

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080218\
 Data File : BF107927.D
 Acq On : 2 Aug 2018 23:23
 Operator : JU/SJ
 Sample : J4262-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-03

Quant Time: Aug 03 01:55:17 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	6.95	152	137522	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	556990	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	221806	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	419504	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	366190	20.00	ng	-0.01
86) Perylene-d12	15.67	264	309627	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	415752	51.38	ng	0.00
7) Phenol-d6	6.61	99	324205	30.40	ng	0.00
23) Nitrobenzene-d5	7.52	82	872294	90.22	ng	-0.01
41) 2,4,6-Tribromophenol	10.79	330	340815	113.08	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	1572610	98.80	ng	-0.01
78) Terphenyl-d14	13.07	244	1441129	85.34	ng	-0.01

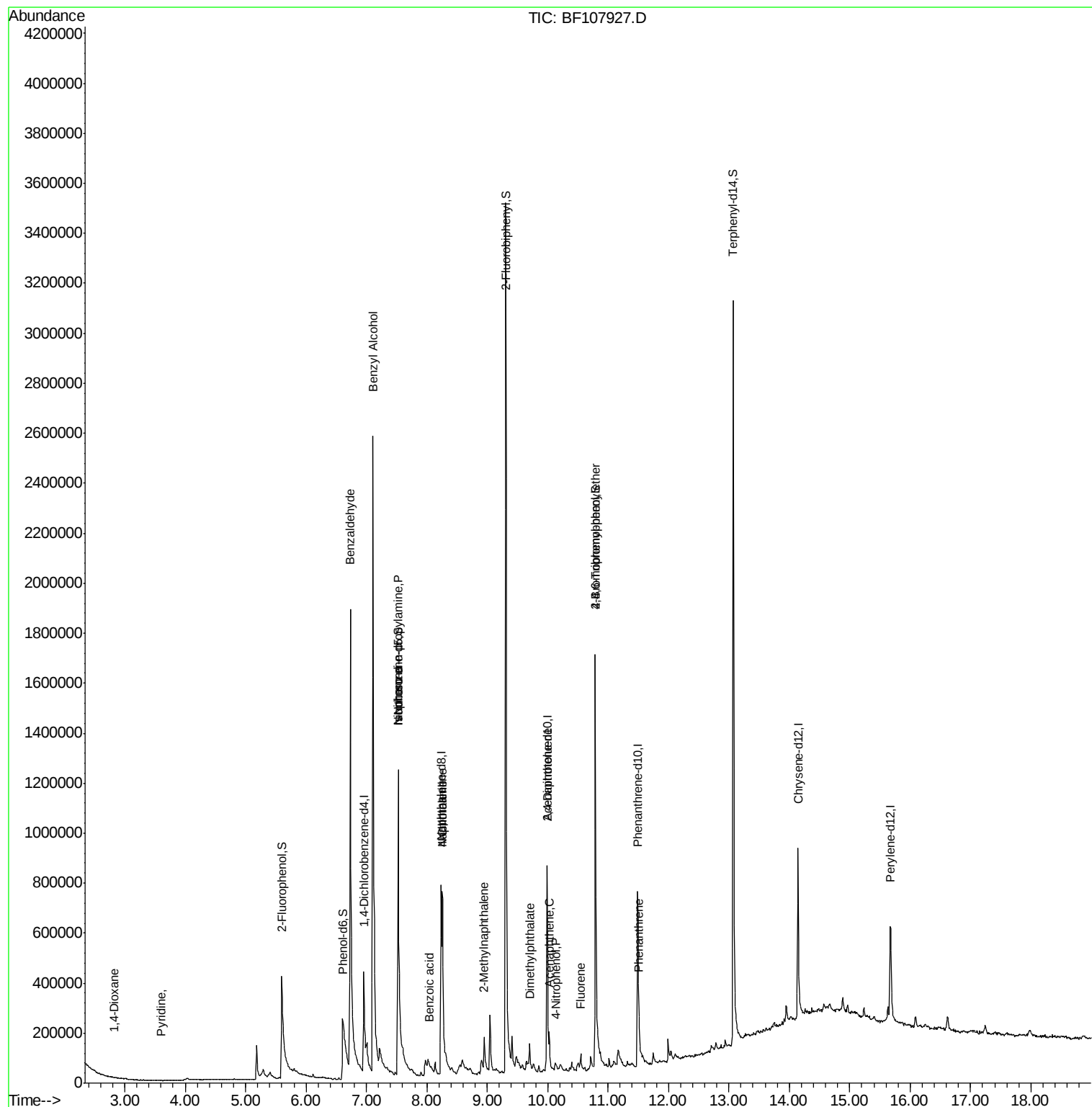
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.82	88	691	5.954	ng	# 31
3) Pyridine	3.60	79	116	6.265	ng	# 1
9) Benzaldehyde	6.73	77	18219	2.832	ng	90
15) Benzyl Alcohol	7.11	79	14871	2.244	ng	# 44
19) n-Nitroso-di-n-propylamine	7.52	70	104474	15.443	ng	# 79
25) Isophorone	7.52	82	890593	56.117	ng	# 64
31) Naphthalene	8.26	128	488218	18.856	ng	99
32) Benzoic acid	8.05	122	11800	3.994	ng	# 56
33) 4-Chloroaniline	8.26	127	63053	5.701	ng	# 32
37) 2-Methylnaphthalene	8.95	142	62756	3.859	ng	98
49) Dimethylphthalate	9.70	163	57855	3.473	ng	99
51) Acenaphthene	10.02	154	35509	2.590	ng	97
55) 4-Nitrophenol	10.14	139	1743	10.030	ng	# 73
56) 2,4-Dinitrotoluene	9.99	165	28740	6.040	ng	# 25
57) Fluorene	10.55	166	38335	2.328	ng	100
66) 4-Bromophenyl-phenylether	10.79	248	19600	4.009	ng	# 1
70) Phenanthrene	11.52	178	43698	2.194	ng	97

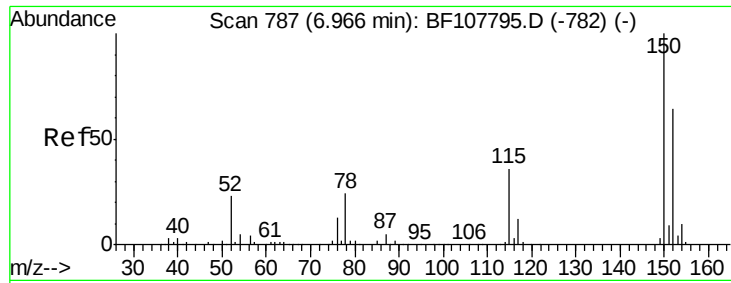
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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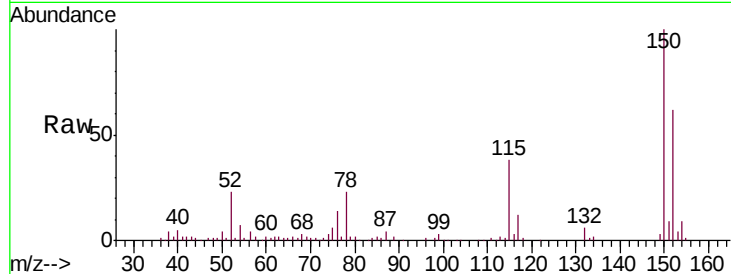


#1

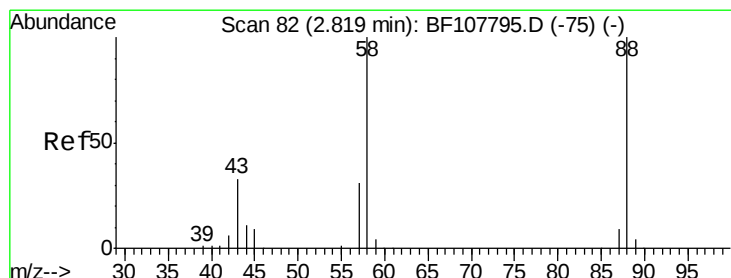
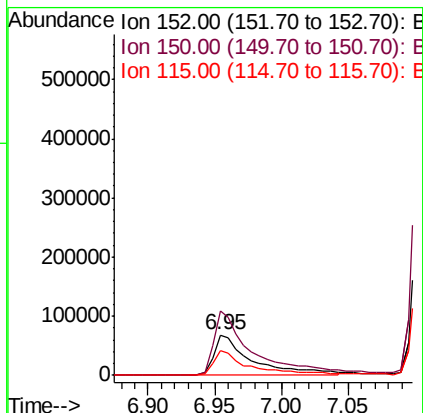
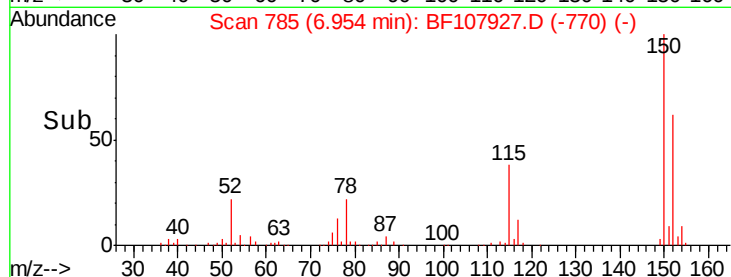
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107927.D
Acq: 2 Aug 2018 23:23

Instrument :
BNA_F
ClientSampled :
GW-03

Tgt Ion:152 Resp: 137522
Ion Ratio Lower Upper
152 100
150 161.4 124.6 186.8
115 61.7 50.1 75.1



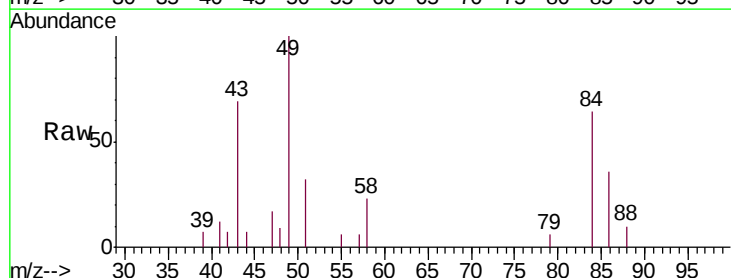
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



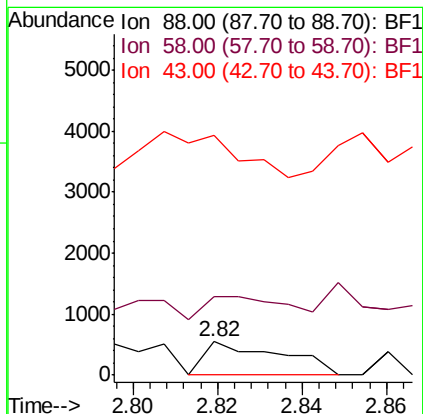
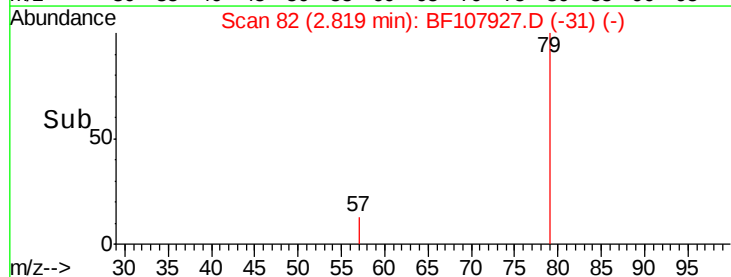
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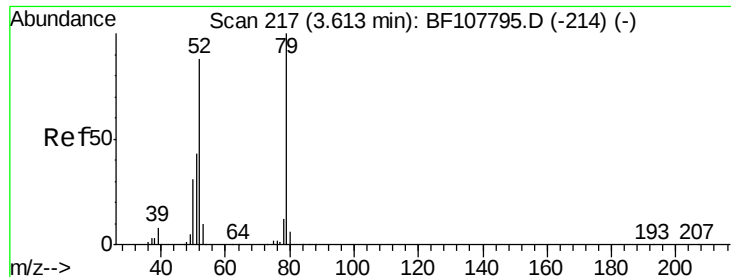
1,4-Dioxane
Concen: 5.954 ng
RT: 2.82 min Scan# 82
Delta R.T. 0.00 min
Lab File: BF107927.D
Acq: 2 Aug 2018 23:23

Tgt Ion: 88 Resp: 691
Ion Ratio Lower Upper
88 100
58 70.8 62.6 93.8
43 152.2 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





#3

Pyridine

Concen: 6.265 ng

RT: 3.60 min Scan# 214

Delta R.T. -0.02 min

Lab File: BF107927.D

Acq: 2 Aug 2018 23:23

Instrument :

BNA_F

ClientSampled :

GW-03

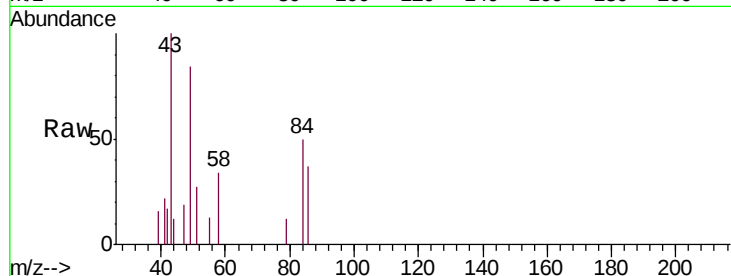
Tgt Ion: 79 Resp: 116

Ion Ratio Lower Upper

79 100

52 0.0 59.8 89.6#

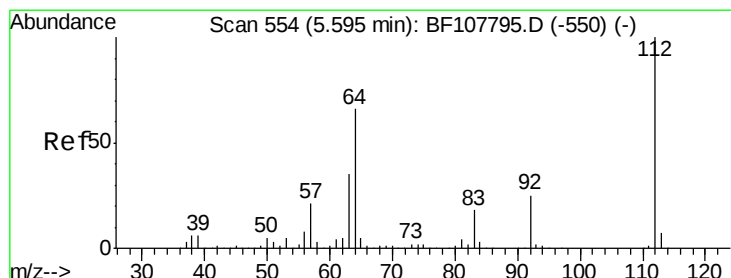
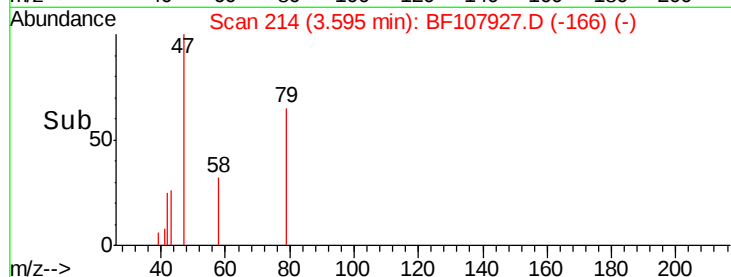
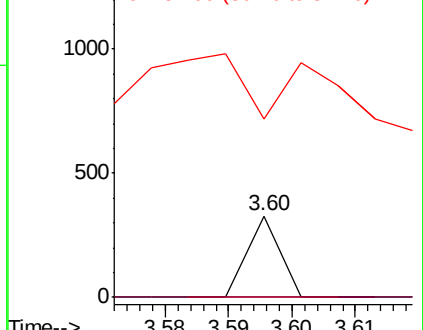
51 219.2 29.8 44.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#5

2-Fluorophenol

Concen: 51.380 ng

RT: 5.60 min Scan# 555

Delta R.T. 0.01 min

Lab File: BF107927.D

Acq: 2 Aug 2018 23:23

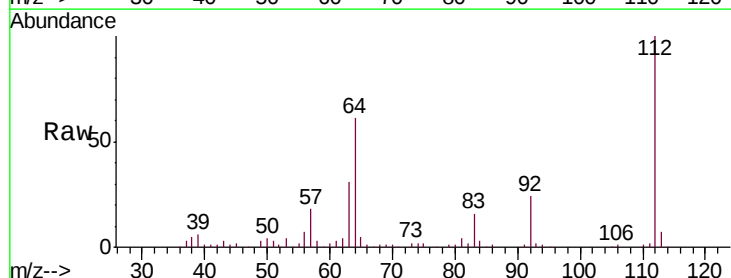
Tgt Ion: 112 Resp: 415752

Ion Ratio Lower Upper

112 100

64 60.9 47.9 71.9

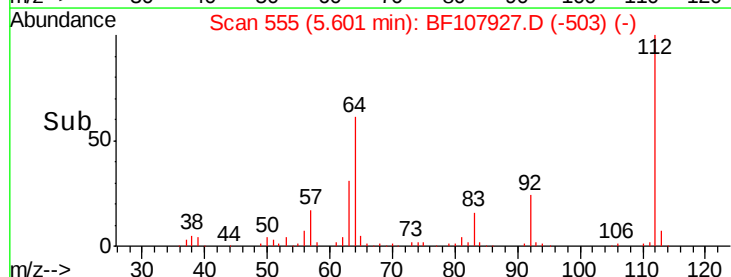
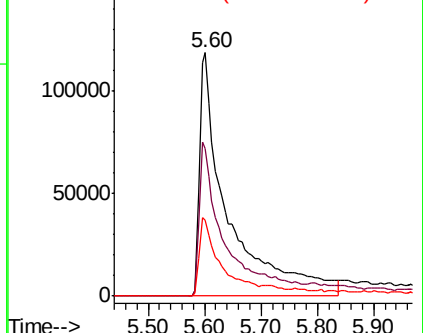
63 31.1 23.7 35.5

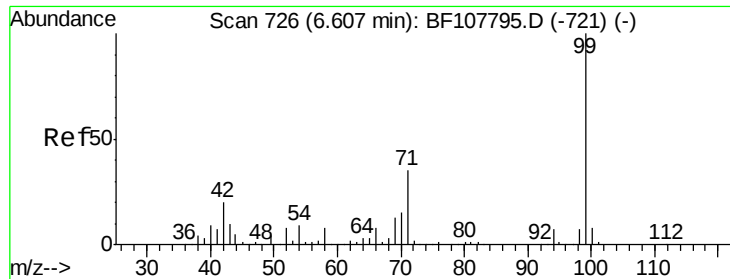


Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 30.401 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF107927.D

Acq: 2 Aug 2018 23:23

Instrument :

BNA_F

ClientSampled :

GW-03

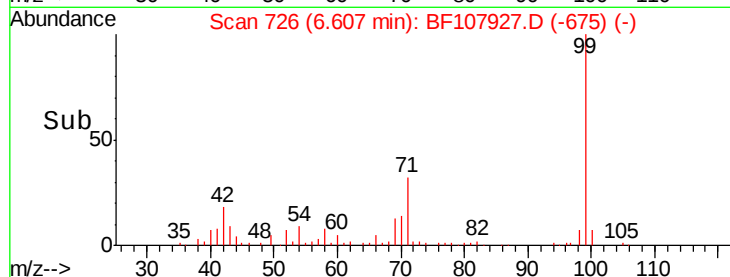
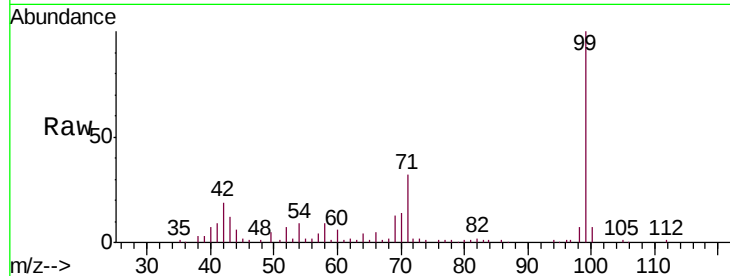
Tgt Ion: 99 Resp: 324205

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

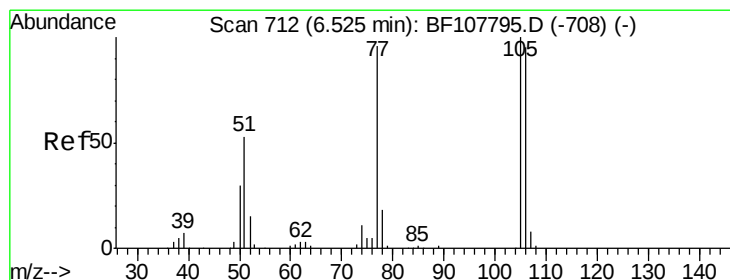
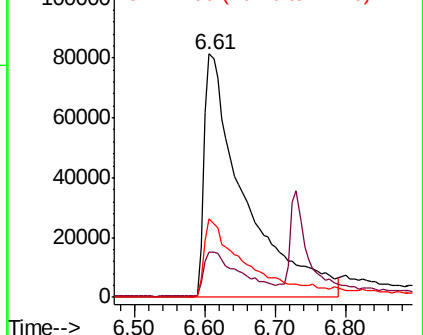
71 32.3 25.4 38.0



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: 2.832 ng

RT: 6.73 min Scan# 747

Delta R.T. 0.21 min

Lab File: BF107927.D

Acq: 2 Aug 2018 23:23

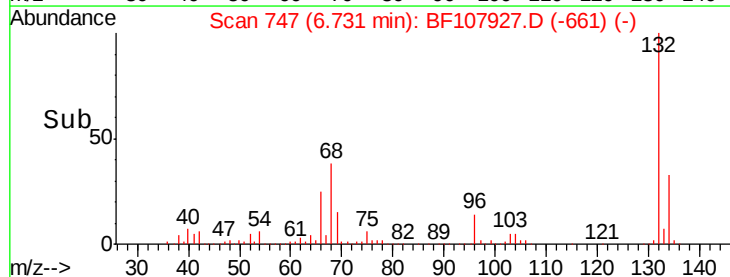
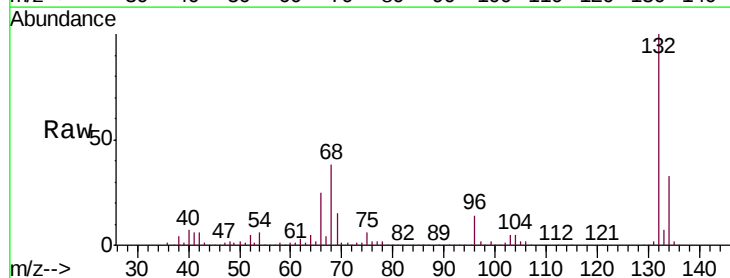
Tgt Ion: 77 Resp: 18219

Ion Ratio Lower Upper

77 100

105 88.4 81.1 121.1

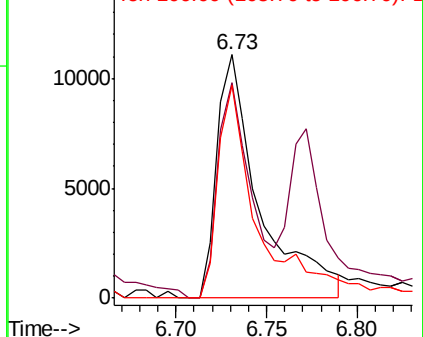
106 87.7 74.5 114.5

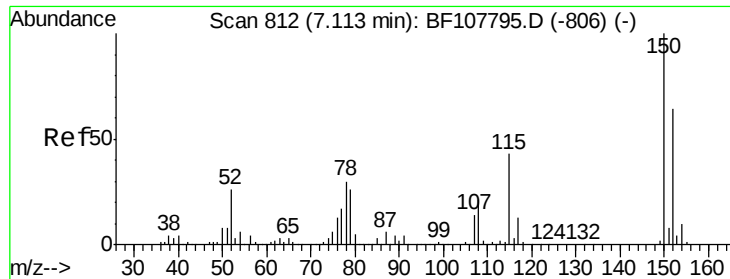


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

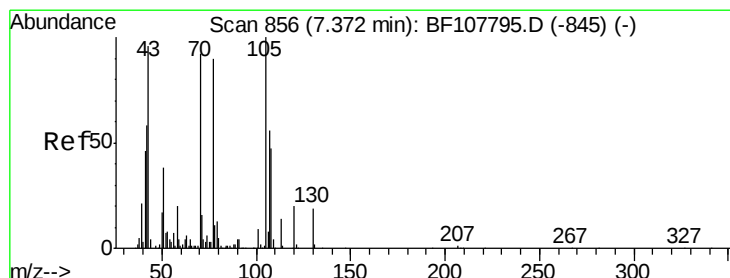
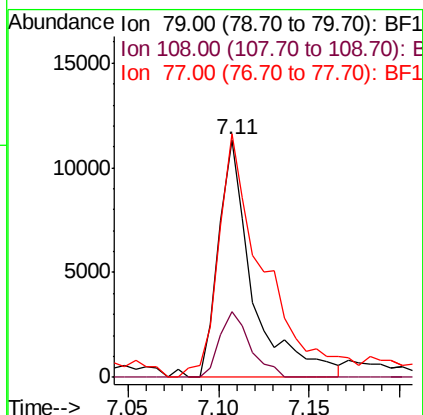
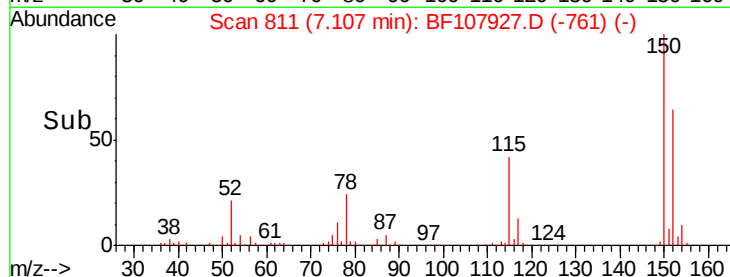
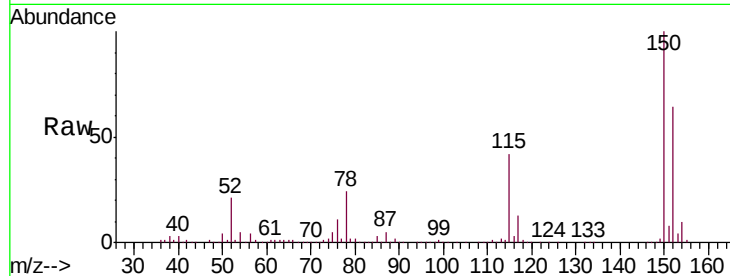




#15
Benzyl Alcohol
Concen: 2.244 ng
RT: 7.11 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF107927.D
Acq: 2 Aug 2018 23:23

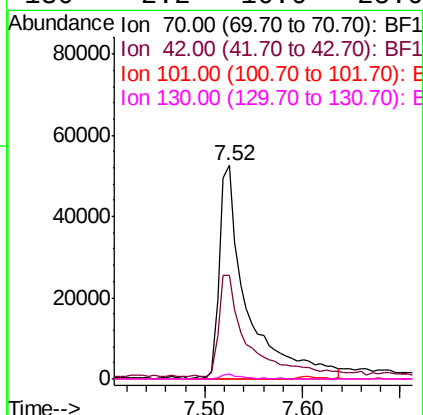
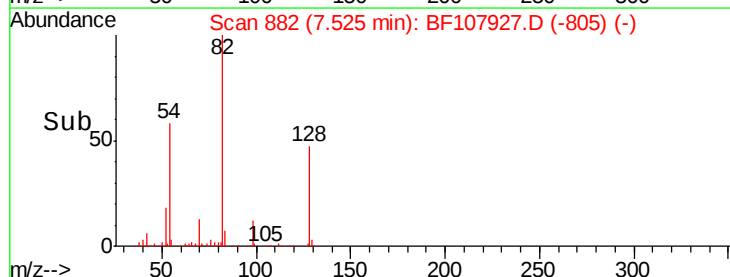
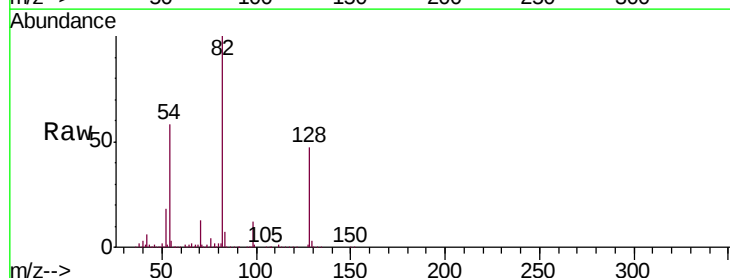
Instrument :
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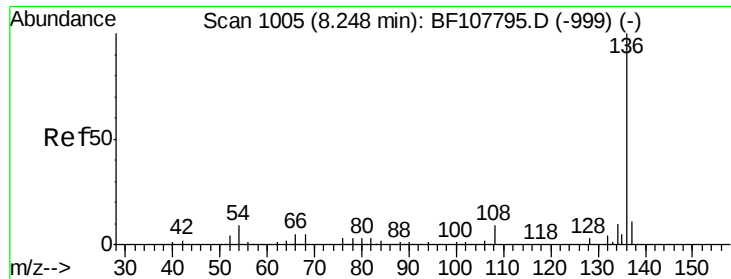
Tgt Ion: 79 Resp: 14871
Ion Ratio Lower Upper
79 100
108 27.8 65.1 97.7#
77 102.6 50.6 75.8#



#19
n-Nitroso-di-n-propylamine
Concen: 15.443 ng
RT: 7.52 min Scan# 882
Delta R.T. 0.15 min
Lab File: BF107927.D
Acq: 2 Aug 2018 23:23

Tgt Ion: 70 Resp: 104474
Ion Ratio Lower Upper
70 100
42 48.6 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#

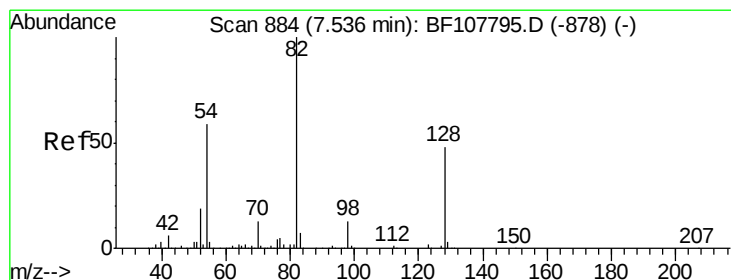
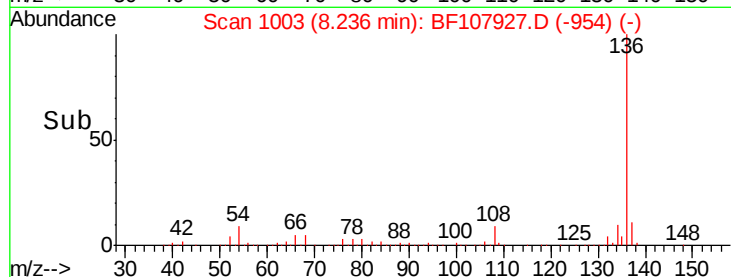
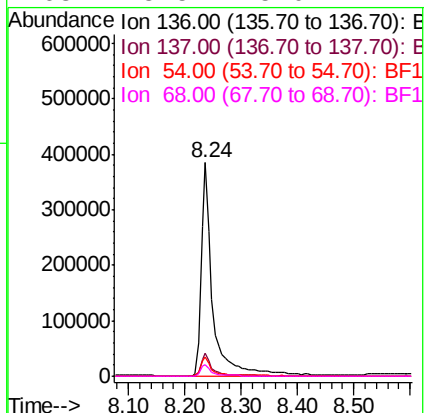
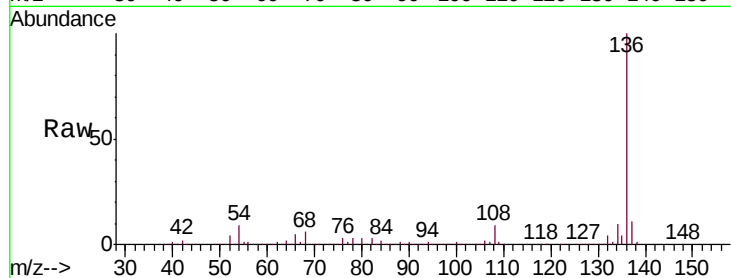




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF107927.D
Acq: 2 Aug 2018 23:23

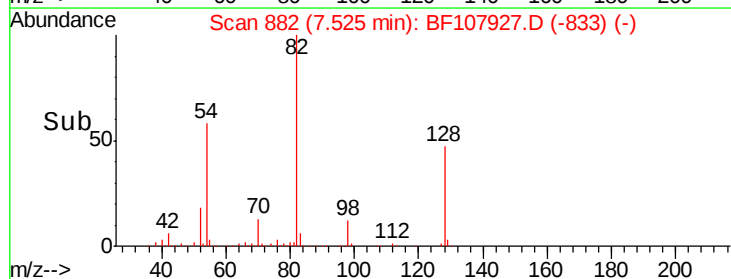
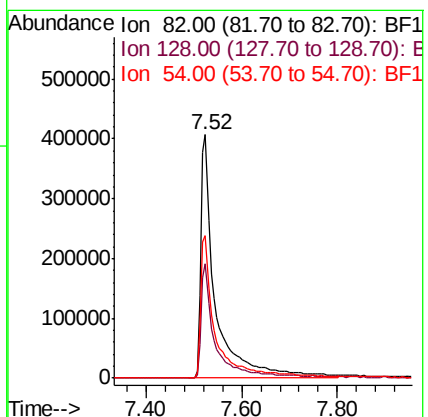
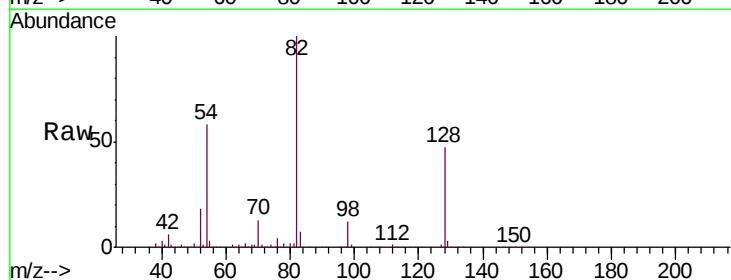
Instrument :
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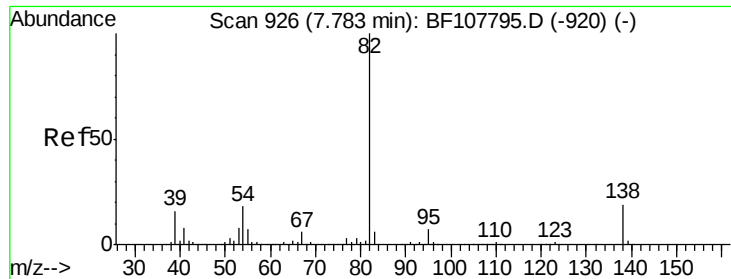
Tgt Ion:	136	Resp:	556990
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	9.0	6.6	9.8
68	5.5	5.0	7.4



#23
Nitrobenzene-d5
Concen: 90.223 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF107927.D
Acq: 2 Aug 2018 23:23

Tgt Ion:	82	Resp:	872294
Ion	Ratio	Lower	Upper
82	100		
128	47.2	36.1	54.1
54	58.5	41.4	62.2





#25

Isophorone

Concen: 56.117 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF107927.D

Acq: 2 Aug 2018 23:23

Instrument :

BNA_F

ClientSampleId :

GW-03

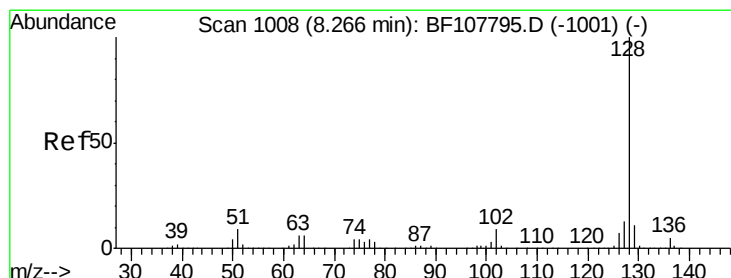
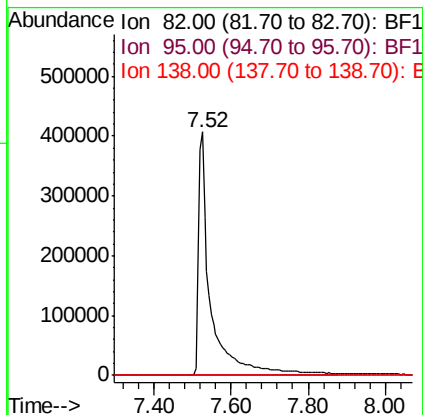
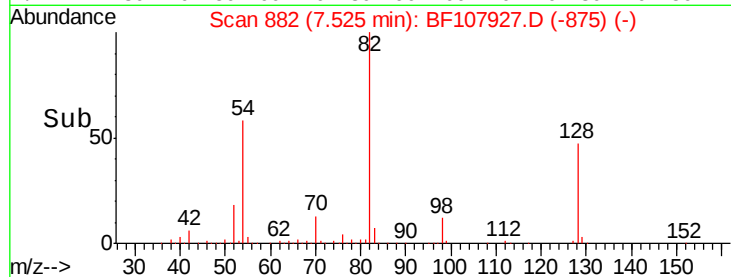
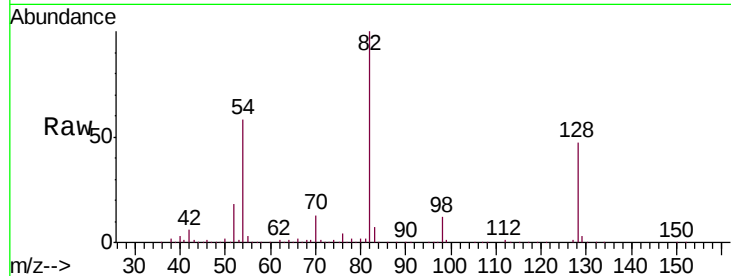
Tgt Ion: 82 Resp: 890593

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



#31

Naphthalene

Concen: 18.856 ng

RT: 8.26 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF107927.D

Acq: 2 Aug 2018 23:23

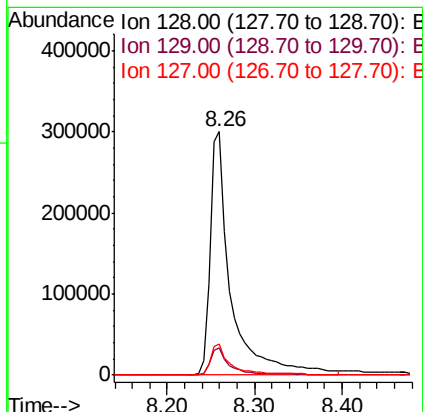
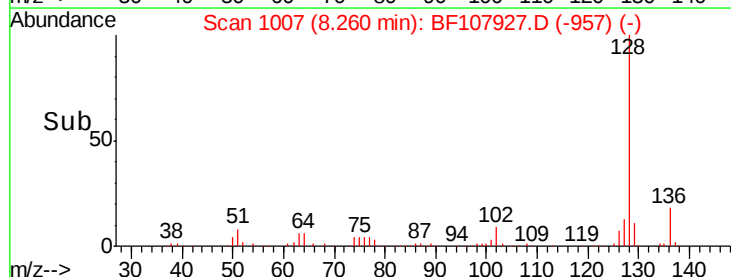
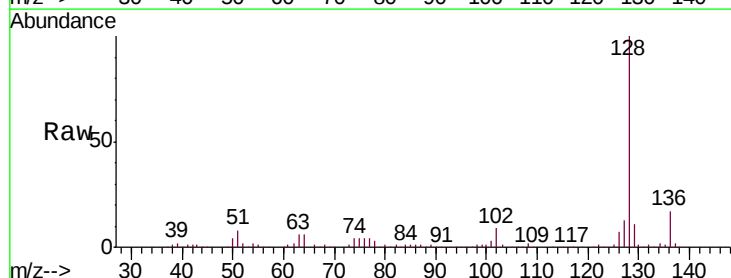
Tgt Ion: 128 Resp: 488218

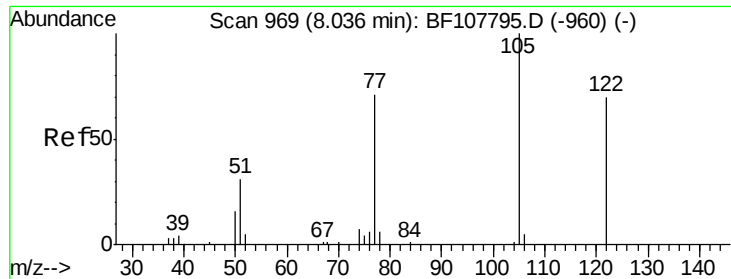
Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

127 13.0 10.9 16.3

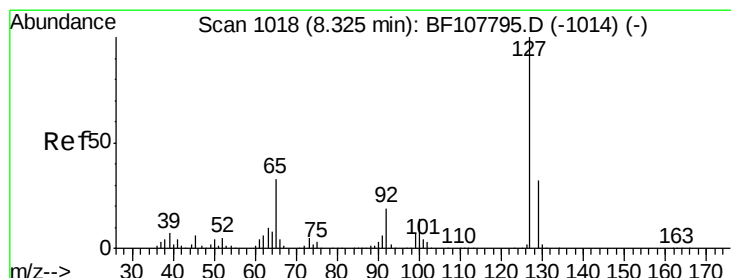
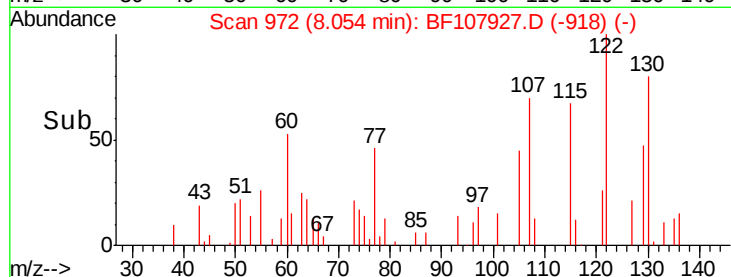
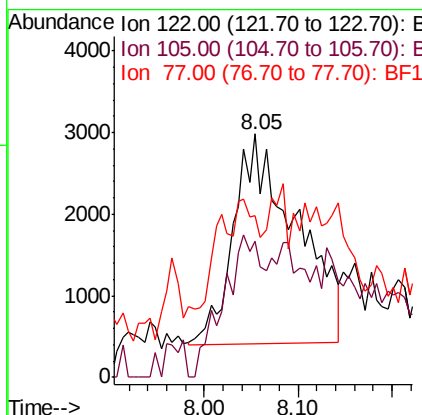
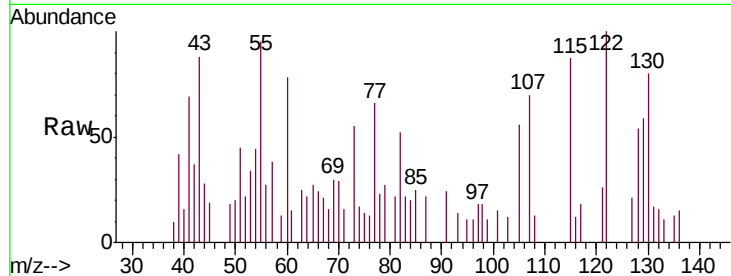




#32
Benzoic acid
Concen: 3.994 ng
RT: 8.05 min Scan# 972
Delta R.T. 0.02 min
Lab File: BF107927.D
Acq: 2 Aug 2018 23:23

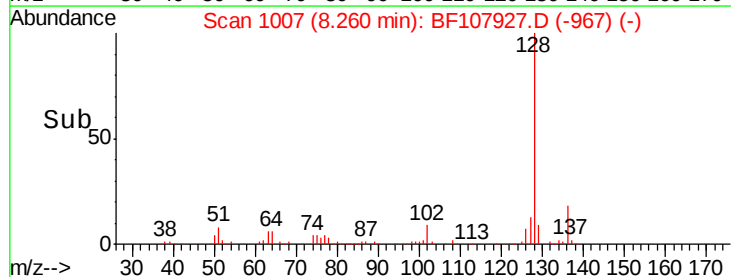
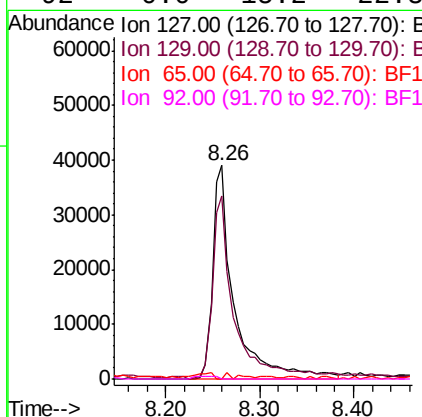
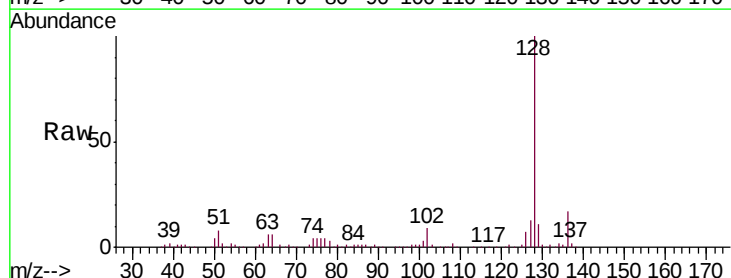
Instrument :
BNA_F
ClientSampleId :
GW-03

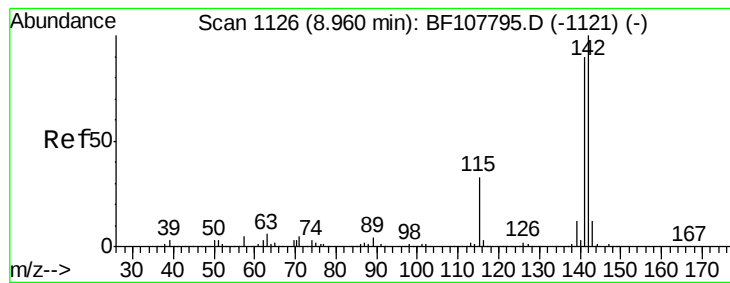
Tgt Ion:122 Resp: 11800
Ion Ratio Lower Upper
122 100
105 55.8 101.1 141.1#
77 66.4 70.7 110.7#



#33
4-Chloroaniline
Concen: 5.701 ng
RT: 8.26 min Scan# 1007
Delta R.T. -0.06 min
Lab File: BF107927.D
Acq: 2 Aug 2018 23:23

Tgt Ion:127 Resp: 63053
Ion Ratio Lower Upper
127 100
129 85.7 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#





#37

2-Methylnaphthalene

Concen: 3.859 ng

RT: 8.95 min Scan# 1124

Delta R.T. -0.01 min

Lab File: BF107927.D

Acq: 2 Aug 2018 23:23

Instrument :

BNA_F

ClientSampleId :

GW-03

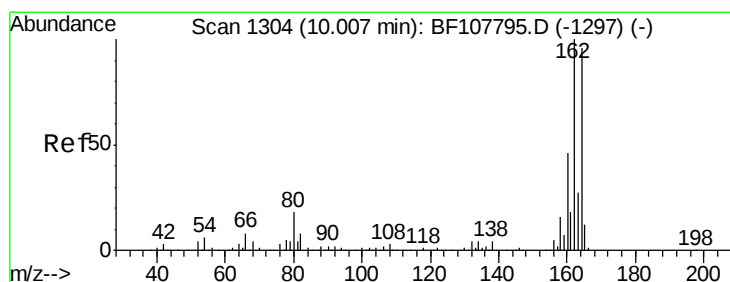
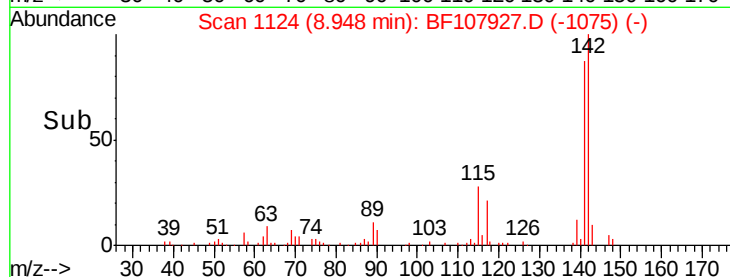
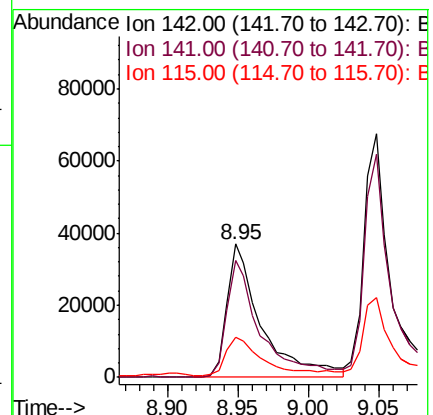
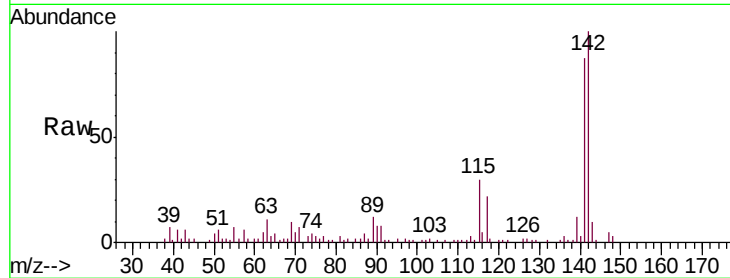
Tgt Ion:142 Resp: 62756

Ion Ratio Lower Upper

142 100

141 87.3 70.8 106.2

115 30.2 26.1 39.1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.99 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BF107927.D

Acq: 2 Aug 2018 23:23

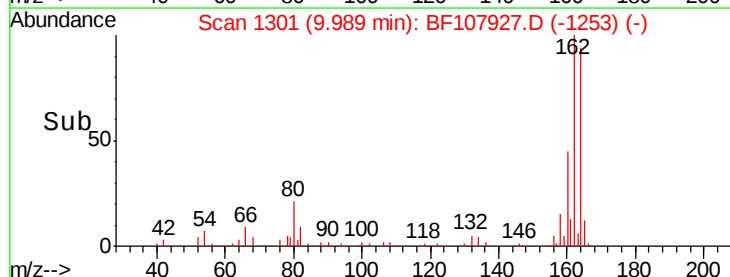
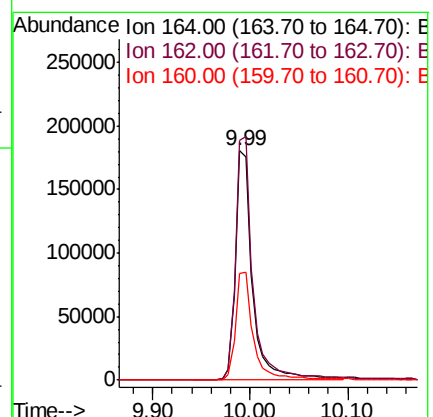
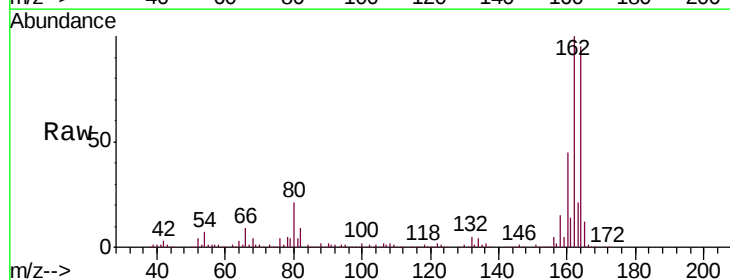
Tgt Ion:164 Resp: 221806

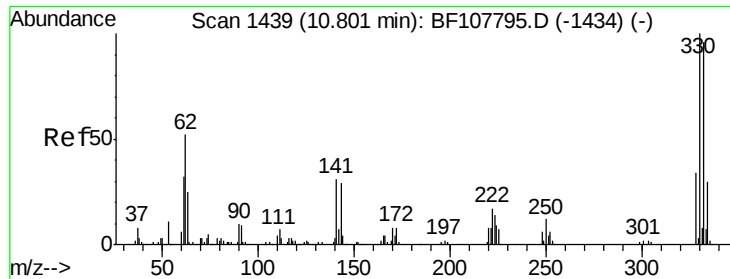
Ion Ratio Lower Upper

164 100

162 104.8 86.1 129.1

160 46.8 38.3 57.5

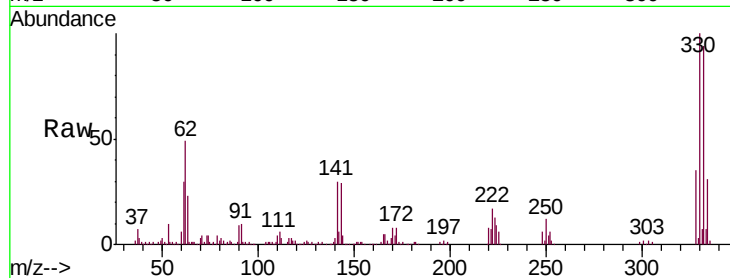




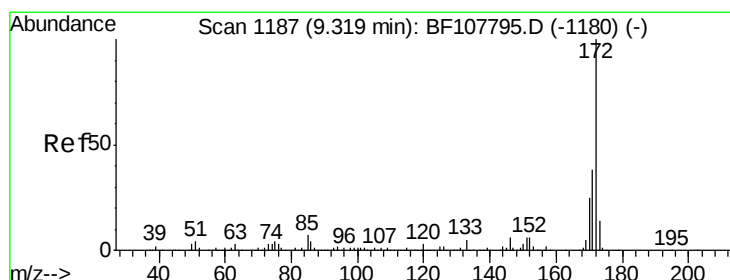
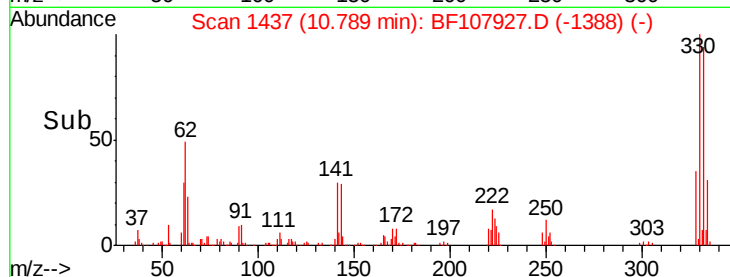
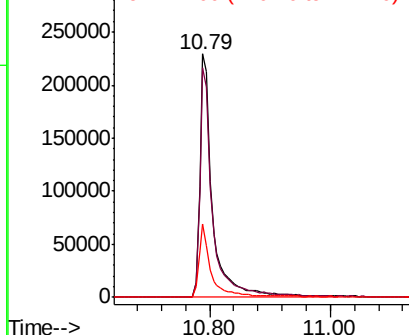
#41
 2,4,6-Tribromophenol
 Concen: 113.081 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107927.D
 Acq: 2 Aug 2018 23:23

Instrument :
 BNA_F
 ClientSampleId :
 GW-03

Tgt Ion:330 Resp: 340815
 Ion Ratio Lower Upper
 330 100
 332 93.7 77.0 115.6
 141 28.7 29.9 44.9#

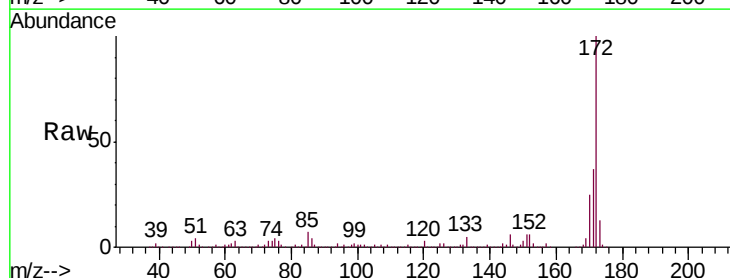


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

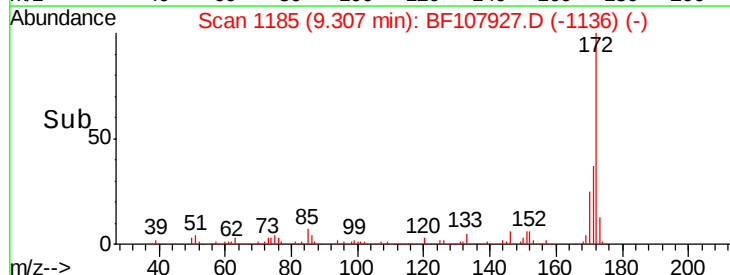
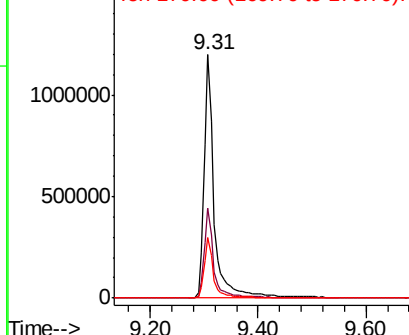


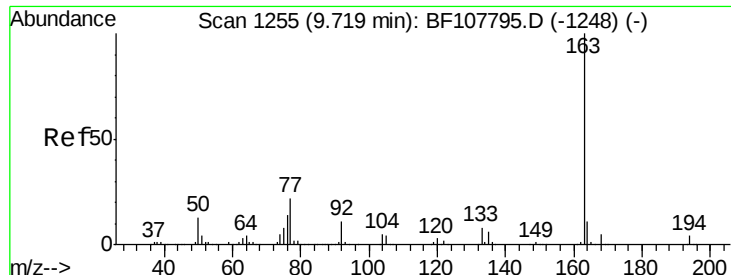
#44
 2-Fluorobiphenyl
 Concen: 98.799 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF107927.D
 Acq: 2 Aug 2018 23:23

Tgt Ion:172 Resp: 1572610
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.7 44.5
 170 24.7 19.6 29.4



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

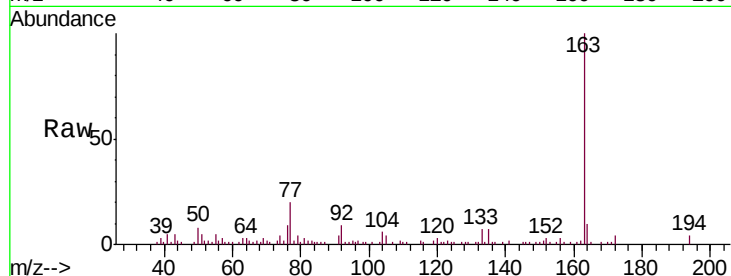




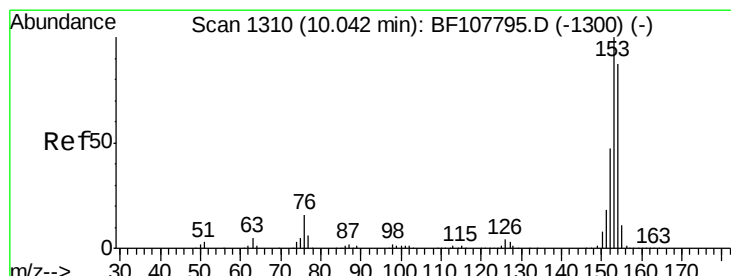
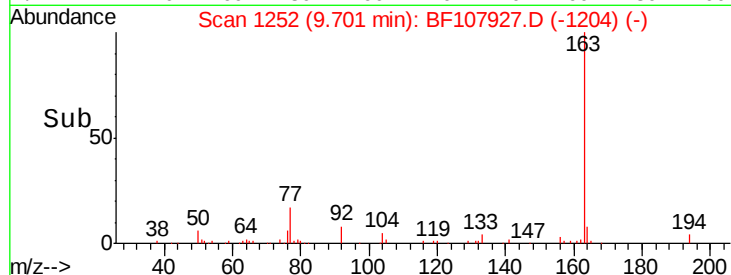
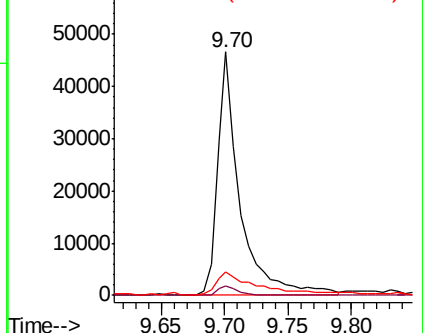
#49
Dimethylphthalate
Concen: 3.473 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF107927.D
Acq: 2 Aug 2018 23:23

Instrument :
BNA_F
ClientSampleId :
GW-03

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.7	4.1
164	9.8	8.2	12.2

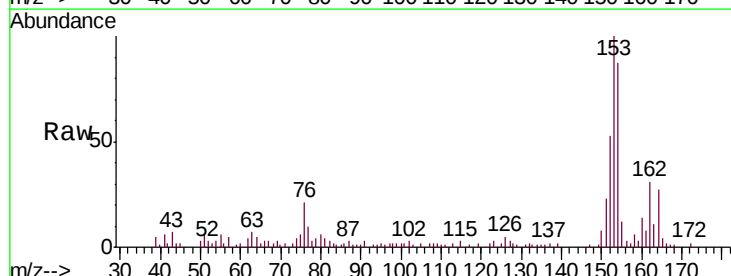


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

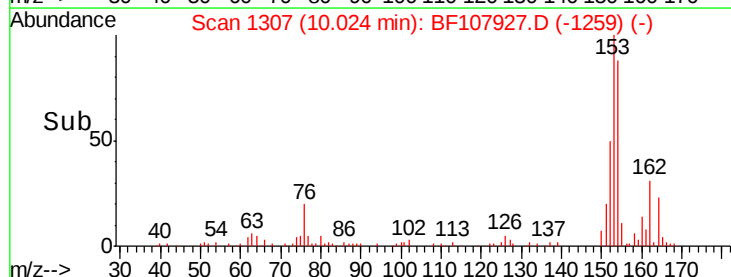
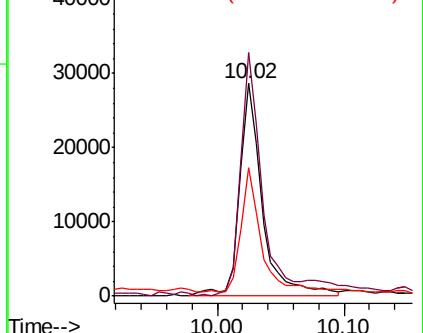


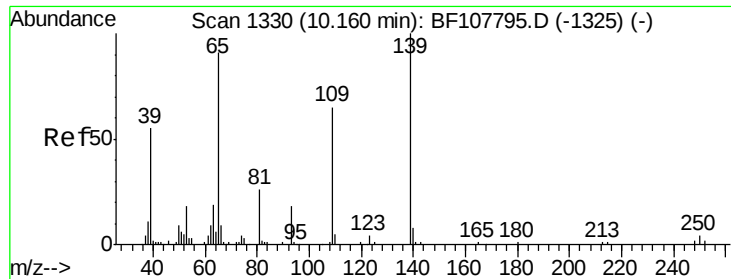
#51
Acenaphthene
Concen: 2.590 ng
RT: 10.02 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BF107927.D
Acq: 2 Aug 2018 23:23

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.4	91.2	136.8
152	60.2	43.8	65.8



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

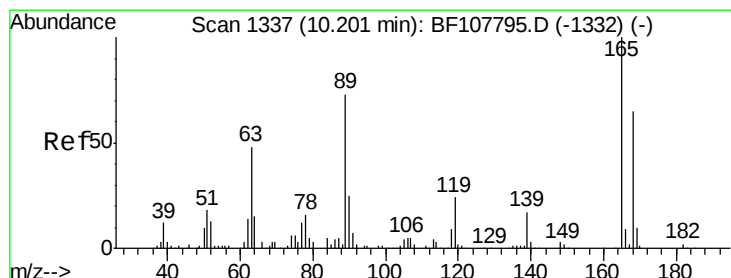
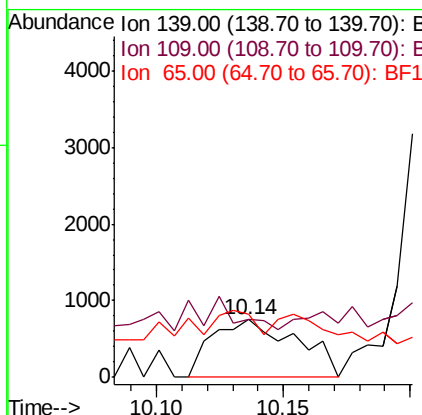
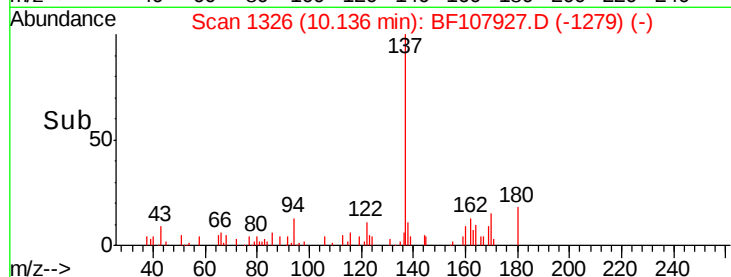
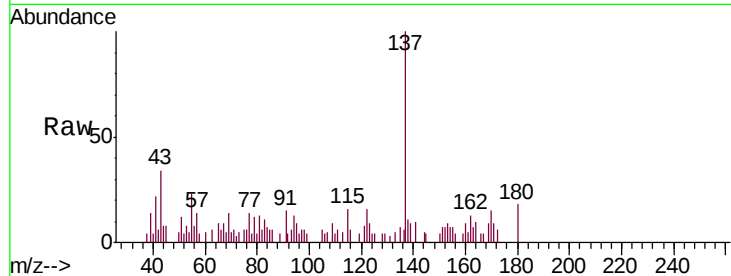




#55
4-Nitrophenol
Concen: 10.030 ng
RT: 10.14 min Scan# 1326
Delta R.T. -0.02 min
Lab File: BF107927.D
Acq: 2 Aug 2018 23:23

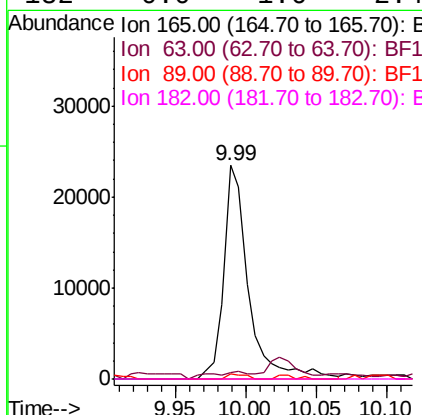
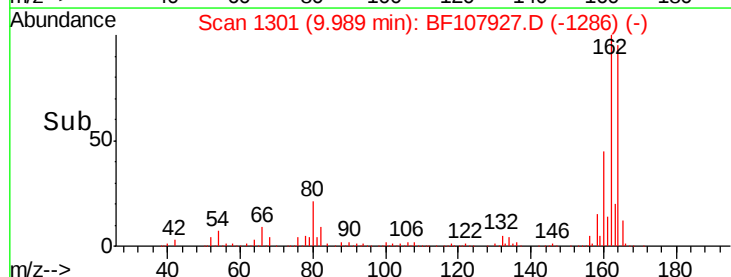
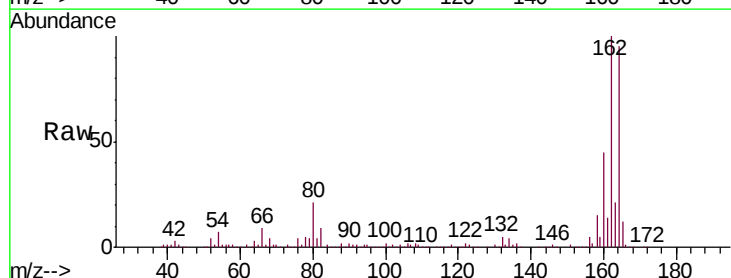
Instrument :
BNA_F
ClientSampleId :
GW-03

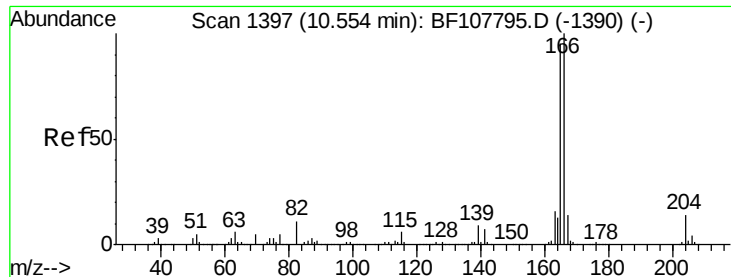
Tgt Ion:139 Resp: 1743
Ion Ratio Lower Upper
139 100
109 101.3 48.4 88.4#
65 108.4 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 6.040 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.21 min
Lab File: BF107927.D
Acq: 2 Aug 2018 23:23

Tgt Ion:165 Resp: 28740
Ion Ratio Lower Upper
165 100
63 3.1 36.4 54.6#
89 2.2 57.8 86.6#
182 0.0 1.6 2.4#

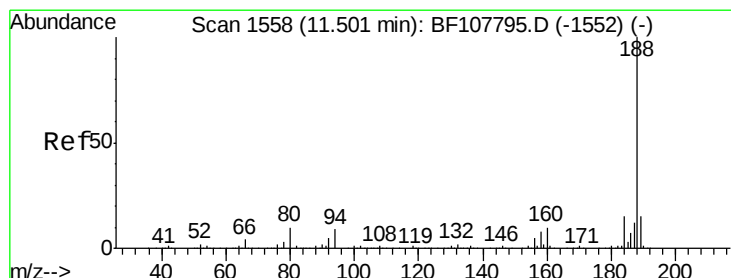
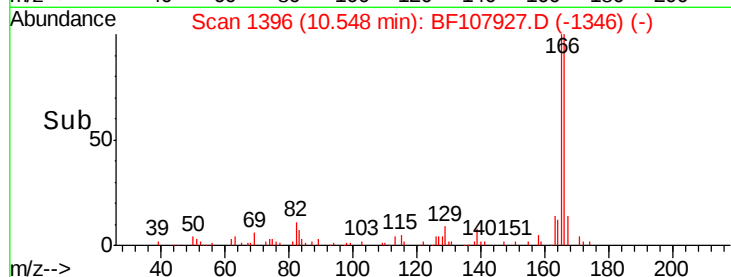
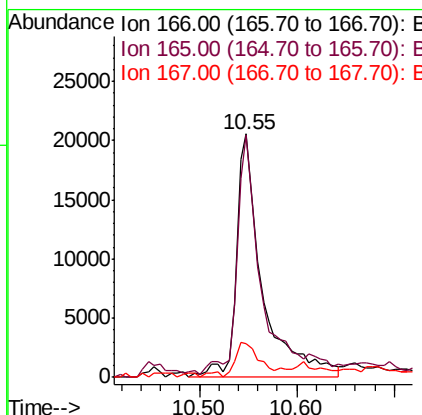
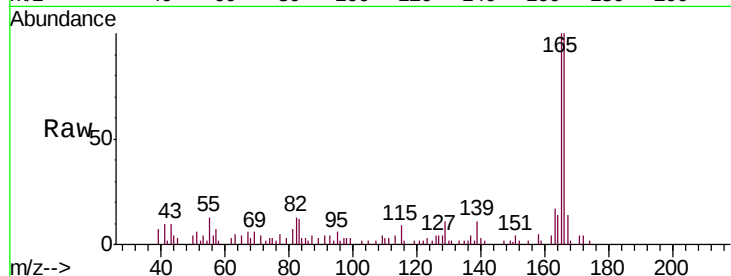




#57
 Fluorene
 Concen: 2.328 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF107927.D
 Acq: 2 Aug 2018 23:23

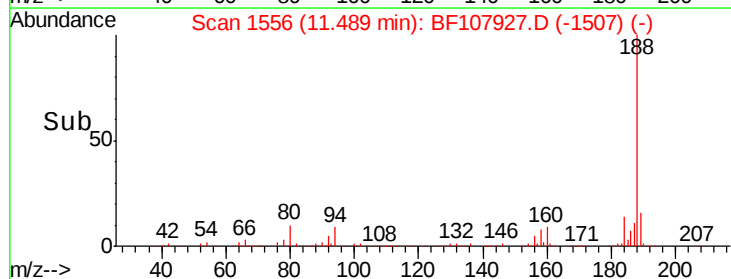
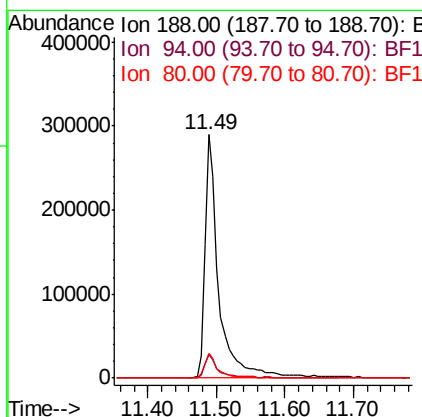
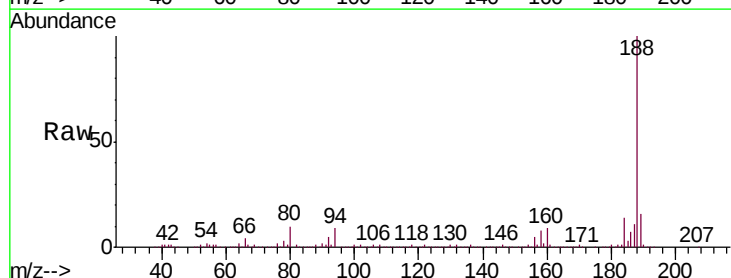
Instrument :
 BNA_F
 ClientSampled :
 GW-03

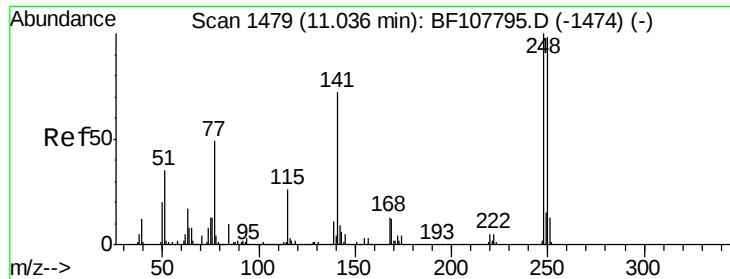
Tgt Ion:166 Resp: 38335
 Ion Ratio Lower Upper
 166 100
 165 99.5 79.8 119.8
 167 14.1 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF107927.D
 Acq: 2 Aug 2018 23:23

Tgt Ion:188 Resp: 419504
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.5 12.7
 80 10.4 9.2 13.8

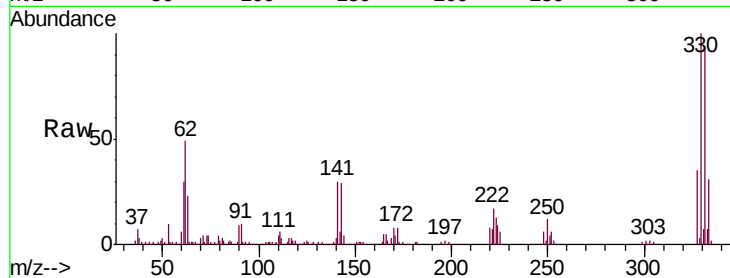




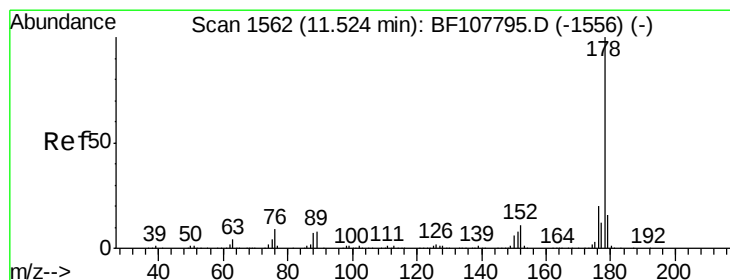
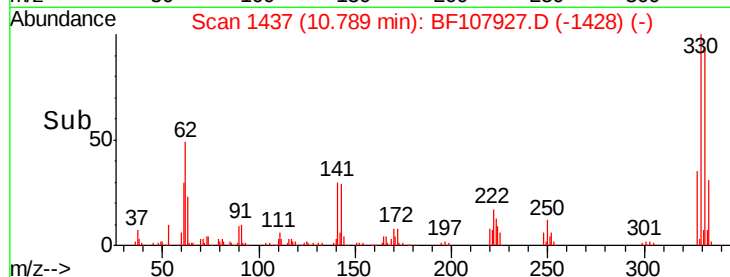
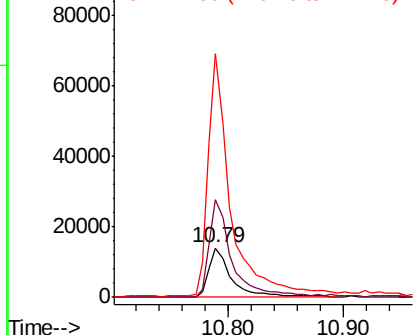
#66
4-Bromophenyl-phenylether
Concen: 4.009 ng
RT: 10.79 min Scan# 1437
Delta R.T. -0.25 min
Lab File: BF107927.D
Acq: 2 Aug 2018 23:23

Instrument :
BNA_F
ClientSampleId :
GW-03

Tgt Ion:248 Resp: 19600
Ion Ratio Lower Upper
248 100
250 199.6 76.9 115.3#
141 494.4 74.4 111.6#

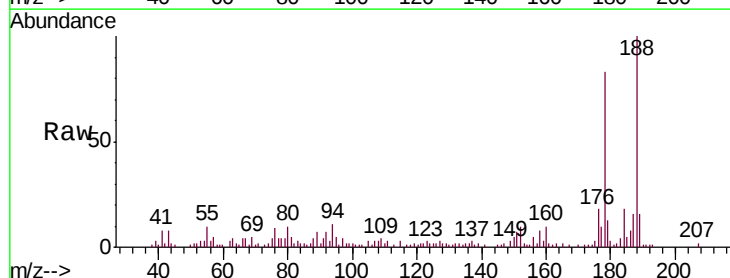


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

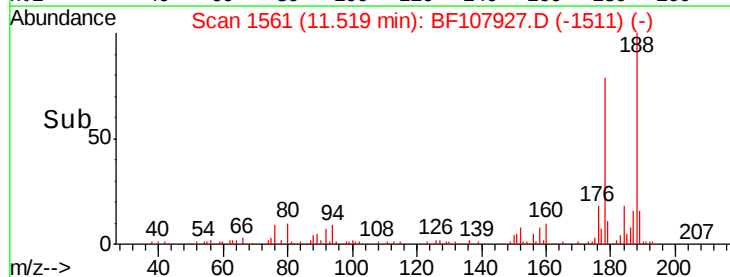
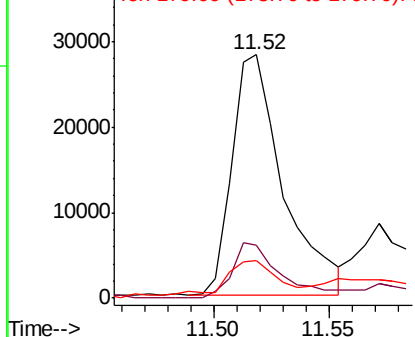


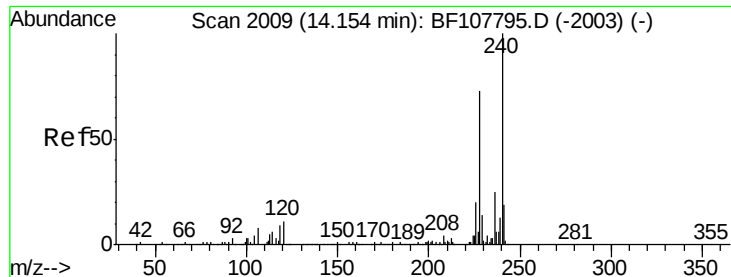
#70
Phenanthrene
Concen: 2.194 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF107927.D
Acq: 2 Aug 2018 23:23

Tgt Ion:178 Resp: 43698
Ion Ratio Lower Upper
178 100
176 22.0 15.8 23.8
179 15.6 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF107927.D

Acq: 2 Aug 2018 23:23

Instrument :

BNA_F

ClientSampleId :

GW-03

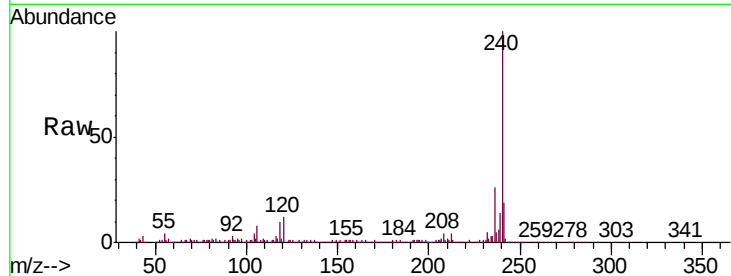
Tgt Ion:240 Resp: 366190

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

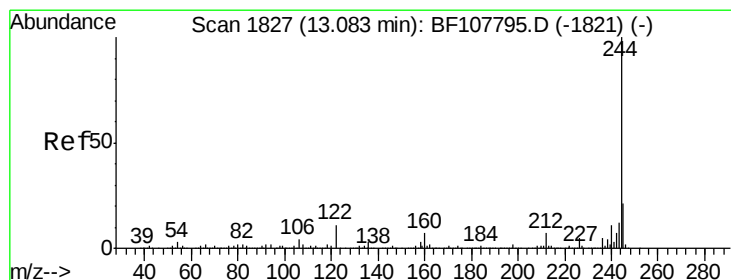
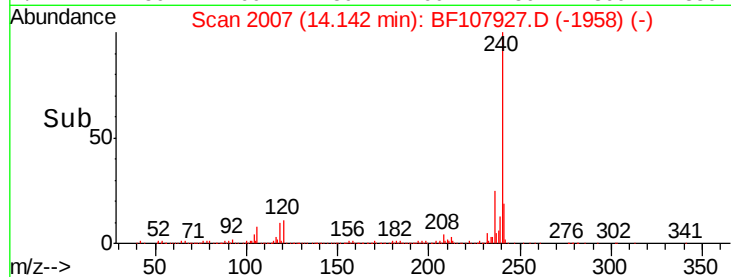
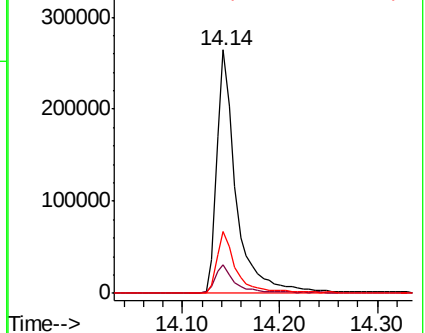
236 25.6 20.7 31.1



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



#78

Terphenyl-d14

Concen: 85.338 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107927.D

Acq: 2 Aug 2018 23:23

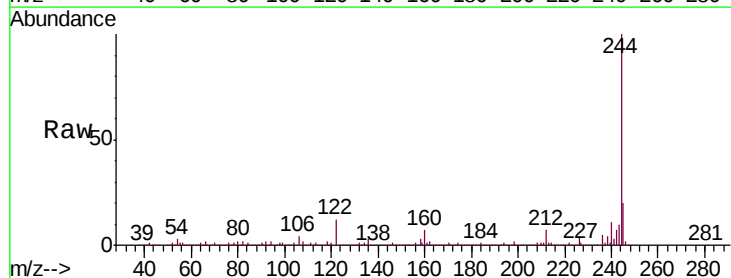
Tgt Ion:244 Resp: 1441129

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

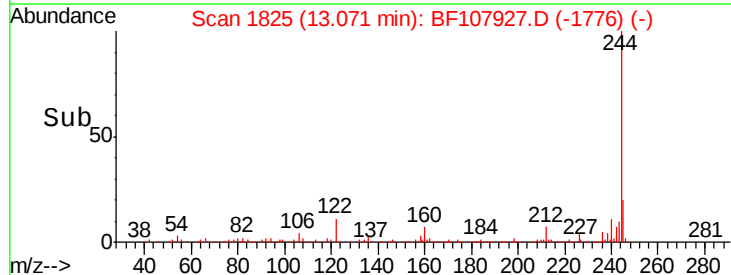
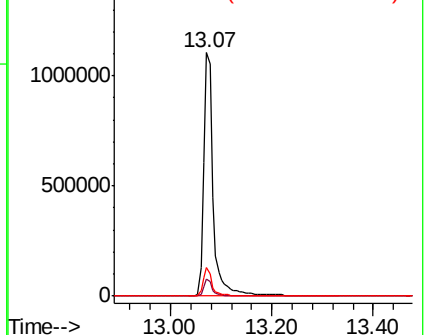
122 11.5 11.0 16.4

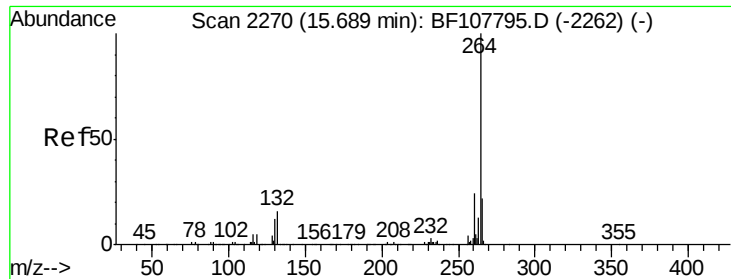


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.67 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF107927.D
Acq: 2 Aug 2018 23:23

Instrument :
BNA_F
ClientSampleId :
GW-03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.7	17.5	26.3

