

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080318\
 Data File : BF107938.D
 Acq On : 3 Aug 2018 15:29
 Operator : JU/SJ
 Sample : J4262-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-073118

Quant Time: Aug 03 17:14:32 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	140268	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	535735	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	273779	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	522701	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	342861	20.00	ng	-0.01
86) Perylene-d12	15.67	264	379810	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	428144	51.88	ng	0.00
7) Phenol-d6	6.61	99	352315	32.39	ng	0.00
23) Nitrobenzene-d5	7.52	82	884595	95.13	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	400430	107.64	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	1692066	86.12	ng	-0.01
78) Terphenyl-d14	13.07	244	1439312	91.03	ng	-0.01

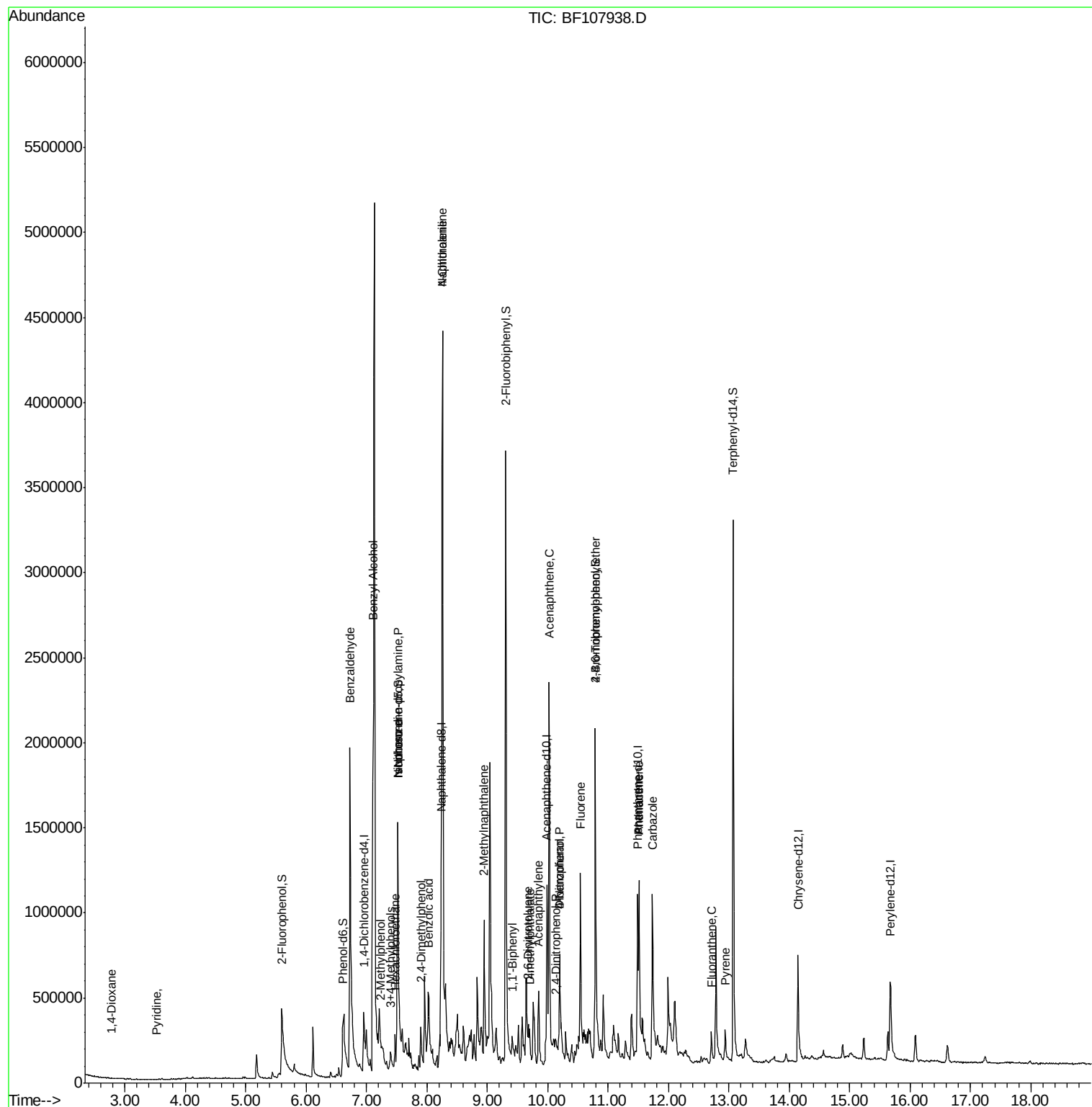
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.78	88	190	5.837	ng	# 1
3) Pyridine	3.53	79	122	6.265	ng	# 1
9) Benzaldehyde	6.72	77	17472	2.662	ng	83
15) Benzyl Alcohol	7.11	79	18022	2.666	ng	# 49
17) 2-Methylphenol	7.24	107	38852	5.077	ng	# 91
18) Hexachloroethane	7.47	117	11755	2.702	ng	# 1
19) n-Nitroso-di-n-propylamine	7.52	70	109810	15.914	ng	# 78
20) 3+4-Methylphenols	7.40	107	68248	7.263	ng	96
25) Isophorone	7.52	82	884595	57.950	ng	# 64
27) 2,4-Dimethylphenol	7.90	122	56578	8.635	ng	95
31) Naphthalene	8.26	128	2835361	113.855	ng	97
32) Benzoic acid	8.03	122	131439	30.223	ng	# 23
33) 4-Chloroaniline	8.26	127	392610	36.909	ng	# 34
37) 2-Methylnaphthalene	8.95	142	352766	22.551	ng	97
45) 1,1'-Biphenyl	9.41	154	76457	3.069	ng	99
48) Acenaphthylene	9.85	152	161286	5.537	ng	# 96
49) Dimethylphthalate	9.70	163	80586	3.919	ng	99
50) 2,6-Dinitrotoluene	9.68	165	10233	2.290	ng	# 81
51) Acenaphthene	10.02	154	615546	36.379	ng	99
53) 2,4-Dinitrophenol	10.14	184	796	8.743	ng	# 1
54) Dibenzofuran	10.20	168	410396	15.692	ng	97
55) 4-Nitrophenol	10.20	139	147990	58.658	ng	# 11
57) Fluorene	10.54	166	516803	25.427	ng	92
66) 4-Bromophenyl-phenylether	10.79	248	23455	3.850	ng	# 1
70) Phenanthrene	11.51	178	516591	20.814	ng	99
71) Anthracene	11.51	178	516591	18.045	ng	99
72) Carbazole	11.73	167	837519	29.604	ng	99
74) Fluoranthene	12.71	202	110013	3.773	ng	97
77) Pyrene	12.94	202	115283	4.669	ng	99

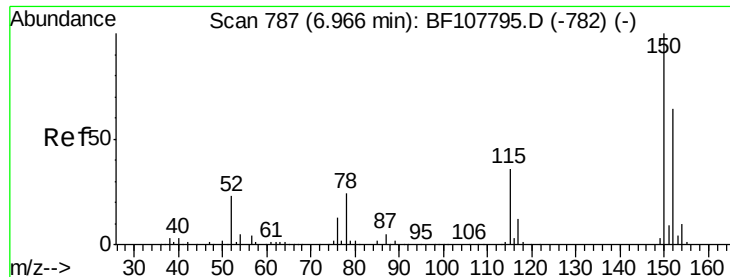
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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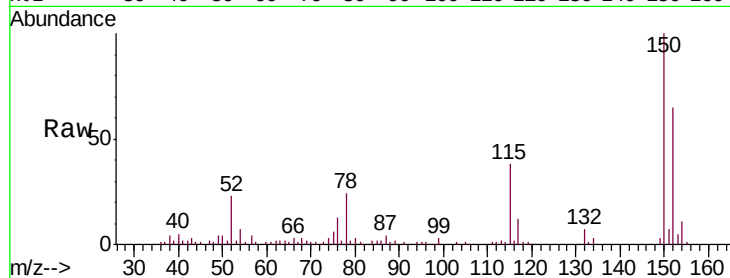


#1

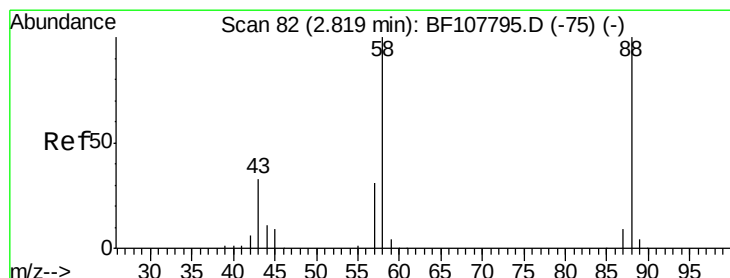
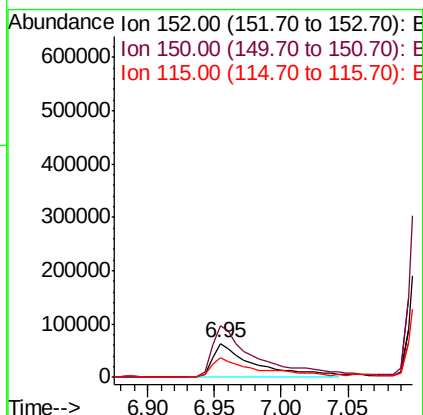
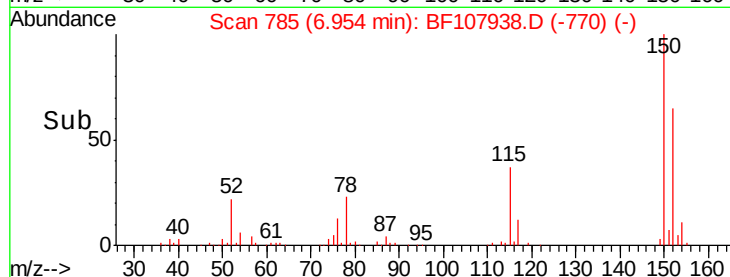
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107938.D
Acq: 3 Aug 2018 15:29

Instrument :
BNA_F
ClientSampleId :
DUP-073118

Tgt Ion:152 Resp: 140268
Ion Ratio Lower Upper
152 100
150 154.2 124.6 186.8
115 57.8 50.1 75.1



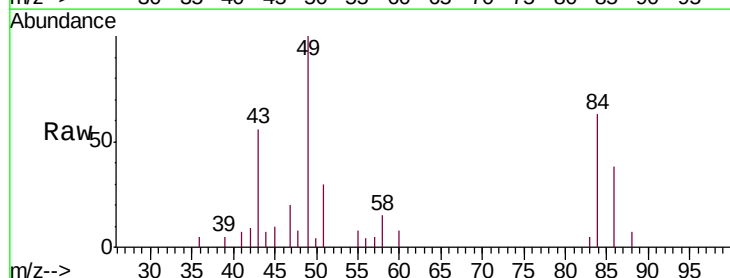
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



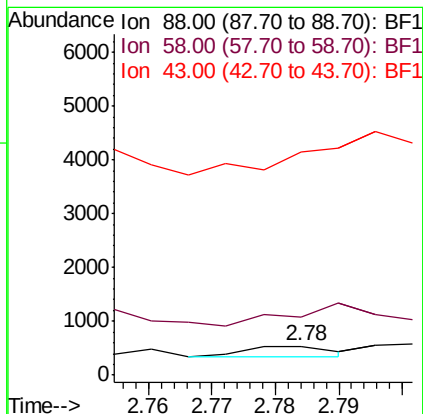
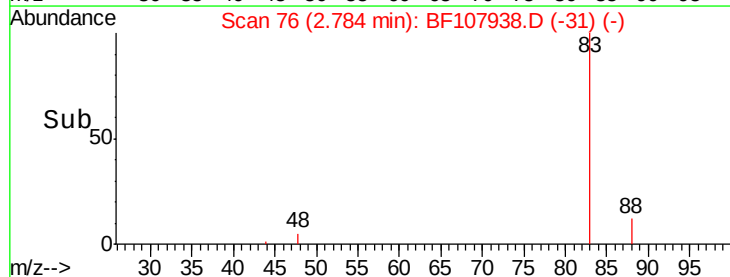
#2

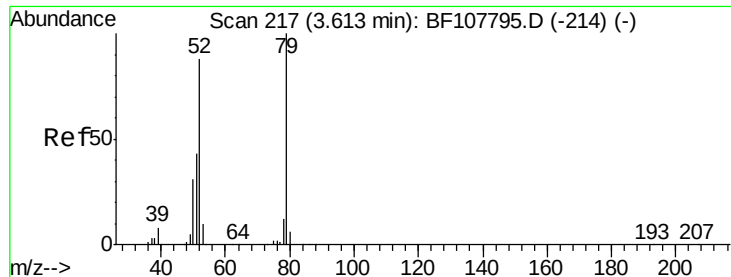
1,4-Dioxane
Concen: 5.837 ng
RT: 2.78 min Scan# 76
Delta R.T. -0.04 min
Lab File: BF107938.D
Acq: 3 Aug 2018 15:29

Tgt Ion: 88 Resp: 190
Ion Ratio Lower Upper
88 100
58 215.3 62.6 93.8#
43 916.8 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: 3.53 min Scan# 202

Delta R.T. -0.09 min

Lab File: BF107938.D

Acq: 3 Aug 2018 15:29

Instrument :

BNA_F

ClientSampleId :

DUP-073118

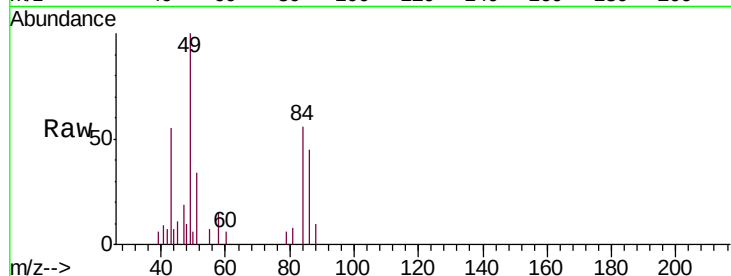
Tgt Ion: 79 Resp: 122

Ion Ratio Lower Upper

79 100

52 0.0 59.8 89.6#

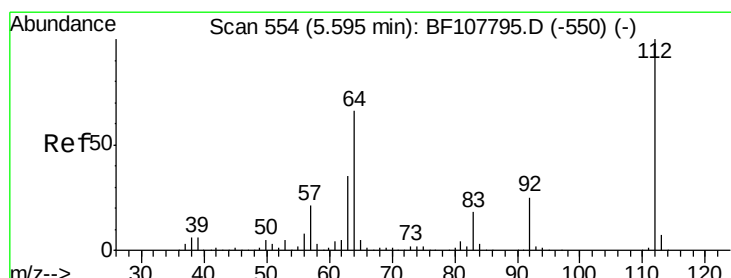
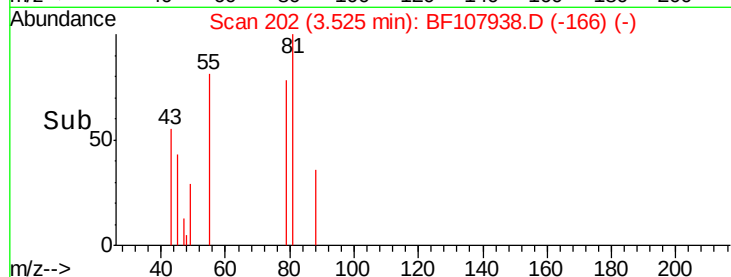
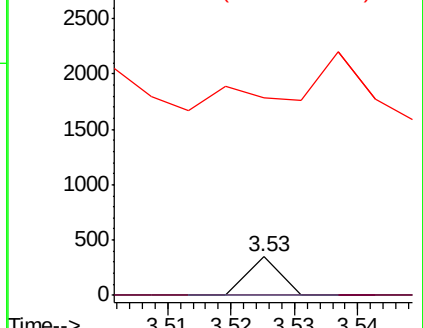
51 515.9 29.8 44.8#



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: 51.876 ng

RT: 5.60 min Scan# 555

Delta R.T. 0.01 min

Lab File: BF107938.D

Acq: 3 Aug 2018 15:29

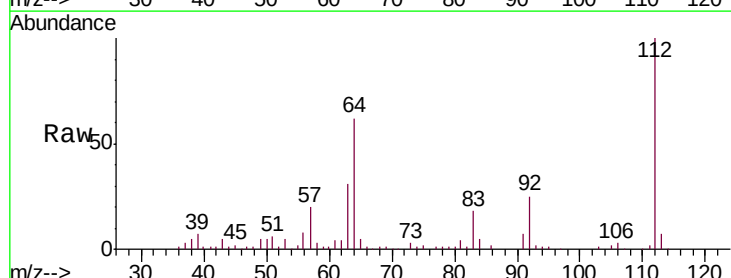
Tgt Ion: 112 Resp: 428144

Ion Ratio Lower Upper

112 100

64 62.4 47.9 71.9

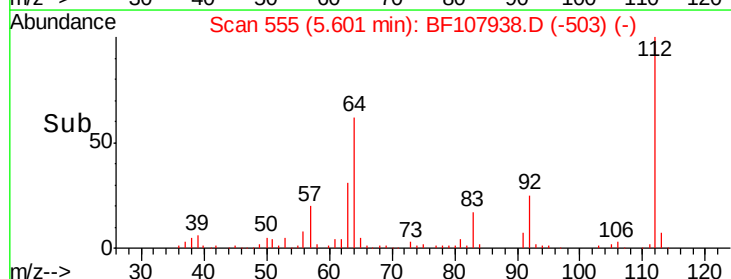
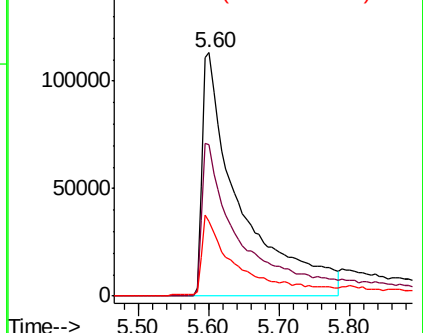
63 30.8 23.7 35.5

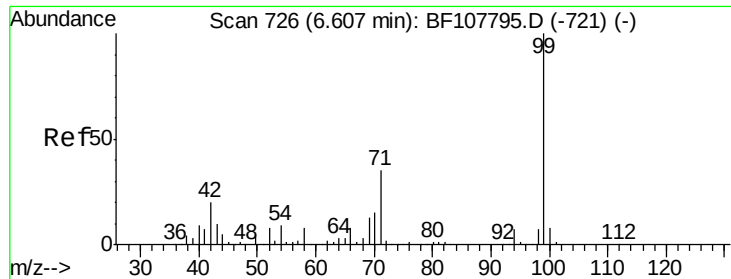


Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 32.390 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF107938.D

Acq: 3 Aug 2018 15:29

Instrument :

BNA_F

ClientSampleId :

DUP-073118

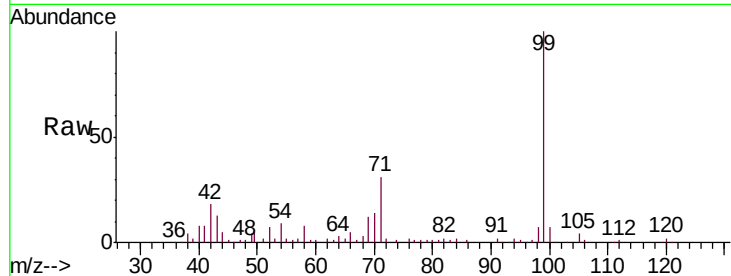
Tgt Ion: 99 Resp: 352315

Ion Ratio Lower Upper

99 100

42 18.2 14.5 21.7

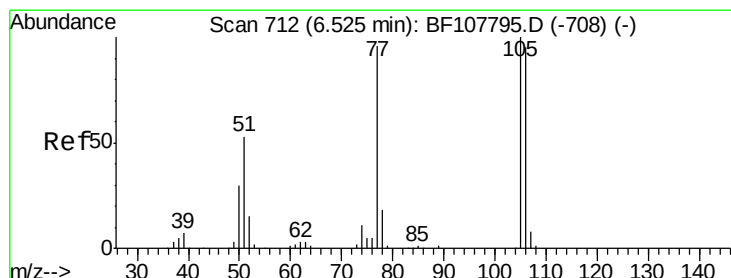
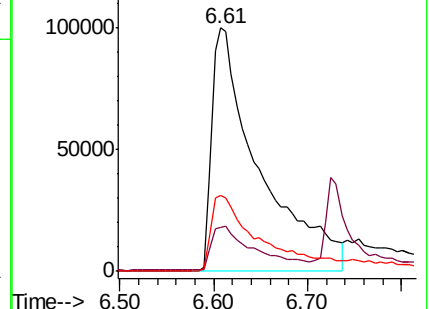
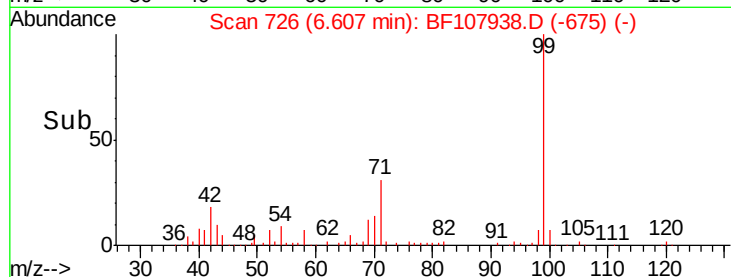
71 31.0 25.4 38.0



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: 2.662 ng

RT: 6.72 min Scan# 746

Delta R.T. 0.20 min

Lab File: BF107938.D

Acq: 3 Aug 2018 15:29

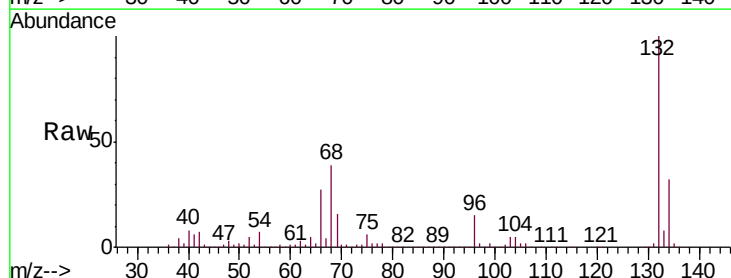
Tgt Ion: 77 Resp: 17472

Ion Ratio Lower Upper

77 100

105 86.8 81.1 121.1

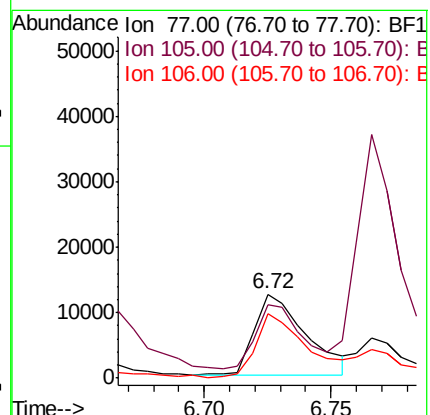
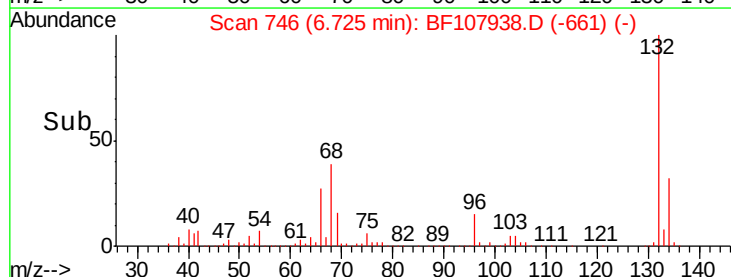
106 76.0 74.5 114.5

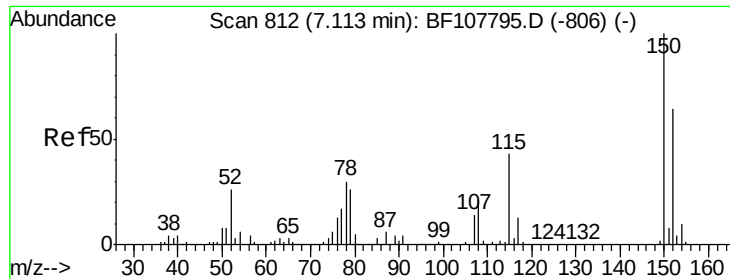


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.666 ng

RT: 7.11 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF107938.D

Acq: 3 Aug 2018 15:29

Instrument :

BNA_F

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DUP-073118

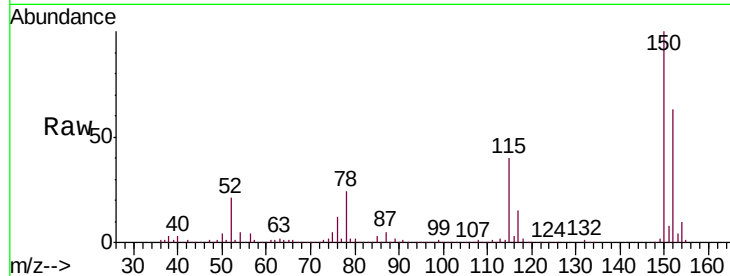
Tgt Ion: 79 Resp: 18022

Ion Ratio Lower Upper

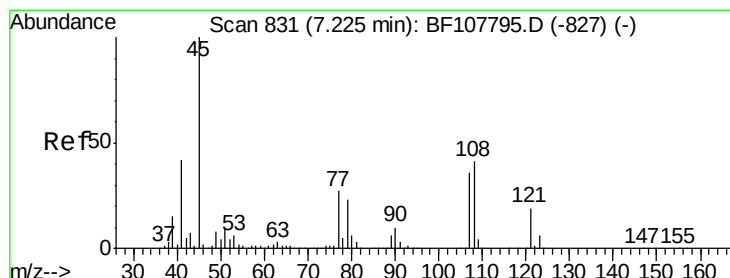
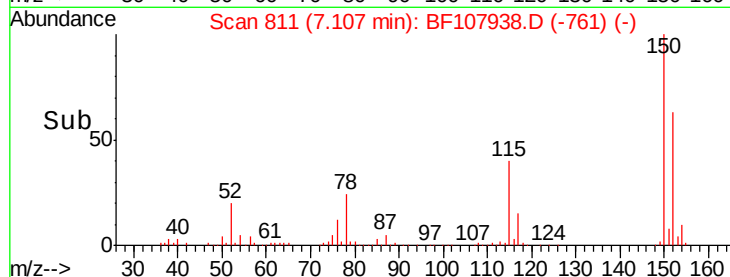
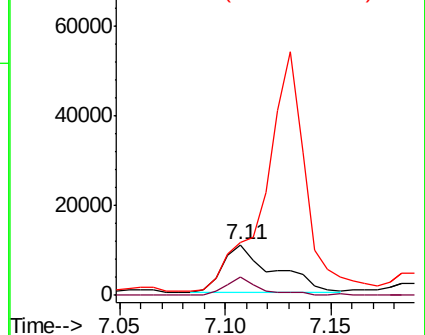
79 100

108 35.8 65.1 97.7#

77 103.3 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



#17

2-Methylphenol

Concen: 5.077 ng

RT: 7.24 min Scan# 834

Delta R.T. 0.02 min

Lab File: BF107938.D

Acq: 3 Aug 2018 15:29

Tgt Ion: 107 Resp: 38852

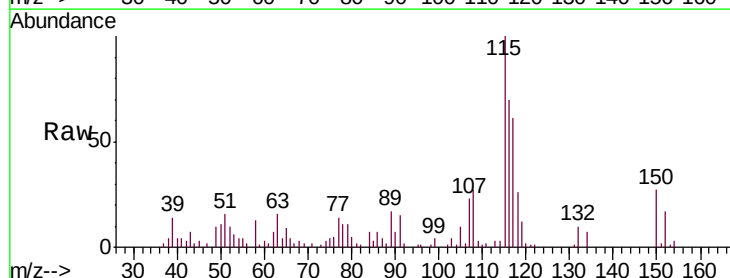
Ion Ratio Lower Upper

107 100

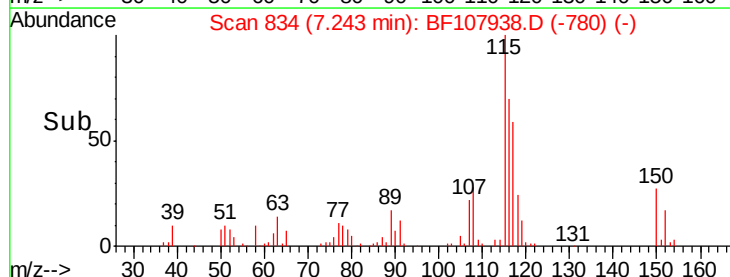
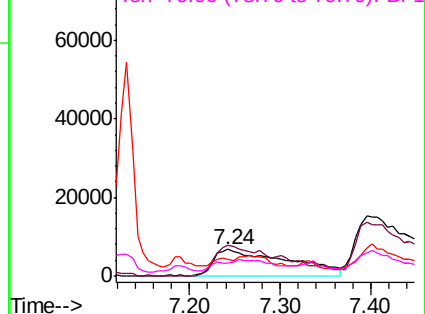
108 116.7 91.7 137.5

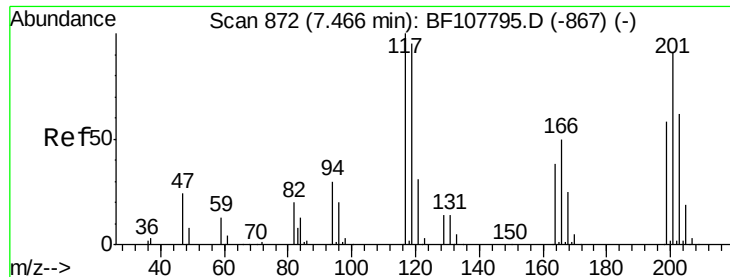
77 61.3 33.8 50.8#

79 46.4 33.8 50.8



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

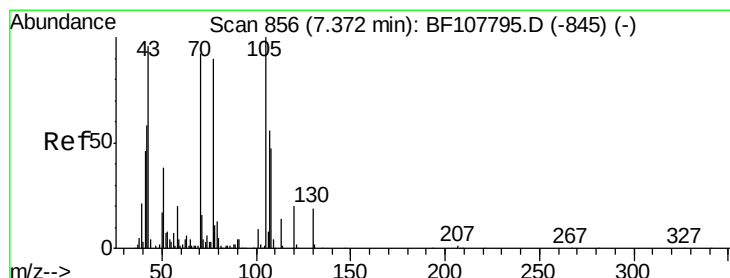
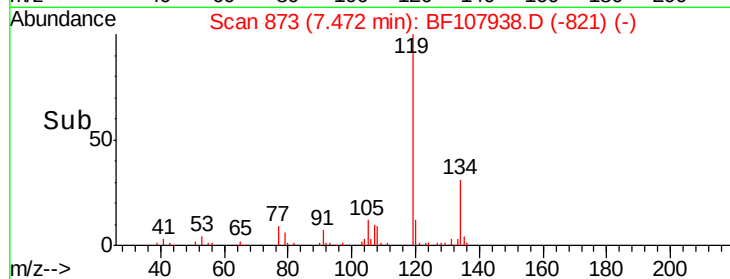
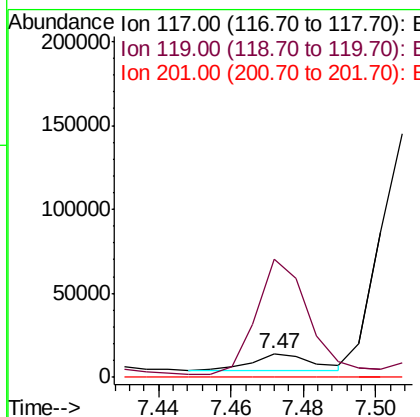
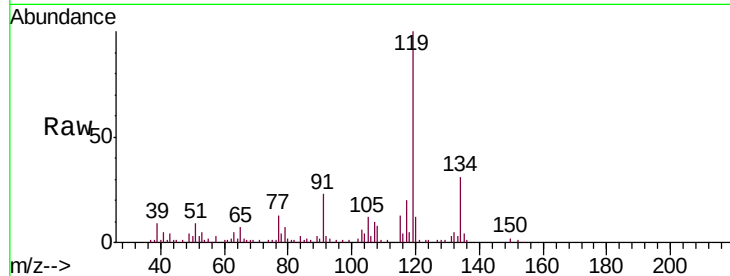




#18
 Hexachloroethane
 Concen: 2.702 ng
 RT: 7.47 min Scan# 873
 Delta R.T. 0.01 min
 Lab File: BF107938.D
 Acq: 3 Aug 2018 15:29

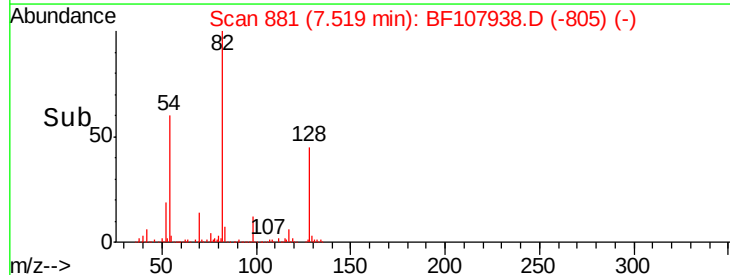
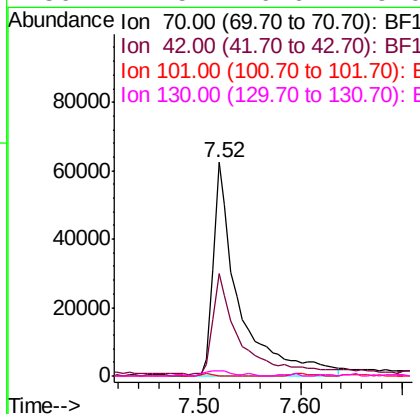
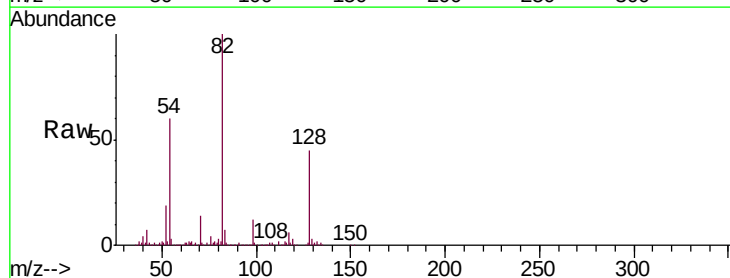
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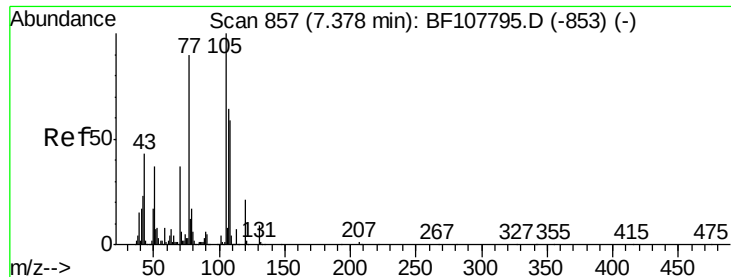
Tgt Ion: 117 Resp: 11755
 Ion Ratio Lower Upper
 117 100
 119 492.3 75.8 113.8#
 201 0.0 75.7 113.5#



#19
 n-Nitroso-di-n-propylamine
 Concen: 15.914 ng
 RT: 7.52 min Scan# 881
 Delta R.T. 0.15 min
 Lab File: BF107938.D
 Acq: 3 Aug 2018 15:29

Tgt Ion: 70 Resp: 109810
 Ion Ratio Lower Upper
 70 100
 42 48.1 47.5 71.3
 101 0.0 7.4 11.2#
 130 2.5 16.6 25.0#

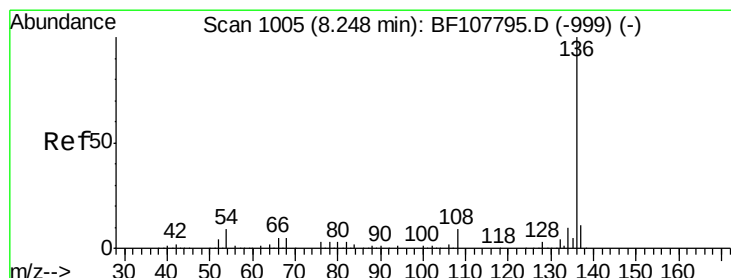
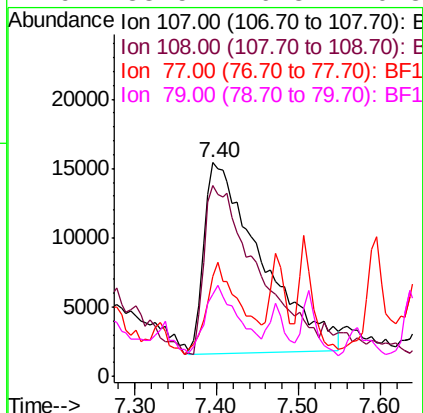
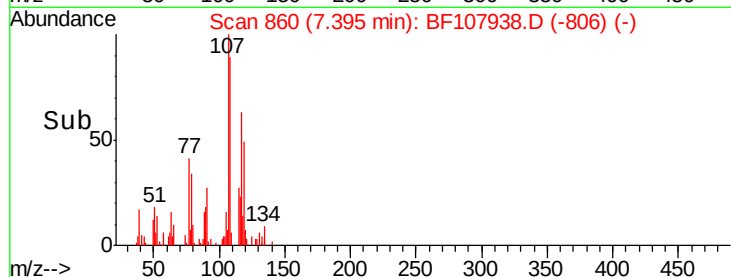
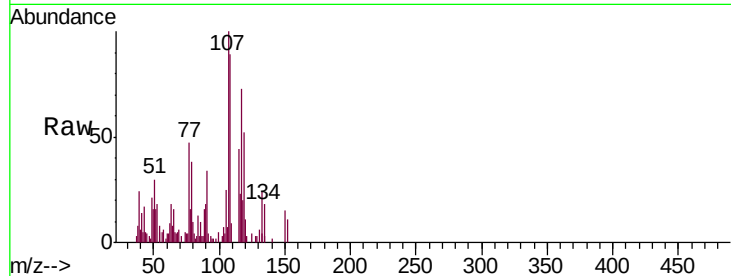




#20
3+4-Methylphenols
Concen: 7.263 ng
RT: 7.40 min Scan# 860
Delta R.T. 0.02 min
Lab File: BF107938.D
Acq: 3 Aug 2018 15:29

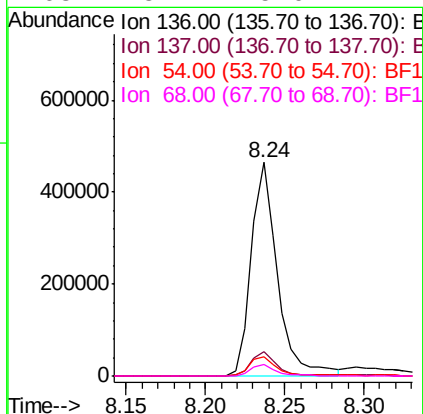
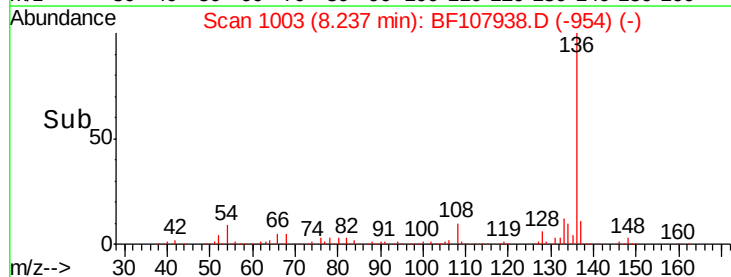
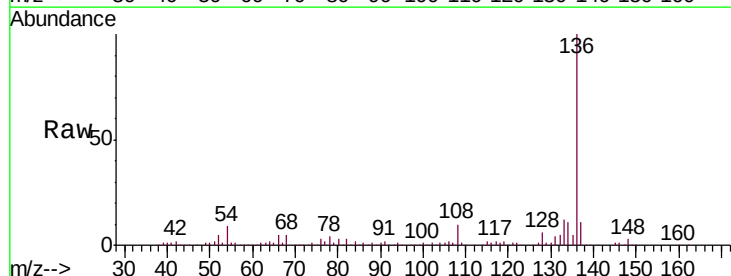
Instrument :
BNA_F
ClientSampleId :
DUP-073118

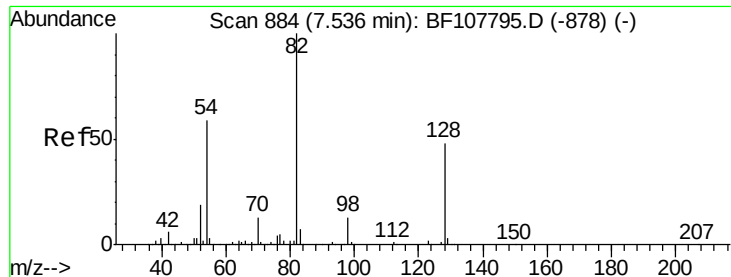
Tgt Ion:	107	Resp:	68248
Ion	Ratio	Lower	Upper
107	100		
108	89.0	68.2	108.2
77	46.9	26.7	66.7
79	38.5	6.3	46.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF107938.D
Acq: 3 Aug 2018 15:29

Tgt Ion:	136	Resp:	535735
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.1	6.6	9.8
68	5.2	5.0	7.4

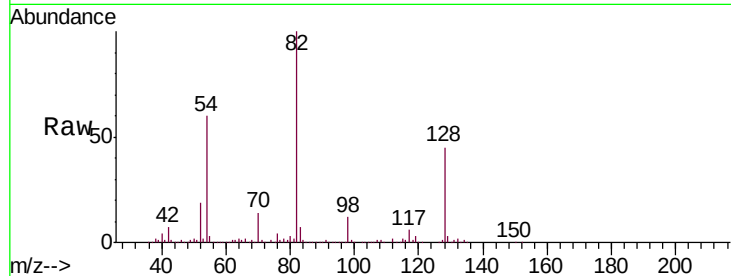




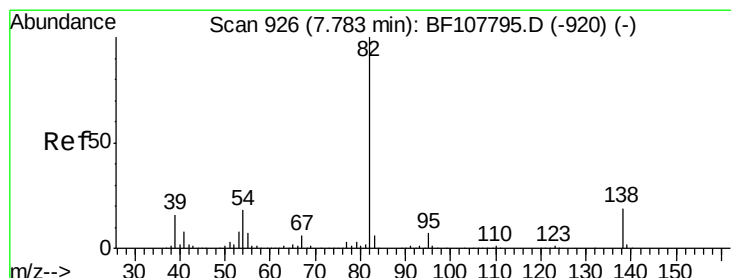
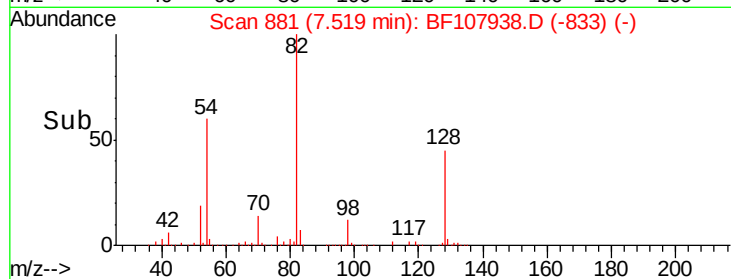
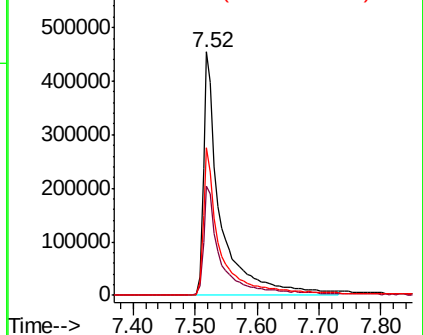
#23
 Nitrobenzene-d5
 Concen: 95.125 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BF107938.D
 Acq: 3 Aug 2018 15:29

Instrument :
 BNA_F
 ClientSampleId :
 DUP-073118

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.9	36.1	54.1
54	60.4	41.4	62.2

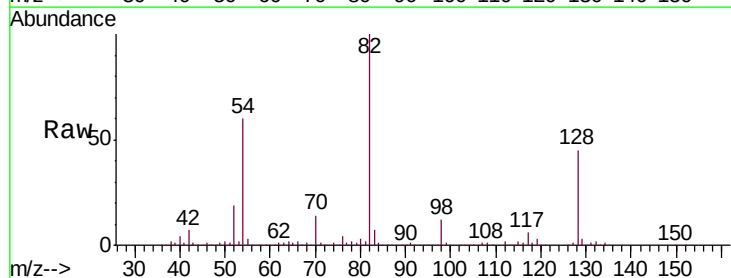


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

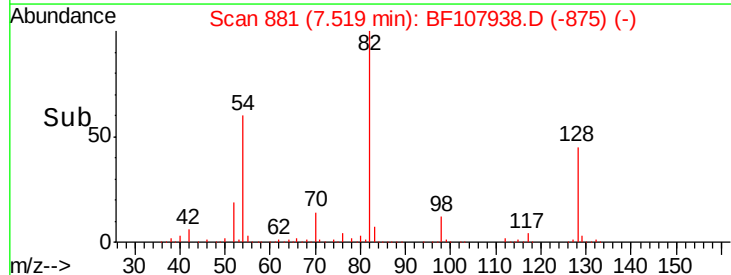
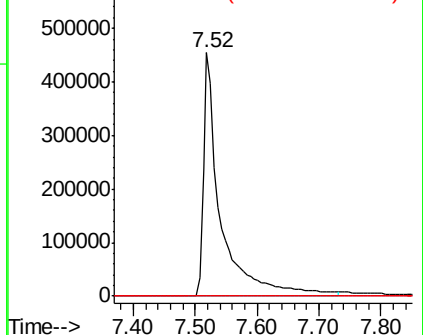


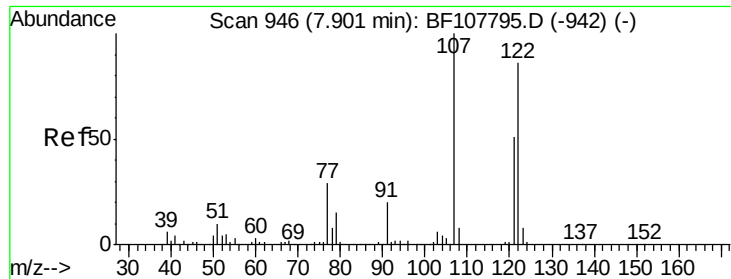
#25
 Isophorone
 Concen: 57.950 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.26 min
 Lab File: BF107938.D
 Acq: 3 Aug 2018 15:29

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.1	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

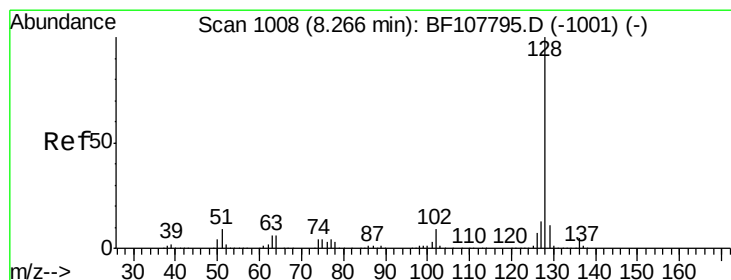
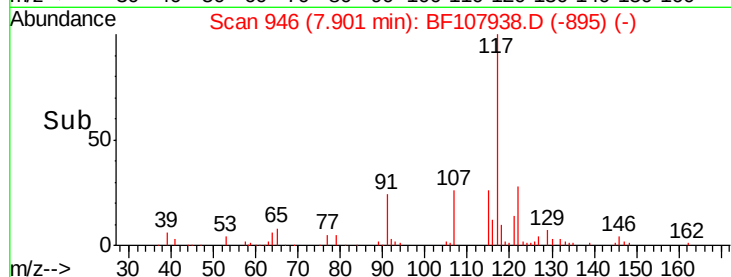
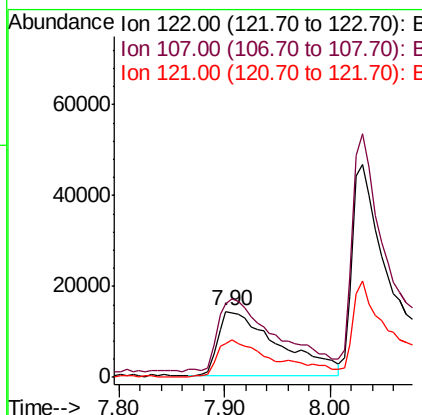
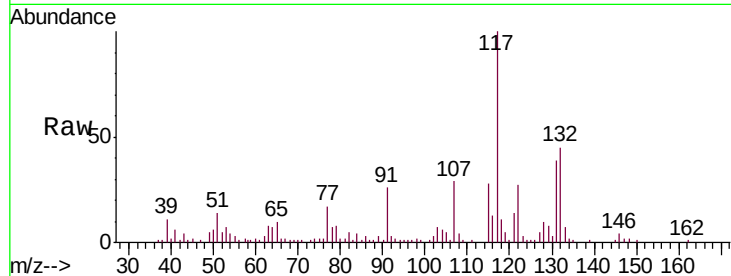




#27
2,4-Dimethylphenol
Concen: 8.635 ng
RT: 7.90 min Scan# 946
Delta R.T. 0.00 min
Lab File: BF107938.D
Acq: 3 Aug 2018 15:29

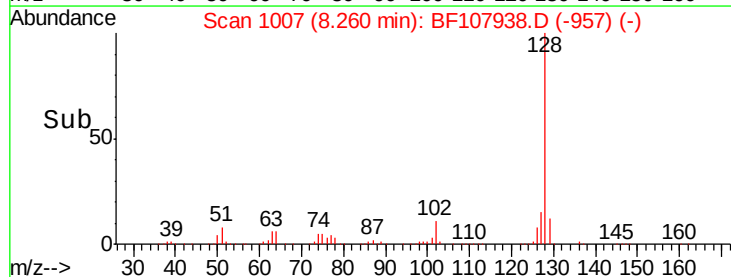
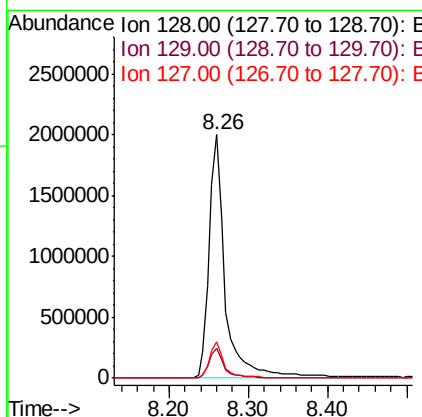
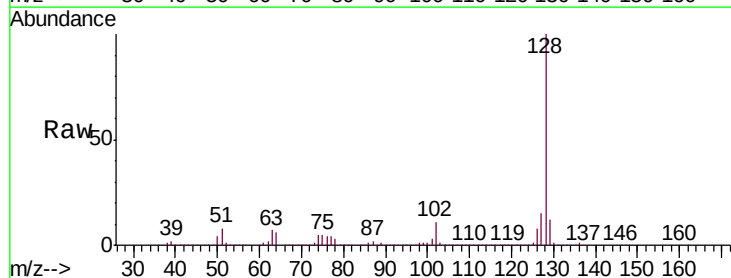
Instrument :
BNA_F
ClientSampleId :
DUP-073118

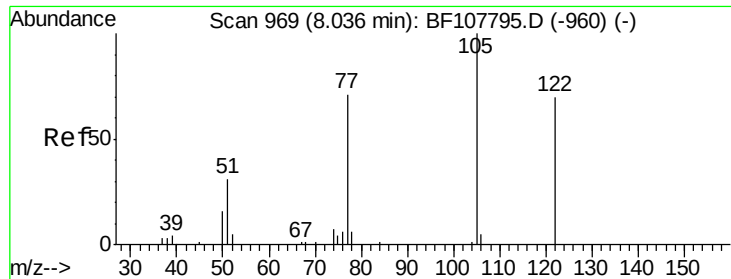
Tgt Ion:122 Resp: 56578
Ion Ratio Lower Upper
122 100
107 110.8 91.2 136.8
121 51.6 47.2 70.8



#31
Naphthalene
Concen: 113.855 ng
RT: 8.26 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF107938.D
Acq: 3 Aug 2018 15:29

Tgt Ion:128 Resp: 2835361
Ion Ratio Lower Upper
128 100
129 12.2 8.8 13.2
127 14.7 10.9 16.3





#32

Benzoic acid

Concen: 30.223 ng

RT: 8.03 min Scan# 968

Delta R.T. -0.01 min

Lab File: BF107938.D

Acq: 3 Aug 2018 15:29

Instrument :

BNA_F

ClientSampleId :

DUP-073118

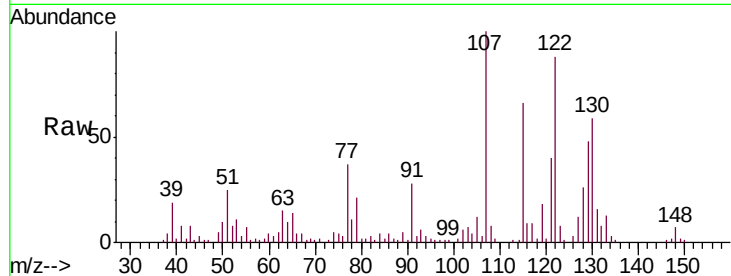
Tgt Ion:122 Resp: 131439

Ion Ratio Lower Upper

122 100

105 13.9 101.1 141.1#

77 42.6 70.7 110.7#

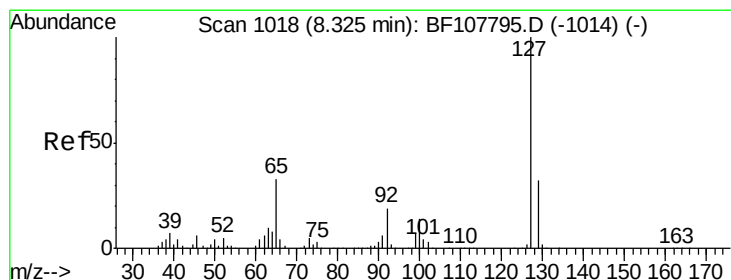
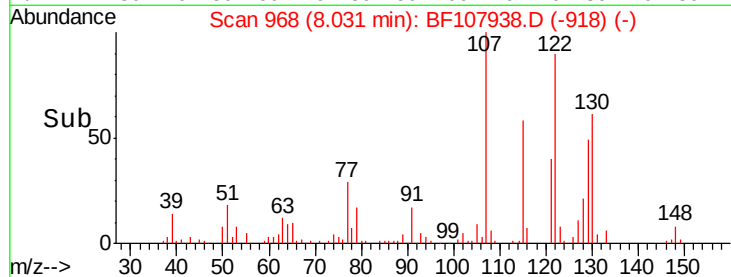
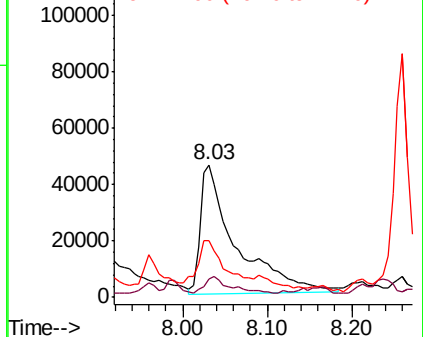


Abundance

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: 36.909 ng

RT: 8.26 min Scan# 1007

Delta R.T. -0.06 min

Lab File: BF107938.D

Acq: 3 Aug 2018 15:29

Tgt Ion:127 Resp: 392610

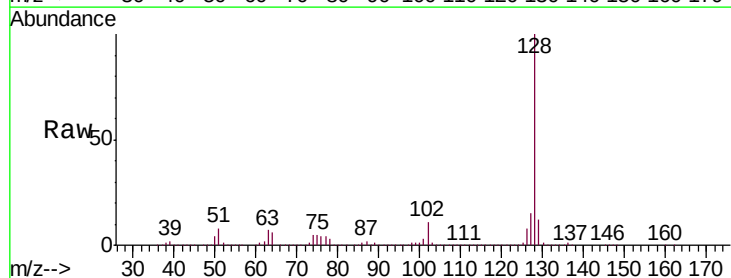
Ion Ratio Lower Upper

127 100

129 83.1 25.9 38.9#

65 0.0 25.0 37.4#

92 0.2 15.2 22.8#



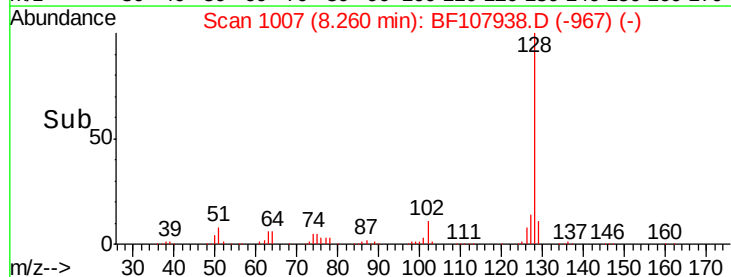
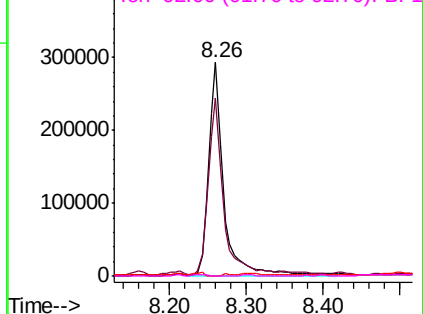
Abundance

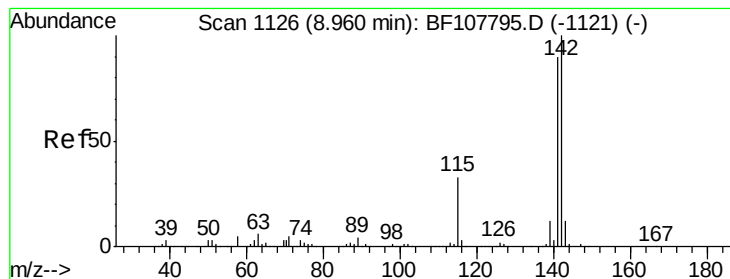
Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

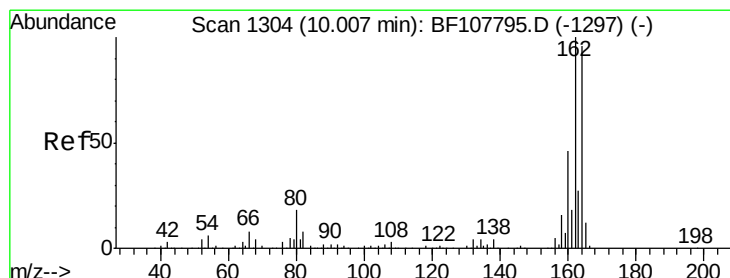
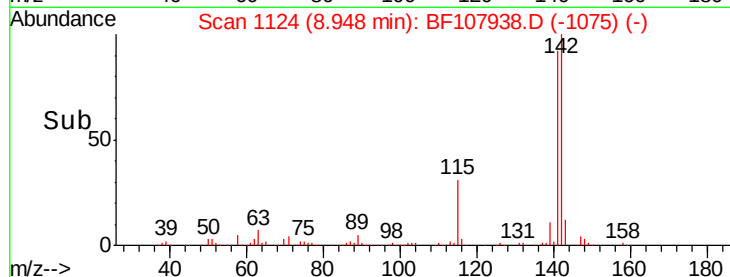
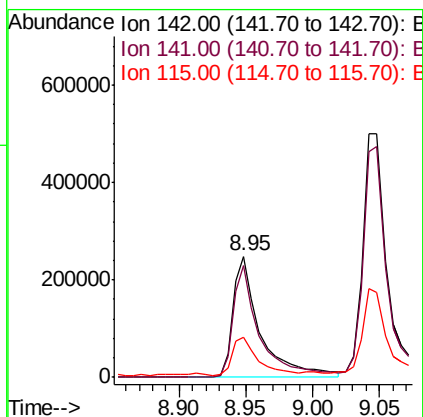
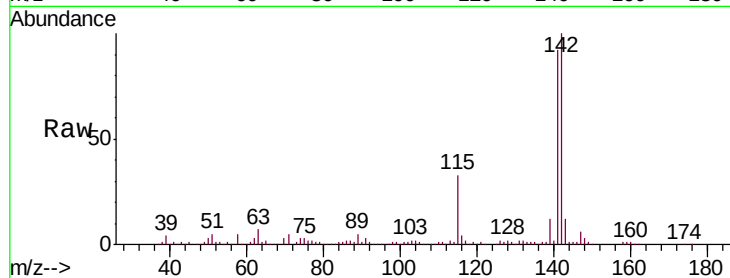




#37
 2-Methylnaphthalene
 Concen: 22.551 ng
 RT: 8.95 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: BF107938.D
 Acq: 3 Aug 2018 15:29

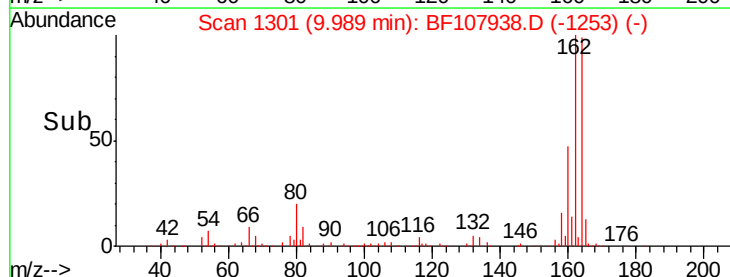
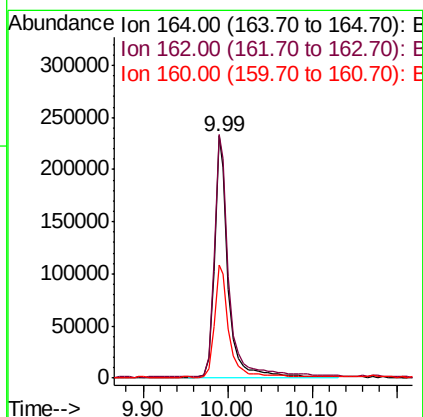
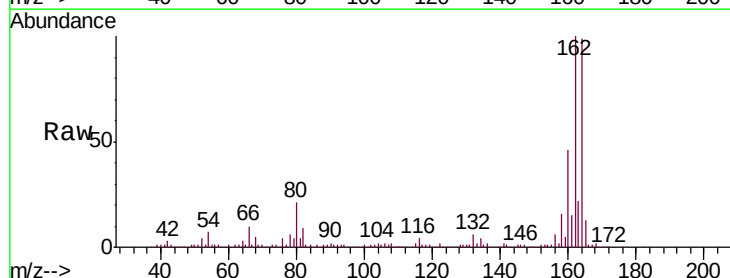
Instrument :
 BNA_F
 ClientSampleId :
 DUP-073118

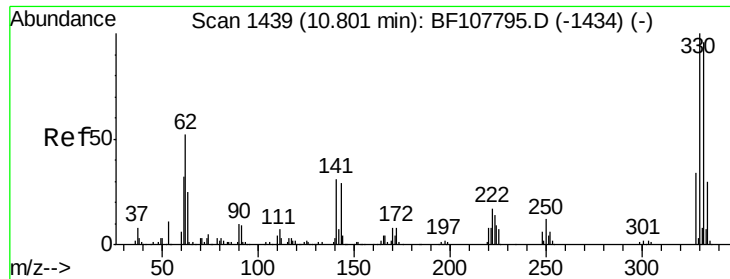
Tgt Ion:	142	Resp:	352766
Ion	Ratio	Lower	Upper
142	100		
141	92.1	70.8	106.2
115	33.2	26.1	39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107938.D
 Acq: 3 Aug 2018 15:29

Tgt Ion:	164	Resp:	273779
Ion	Ratio	Lower	Upper
164	100		
162	100.7	86.1	129.1
160	46.8	38.3	57.5

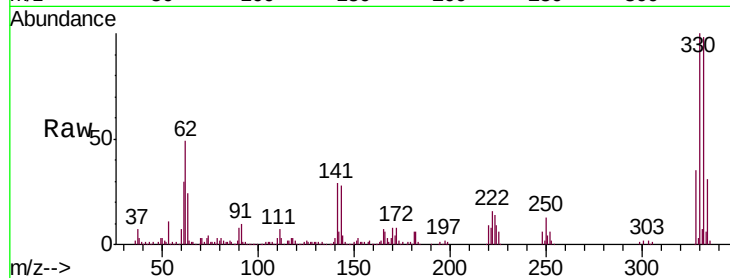




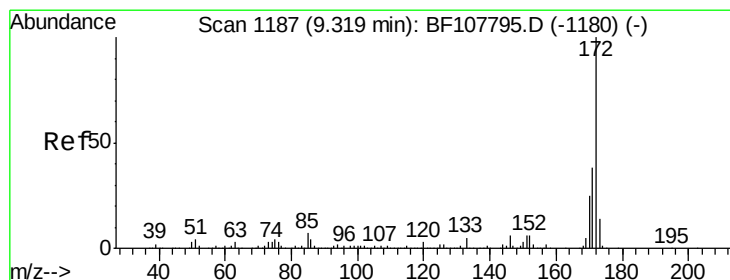
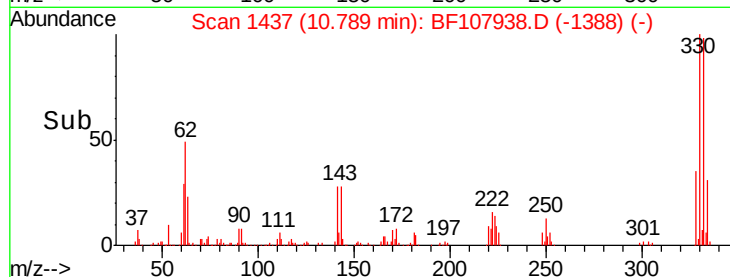
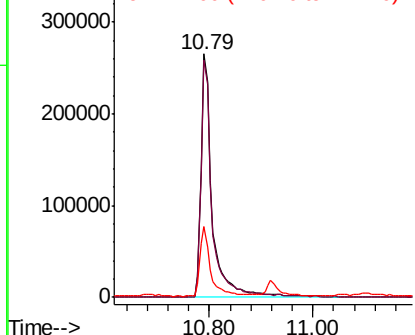
#41
 2,4,6-Tribromophenol
 Concen: 107.639 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107938.D
 Acq: 3 Aug 2018 15:29

Instrument :
 BNA_F
 ClientSampleId :
 DUP-073118

Tgt Ion:330 Resp: 400430
 Ion Ratio Lower Upper
 330 100
 332 94.2 77.0 115.6
 141 27.7 29.9 44.9#

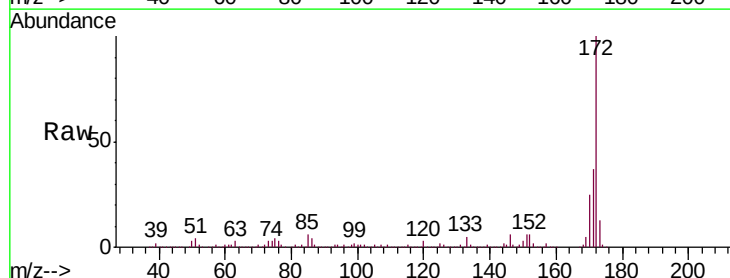


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

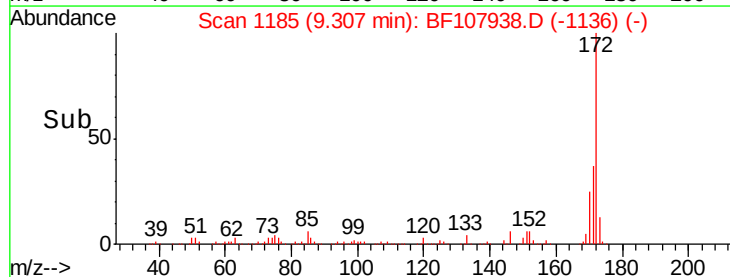
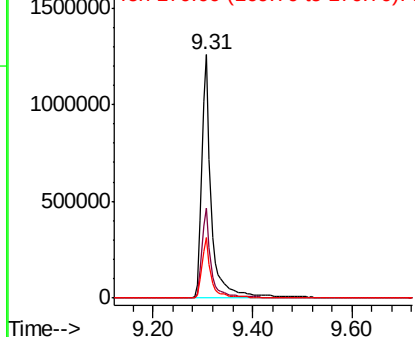


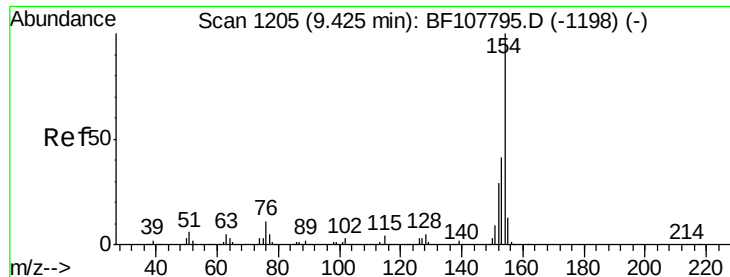
#44
 2-Fluorobiphenyl
 Concen: 86.123 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF107938.D
 Acq: 3 Aug 2018 15:29

Tgt Ion:172 Resp: 1692066
 Ion Ratio Lower Upper
 172 100
 171 37.1 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

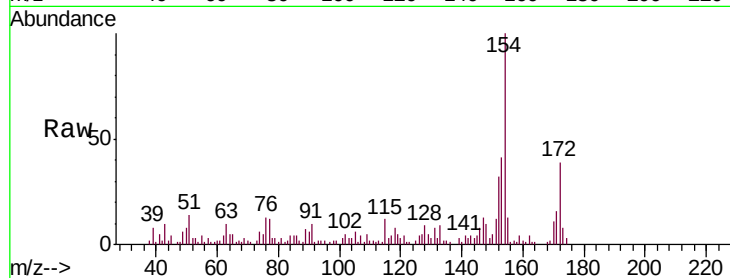




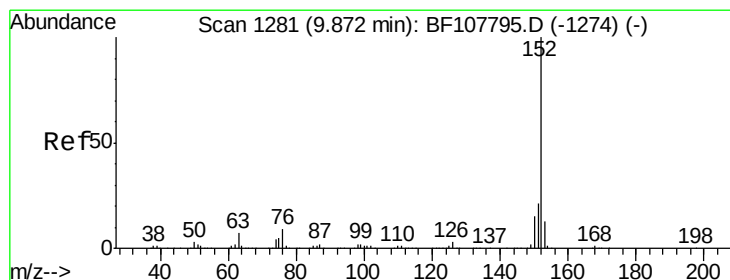
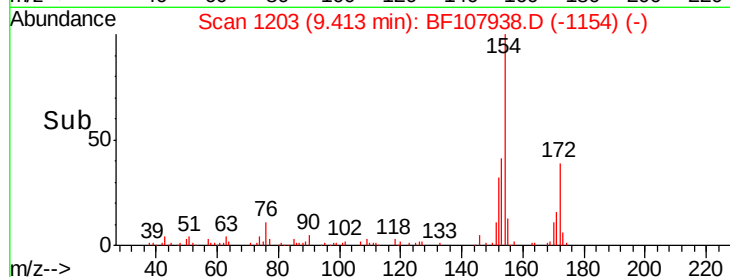
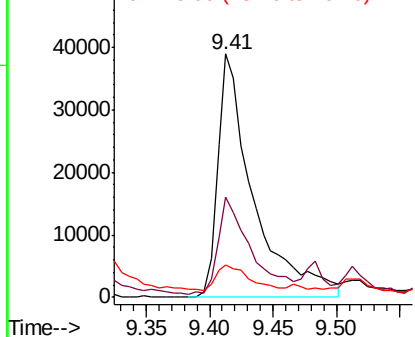
#45
1,1'-Biphenyl
Concen: 3.069 ng
RT: 9.41 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF107938.D
Acq: 3 Aug 2018 15:29

Instrument :
BNA_F
ClientSampleId :
DUP-073118

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.3	61.3
76	13.2	0.0	34.0

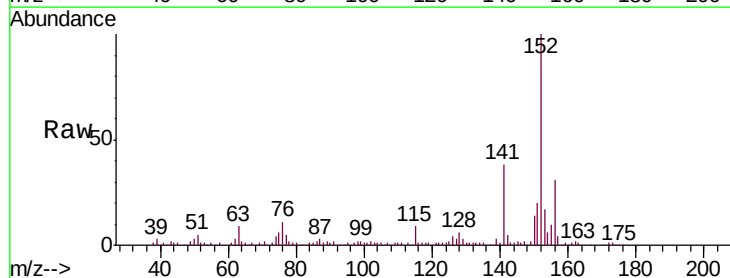


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

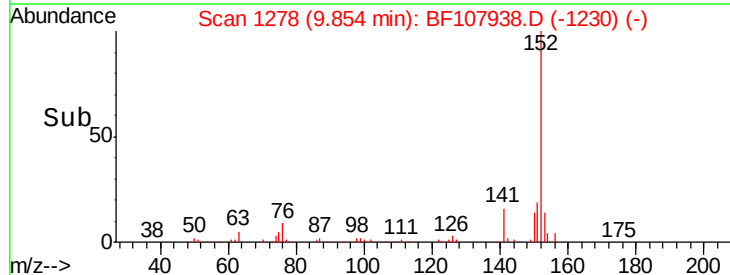
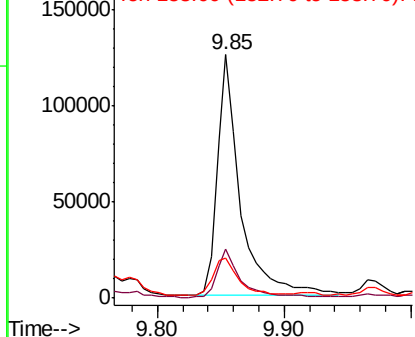


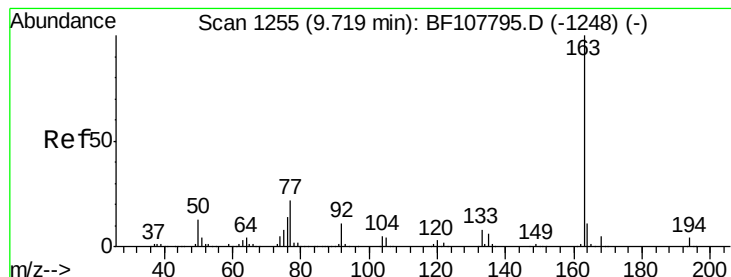
#48
Acenaphthylene
Concen: 5.537 ng
RT: 9.85 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF107938.D
Acq: 3 Aug 2018 15:29

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.3	24.5
153	16.5	10.7	16.1#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 3.919 ng

RT: 9.70 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF107938.D

Acq: 3 Aug 2018 15:29

Instrument :

BNA_F

ClientSampleId :

DUP-073118

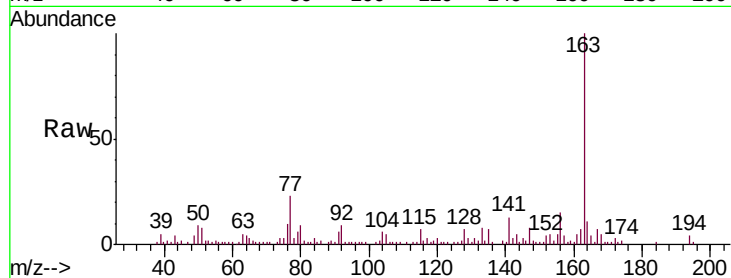
Tgt Ion:163 Resp: 80586

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

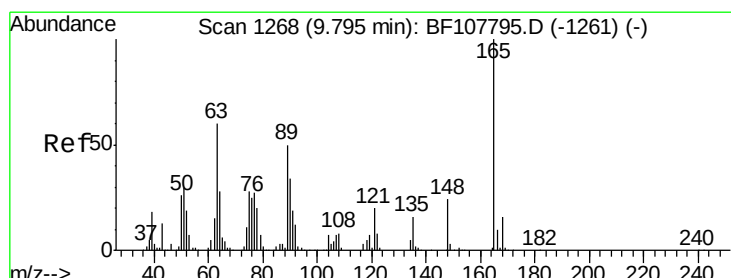
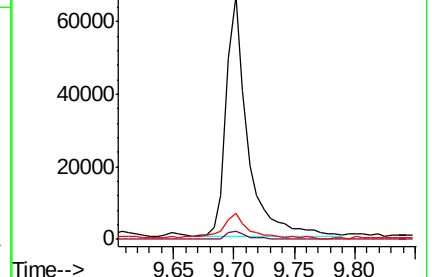
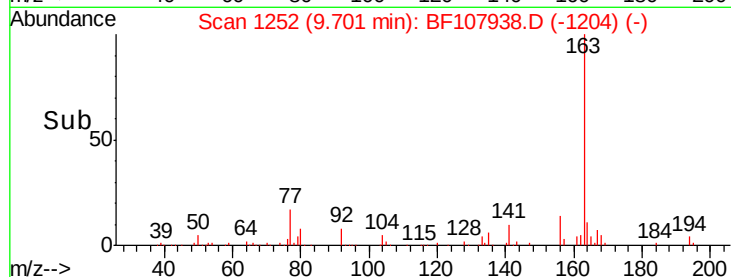
164 10.6 8.2 12.2



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: 2.290 ng

RT: 9.68 min Scan# 1249

Delta R.T. -0.11 min

Lab File: BF107938.D

Acq: 3 Aug 2018 15:29

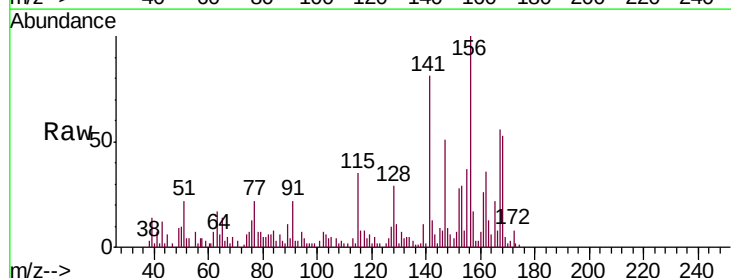
Tgt Ion:165 Resp: 10233

Ion Ratio Lower Upper

165 100

63 77.6 44.7 67.1#

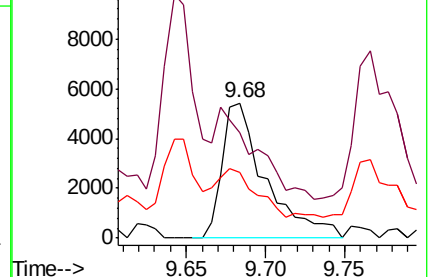
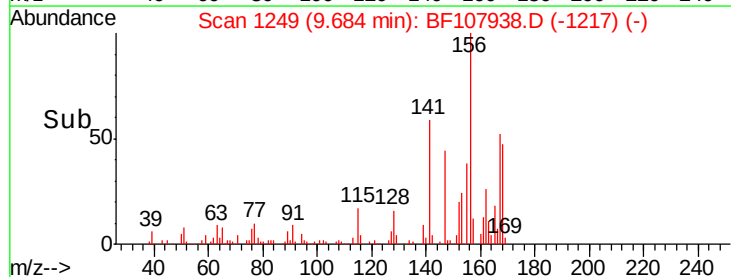
89 48.5 44.0 66.0

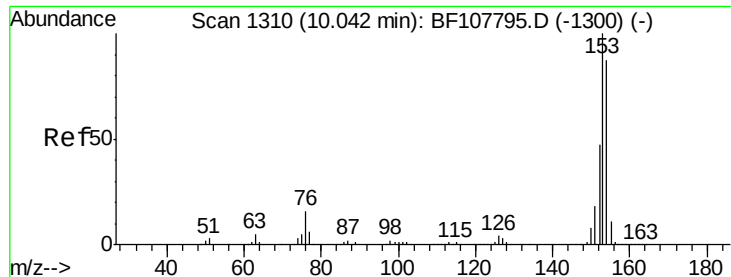


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 36.379 ng

RT: 10.02 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BF107938.D

Acq: 3 Aug 2018 15:29

Instrument :

BNA_F

ClientSampleId :

DUP-073118

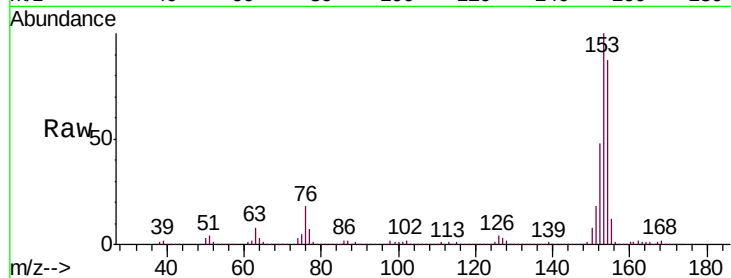
Tgt Ion:154 Resp: 615546

Ion Ratio Lower Upper

154 100

153 115.2 91.2 136.8

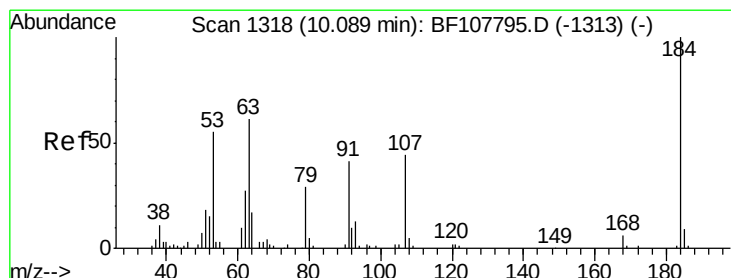
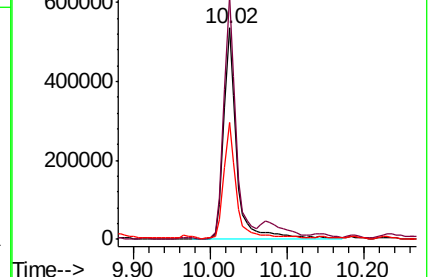
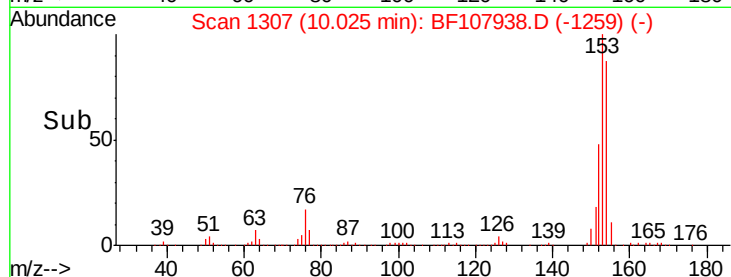
152 55.2 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 8.743 ng

RT: 10.14 min Scan# 1326

Delta R.T. 0.05 min

Lab File: BF107938.D

Acq: 3 Aug 2018 15:29

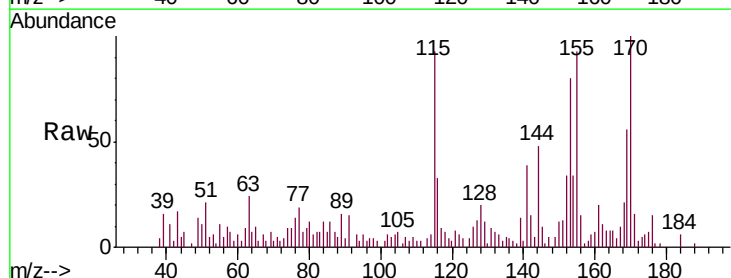
Tgt Ion:184 Resp: 796

Ion Ratio Lower Upper

184 100

63 413.7 54.2 81.2#

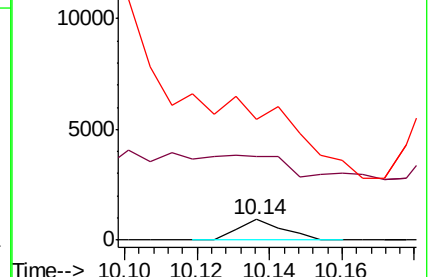
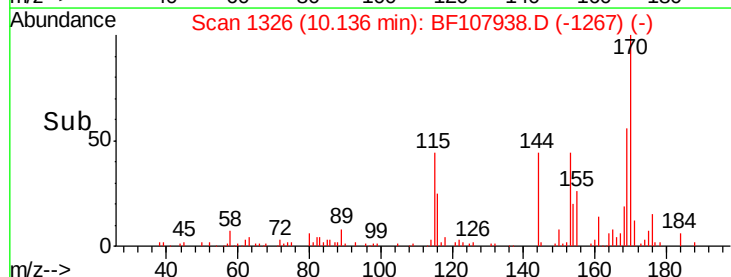
154 593.7 184.0 276.0#

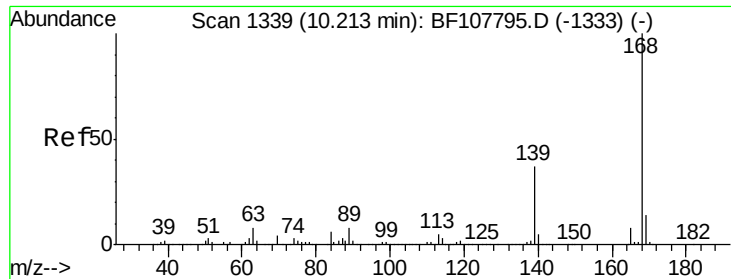


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 15.692 ng

RT: 10.20 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF107938.D

Acq: 3 Aug 2018 15:29

Instrument :

BNA_F

ClientSampleId :

DUP-073118

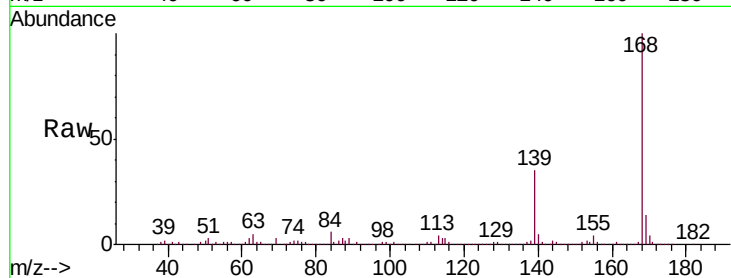
Tgt Ion:168 Resp: 410396

Ion Ratio Lower Upper

168 100

139 35.3 30.1 45.1

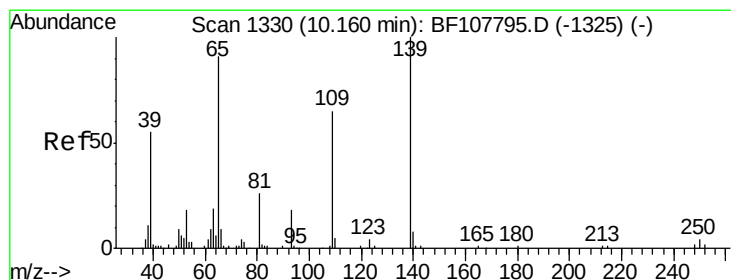
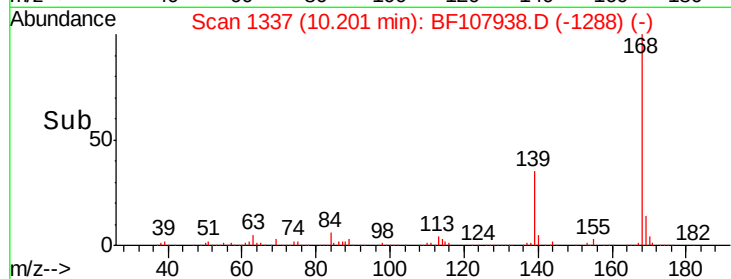
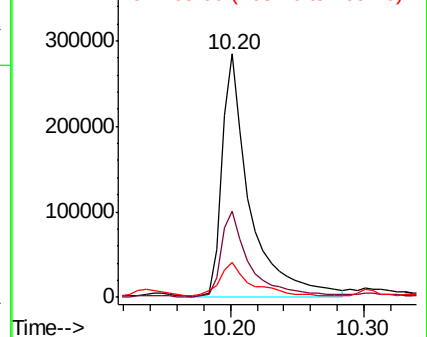
169 14.3 10.9 16.3



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: 58.658 ng

RT: 10.20 min Scan# 1337

Delta R.T. 0.04 min

Lab File: BF107938.D

Acq: 3 Aug 2018 15:29

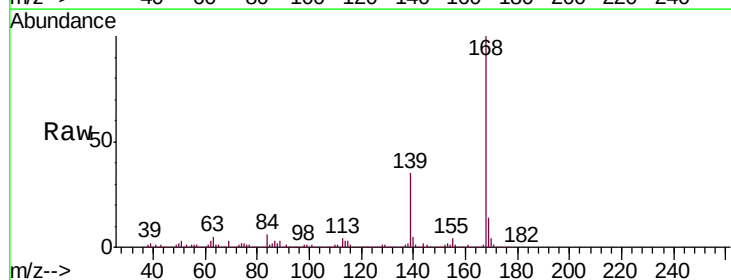
Tgt Ion:139 Resp: 147990

Ion Ratio Lower Upper

139 100

109 1.1 48.4 88.4#

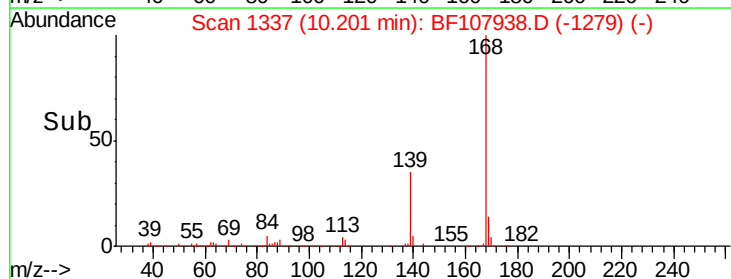
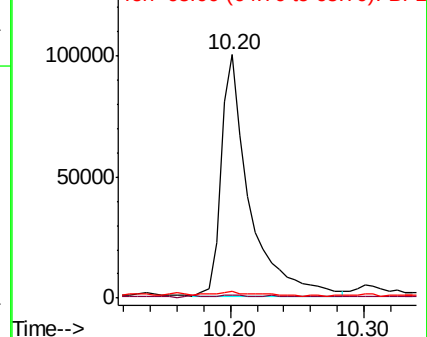
65 2.7 72.6 112.6#

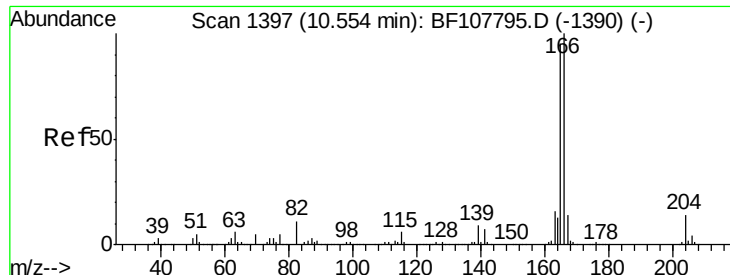


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

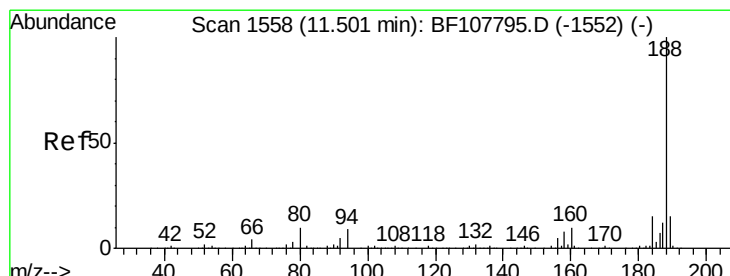
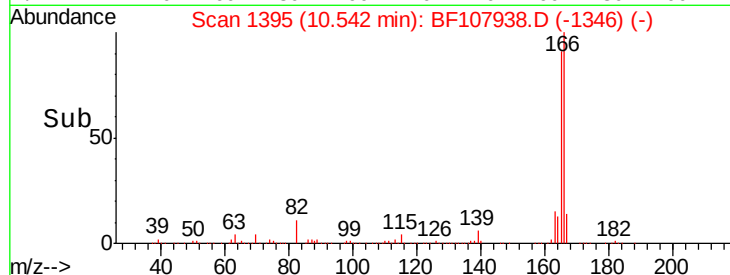
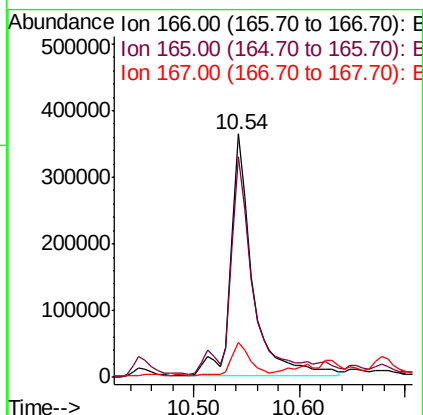
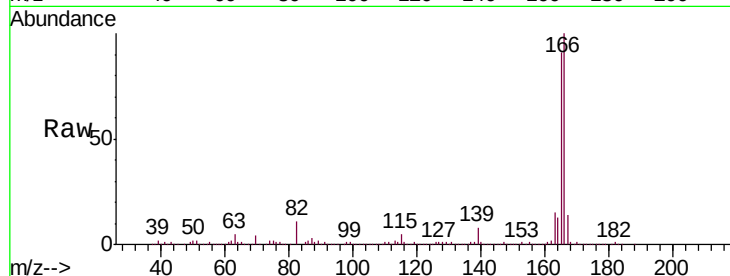




#57
 Fluorene
 Concen: 25.427 ng
 RT: 10.54 min Scan# 1395
 Delta R.T. -0.01 min
 Lab File: BF107938.D
 Acq: 3 Aug 2018 15:29

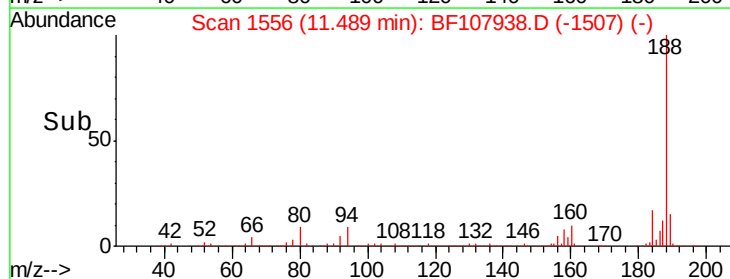
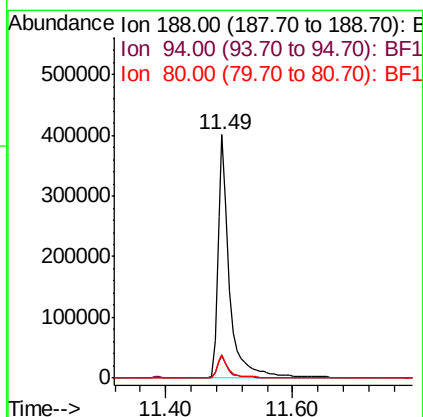
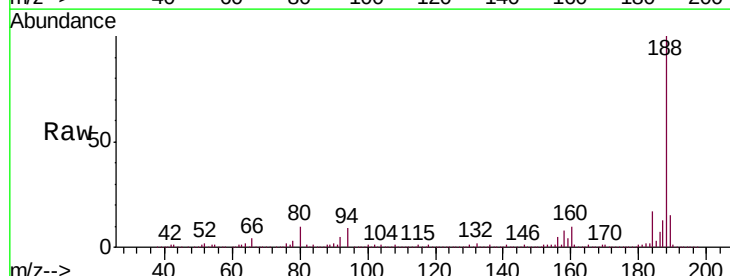
Instrument :
 BNA_F
 ClientSampleId :
 DUP-073118

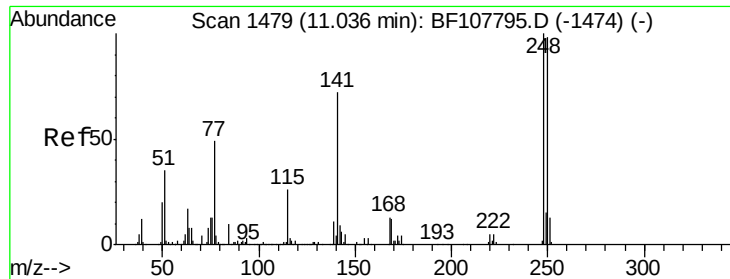
Tgt Ion:166 Resp: 516803
 Ion Ratio Lower Upper
 166 100
 165 90.9 79.8 119.8
 167 14.2 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF107938.D
 Acq: 3 Aug 2018 15:29

Tgt Ion:188 Resp: 522701
 Ion Ratio Lower Upper
 188 100
 94 9.1 8.5 12.7
 80 9.5 9.2 13.8

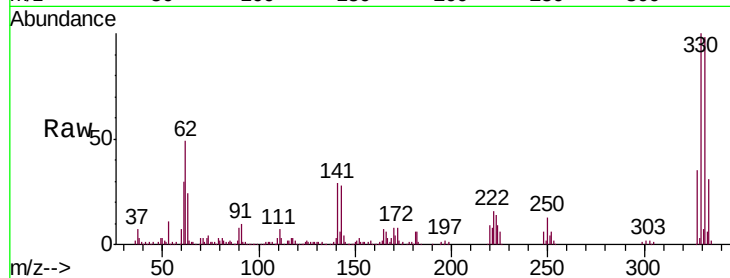




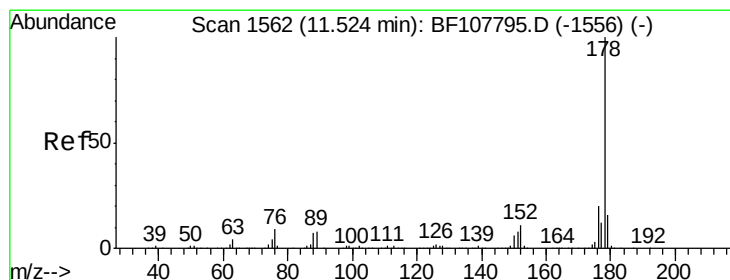
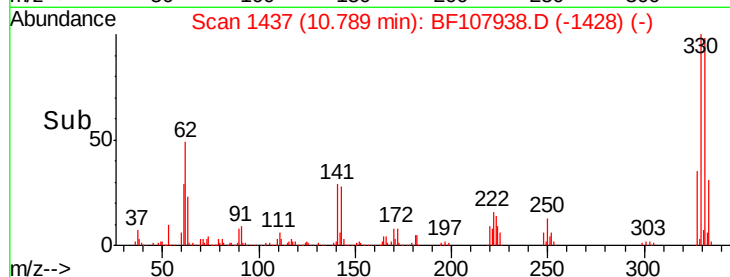
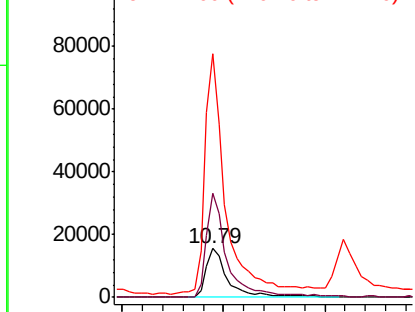
#66
4-Bromophenyl-phenylether
Concen: 3.850 ng
RT: 10.79 min Scan# 1437
Delta R.T. -0.25 min
Lab File: BF107938.D
Acq: 3 Aug 2018 15:29

Instrument :
BNA_F
ClientSampleId :
DUP-073118

Tgt Ion:248 Resp: 23455
Ion Ratio Lower Upper
248 100
250 213.8 76.9 115.3#
141 498.0 74.4 111.6#

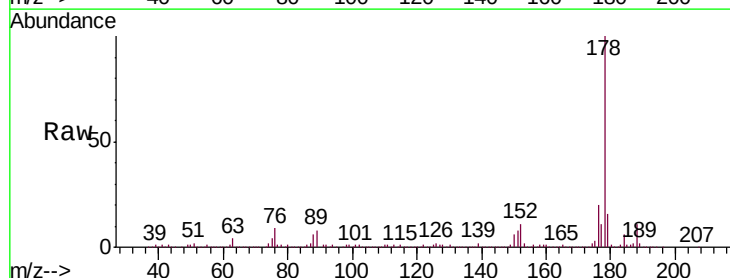


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

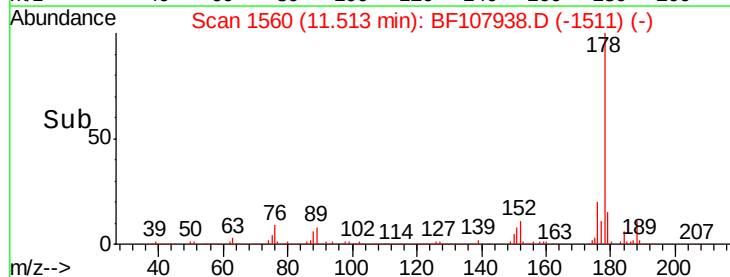
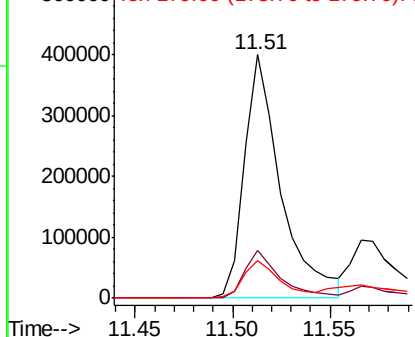


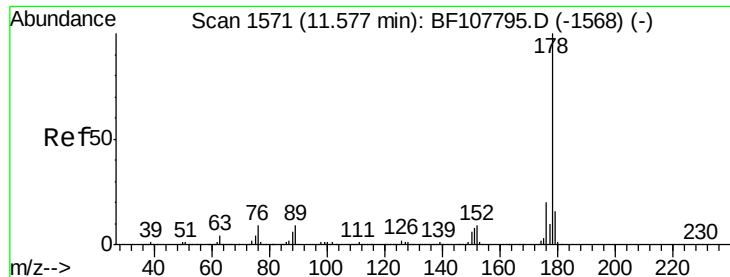
#70
Phenanthrene
Concen: 20.814 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107938.D
Acq: 3 Aug 2018 15:29

Tgt Ion:178 Resp: 516591
Ion Ratio Lower Upper
178 100
176 19.6 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

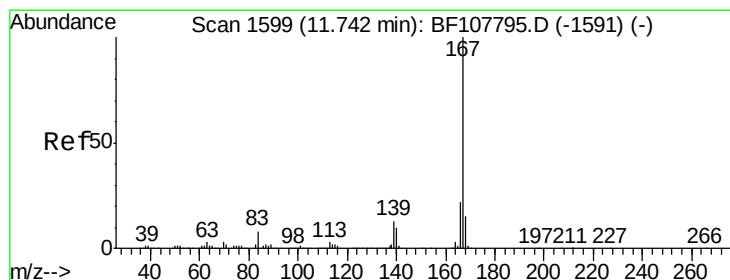
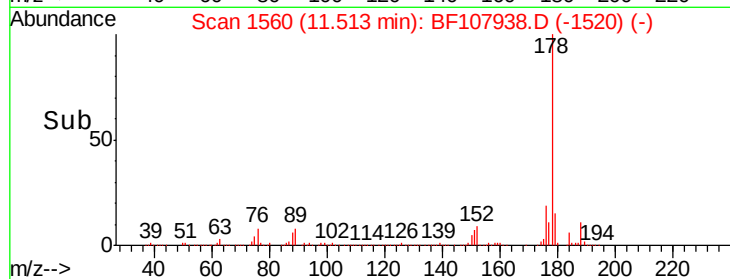
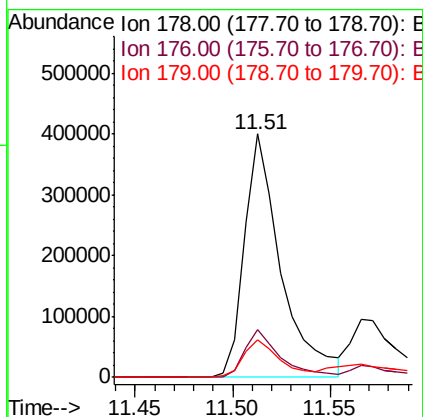
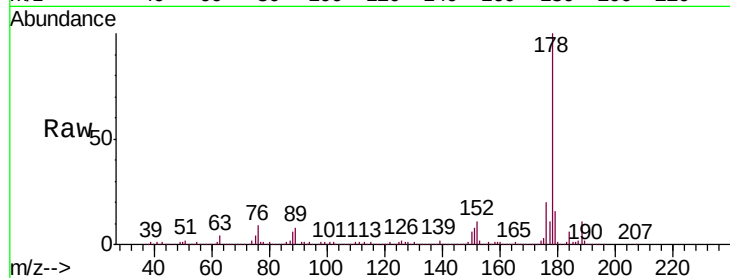




#71
 Anthracene
 Concen: 18.045 ng
 RT: 11.51 min Scan# 1560
 Delta R.T. -0.06 min
 Lab File: BF107938.D
 Acq: 3 Aug 2018 15:29

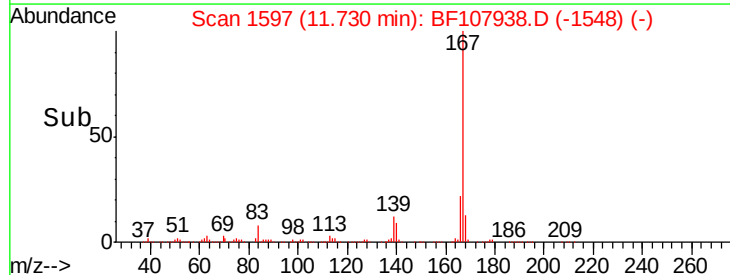
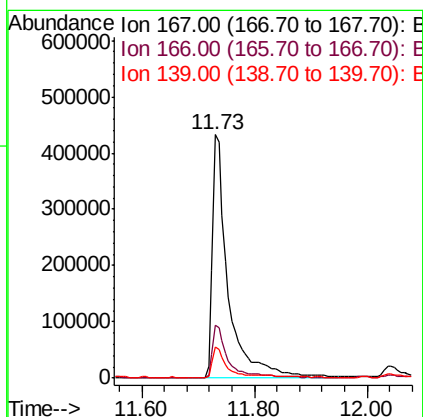
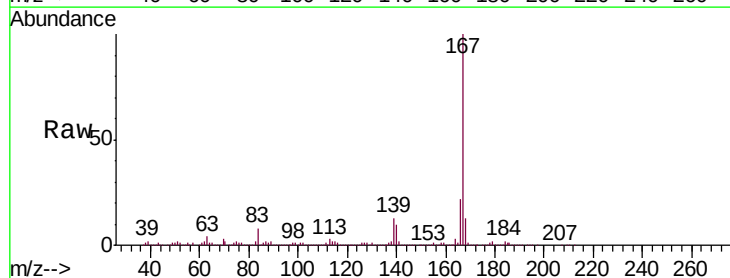
Instrument :
 BNA_F
 ClientSampleId :
 DUP-073118

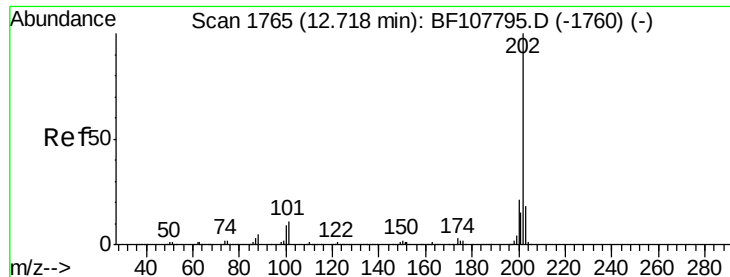
Tgt Ion:178 Resp: 516591
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.4 23.2
 179 15.6 12.6 19.0



#72
 Carbazole
 Concen: 29.604 ng
 RT: 11.73 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF107938.D
 Acq: 3 Aug 2018 15:29

Tgt Ion:167 Resp: 837519
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.6 26.4
 139 12.6 10.9 16.3





#74

Fluoranthene

Concen: 3.773 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF107938.D

Acq: 3 Aug 2018 15:29

Instrument :

BNA_F

ClientSampleId :

DUP-073118

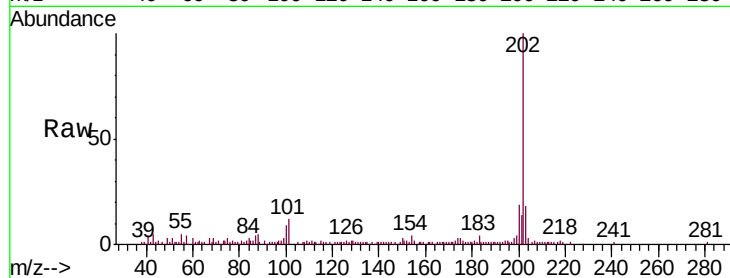
Tgt Ion:202 Resp: 110013

Ion Ratio Lower Upper

202 100

101 11.5 0.0 34.1

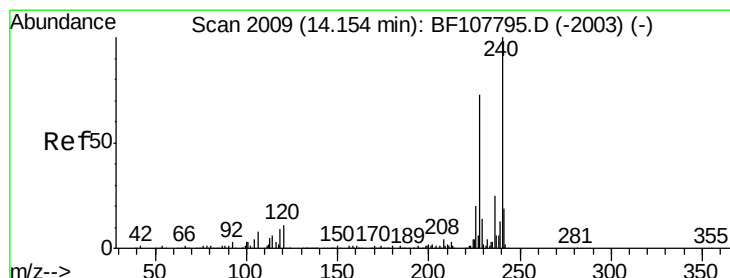
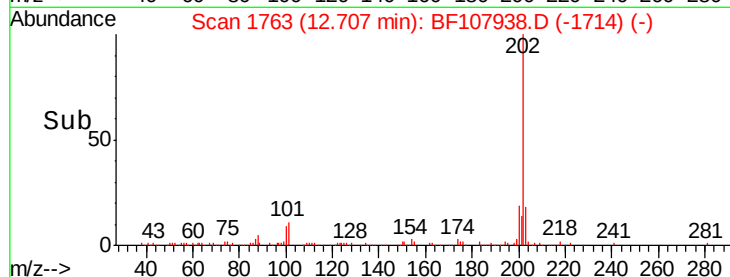
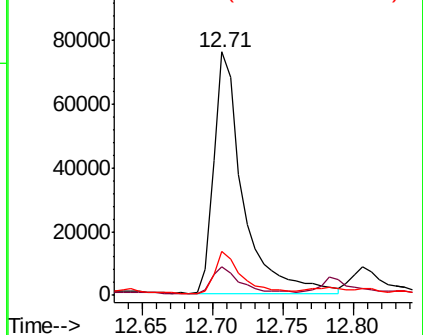
203 18.2 0.0 38.1



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: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF107938.D

Acq: 3 Aug 2018 15:29

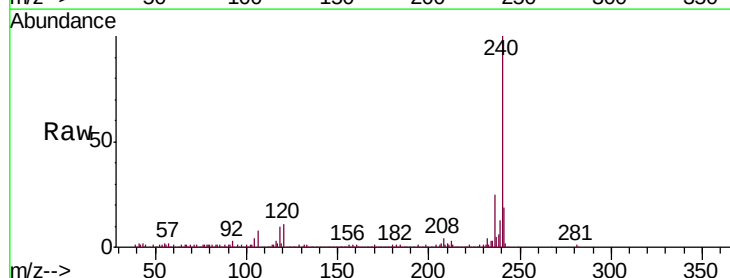
Tgt Ion:240 Resp: 342861

Ion Ratio Lower Upper

240 100

120 11.4 9.5 14.3

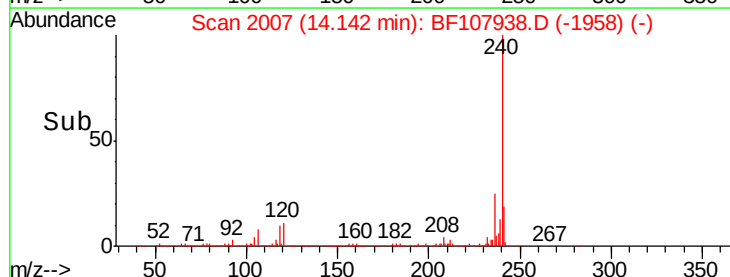
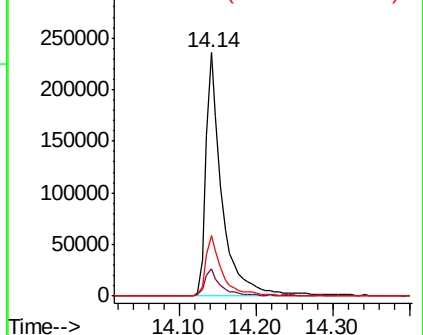
236 25.1 20.7 31.1

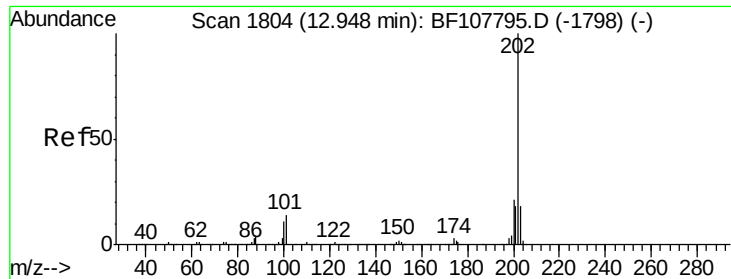


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

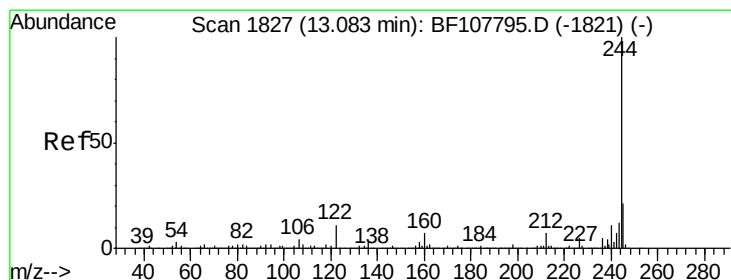
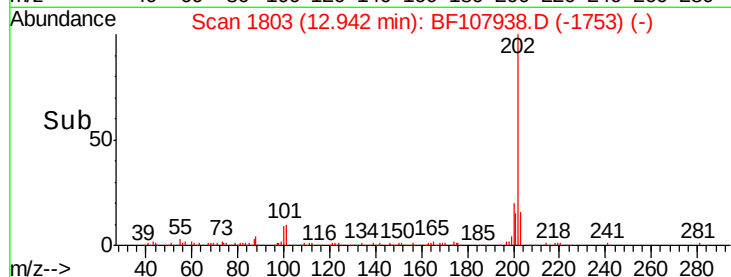
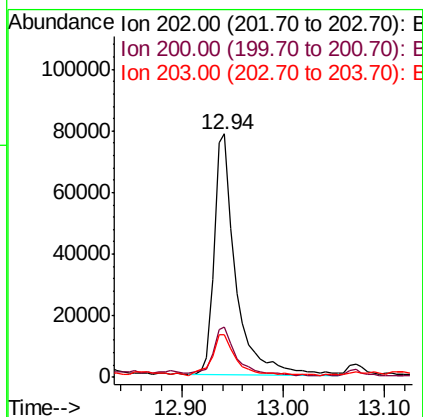
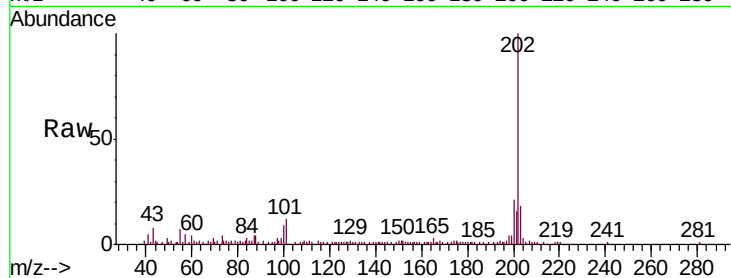




#77
 Pyrene
 Concen: 4.669 ng
 RT: 12.94 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: BF107938.D
 Acq: 3 Aug 2018 15:29

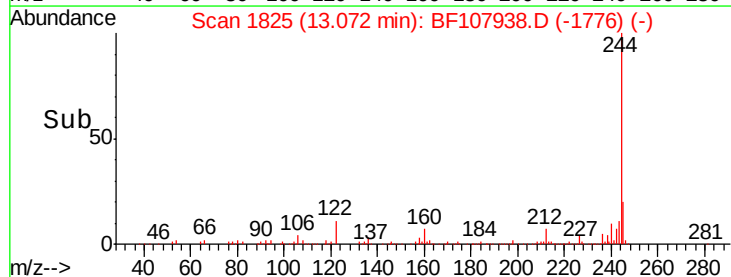
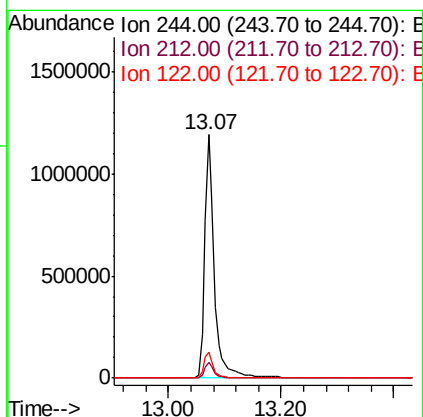
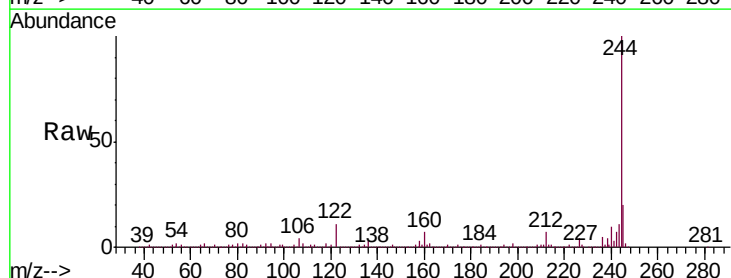
Instrument :
 BNA_F
 ClientSampled :
 DUP-073118

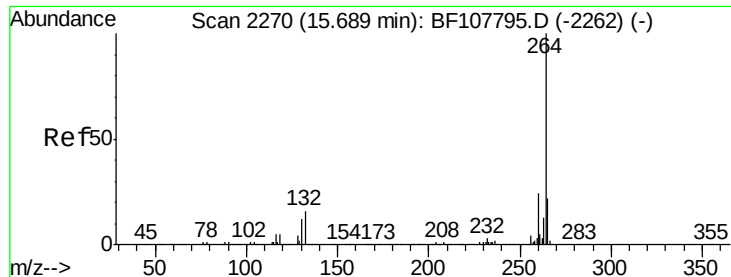
Tgt Ion: 202 Resp: 115283
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.4 26.2
 203 17.7 14.3 21.5



#78
 Terphenyl-d14
 Concen: 91.030 ng
 RT: 13.07 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF107938.D
 Acq: 3 Aug 2018 15:29

Tgt Ion: 244 Resp: 1439312
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 10.8 11.0 16.4#

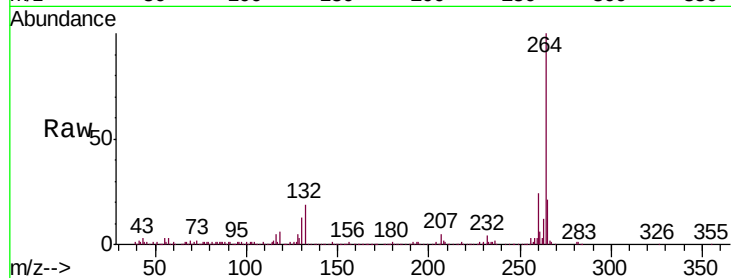




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF107938.D
Acq: 3 Aug 2018 15:29

Instrument :
BNA_F
ClientSampleId :
DUP-073118

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.4	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

