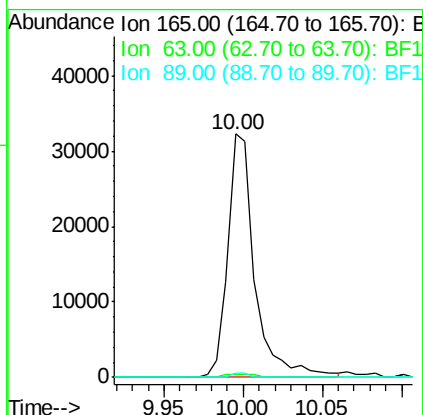
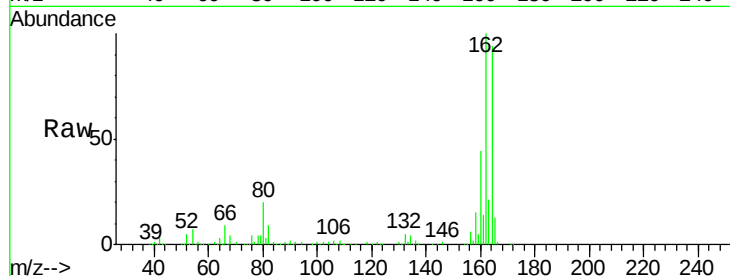




#50
 2,6-Dinitrotoluene
 Concen: 7.901 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. 0.20 min
 Lab File: BF107803.D
 Acq: 30 Jul 2018 16:46

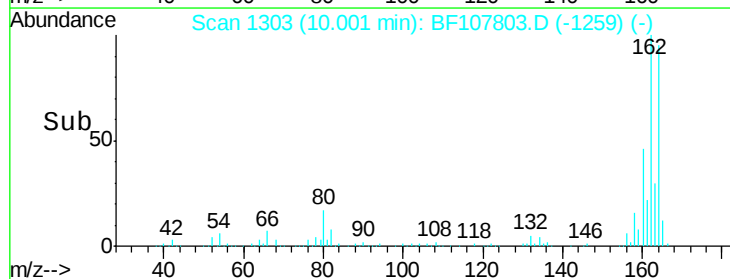
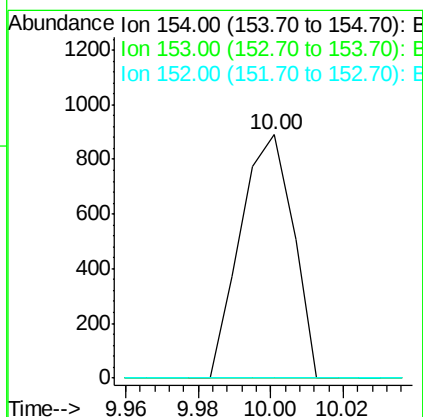
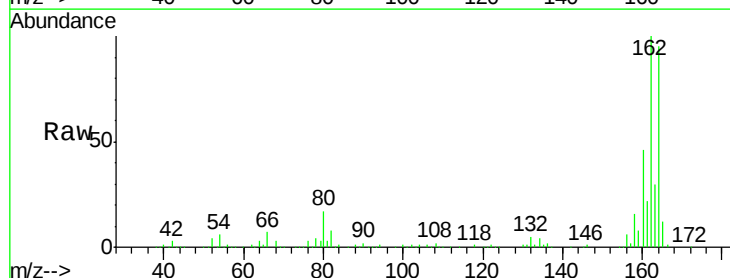
Instrument :
 BNA_F
 ClientSampleId :
 PB111574BL

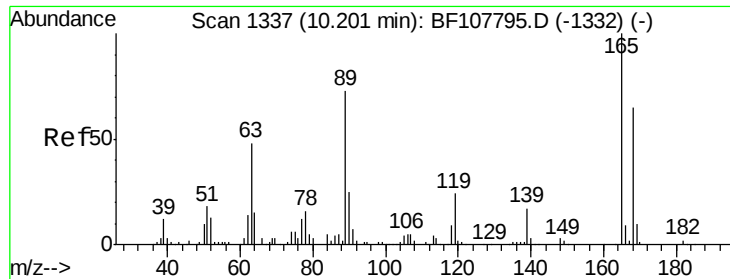
Tgt Ion:165 Resp: 38162
 Ion Ratio Lower Upper
 165 100
 63 1.5 44.7 67.1#
 89 1.5 44.0 66.0#



#51
 Acenaphthene
 Concen: 0.049 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.04 min
 Lab File: BF107803.D
 Acq: 30 Jul 2018 16:46

Tgt Ion:154 Resp: 897
 Ion Ratio Lower Upper
 154 100
 153 0.0 91.2 136.8#
 152 0.0 43.8 65.8#

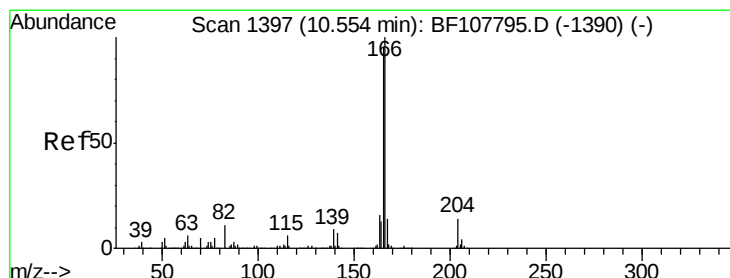
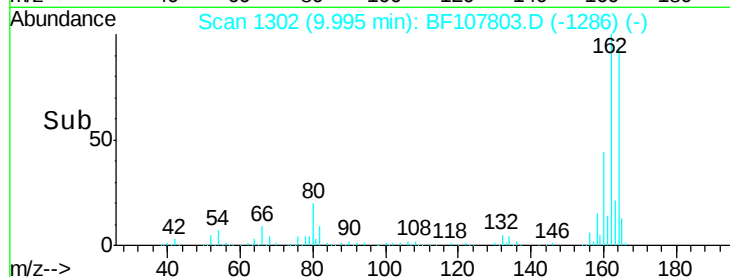
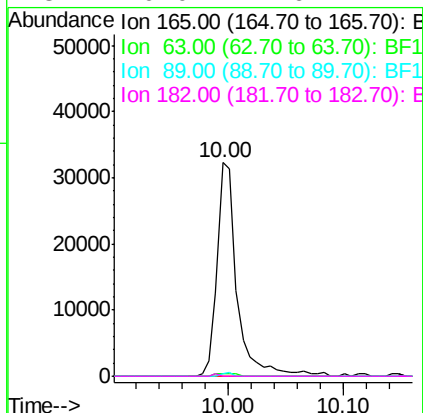
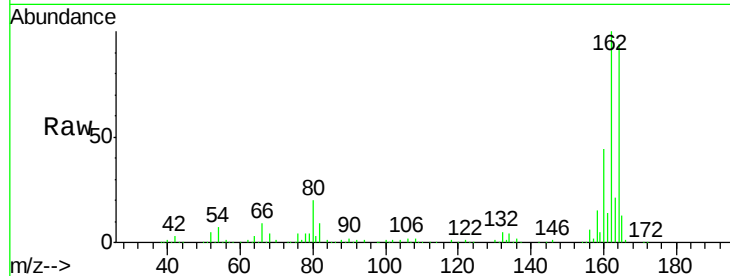




#56
2,4-Dinitrotoluene
Concen: 6.119 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.21 min
Lab File: BF107803.D
Acq: 30 Jul 2018 16:46

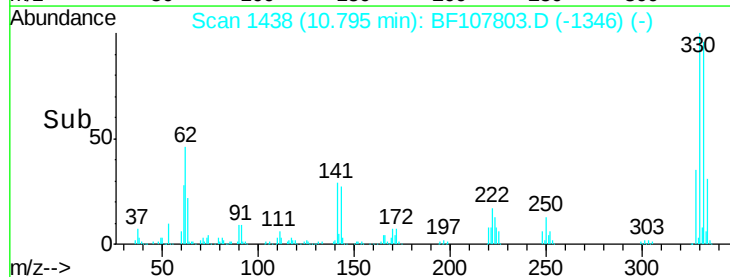
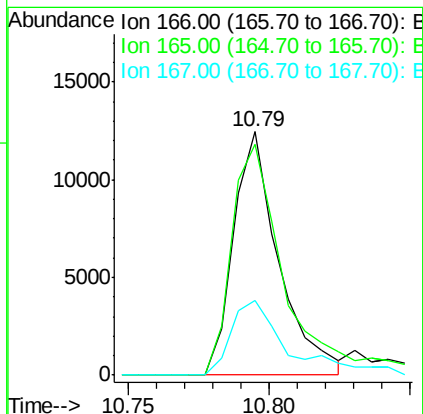
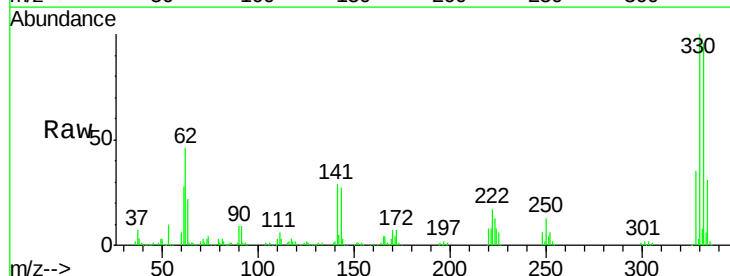
Instrument :
BNA_F
ClientSampleId :
PB111574BL

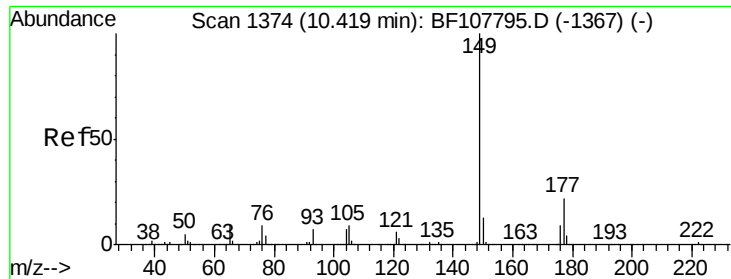
Tgt Ion:165 Resp: 38848
Ion Ratio Lower Upper
165 100
63 1.5 36.4 54.6#
89 1.5 57.8 86.6#
182 0.0 1.6 2.4#



#57
Fluorene
Concen: 0.629 ng
RT: 10.79 min Scan# 1438
Delta R.T. 0.24 min
Lab File: BF107803.D
Acq: 30 Jul 2018 16:46

Tgt Ion:166 Resp: 13822
Ion Ratio Lower Upper
166 100
165 94.9 79.8 119.8
167 30.7 10.6 16.0#

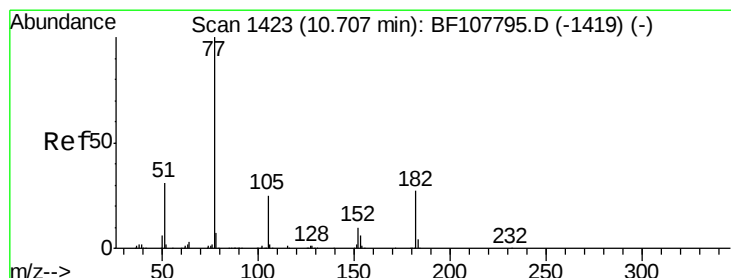
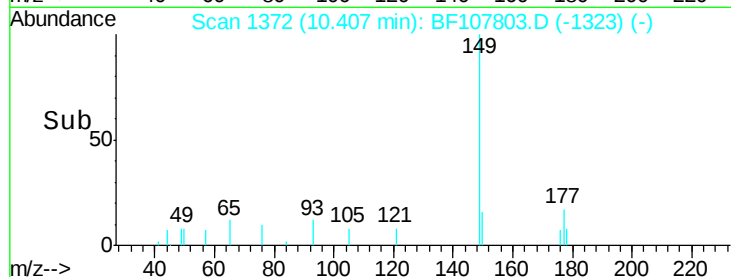
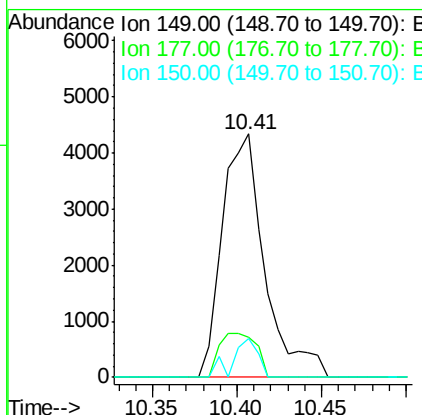
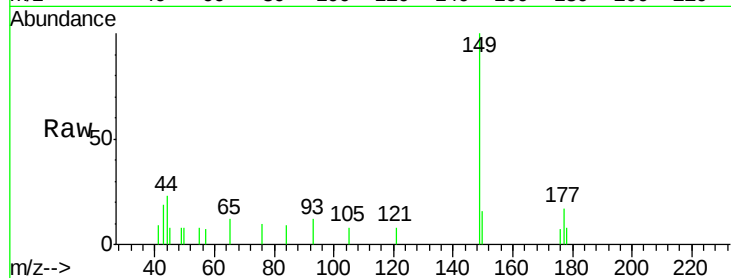




#59
Diethylphthalate
Concen: 0.318 ng
RT: 10.41 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BF107803.D
Acq: 30 Jul 2018 16:46

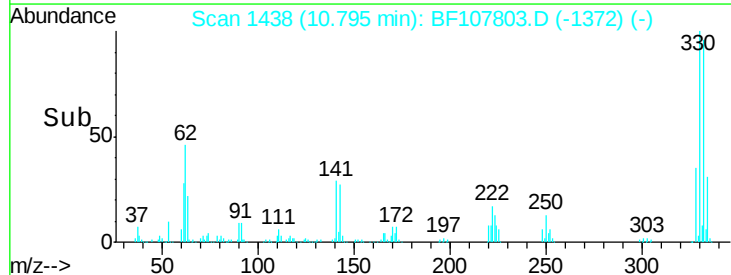
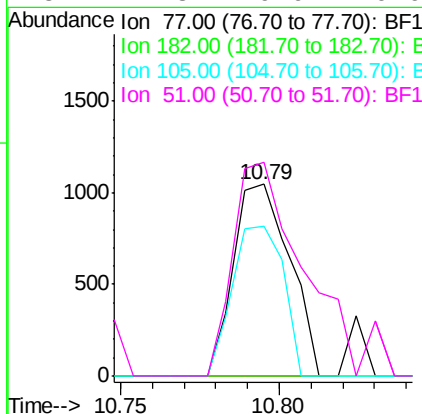
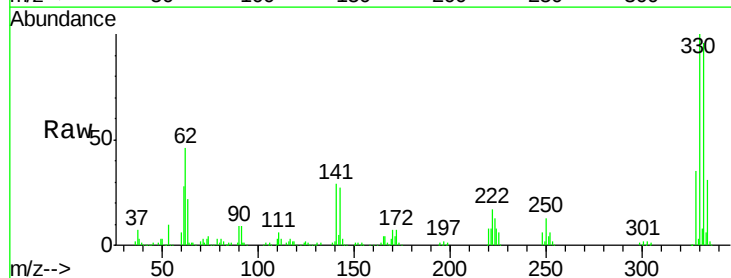
Instrument :
BNA_F
ClientSampleId :
PB111574BL

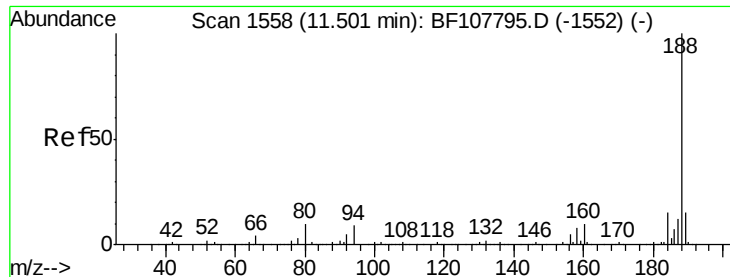
Tgt Ion: 149 Resp: 7592
Ion Ratio Lower Upper
149 100
177 16.7 16.1 24.1
150 16.0 10.1 15.1#



#62
Azobenzene
Concen: 0.058 ng
RT: 10.79 min Scan# 1438
Delta R.T. 0.09 min
Lab File: BF107803.D
Acq: 30 Jul 2018 16:46

Tgt Ion: 77 Resp: 1288
Ion Ratio Lower Upper
77 100
182 0.0 1.7 41.7#
105 78.2 3.0 43.0#
51 111.3 9.9 49.9#

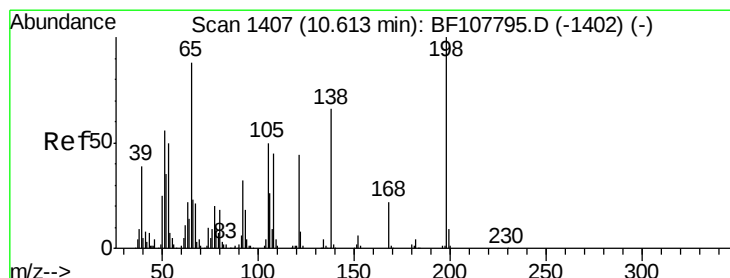
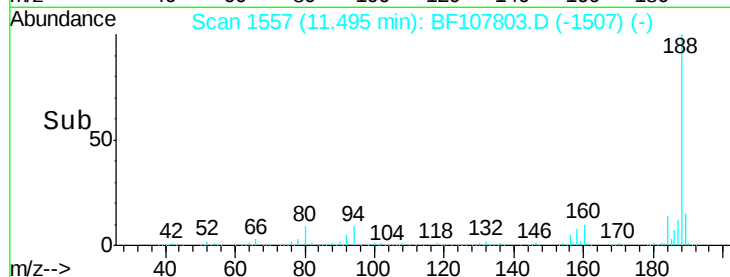
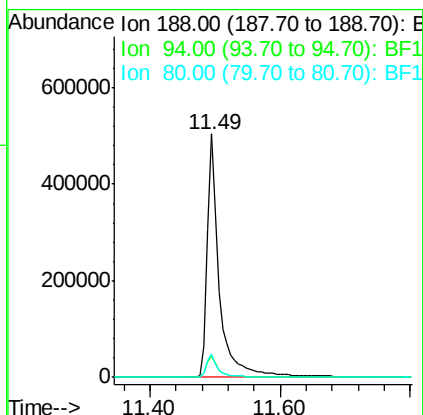
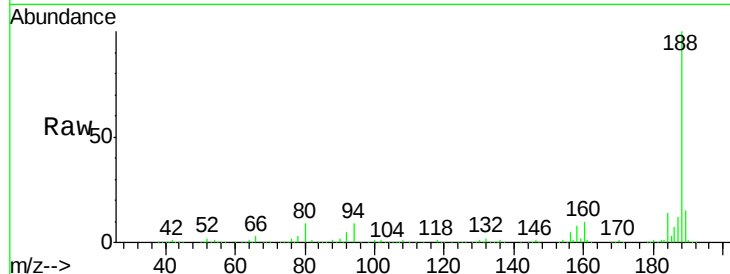




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF107803.D
Acq: 30 Jul 2018 16:46

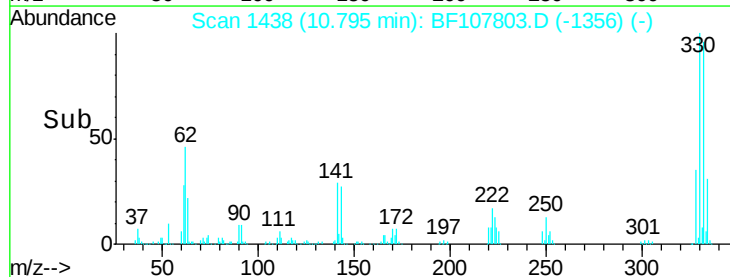
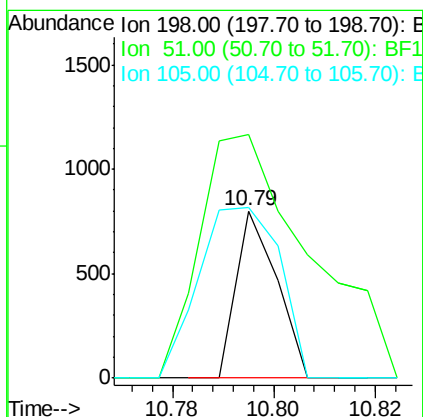
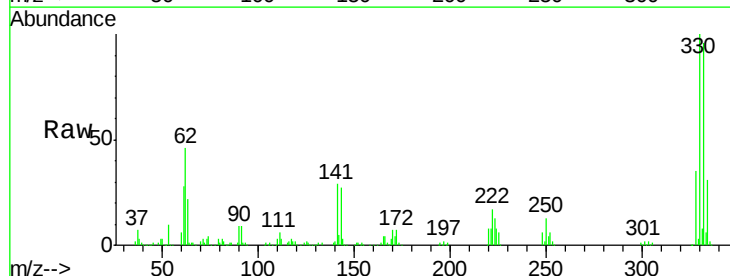
Instrument :
BNA_F
ClientSampleId :
PB111574BL

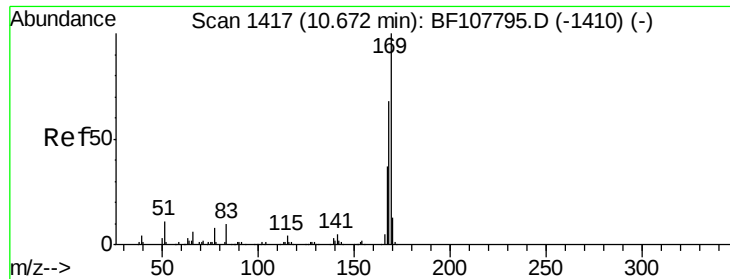
Tgt Ion:188 Resp: 659556
Ion Ratio Lower Upper
188 100
94 8.7 8.5 12.7
80 9.5 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 0.124 ng
RT: 10.79 min Scan# 1438
Delta R.T. 0.18 min
Lab File: BF107803.D
Acq: 30 Jul 2018 16:46

Tgt Ion:198 Resp: 446
Ion Ratio Lower Upper
198 100
51 145.9 37.7 77.7#
105 102.6 36.3 76.3#

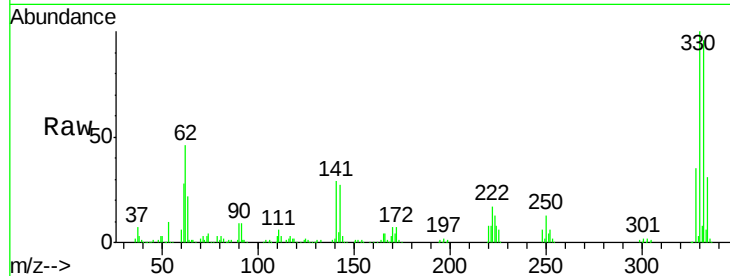




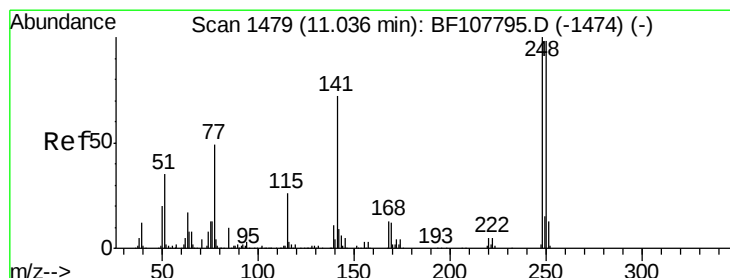
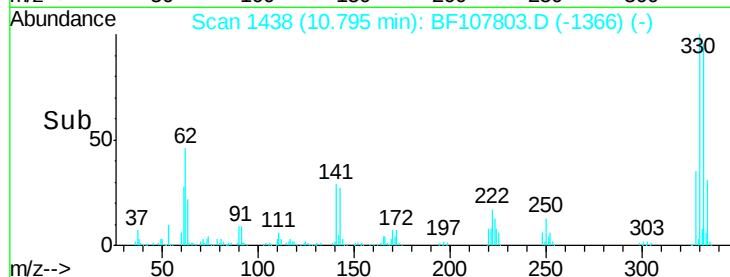
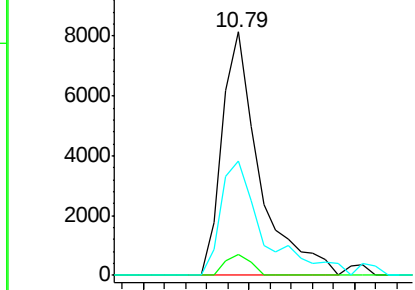
#65
n-Nitrosodiphenylamine
Concen: 0.459 ng
RT: 10.79 min Scan# 1438
Delta R.T. 0.12 min
Lab File: BF107803.D
Acq: 30 Jul 2018 16:46

Instrument :
BNA_F
ClientSampleId :
PB111574BL

Tgt Ion:169 Resp: 9974
Ion Ratio Lower Upper
169 100
168 8.4 54.4 81.6#
167 47.0 29.8 44.6#

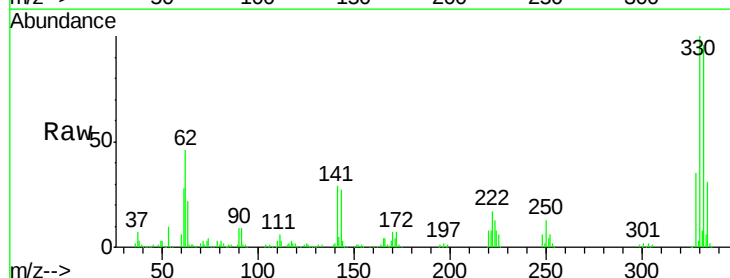


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

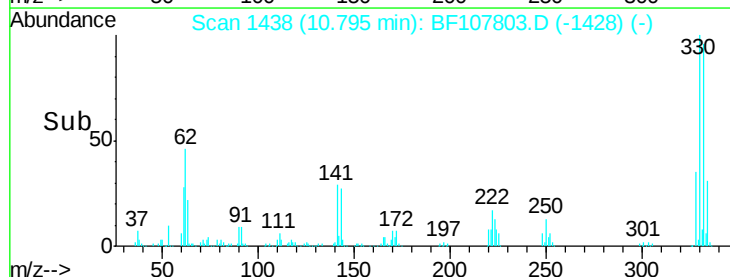
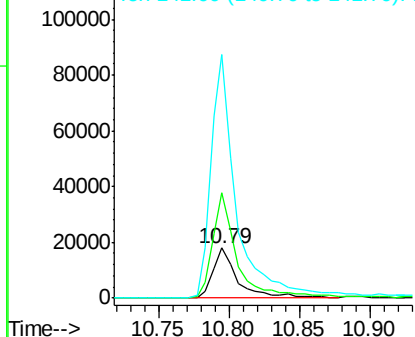


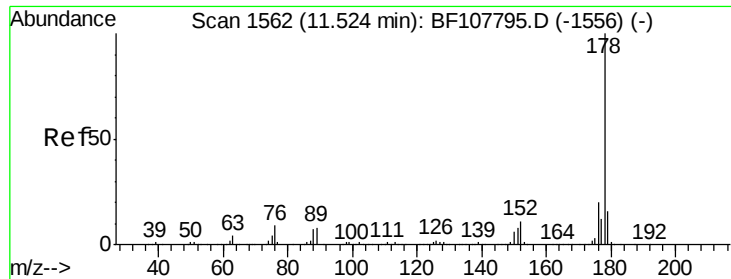
#66
4-Bromophenyl-phenylether
Concen: 2.883 ng
RT: 10.79 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF107803.D
Acq: 30 Jul 2018 16:46

Tgt Ion:248 Resp: 22165
Ion Ratio Lower Upper
248 100
250 211.2 76.9 115.3#
141 485.4 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

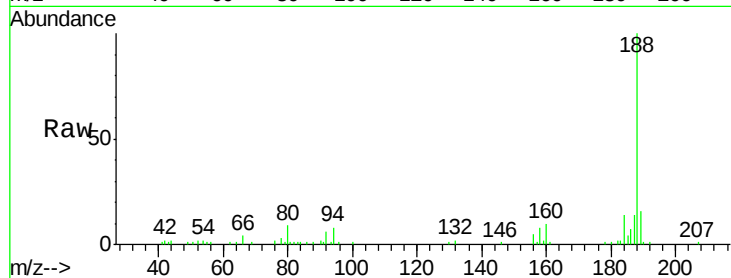




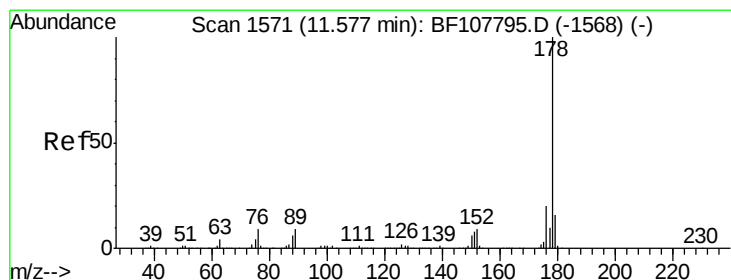
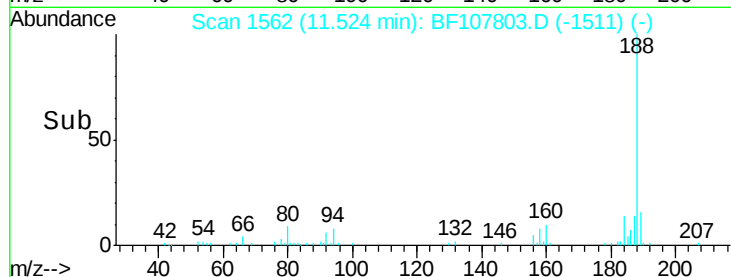
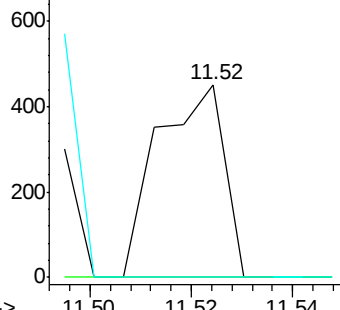
#70
Phenanthrene
Concen: 0.013 ng
RT: 11.52 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF107803.D
Acq: 30 Jul 2018 16:46

Instrument :
BNA_F
ClientSampleId :
PB111574BL

Tgt Ion:178 Resp: 410
Ion Ratio Lower Upper
178 100
176 0.0 15.8 23.8#
179 0.0 13.0 19.6#

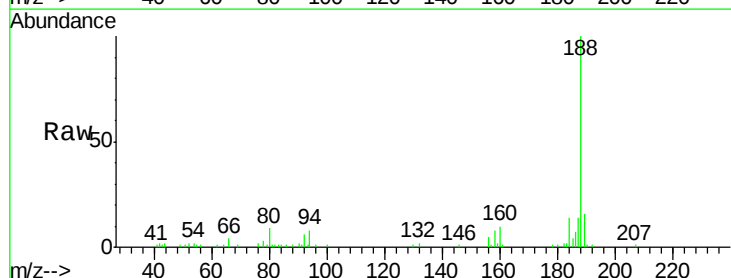


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

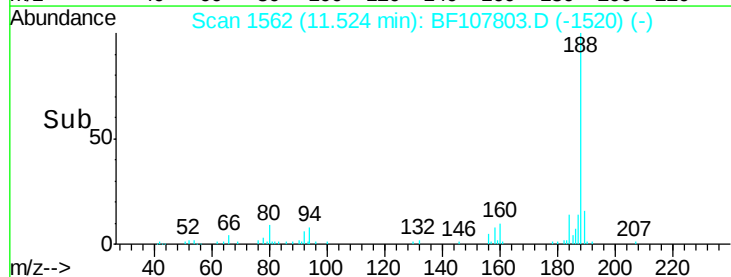
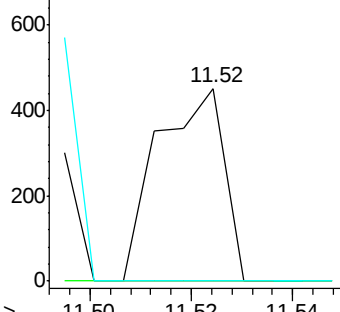


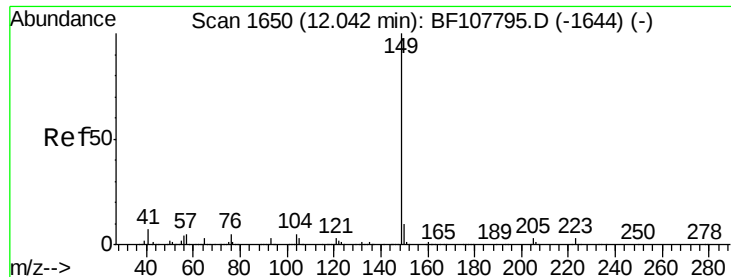
#71
Anthracene
Concen: 0.011 ng
RT: 11.52 min Scan# 1562
Delta R.T. -0.05 min
Lab File: BF107803.D
Acq: 30 Jul 2018 16:46

Tgt Ion:178 Resp: 410
Ion Ratio Lower Upper
178 100
176 0.0 15.4 23.2#
179 0.0 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





#73

Di-n-butylphthalate

Concen: 0.044 ng

RT: 12.04 min Scan# 1649

Delta R.T. -0.01 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

Instrument :

BNA_F

ClientSampleId :

PB111574BL

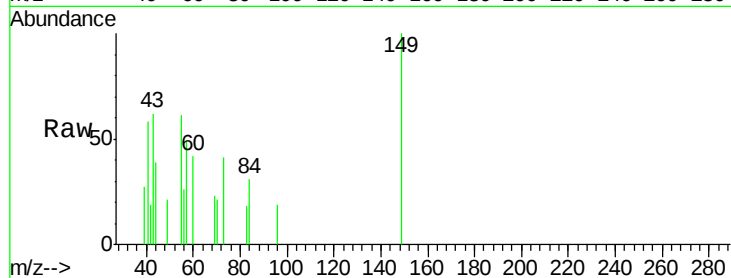
Tgt Ion:149 Resp: 1704

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

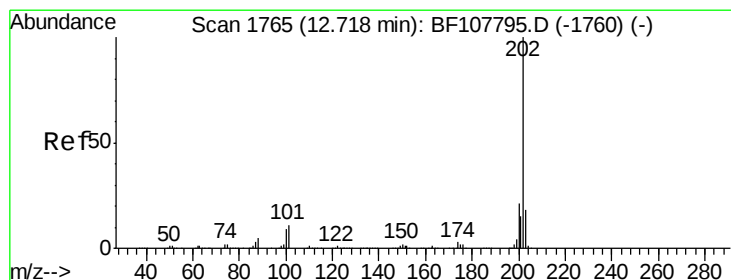
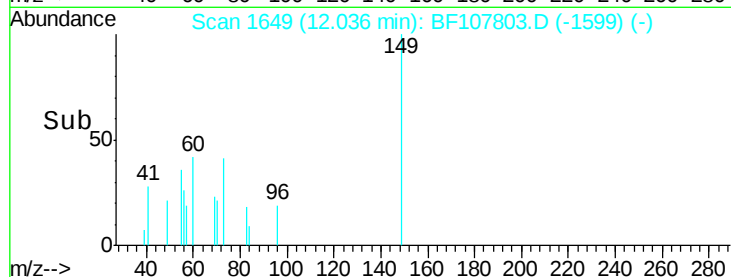
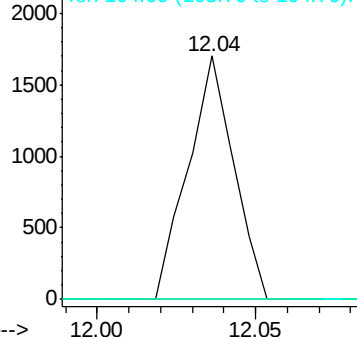
104 0.0 3.8 5.8#



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: 0.003 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.23 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

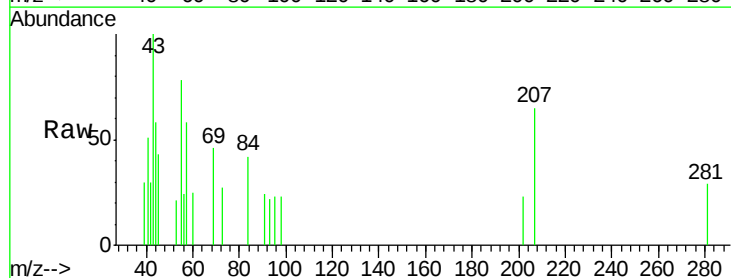
Tgt Ion:202 Resp: 117

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.1

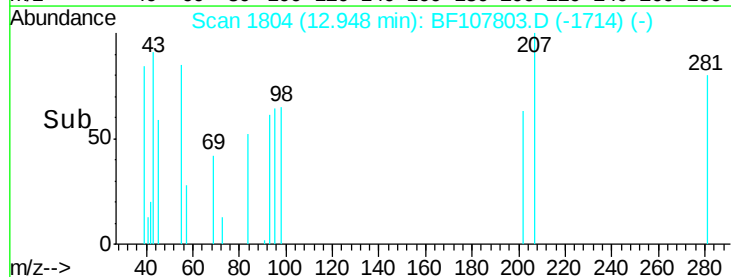
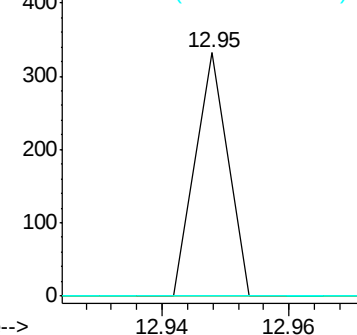
203 0.0 0.0 38.1

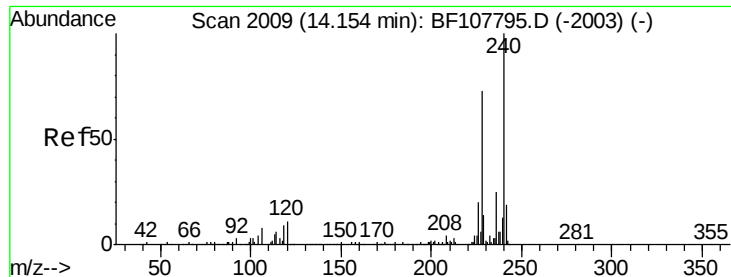


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

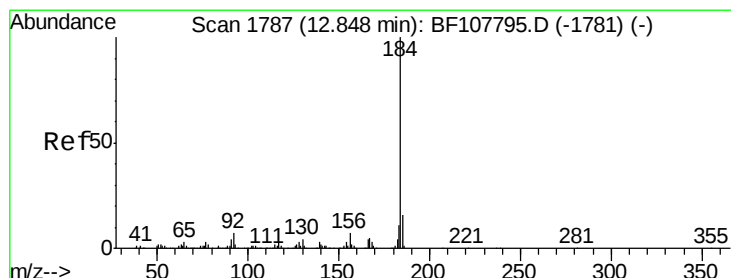
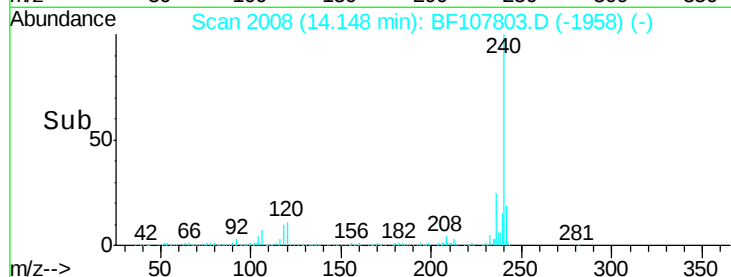
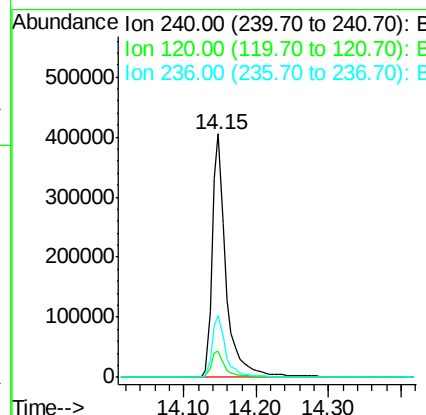
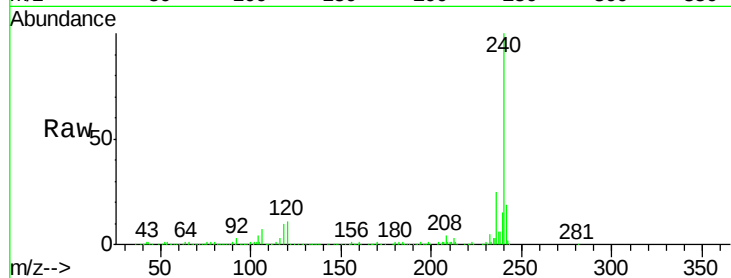




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF107803.D
Acq: 30 Jul 2018 16:46

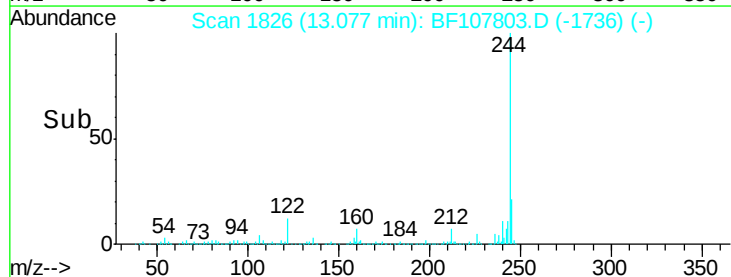
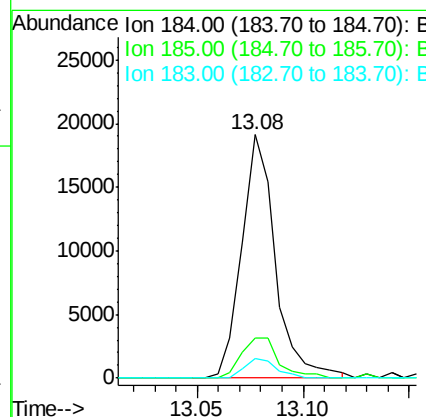
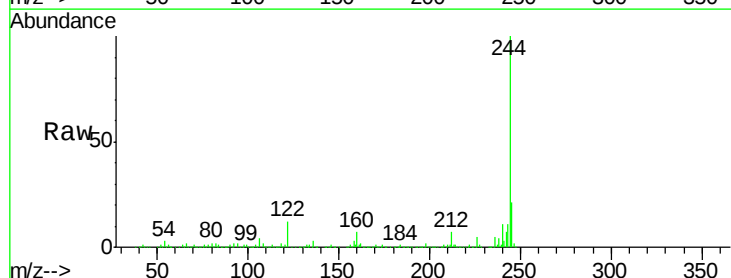
Instrument :
BNA_F
ClientSampleId :
PB111574BL

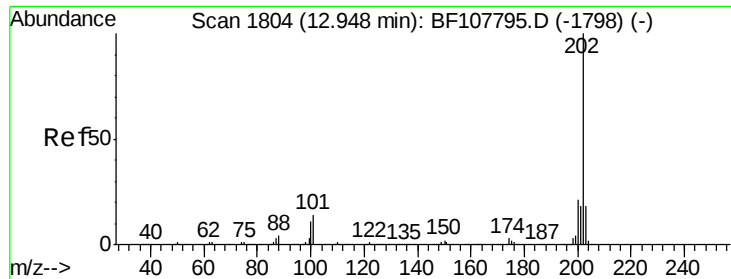
Tgt Ion: 240 Resp: 538851
Ion Ratio Lower Upper
240 100
120 10.5 9.5 14.3
236 25.3 20.7 31.1



#76
Benzidine
Concen: 1.210 ng
RT: 13.08 min Scan# 1826
Delta R.T. 0.23 min
Lab File: BF107803.D
Acq: 30 Jul 2018 16:46

Tgt Ion: 184 Resp: 21085
Ion Ratio Lower Upper
184 100
185 16.4 12.6 18.8
183 8.1 9.3 13.9#





#77

Pyrene

Concen: 0.147 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.14 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

Instrument :

BNA_F

ClientSampleId :

PB111574BL

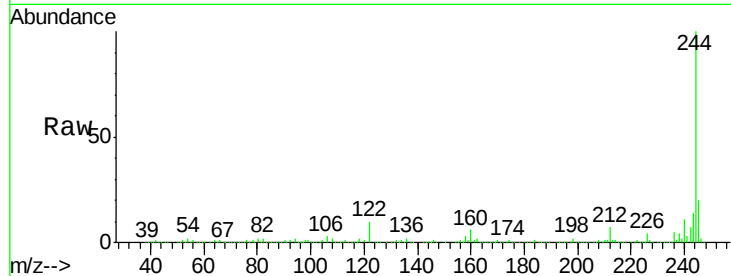
Tgt Ion:202 Resp: 5719

Ion Ratio Lower Upper

202 100

200 35.2 17.4 26.2#

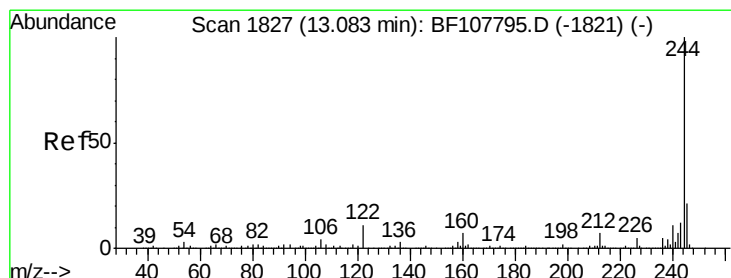
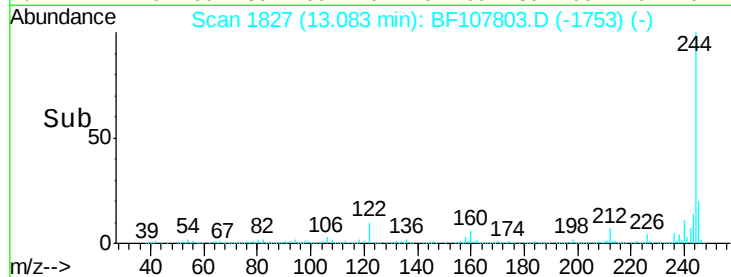
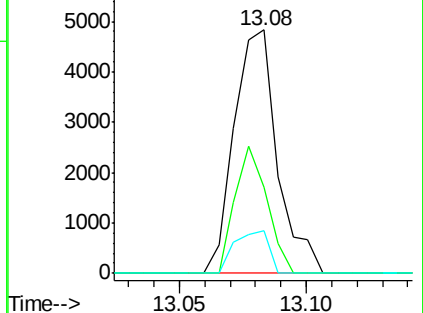
203 17.5 14.3 21.5



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: 71.109 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

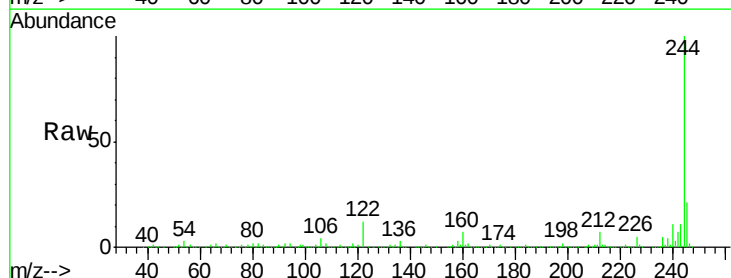
Tgt Ion:244 Resp: 1767040

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

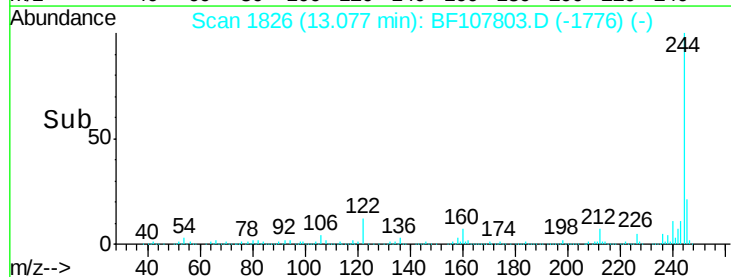
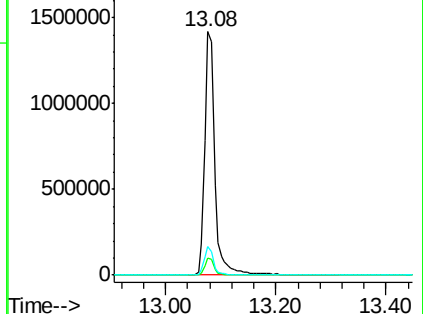
122 11.9 11.0 16.4

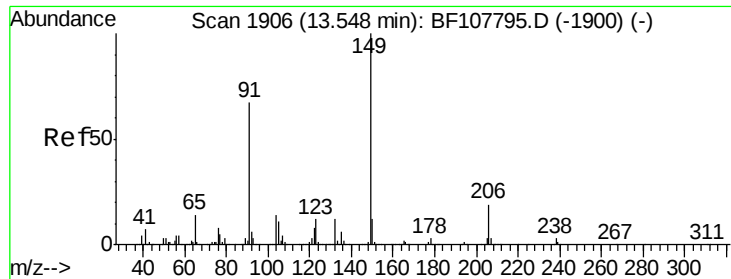


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

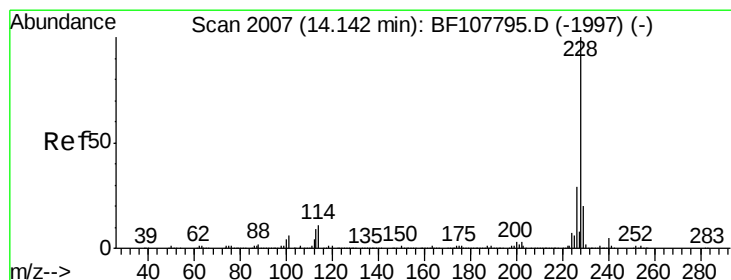
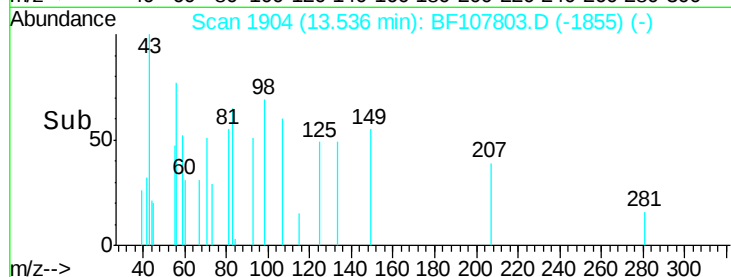
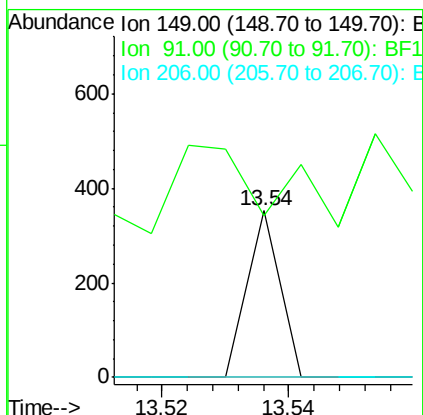
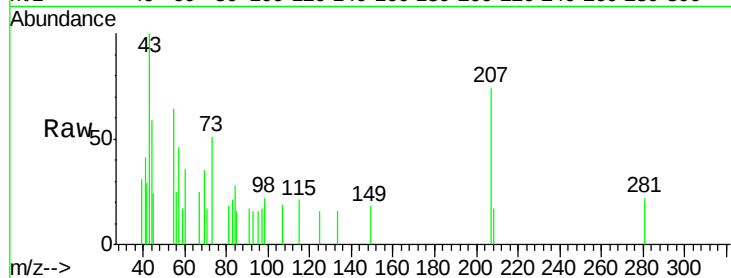




#79
Butylbenzylphthalate
Concen: 0.007 ng
RT: 13.54 min Scan# 1904
Delta R.T. -0.01 min
Lab File: BF107803.D
Acq: 30 Jul 2018 16:46

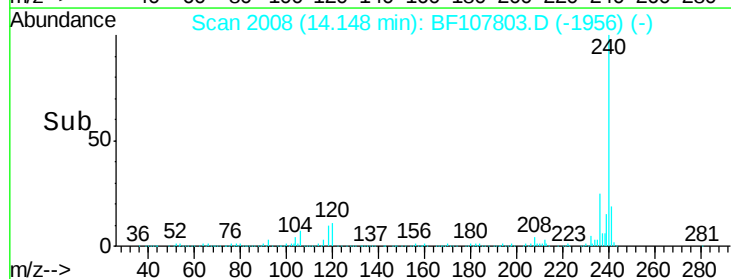
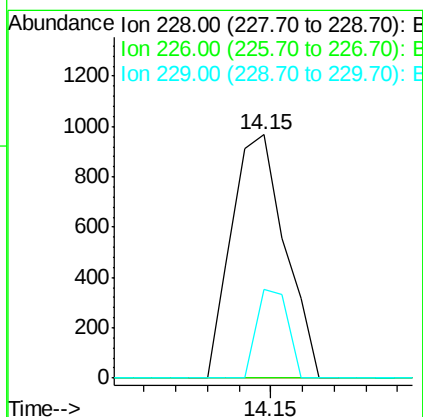
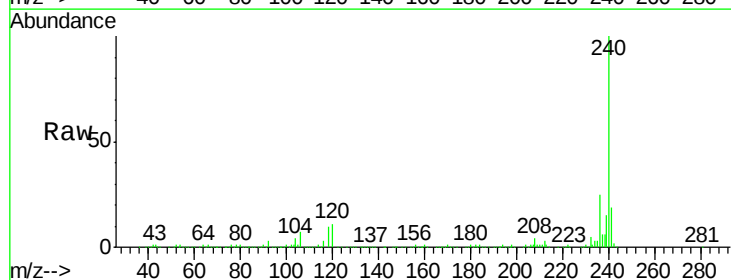
Instrument :
BNA_F
ClientSampleId :
PB111574BL

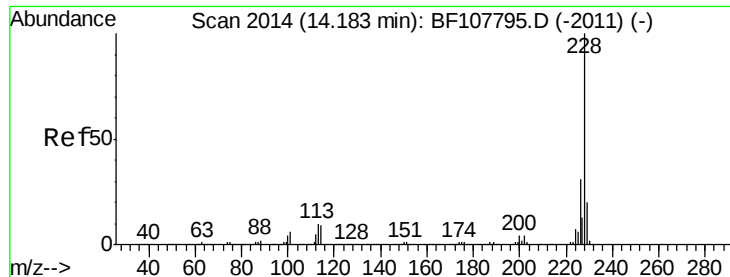
Tgt Ion:149 Resp: 125
Ion Ratio Lower Upper
149 100
91 96.9 56.8 85.2#
206 0.0 14.1 21.1#



#80
Benzo(a)anthracene
Concen: 0.037 ng
RT: 14.15 min Scan# 2008
Delta R.T. 0.01 min
Lab File: BF107803.D
Acq: 30 Jul 2018 16:46

Tgt Ion:228 Resp: 1129
Ion Ratio Lower Upper
228 100
226 0.0 22.6 33.8#
229 36.7 15.8 23.6#





#82

Chrysene

Concen: 0.034 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.04 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

Instrument :

BNA_F

ClientSampleId :

PB111574BL

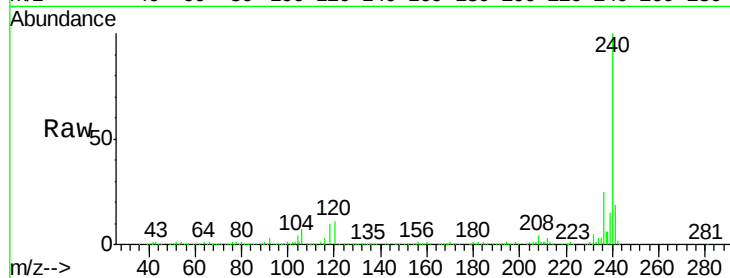
Tgt Ion:228 Resp: 1129

Ion Ratio Lower Upper

228 100

226 0.0 25.0 37.6#

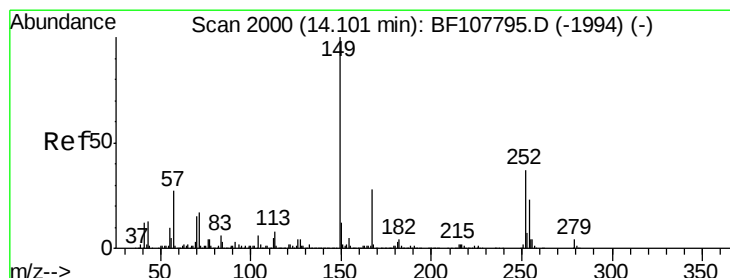
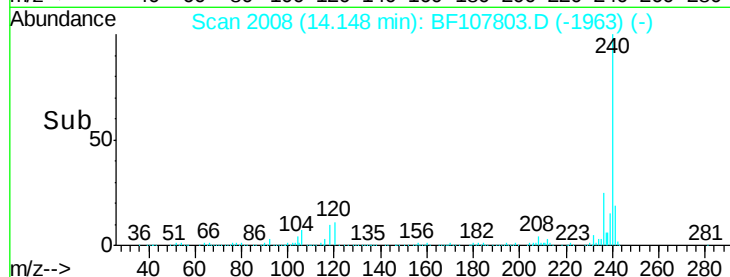
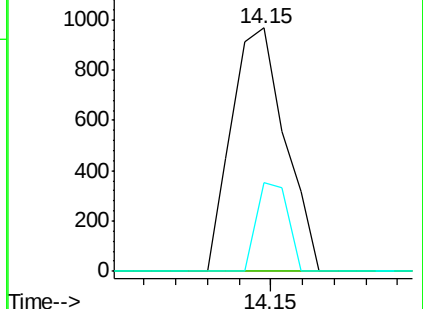
229 36.7 16.2 24.4#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.051 ng

RT: 14.09 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

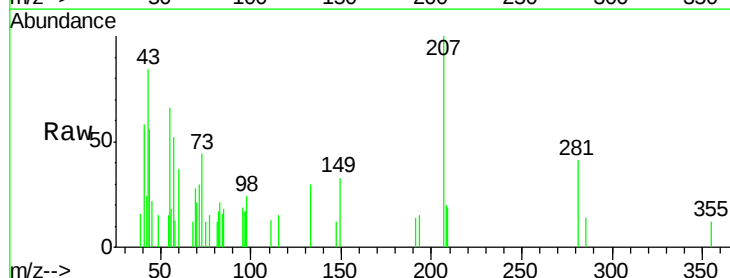
Tgt Ion:149 Resp: 1089

Ion Ratio Lower Upper

149 100

167 0.0 21.3 31.9#

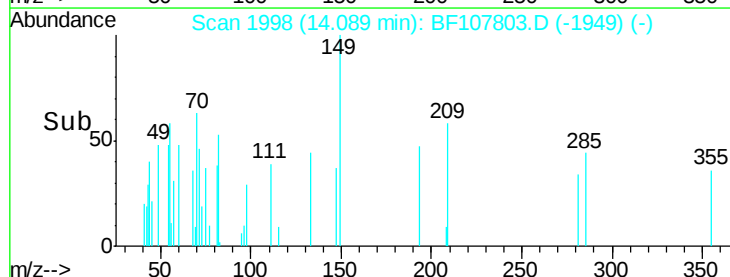
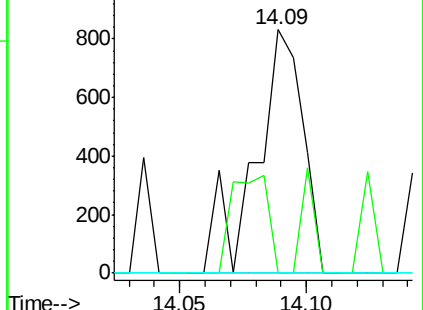
279 0.0 3.0 4.4#

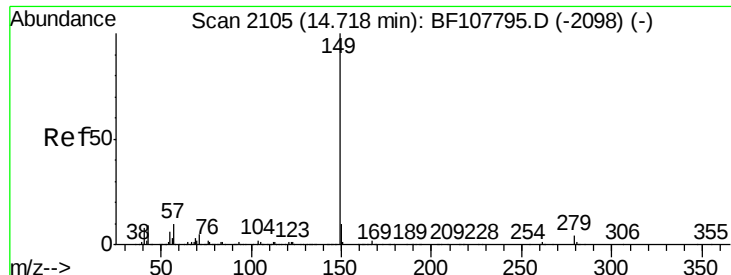


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.013 ng

RT: 14.72 min Scan# 2105

Delta R.T. -0.00 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

Instrument :

BNA_F

ClientSampleId :

PB111574BL

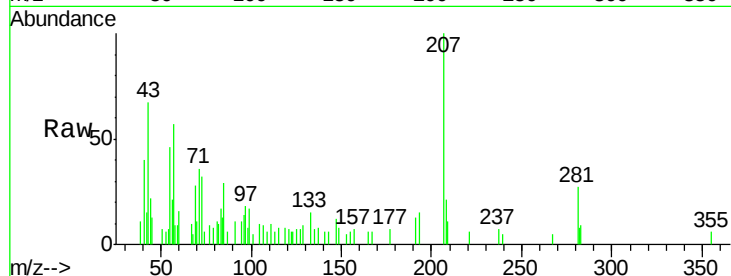
Tgt Ion:149 Resp: 461

Ion Ratio Lower Upper

149 100

167 134.9 1.2 1.8#

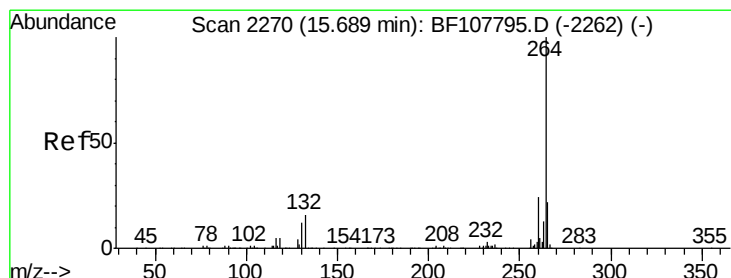
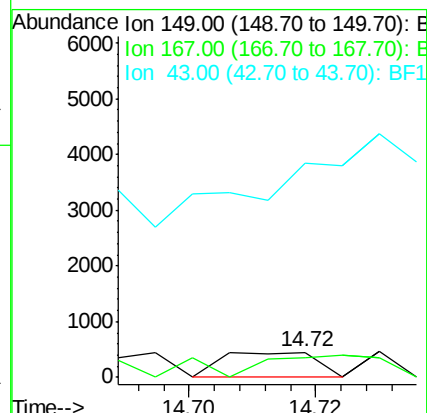
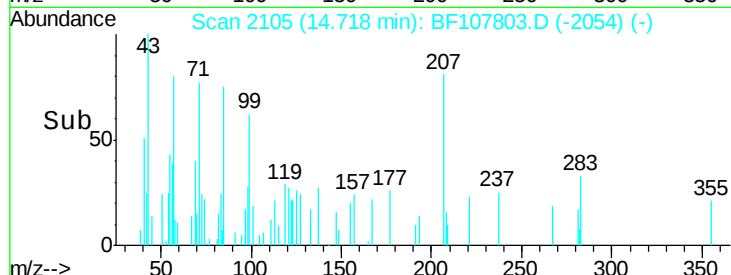
43 812.1 8.4 12.6#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

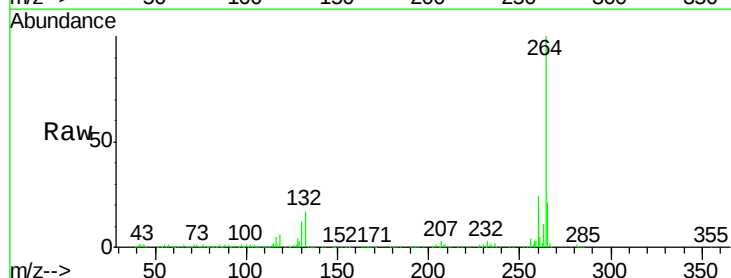
Tgt Ion:264 Resp: 447366

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

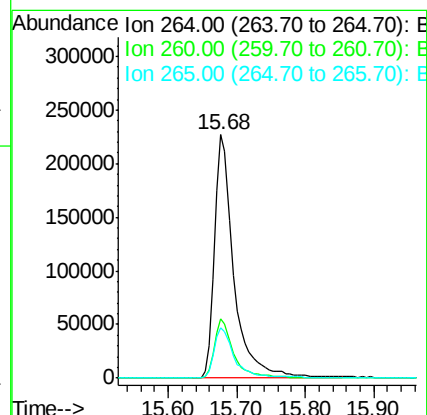
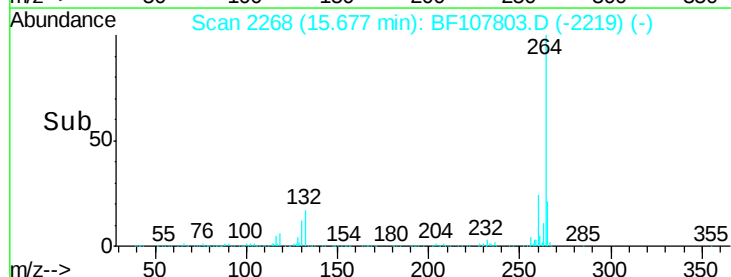
265 20.8 17.5 26.3

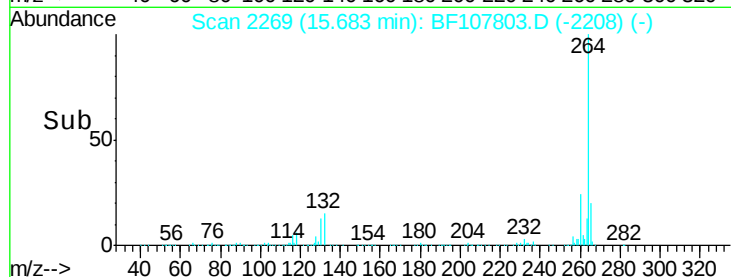
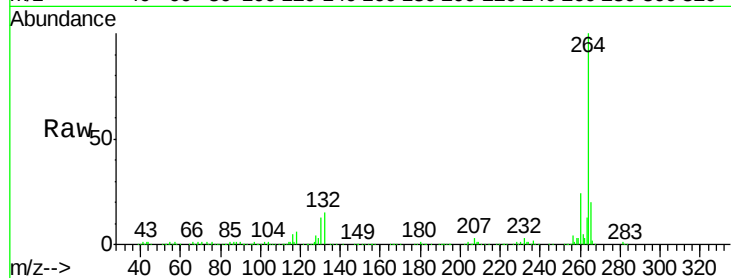
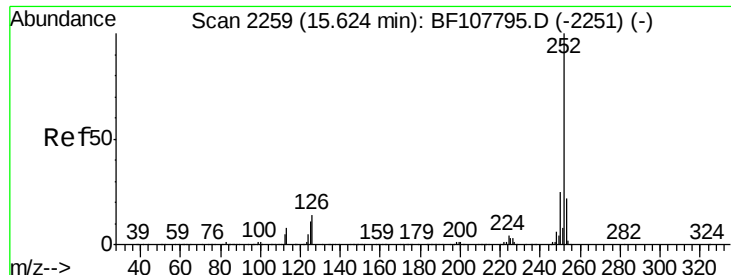


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(a)pyrene

Concen: 0.078 ng

RT: 15.68 min Scan# 2269

Delta R.T. 0.06 min

Lab File: BF107803.D

Acq: 30 Jul 2018 16:46

Instrument :

BNA_F

ClientSampleId :

PB111574BL

Tgt Ion:252 Resp: 1788

Ion Ratio Lower Upper

252 100

253 53.6 17.1 25.7#

125 42.4 9.8 14.6#

