

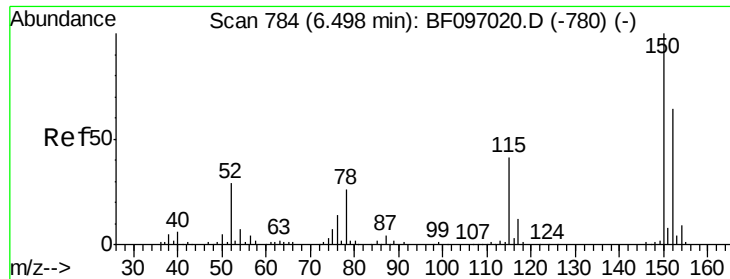
Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\
 Data File : BF097210.D
 Acq On : 31 Jul 2017 16:19
 Operator : SJ/JU
 Sample : I4495-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WW-1-2-3-COMP

Quant Time: Aug 01 00:55:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	91182	20.00	ng	-0.01
21) Naphthalene-d8	7.80	136	439424	20.00	ng	0.02
38) Acenaphthene-d10	9.51	164	174721	20.00	ng	-0.02
63) Phenanthrene-d10	10.98	188	222268	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	206092	20.00	ng	-0.02
86) Perylene-d12	14.96	264	211644	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	65243	10.79	ng	0.04
7) Phenol-d6	6.27	99	18646	2.70	ng	0.10
23) Nitrobenzene-d5	7.06	82	575564	76.84	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	90465	65.53	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	936268	90.94	ng	-0.02
78) Terphenyl-d14	12.57	244	529783	52.41	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	2.00	88	38116	15.10	ng	# 34
19) n-Nitroso-di-n-propylamine	6.90	70	112842	24.83	ng	# 25
20) 3+4-Methylphenols	6.87	107	28205	4.33	ng	# 44
27) 2,4-Dimethylphenol	7.66	122	27019	3.88	ng	# 6
32) Benzoic acid	7.66	122	27019	5.20	ng	# 70
47) 2-Nitroaniline	9.14	65	9679	2.43	ng	# 1
48) Acenaphthylene	9.26	152	79696	4.73	ng	# 78
50) 2,6-Dinitrotoluene	9.29	165	8279	2.94	ng	# 52
55) 4-Nitrophenol	9.65	139	4368	2.10	ng	# 58
56) 2,4-Dinitrotoluene	9.51	165	21920	6.78	ng	# 37
58) 2,3,4,6-Tetrachlorophenol	9.60	232	49780	21.32	ng	# 33
66) 4-Bromophenyl-phenylether	10.29	248	5885	2.65	ng	# 1
69) Pentachlorophenol	10.54	266	23602	22.93	ng	# 66

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

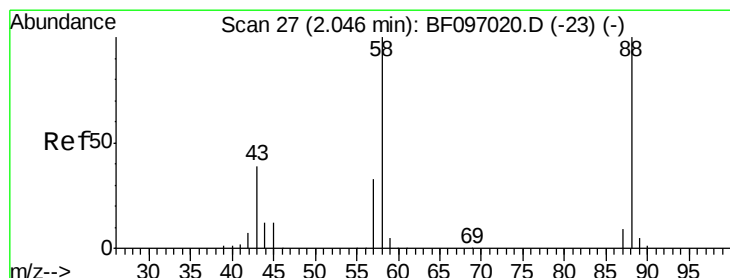
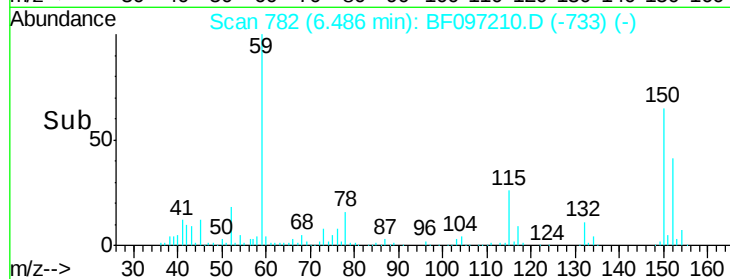
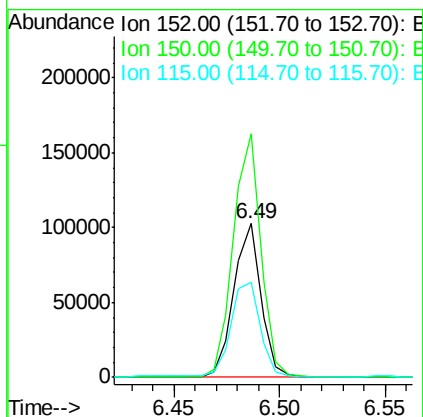
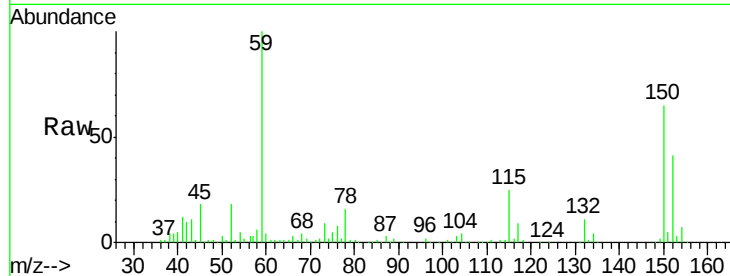


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF097210.D
Acq: 31 Jul 2017 16:19

Instrument :
BNA_F
ClientSampleId :
WW-1-2-3-COMP

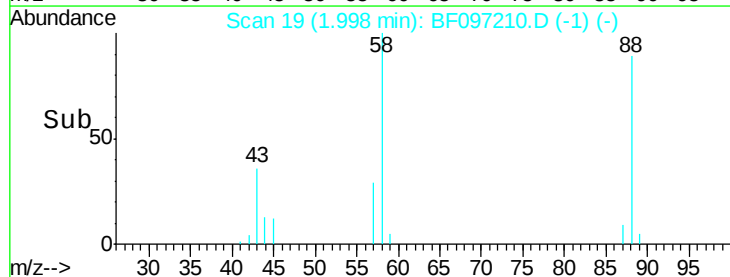
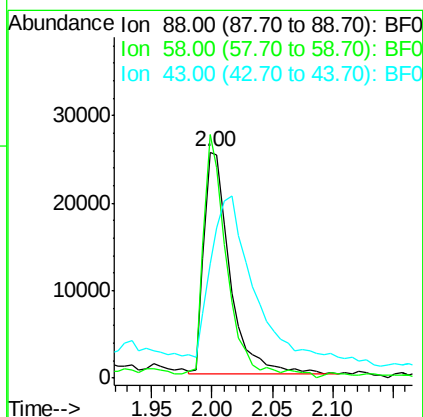
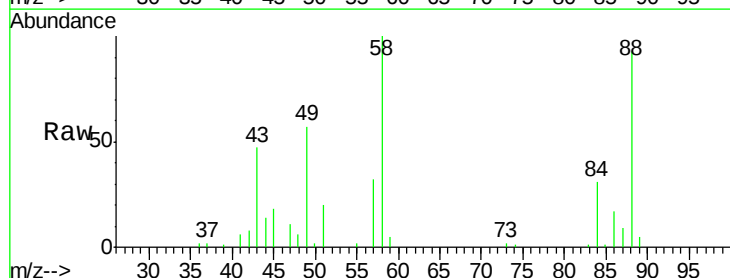
Tot Ion:152 Resp: 91182
Ion Ratio Lower Upper
152 100
150 158.2 126.2 189.2
115 62.1 52.2 78.2

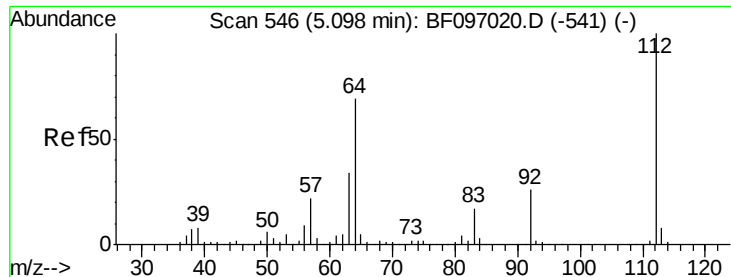


#2

1,4-Dioxane
Concen: 15.10 ng
RT: 2.00 min Scan# 19
Delta R.T. -0.05 min
Lab File: BF097210.D
Acq: 31 Jul 2017 16:19

Tgt Ion: 88 Resp: 38116
Ion Ratio Lower Upper
88 100
58 90.9 61.4 92.0
43 134.7 23.4 35.0#





#5

2-Fluorophenol

Concen: 10.79 ng

RT: 5.13 min Scan# 552

Delta R.T. 0.04 min

Lab File: BF097210.D

Acq: 31 Jul 2017 16:19

Instrument :

BNA_F

ClientSampleId :

WW-1-2-3-COMP

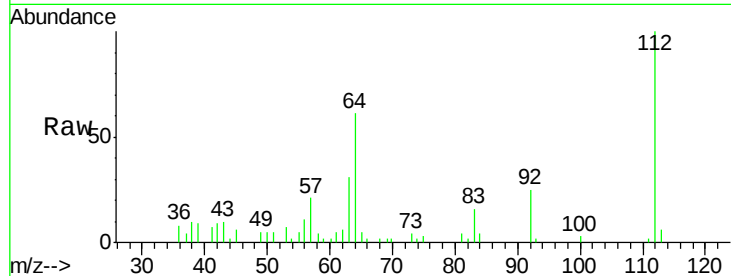
Tot Ion:112 Resp: 65243

Ion Ratio Lower Upper

112 100

64 60.6 46.0 69.0

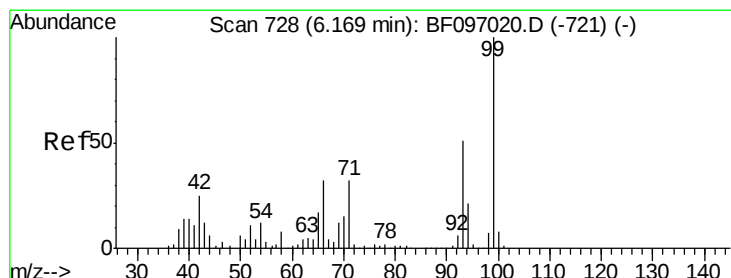
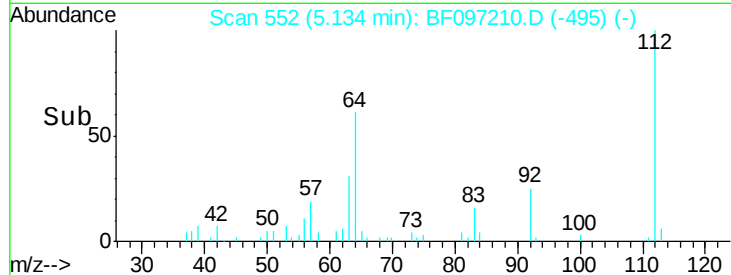
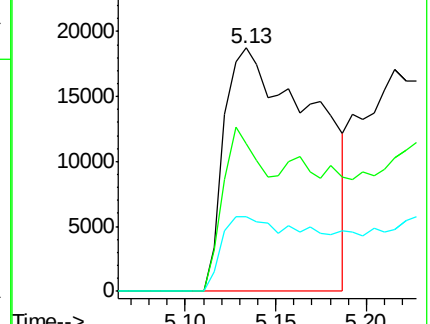
63 30.5 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 2.70 ng

RT: 6.27 min Scan# 745

Delta R.T. 0.10 min

Lab File: BF097210.D

Acq: 31 Jul 2017 16:19

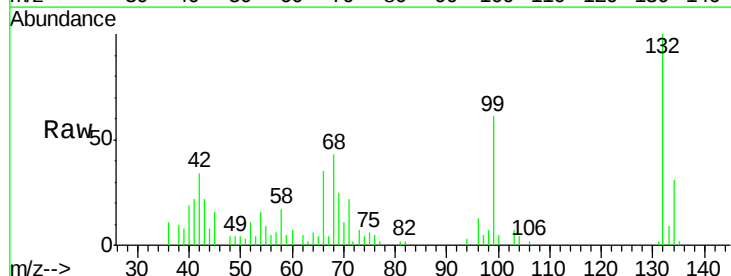
Tgt Ion: 99 Resp: 18646

Ion Ratio Lower Upper

99 100

42 55.8 13.5 20.3#

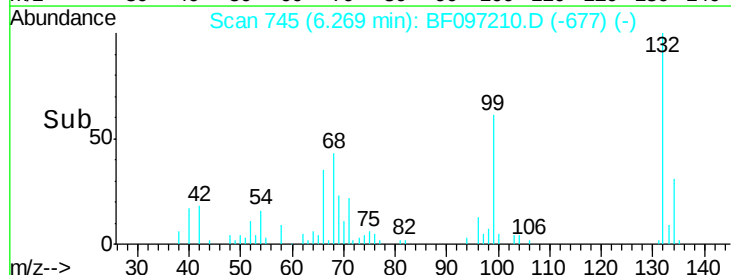
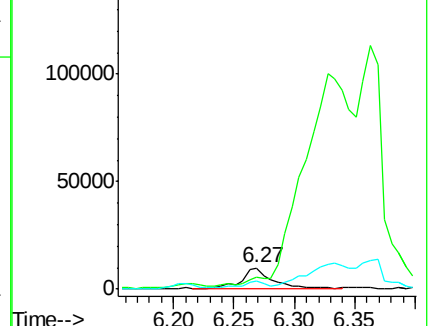
71 35.7 24.5 36.7

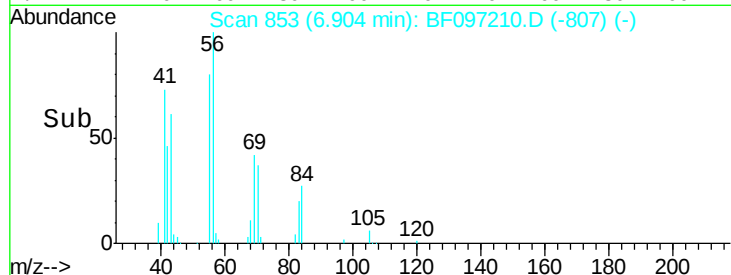
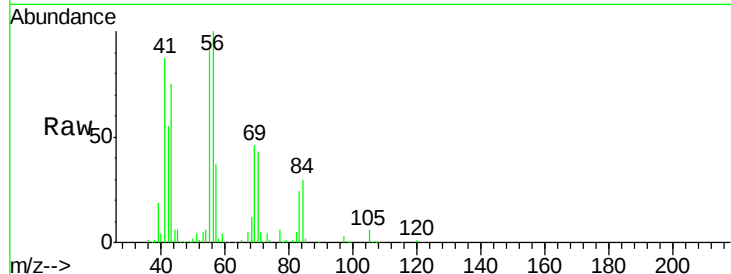
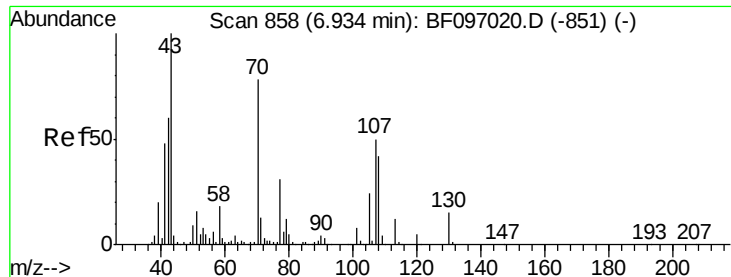


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

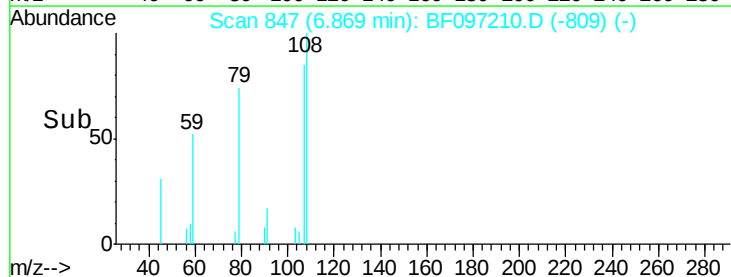
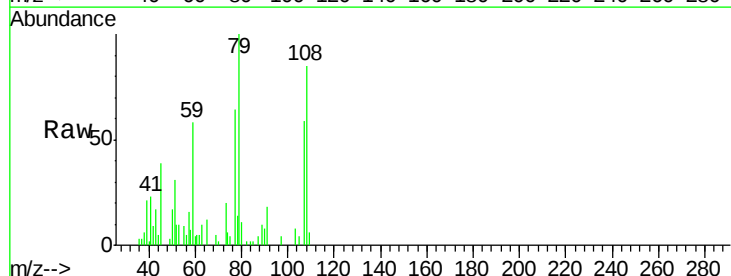
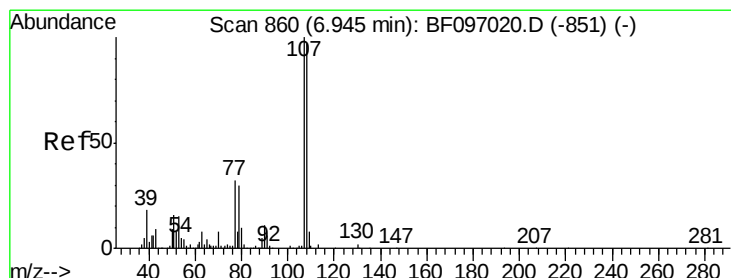
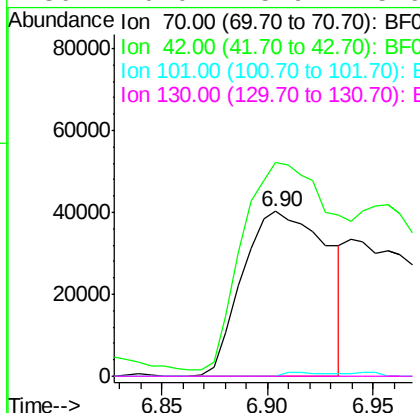




#19
n-Nitroso-di-n-propylamine
Concen: 24.83 ng
RT: 6.90 min Scan# 853
Delta R.T. -0.03 min
Lab File: BF097210.D
Acq: 31 Jul 2017 16:19

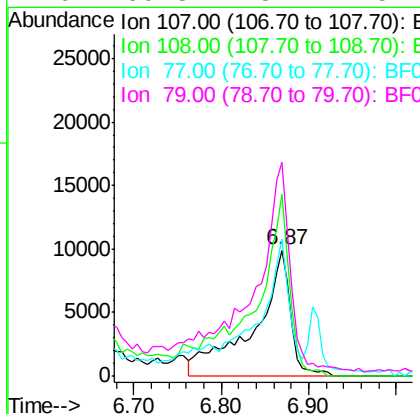
Instrument :
BNA_F
ClientSampleId :
WW-1-2-3-COMP

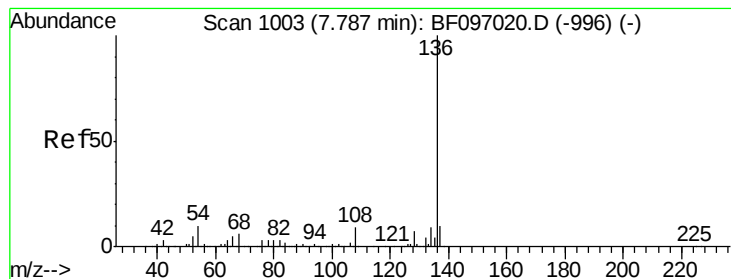
Tot Ion: 70 Resp: 112842
Ion Ratio Lower Upper
70 100
42 129.4 47.2 70.8#
101 0.0 7.2 10.8#
130 0.0 15.9 23.9#



#20
3+4-Methylphenols
Concen: 4.33 ng
RT: 6.87 min Scan# 847
Delta R.T. -0.08 min
Lab File: BF097210.D
Acq: 31 Jul 2017 16:19

Tgt Ion:107 Resp: 28205
Ion Ratio Lower Upper
107 100
108 144.6 71.0 111.0#
77 109.1 90.5 130.5
79 169.8 8.4 48.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.80 min Scan# 1006

Delta R.T. 0.02 min

Lab File: BF097210.D

Acq: 31 Jul 2017 16:19

Instrument :

BNA_F

ClientSampleId :

WW-1-2-3-COMP

Tot Ion:136 Resp: 439424

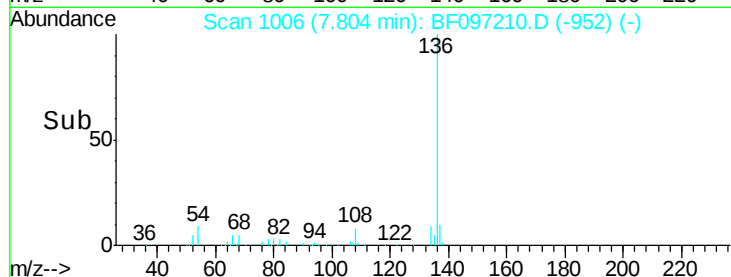
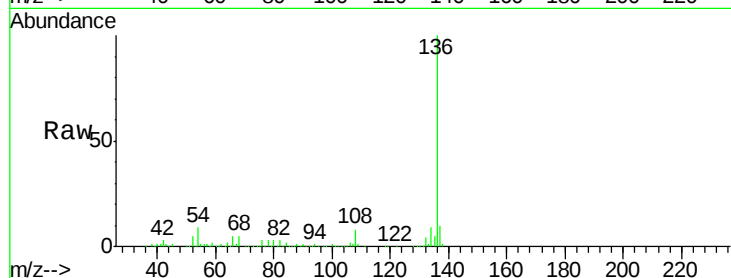
Ion Ratio Lower Upper

136 100

137 10.3 8.5 12.7

54 9.5 4.9 7.3#

68 4.9 4.1 6.1

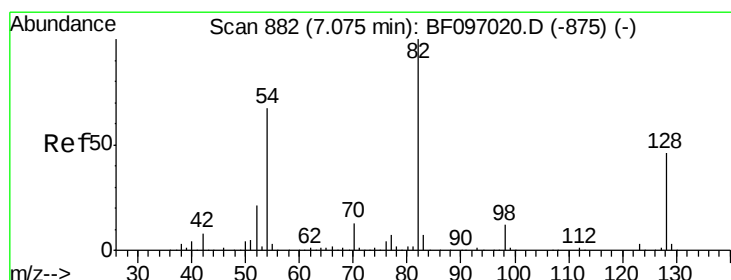
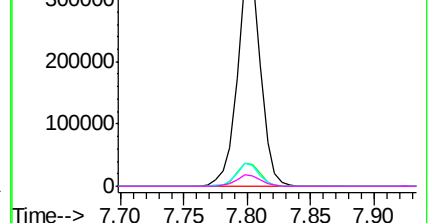


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 76.84 ng

RT: 7.06 min Scan# 879

Delta R.T. -0.02 min

Lab File: BF097210.D

Acq: 31 Jul 2017 16:19

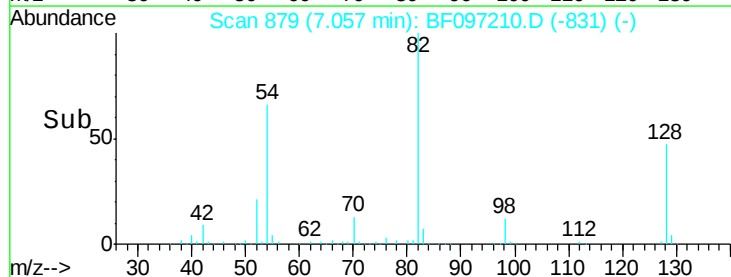
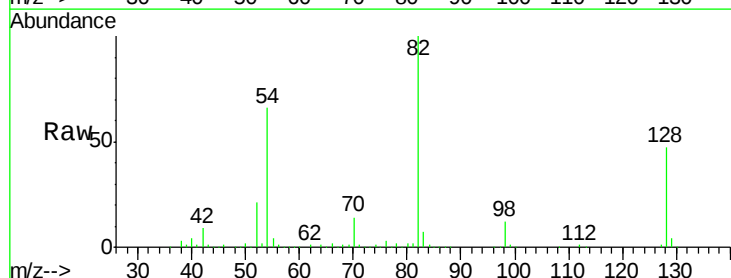
Tgt Ion: 82 Resp: 575564

Ion Ratio Lower Upper

82 100

128 46.5 34.0 51.0

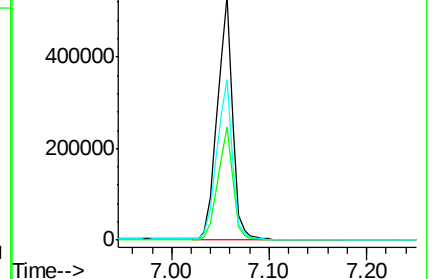
54 65.8 42.2 63.2#

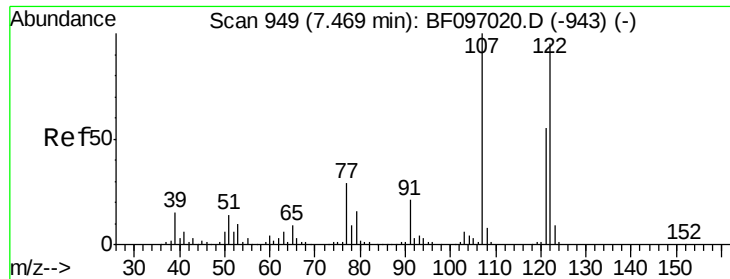


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

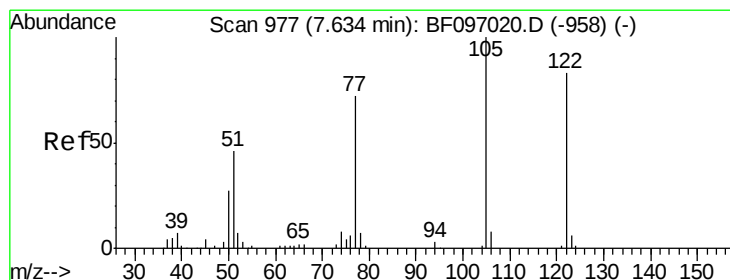
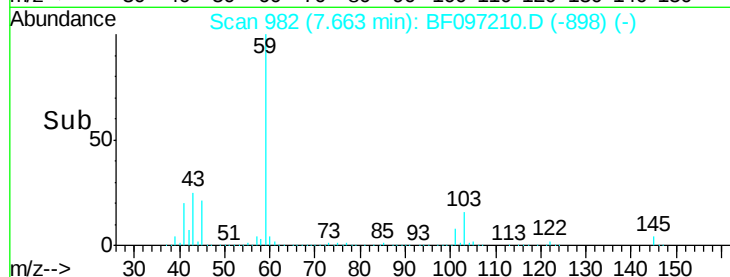
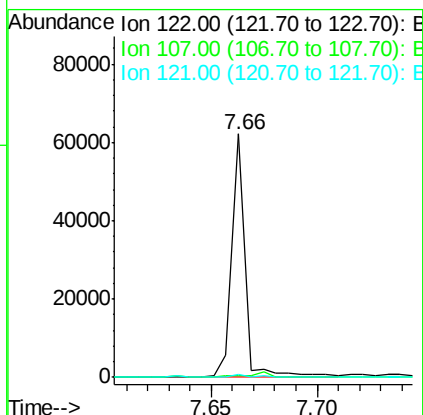
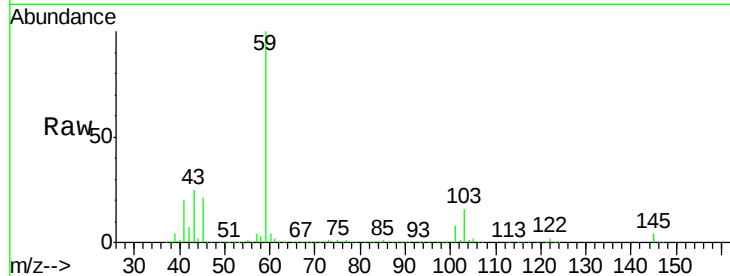




#27
2,4-Dimethylphenol
Concen: 3.88 ng
RT: 7.66 min Scan# 982
Delta R.T. 0.19 min
Lab File: BF097210.D
Acq: 31 Jul 2017 16:19

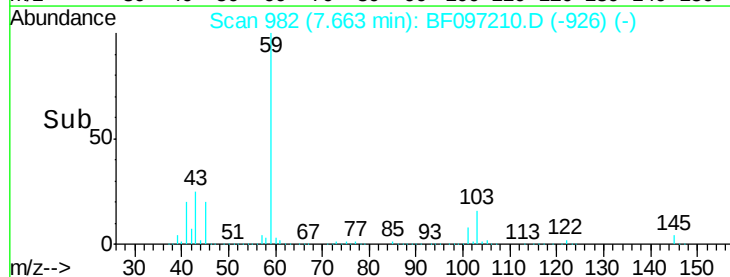
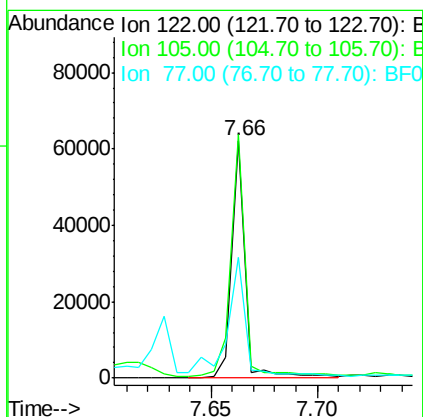
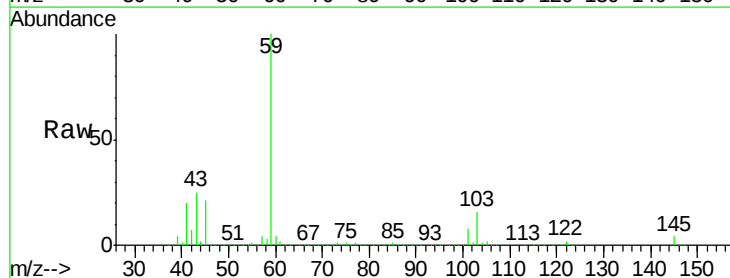
Instrument :
BNA_F
ClientSampleId :
WW-1-2-3-COMP

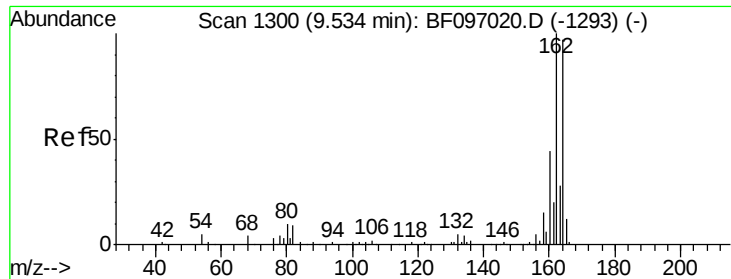
Tot Ion:122 Resp: 27019
Ion Ratio Lower Upper
122 100
107 0.8 89.2 133.8#
121 1.5 45.2 67.8#



#32
Benzoic acid
Concen: 5.20 ng
RT: 7.66 min Scan# 982
Delta R.T. 0.03 min
Lab File: BF097210.D
Acq: 31 Jul 2017 16:19

Tgt Ion:122 Resp: 27019
Ion Ratio Lower Upper
122 100
105 102.5 103.3 143.3#
77 50.6 73.7 113.7#

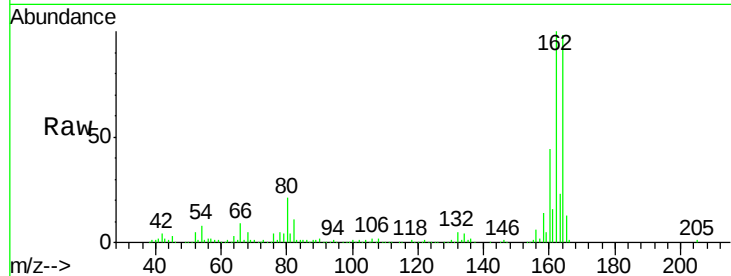




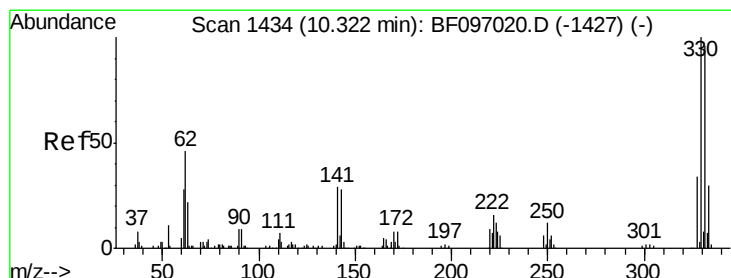
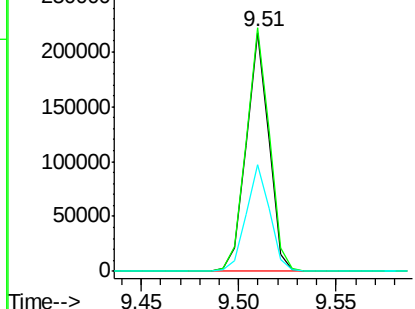
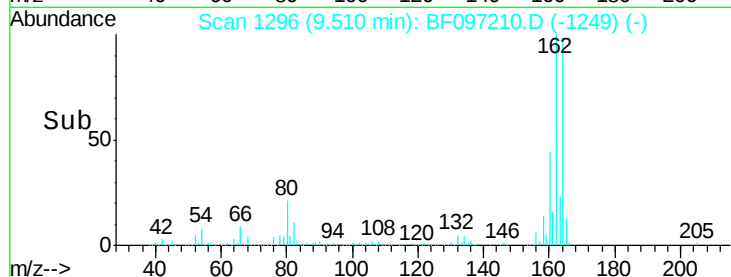
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.51 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: BF097210.D
 Acq: 31 Jul 2017 16:19

Instrument :
 BNA_F
 ClientSampleId :
 WW-1-2-3-COMP

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.6	123.8
160	44.9	36.2	54.2

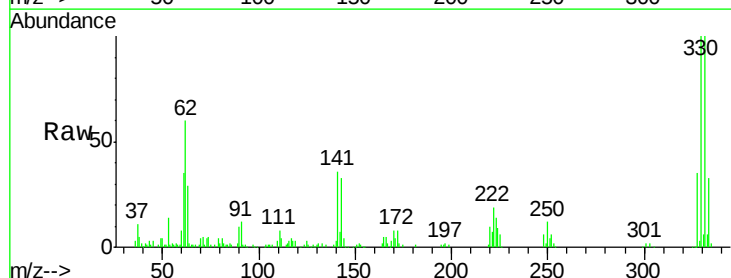


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

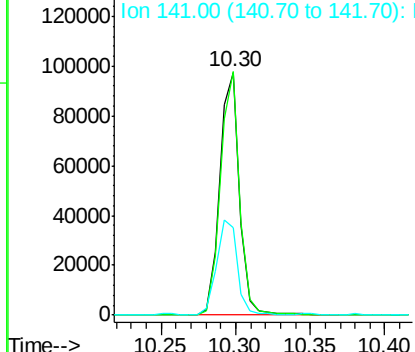
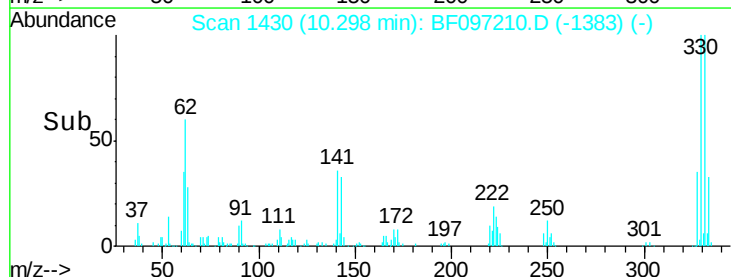


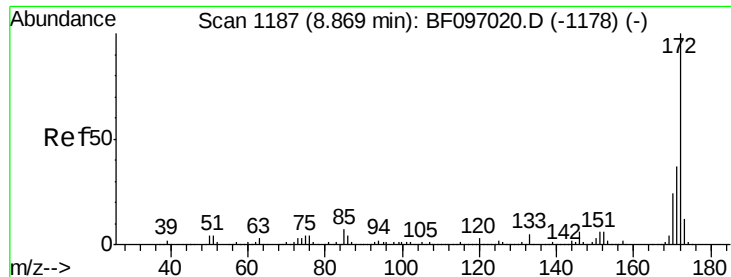
#41
 2,4,6-Tribromophenol
 Concen: 65.53 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF097210.D
 Acq: 31 Jul 2017 16:19

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.6	115.0
141	41.3	31.4	47.2



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

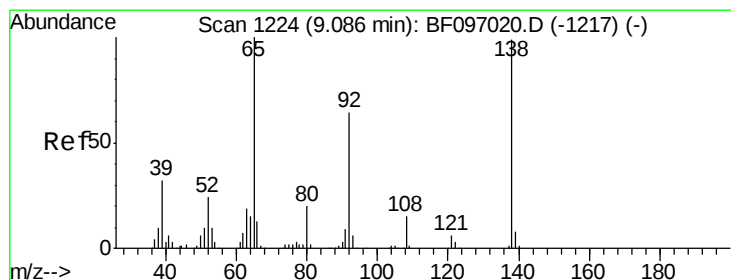
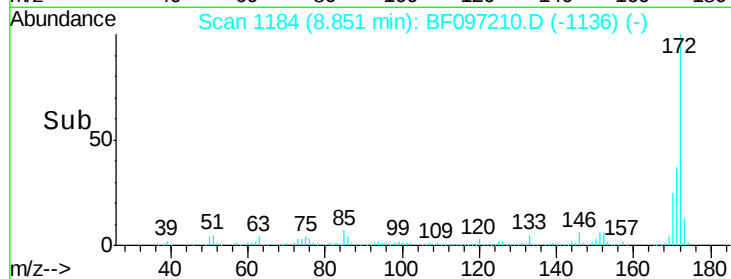
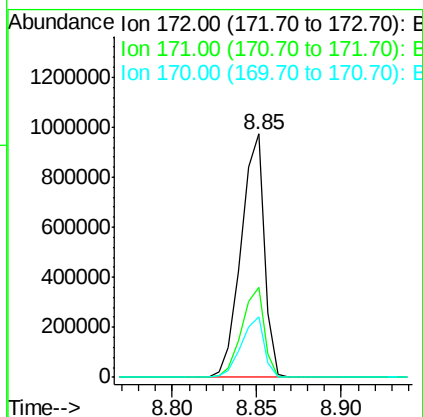
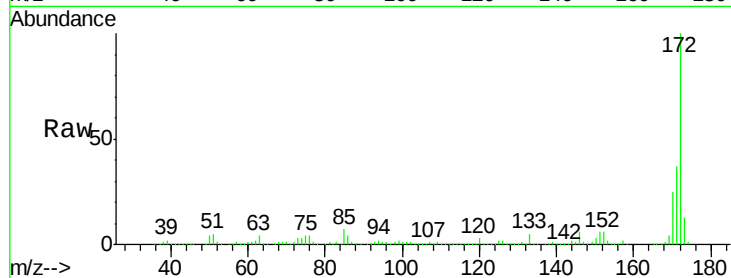




#44
 2-Fluorobiphenyl
 Concen: 90.94 ng
 RT: 8.85 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF097210.D
 Acq: 31 Jul 2017 16:19

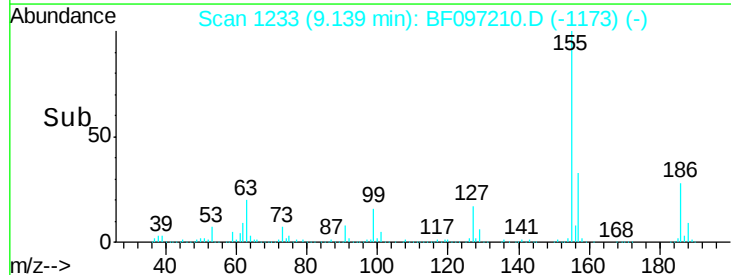
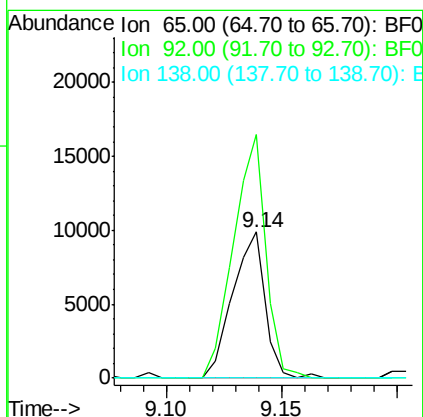
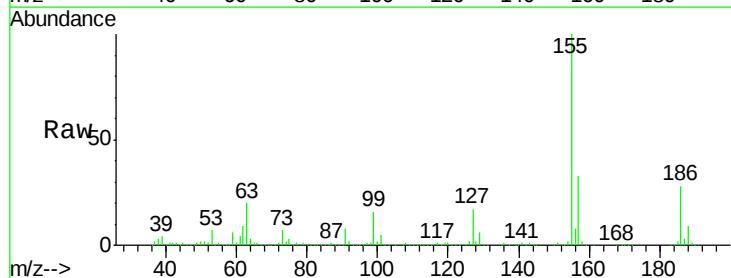
Instrument :
 BNA_F
 ClientSampleId :
 WW-1-2-3-COMP

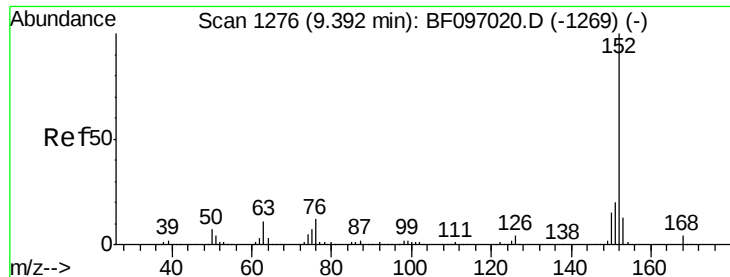
Tot Ion:172 Resp: 936268
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.6 44.4
 170 24.8 19.8 29.8



#47
 2-Nitroaniline
 Concen: 2.43 ng
 RT: 9.14 min Scan# 1233
 Delta R.T. 0.05 min
 Lab File: BF097210.D
 Acq: 31 Jul 2017 16:19

Tgt Ion: 65 Resp: 9679
 Ion Ratio Lower Upper
 65 100
 92 166.7 53.9 80.9#
 138 0.0 78.8 118.2#





#48

Acenaphthylene

Concen: 4.73 ng

RT: 9.26 min Scan# 1253

Delta R.T. -0.14 min

Lab File: BF097210.D

Acq: 31 Jul 2017 16:19

Instrument :

BNA_F

ClientSampleId :

WW-1-2-3-COMP

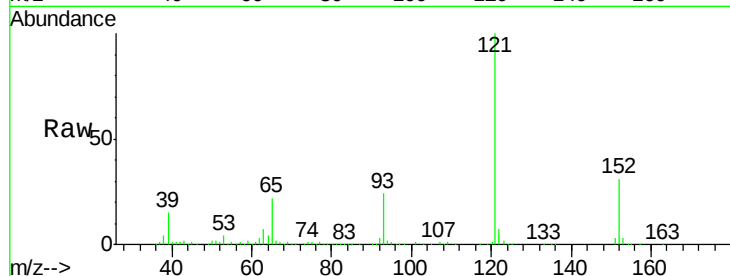
Tot Ion:152 Resp: 79696

Ion Ratio Lower Upper

152 100

151 8.0 16.8 25.2#

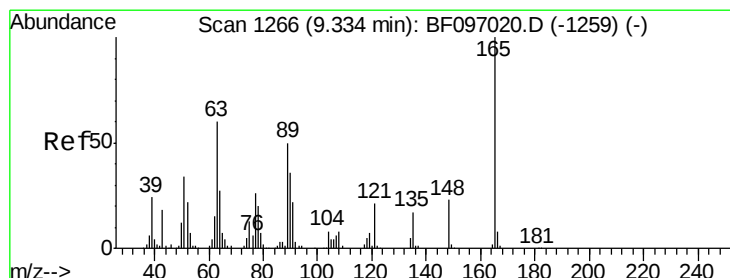
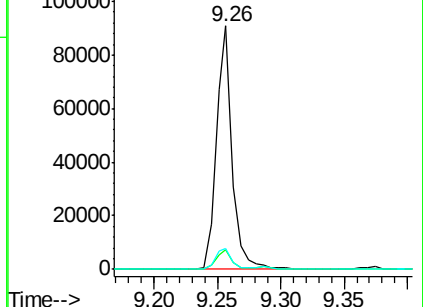
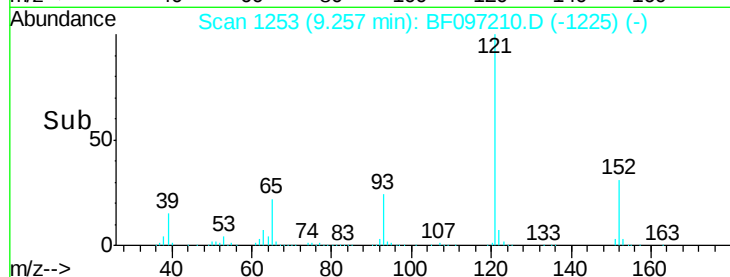
153 8.8 10.8 16.2#



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



#50

2,6-Dinitrotoluene

Concen: 2.94 ng

RT: 9.29 min Scan# 1258

Delta R.T. -0.05 min

Lab File: BF097210.D

Acq: 31 Jul 2017 16:19

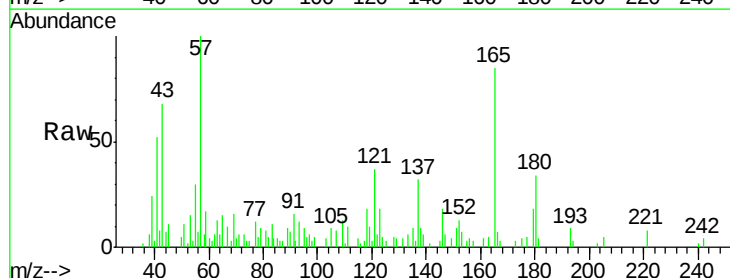
Tgt Ion:165 Resp: 8279

Ion Ratio Lower Upper

165 100

63 15.4 34.3 51.5#

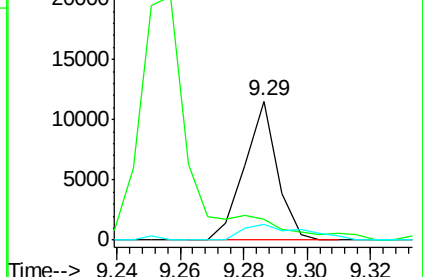
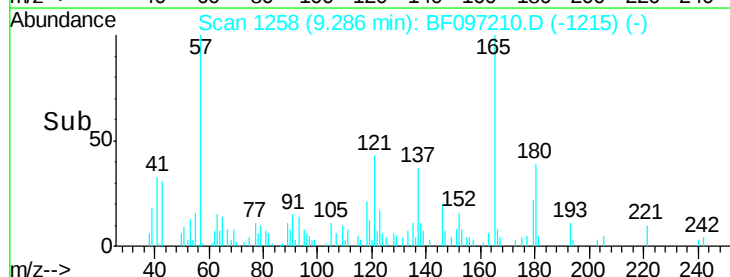
89 10.9 37.1 55.7#

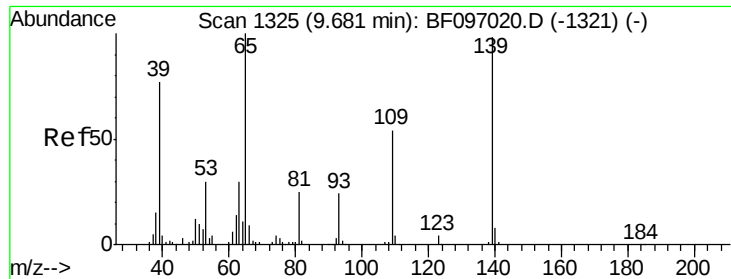


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

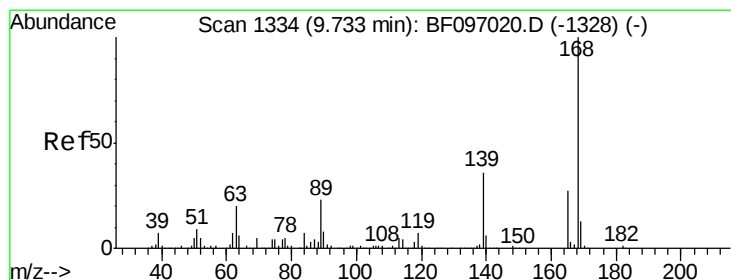
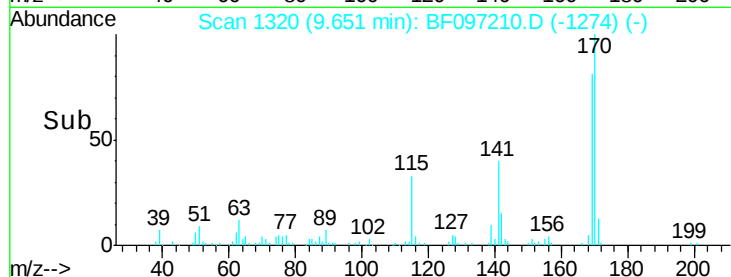
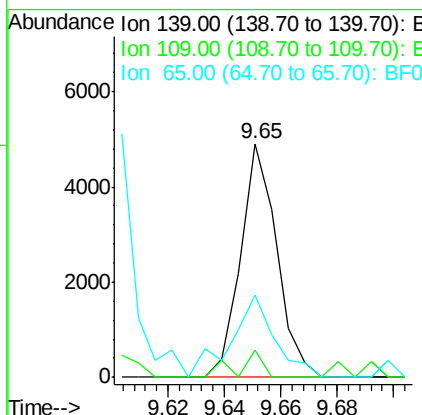
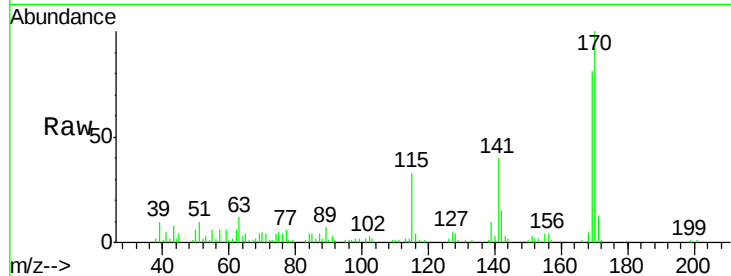




#55
4-Nitrophenol
Concen: 2.10 ng
RT: 9.65 min Scan# 1320
Delta R.T. -0.03 min
Lab File: BF097210.D
Acq: 31 Jul 2017 16:19

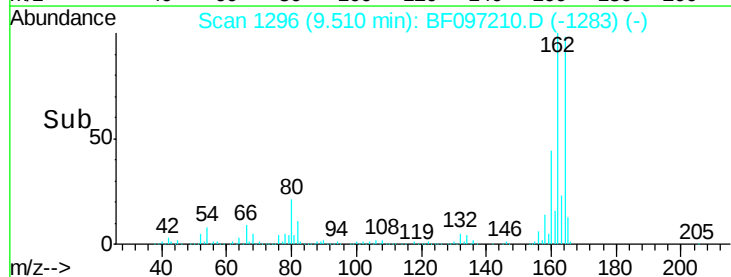
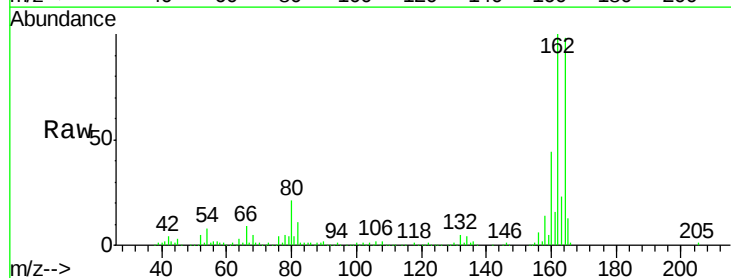
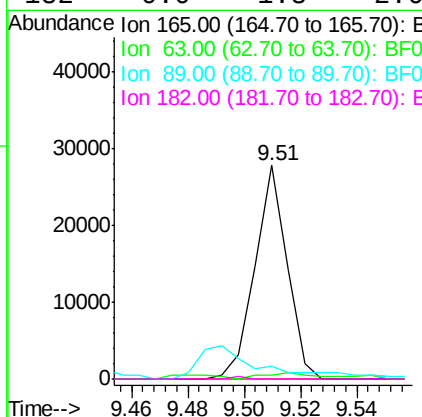
Instrument :
BNA_F
ClientSampleId :
WW-1-2-3-COMP

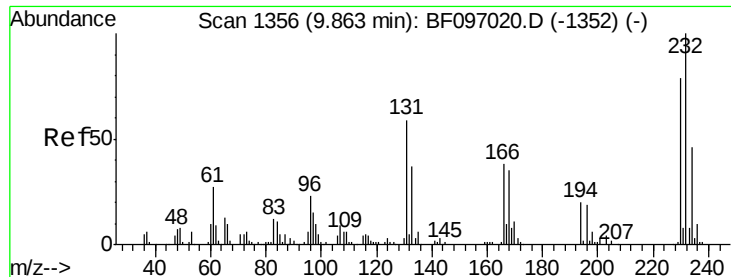
Tot Ion	Ratio	Lower	Upper
139	100		
109	11.6	34.1	74.1#
65	35.1	31.4	71.4



#56
2,4-Dinitrotoluene
Concen: 6.78 ng
RT: 9.51 min Scan# 1296
Delta R.T. -0.22 min
Lab File: BF097210.D
Acq: 31 Jul 2017 16:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	25.4	38.0#
89	6.2	46.4	69.6#
182	0.0	1.8	2.6#

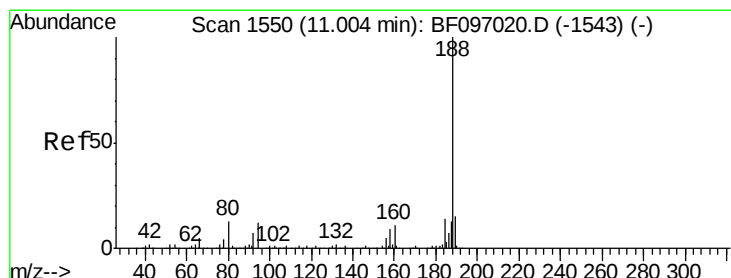
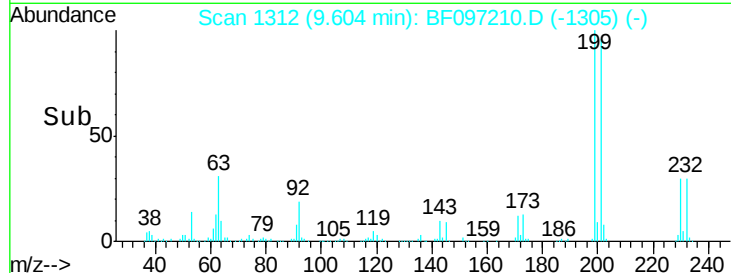
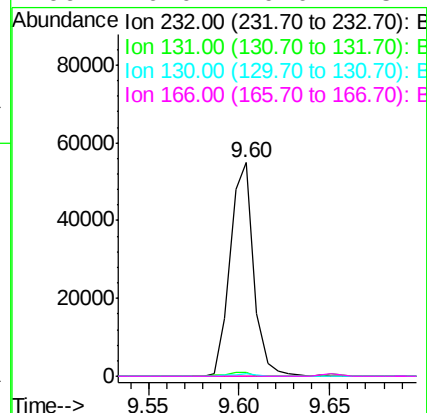
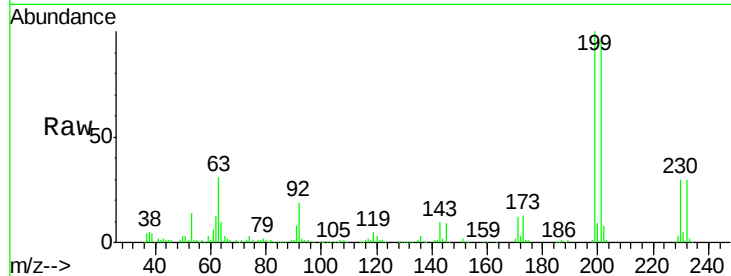




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 21.32 ng
 RT: 9.60 min Scan# 1312
 Delta R.T. -0.26 min
 Lab File: BF097210.D
 Acq: 31 Jul 2017 16:19

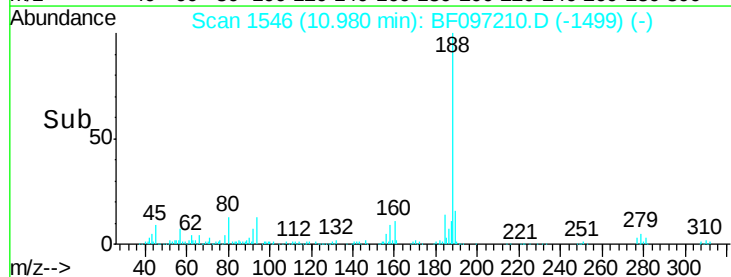
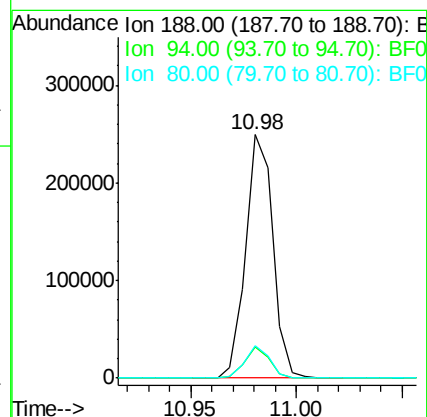
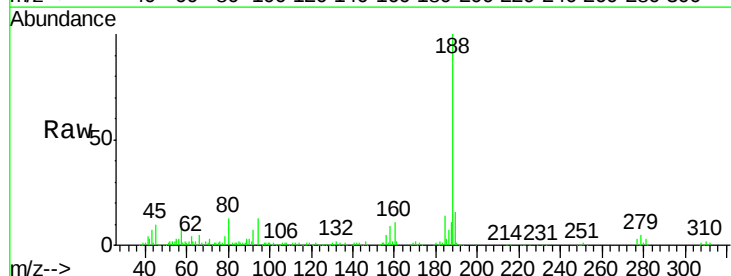
Instrument :
 BNA_F
 ClientSampleId :
 WW-1-2-3-COMP

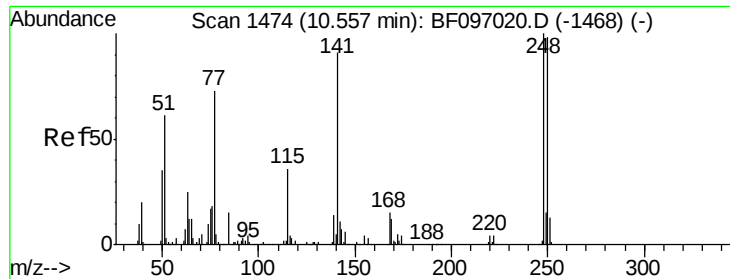
Tot Ion:232 Resp: 49780
 Ion Ratio Lower Upper
 232 100
 131 1.8 44.8 67.2#
 130 1.3 2.3 3.5#
 166 0.0 29.0 43.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.98 min Scan# 1546
 Delta R.T. -0.02 min
 Lab File: BF097210.D
 Acq: 31 Jul 2017 16:19

Tgt Ion:188 Resp: 222268
 Ion Ratio Lower Upper
 188 100
 94 12.7 9.4 14.2
 80 13.1 10.2 15.2

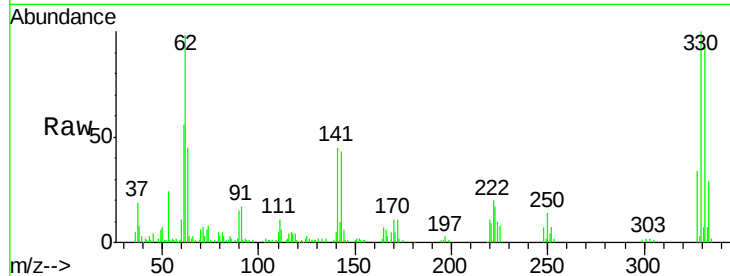




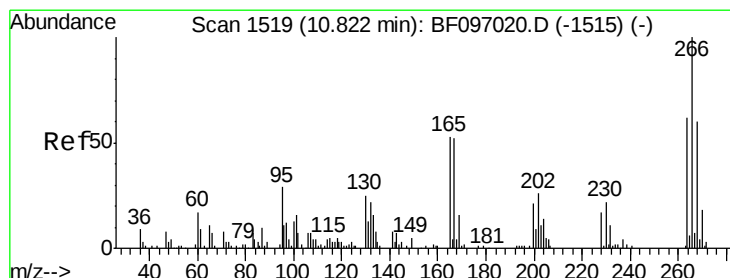
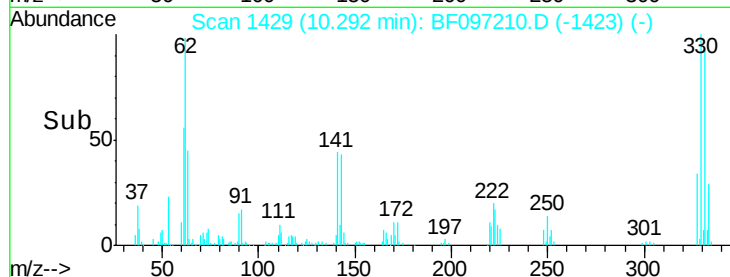
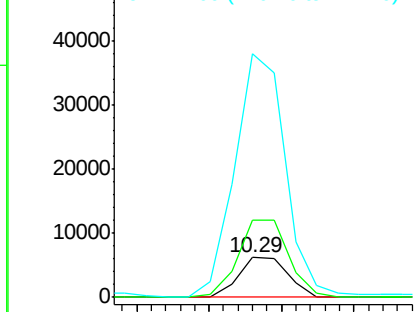
#66
4-Bromophenyl-phenylether
Concen: 2.65 ng
RT: 10.29 min Scan# 1429
Delta R.T. -0.26 min
Lab File: BF097210.D
Acq: 31 Jul 2017 16:19

Instrument :
BNA_F
ClientSampleId :
WW-1-2-3-COMP

Tot Ion:248 Resp: 5885
Ion Ratio Lower Upper
248 100
250 193.2 76.8 115.2#
141 608.2 68.6 103.0#

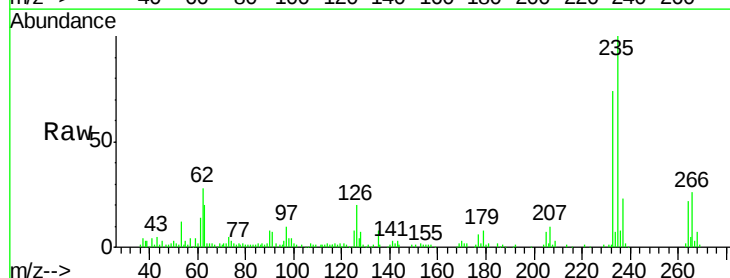


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

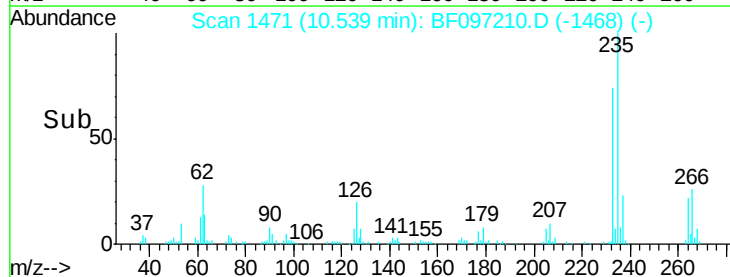
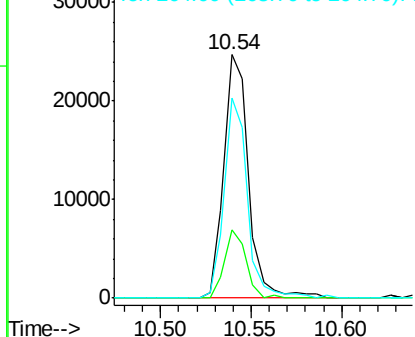


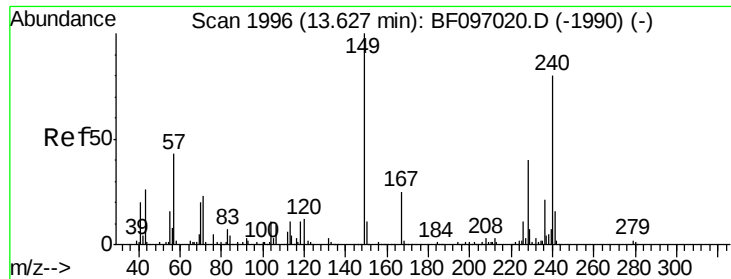
#69
Pentachlorophenol
Concen: 22.93 ng
RT: 10.54 min Scan# 1471
Delta R.T. -0.28 min
Lab File: BF097210.D
Acq: 31 Jul 2017 16:19

Tgt Ion:266 Resp: 23602
Ion Ratio Lower Upper
266 100
268 27.8 51.1 76.7#
264 82.0 51.7 77.5#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.61 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF097210.D

Acq: 31 Jul 2017 16:19

Instrument :

BNA_F

ClientSampleId :

WW-1-2-3-COMP

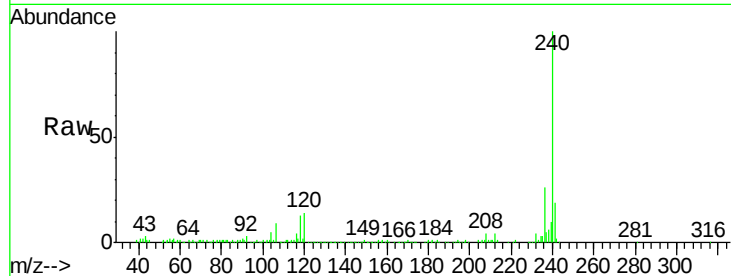
Tot Ion:240 Resp: 206092

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

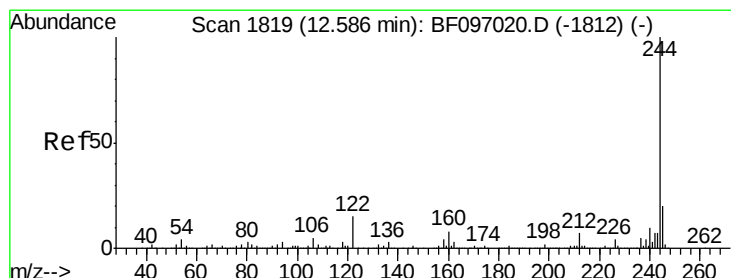
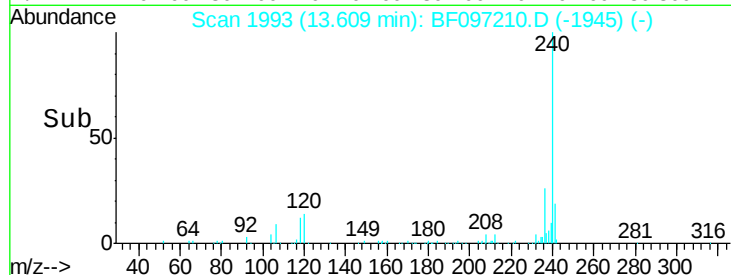
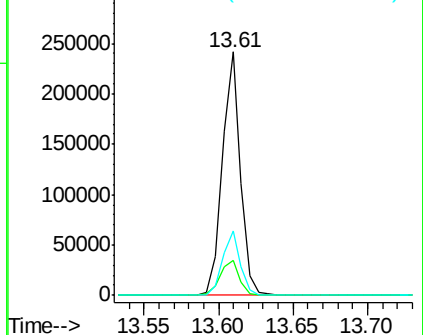
236 26.4 20.5 30.7



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: 52.41 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF097210.D

Acq: 31 Jul 2017 16:19

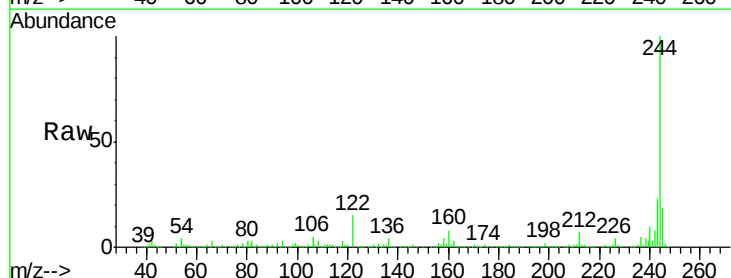
Tgt Ion:244 Resp: 529783

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

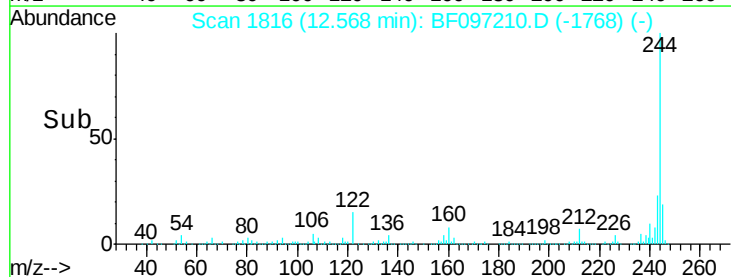
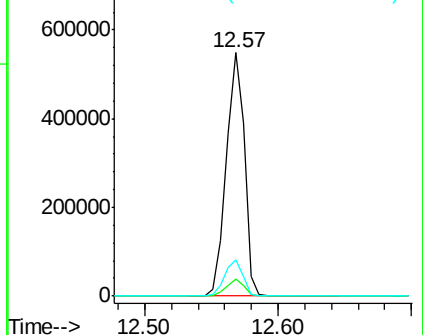
122 14.9 10.3 15.5

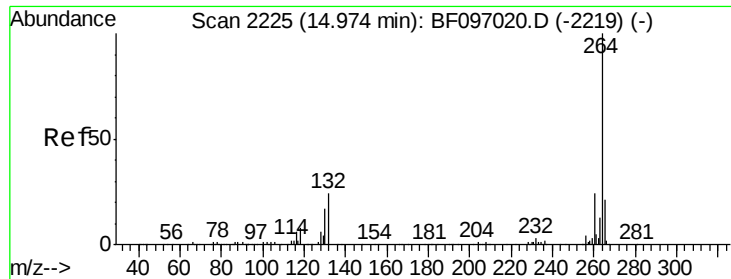


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.96 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF097210.D
Acq: 31 Jul 2017 16:19

Instrument :
BNA_F
ClientSampleId :
WW-1-2-3-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	21.3	17.2	25.8

