

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061318\
 Data File : BF106420.D
 Acq On : 14 Jun 2018 4:49
 Operator : JU/SJ
 Sample : J3398-01
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 14 06:50:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 13 10:51:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	150734	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	563534	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	279402	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	502100	20.00	ng	0.00
75) Chrysene-d12	14.14	240	395671	20.00	ng	-0.02
86) Perylene-d12	15.67	264	382971	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	543341	61.01	ng	-0.02
7) Phenol-d6	6.61	99	434773	38.64	ng	-0.01
23) Nitrobenzene-d5	7.53	82	787434	82.20	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	389502	144.89	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	1374224	88.47	ng	0.00
78) Terphenyl-d14	13.08	244	1327558	83.34	ng	0.00

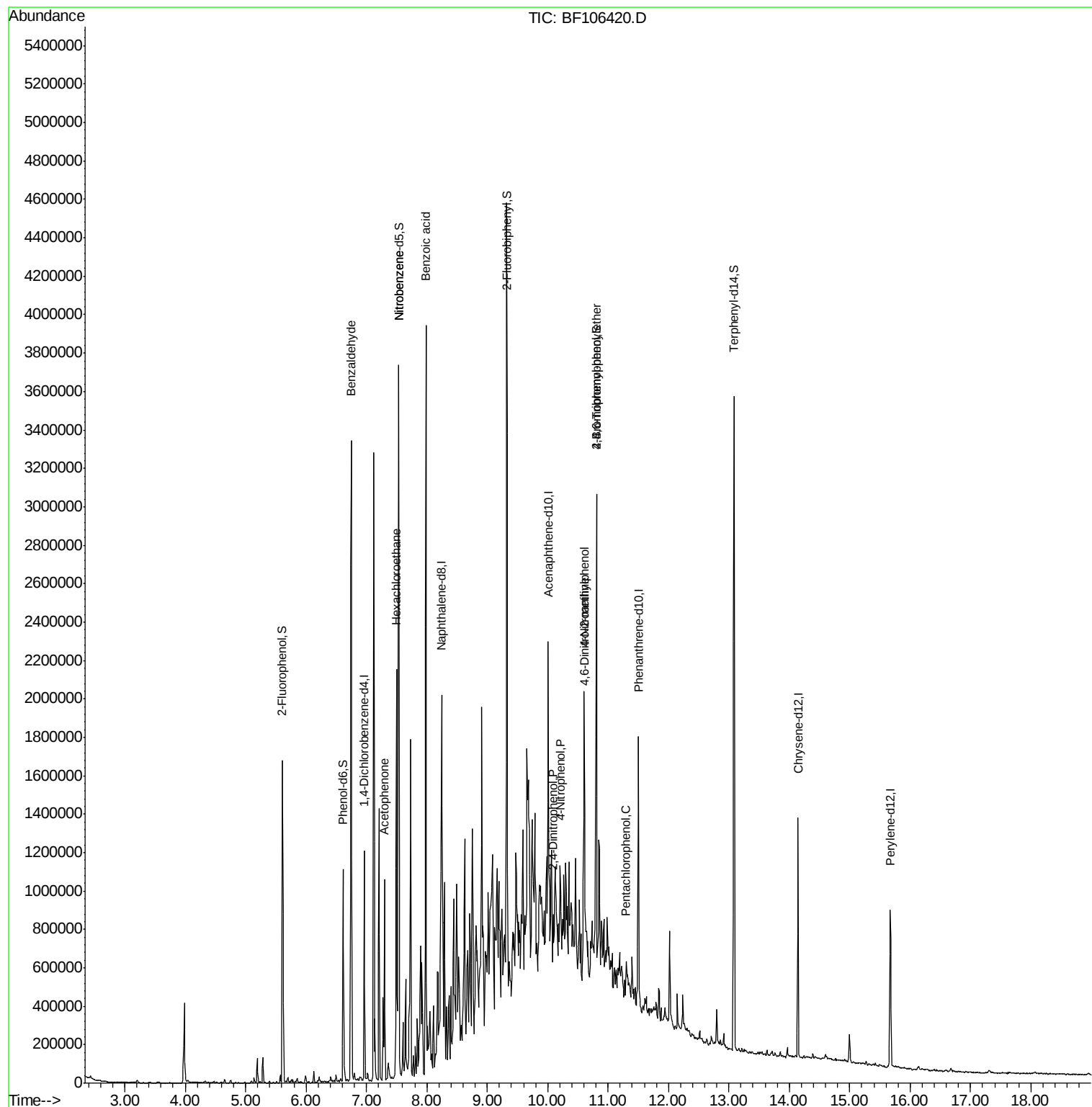
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	23106	2.707	ng	# 79
18) Hexachloroethane	7.50	117	195438	47.951	ng	# 1
22) Acetophenone	7.30	105	230716	16.246	ng	# 69
24) Nitrobenzene	7.54	77	43076	4.137	ng	# 11
32) Benzoic acid	7.98	122	150	7.311	ng	# 1
53) 2,4-Dinitrophenol	10.09	184	562	8.882	ng	# 1
55) 4-Nitrophenol	10.21	139	17911	4.828	ng	# 56
61) 4-Nitroaniline	10.61	138	17064	3.624	ng	# 37
64) 4,6-Dinitro-2-methylphenol	10.60	198	260	6.378	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	24443	4.280	ng	# 1
69) Pentachlorophenol	11.31	266	16453	4.539	ng	97

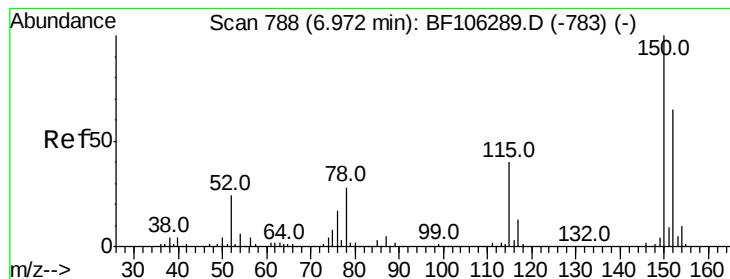
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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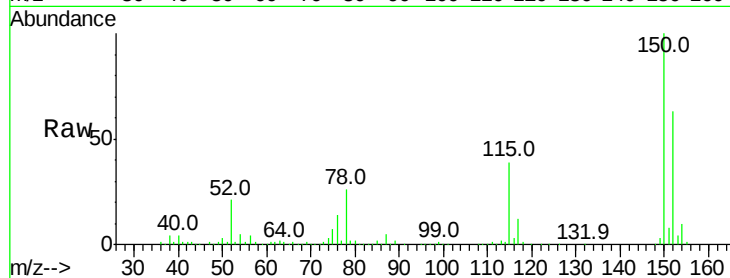


#1

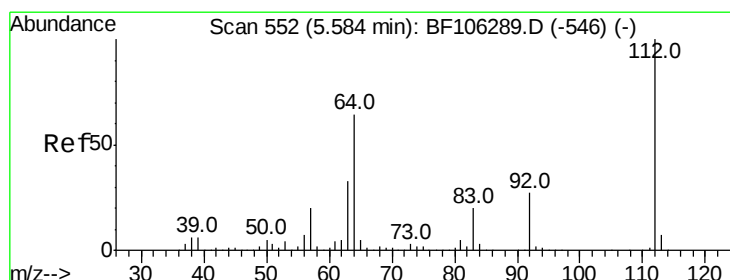
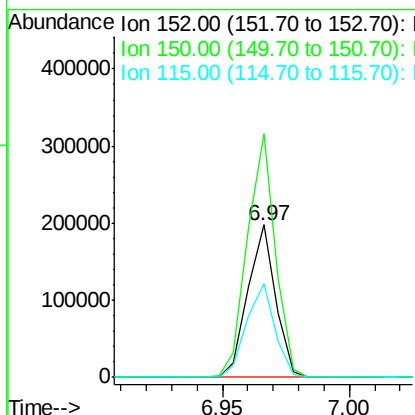
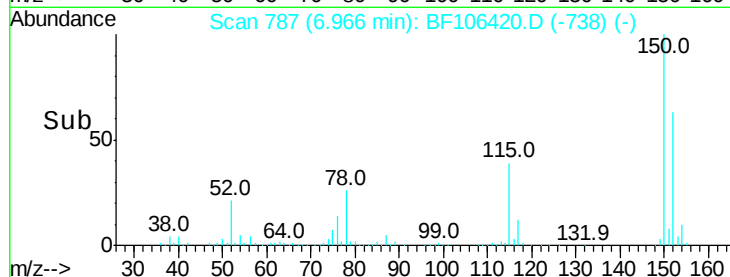
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF106420.D
Acq: 14 Jun 2018 4:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 150734
Ion Ratio Lower Upper
152 100
150 159.9 124.6 186.8
115 62.0 50.1 75.1



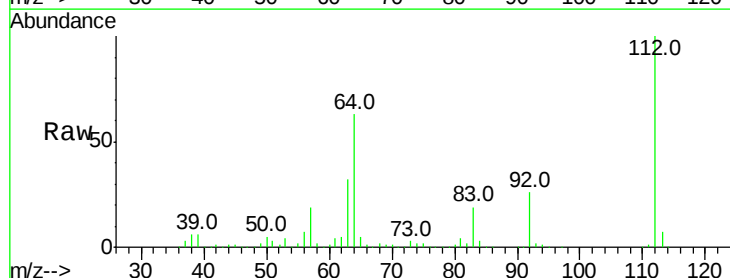
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



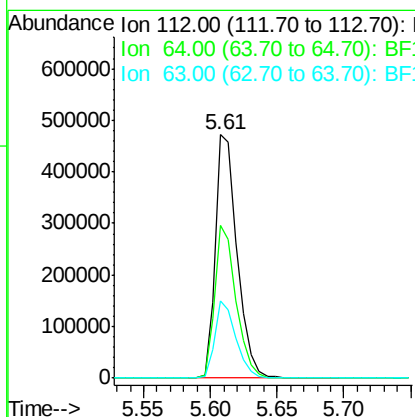
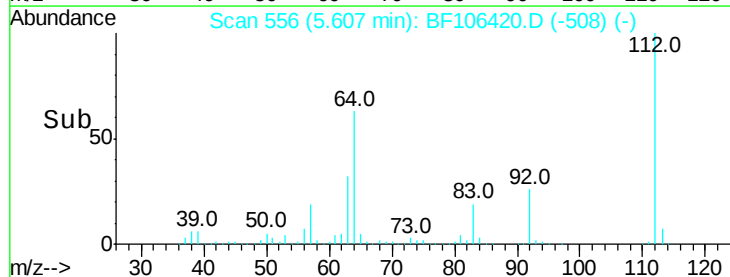
#5

2-Fluorophenol
Concen: 61.008 ng
RT: 5.61 min Scan# 556
Delta R.T. -0.02 min
Lab File: BF106420.D
Acq: 14 Jun 2018 4:49

Tgt Ion:112 Resp: 543341
Ion Ratio Lower Upper
112 100
64 62.7 47.9 71.9
63 31.9 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 38.640 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF106420.D

Acq: 14 Jun 2018 4:49

Instrument :

BNA_F

ClientSampled :

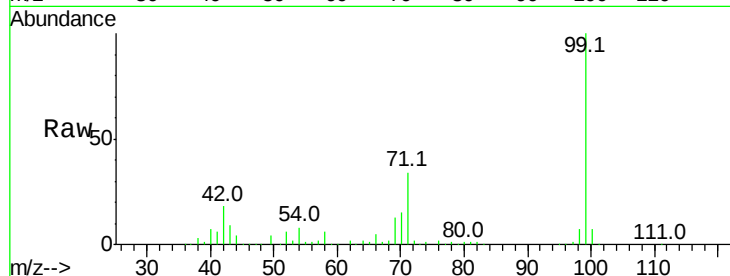
Tot Ion: 99 Resp: 434773

Ion Ratio Lower Upper

99 100

42 18.2 14.5 21.7

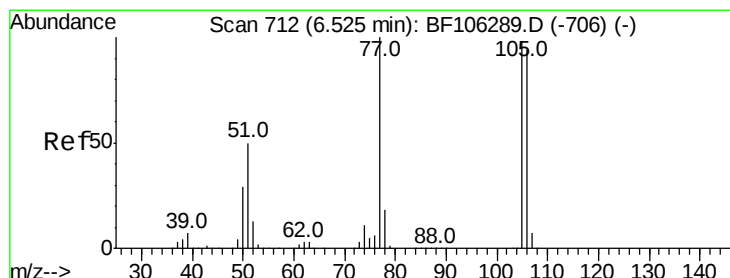
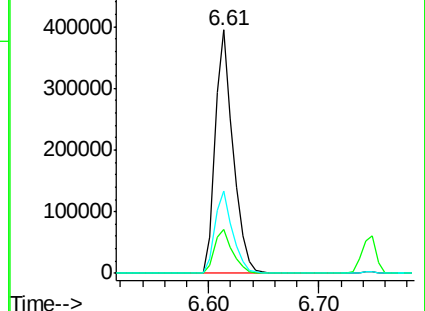
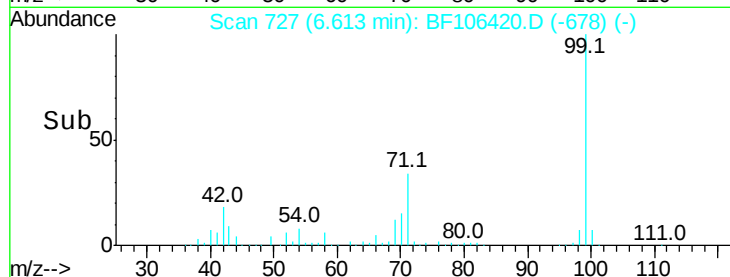
71 34.1 25.4 38.0



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: 2.707 ng

RT: 6.75 min Scan# 750

Delta R.T. 0.22 min

Lab File: BF106420.D

Acq: 14 Jun 2018 4:49

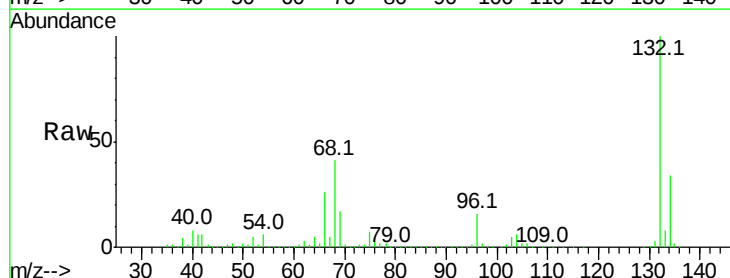
Tgt Ion: 77 Resp: 23106

Ion Ratio Lower Upper

77 100

105 77.6 81.1 121.1#

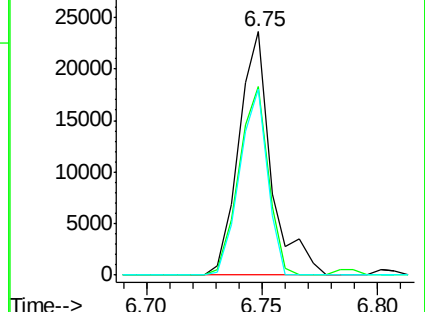
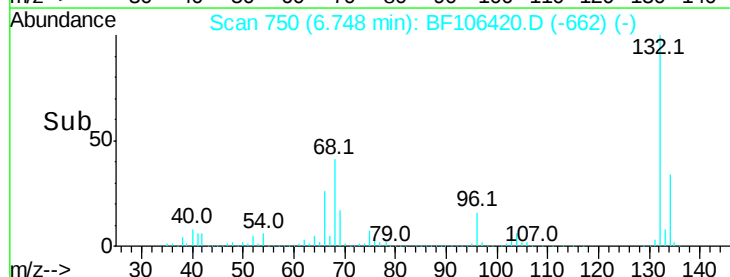
106 76.4 74.5 114.5

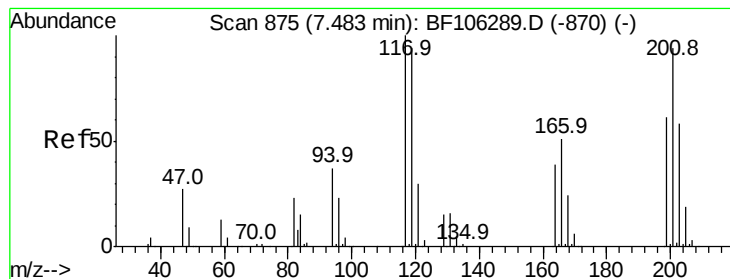


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#18

Hexachloroethane

Concen: 47.951 ng

RT: 7.50 min Scan# 877

Delta R.T. 0.01 min

Lab File: BF106420.D

Acq: 14 Jun 2018 4:49

Instrument :

BNA_F

ClientSampleId :

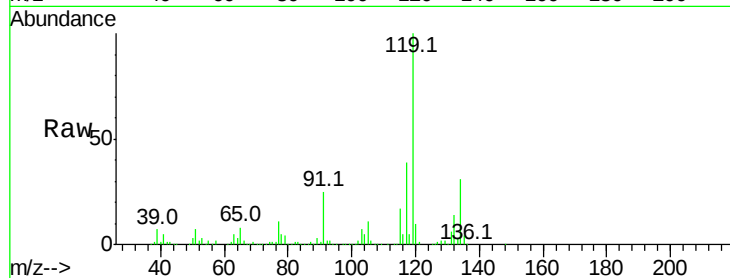
Tot Ion:117 Resp: 195438

Ion Ratio Lower Upper

117 100

119 254.2 75.8 113.8#

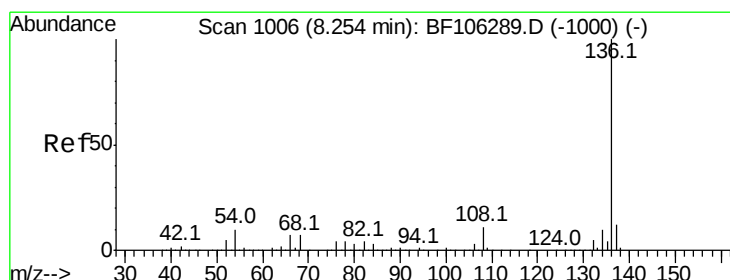
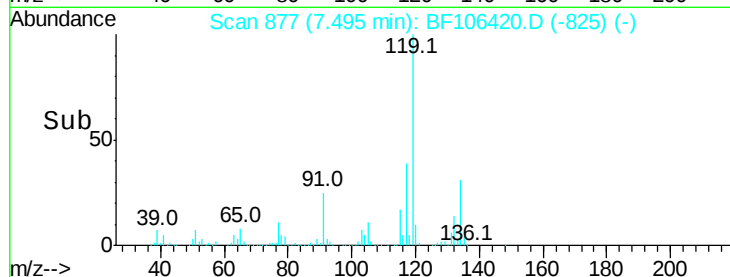
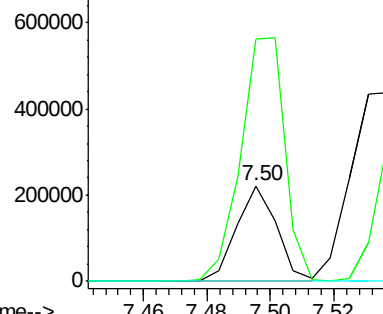
201 0.0 75.7 113.5#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF106420.D

Acq: 14 Jun 2018 4:49

Tgt Ion:136 Resp: 563534

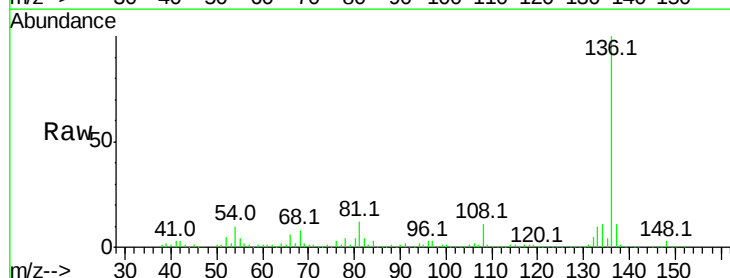
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.7 6.6 9.8

68 7.7 5.0 7.4#

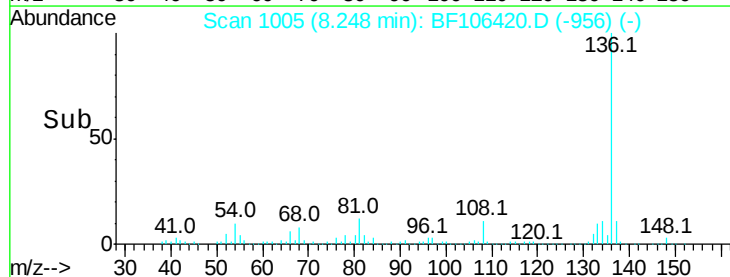
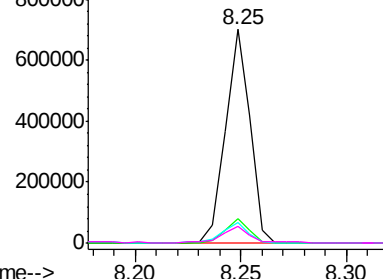


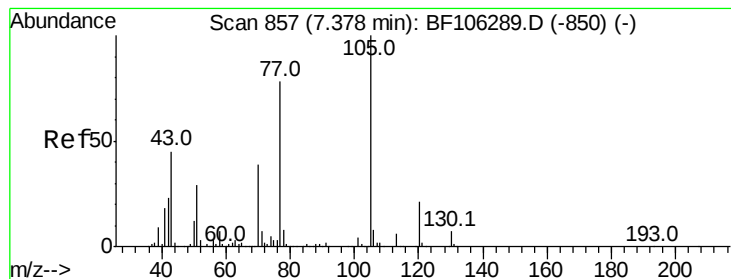
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#22

Acetophenone

Concen: 16.246 ng

RT: 7.30 min Scan# 844

Delta R.T. -0.08 min

Lab File: BF106420.D

Acq: 14 Jun 2018 4:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 230716

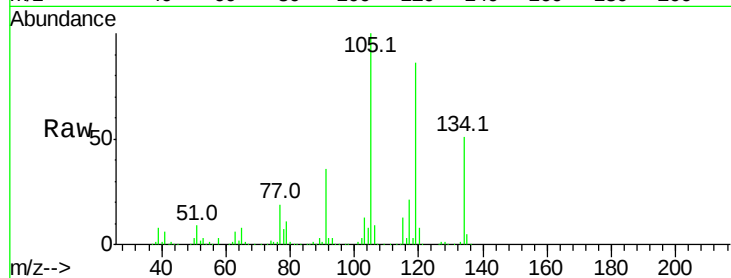
Ion Ratio Lower Upper

105 100

71 0.2 4.4 6.6#

51 8.5 22.3 33.5#

120 8.1 16.9 25.3#

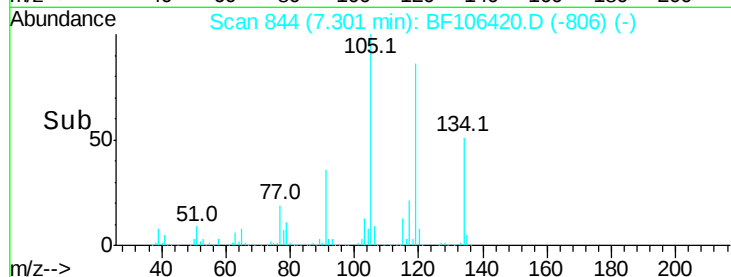


Abundance Ion 105.00 (104.70 to 105.70): E

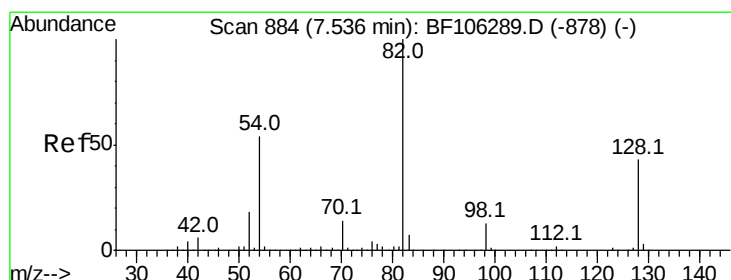
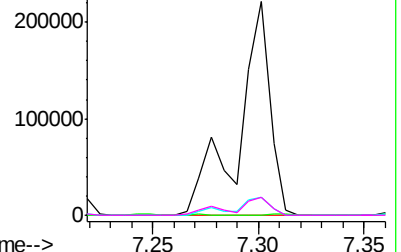
Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



Time-->



#23

Nitrobenzene-d5

Concen: 82.202 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF106420.D

Acq: 14 Jun 2018 4:49

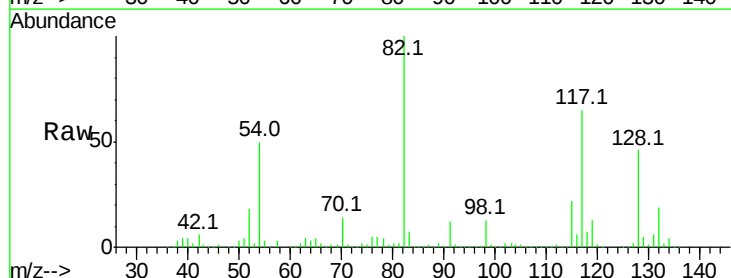
Tgt Ion: 82 Resp: 787434

Ion Ratio Lower Upper

82 100

128 46.1 36.1 54.1

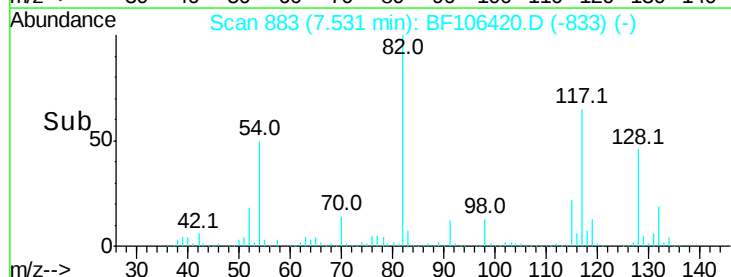
54 50.4 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

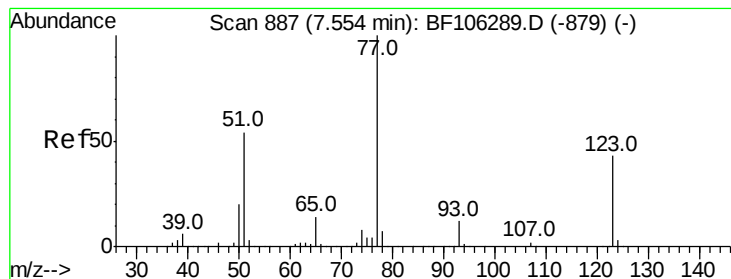
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->





#24

Nitrobenzene

Concen: 4.137 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.02 min

Lab File: BF106420.D

Acq: 14 Jun 2018 4:49

Instrument :

BNA_F

ClientSampleId :

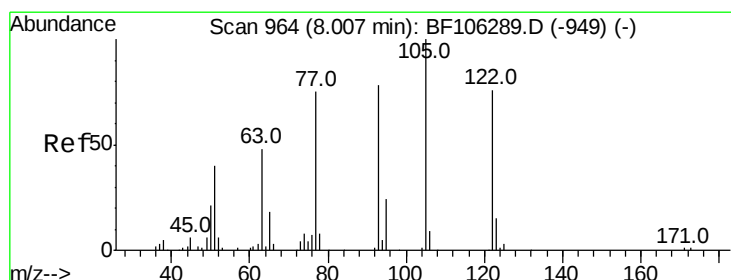
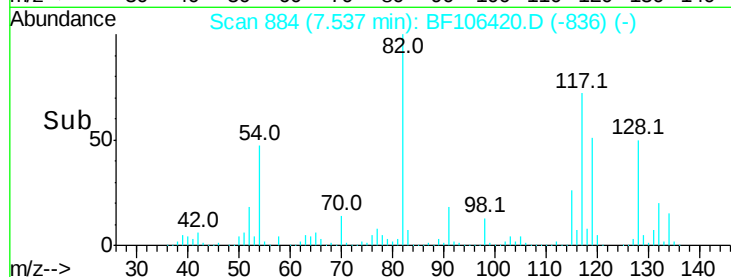
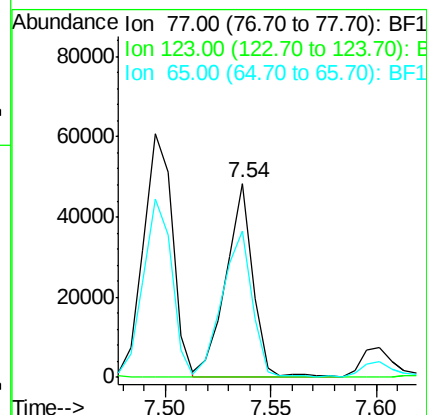
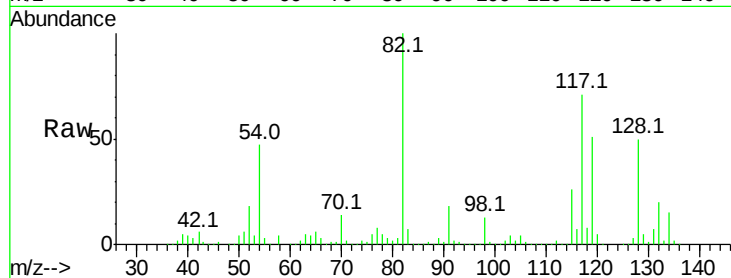
Tot Ion: 77 Resp: 43076

Ion Ratio Lower Upper

77 100

123 0.0 37.9 56.9#

65 75.5 11.0 16.4#



#32

Benzoic acid

Concen: 7.311 ng

RT: 7.98 min Scan# 960

Delta R.T. -0.02 min

Lab File: BF106420.D

Acq: 14 Jun 2018 4:49

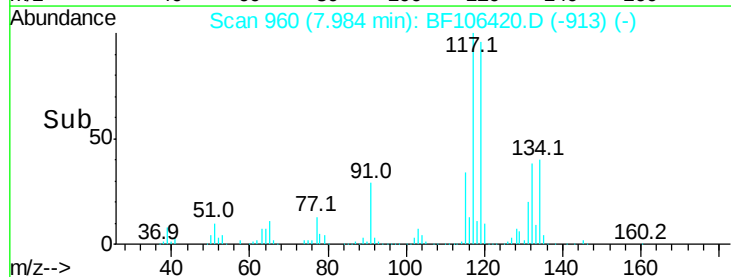
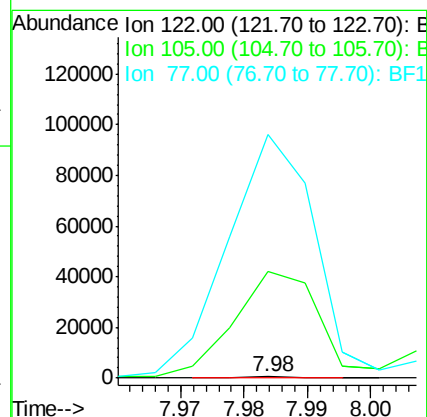
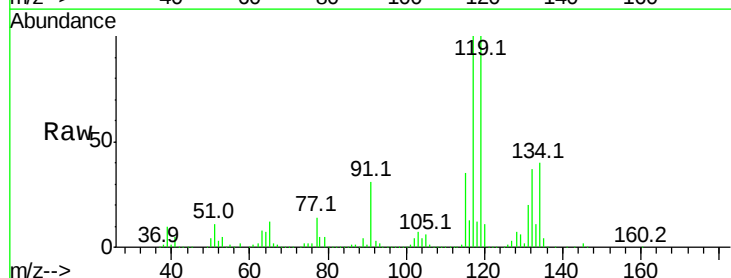
Tgt Ion:122 Resp: 150

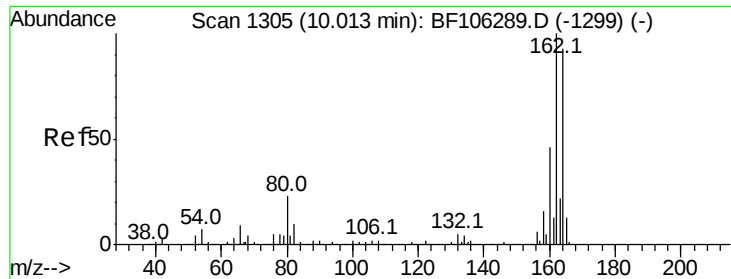
Ion Ratio Lower Upper

122 100

105 9932.1 101.1 141.1#

77 22664.2 70.7 110.7#

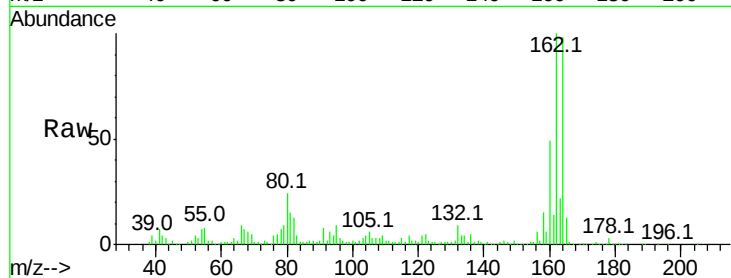




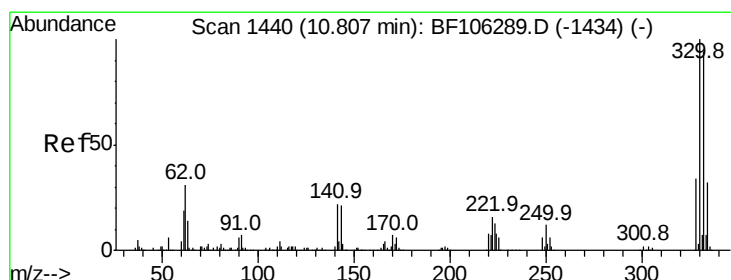
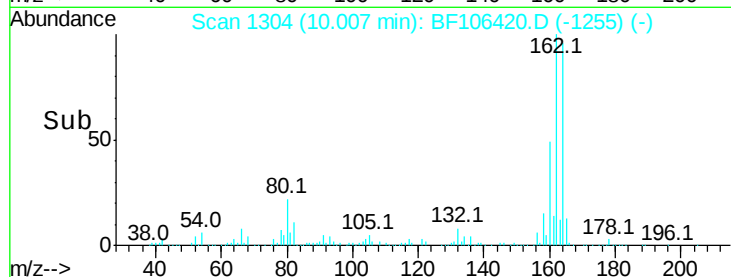
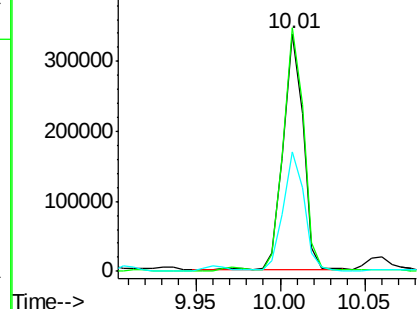
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF106420.D
Acq: 14 Jun 2018 4:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 279402
Ion Ratio Lower Upper
164 100
162 102.4 86.1 129.1
160 50.0 38.3 57.5

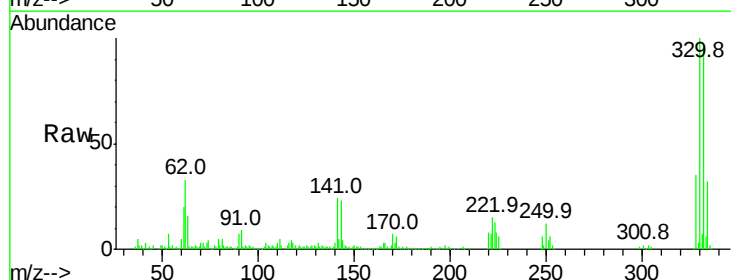


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

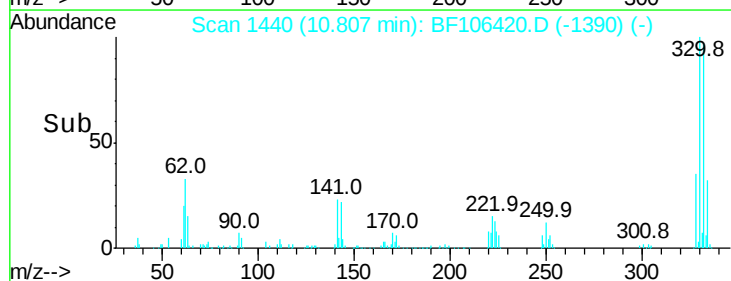
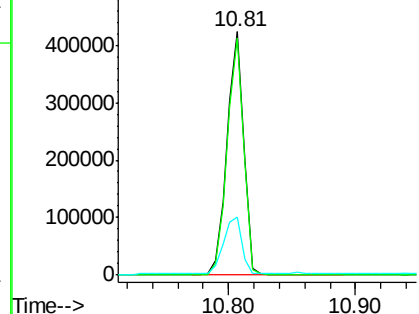


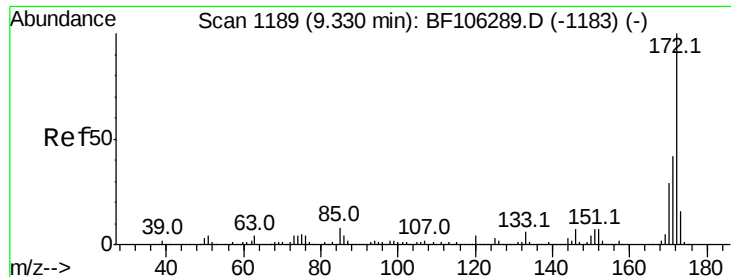
#41
2,4,6-Tribromophenol
Concen: 144.886 ng
RT: 10.81 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF106420.D
Acq: 14 Jun 2018 4:49

Tgt Ion:330 Resp: 389502
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 25.6 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

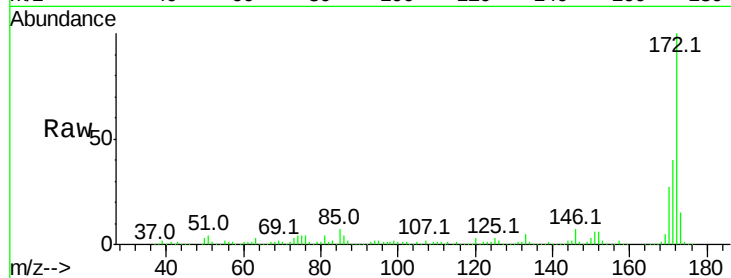




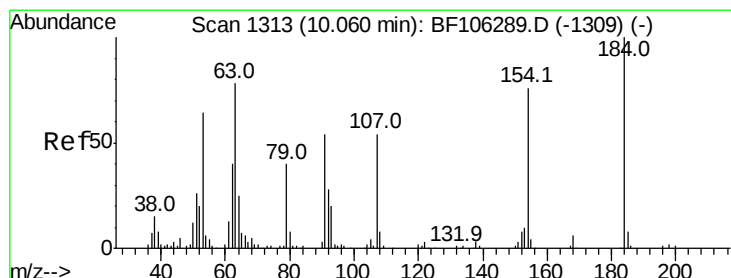
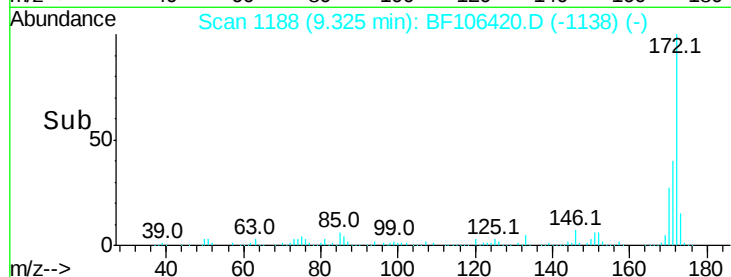
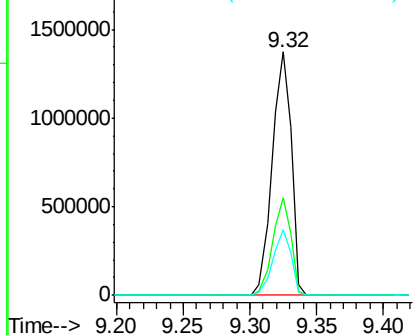
#44
2-Fluorobiphenyl
Concen: 88.474 ng
RT: 9.32 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF106420.D
Acq: 14 Jun 2018 4:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1374224
Ion Ratio Lower Upper
172 100
171 40.0 29.7 44.5
170 27.1 19.6 29.4

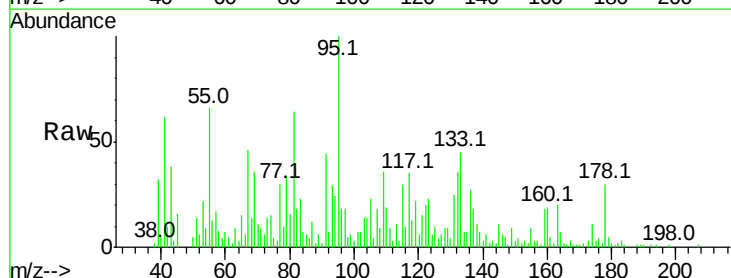


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

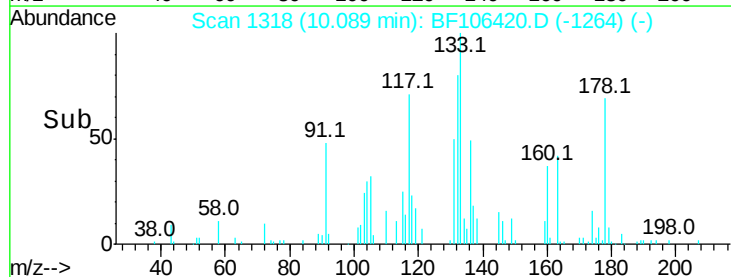
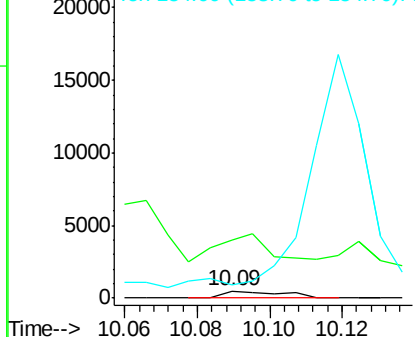


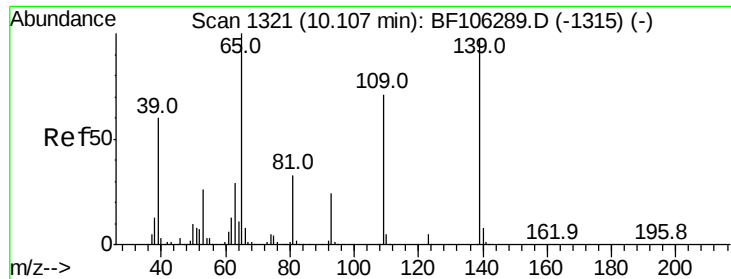
#53
2,4-Dinitrophenol
Concen: 8.882 ng
RT: 10.09 min Scan# 1318
Delta R.T. 0.02 min
Lab File: BF106420.D
Acq: 14 Jun 2018 4:49

Tgt Ion:184 Resp: 562
Ion Ratio Lower Upper
184 100
63 798.2 54.2 81.2#
154 187.8 184.0 276.0



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

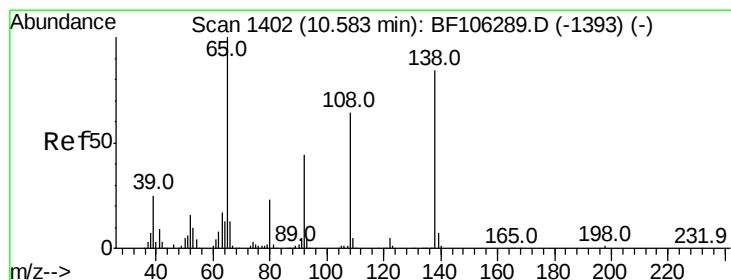
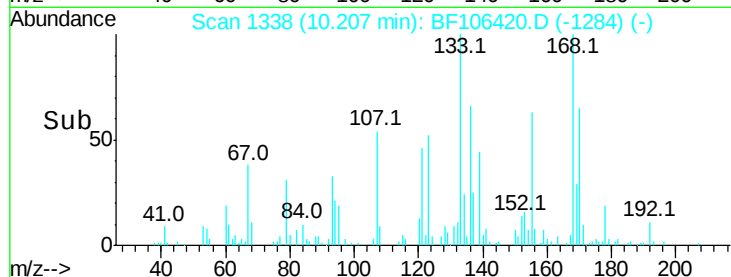
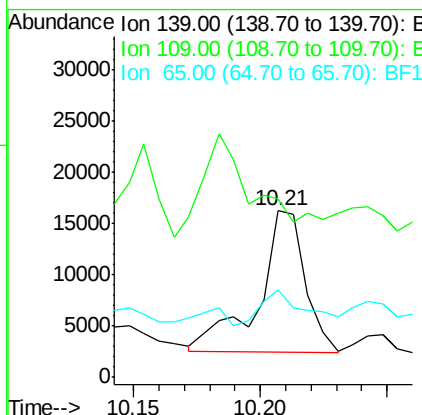
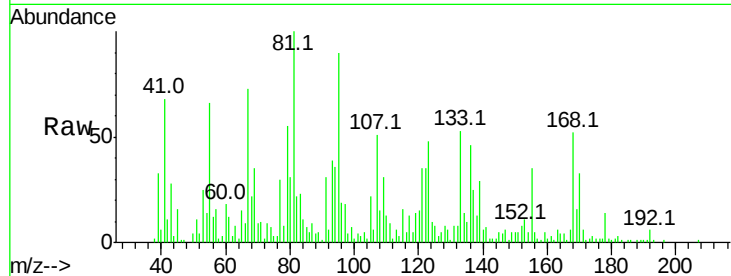




#55
4-Nitrophenol
Concen: 4.828 ng
RT: 10.21 min Scan# 1338
Delta R.T. 0.02 min
Lab File: BF106420.D
Acq: 14 Jun 2018 4:49

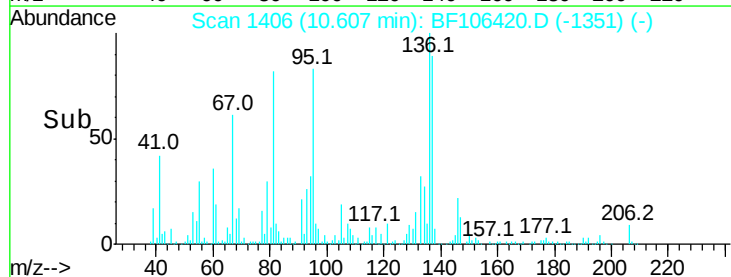
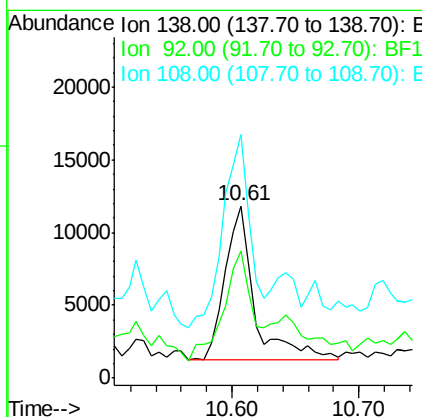
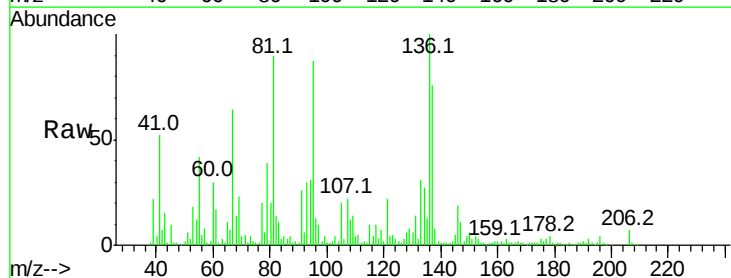
Instrument :
BNA_F
ClientSampleId :

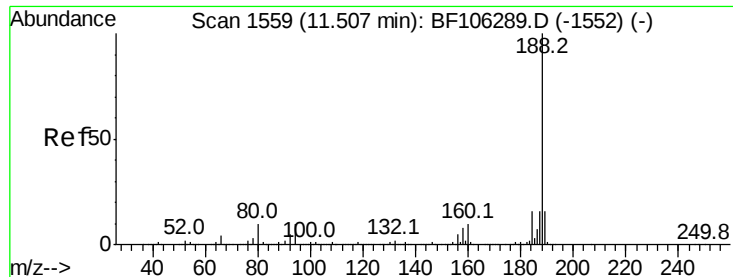
Tot Ion:139 Resp: 17911
Ion Ratio Lower Upper
139 100
109 106.7 48.4 88.4#
65 52.4 72.6 112.6#



#61
4-Nitroaniline
Concen: 3.624 ng
RT: 10.61 min Scan# 1406
Delta R.T. 0.02 min
Lab File: BF106420.D
Acq: 14 Jun 2018 4:49

Tgt Ion:138 Resp: 17064
Ion Ratio Lower Upper
138 100
92 73.9 30.2 70.2#
108 141.1 52.5 92.5#

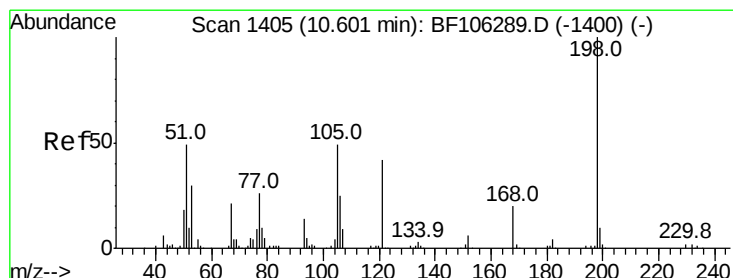
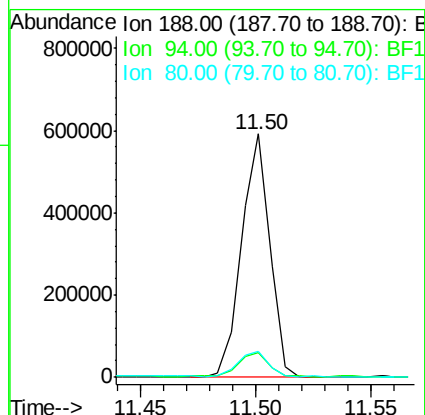
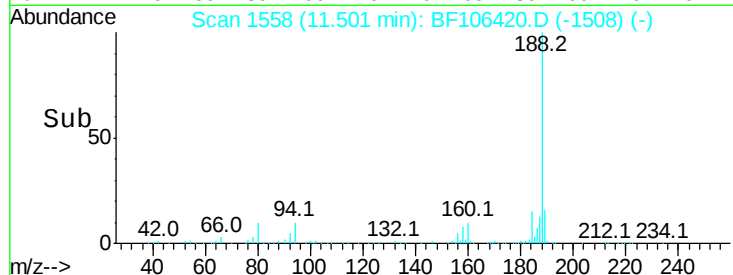
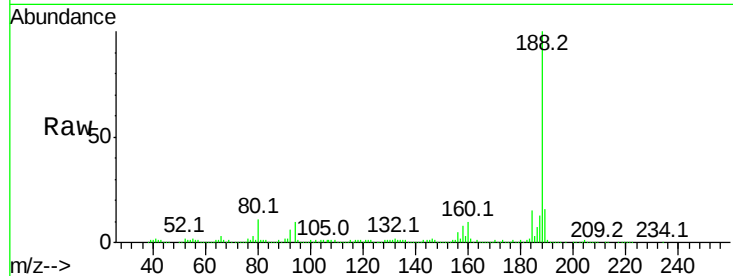




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF106420.D
 Acq: 14 Jun 2018 4:49

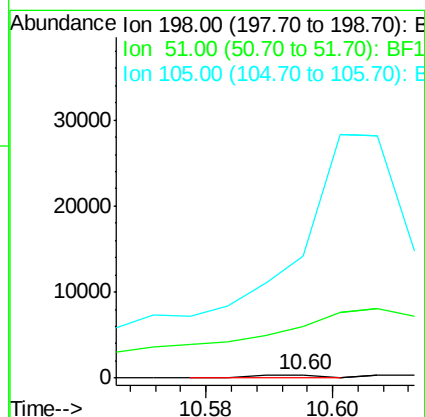
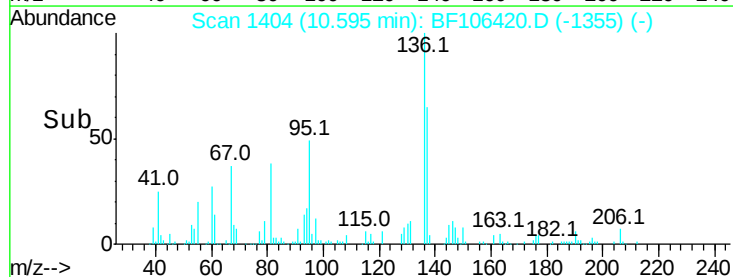
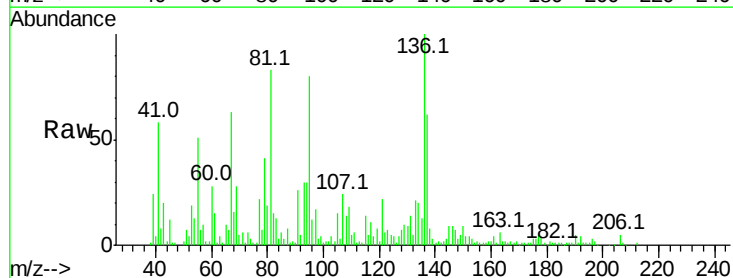
Instrument :
 BNA_F
 ClientSampleId :

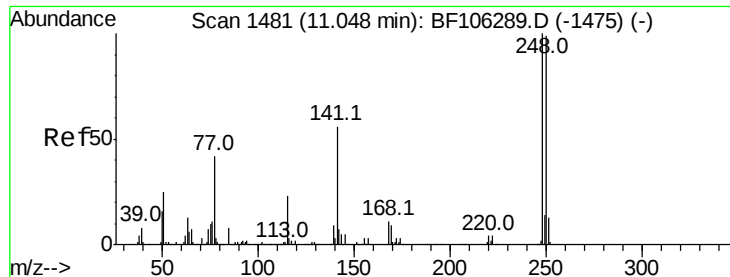
Tot Ion:188 Resp: 502100
 Ion Ratio Lower Upper
 188 100
 94 10.4 8.5 12.7
 80 10.8 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.378 ng
 RT: 10.60 min Scan# 1404
 Delta R.T. -0.01 min
 Lab File: BF106420.D
 Acq: 14 Jun 2018 4:49

Tgt Ion:198 Resp: 260
 Ion Ratio Lower Upper
 198 100
 51 1481.1 37.7 77.7#
 105 3484.3 36.3 76.3#

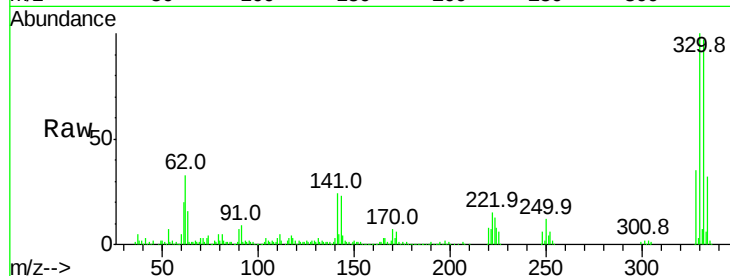




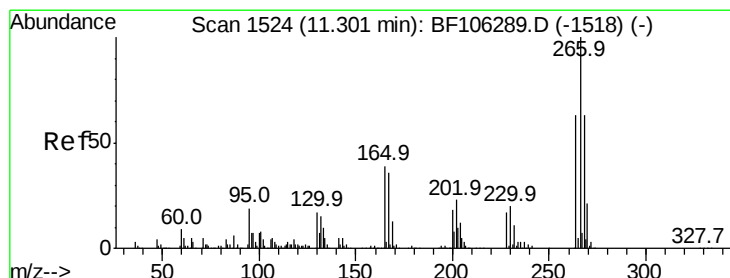
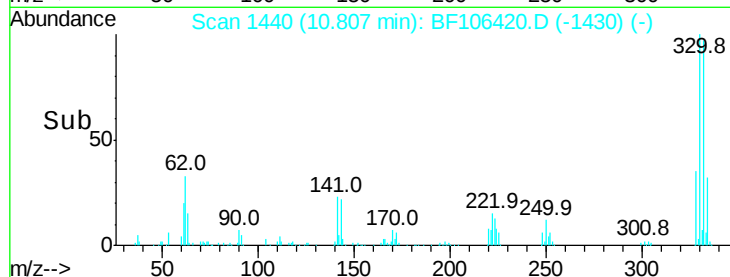
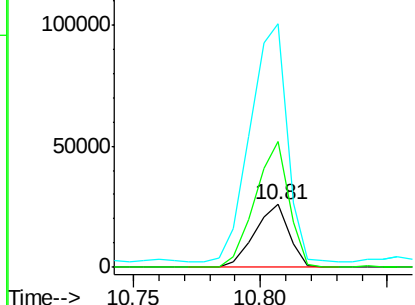
#66
4-Bromophenyl-phenylether
Concen: 4.280 ng
RT: 10.81 min Scan# 1440
Delta R.T. -0.24 min
Lab File: BF106420.D
Acq: 14 Jun 2018 4:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 24443
Ion Ratio Lower Upper
248 100
250 201.2 76.9 115.3#
141 387.4 74.4 111.6#

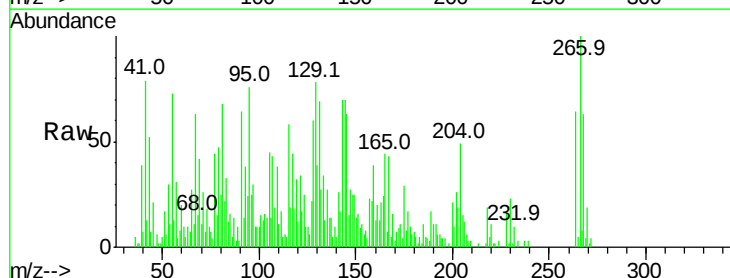


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

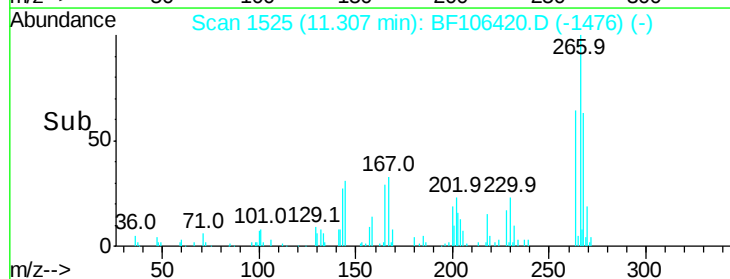
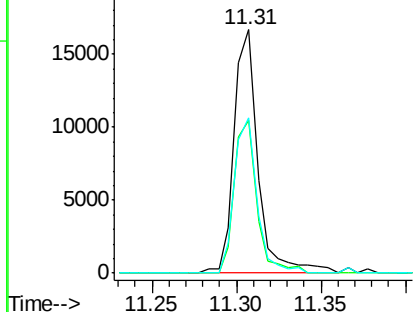


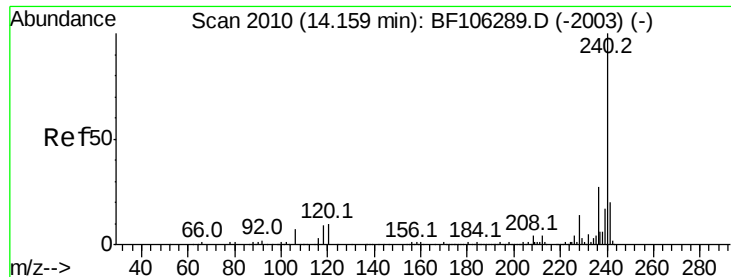
#69
Pentachlorophenol
Concen: 4.539 ng
RT: 11.31 min Scan# 1525
Delta R.T. -0.01 min
Lab File: BF106420.D
Acq: 14 Jun 2018 4:49

Tgt Ion:266 Resp: 16453
Ion Ratio Lower Upper
266 100
268 66.6 51.1 76.7
264 63.6 49.5 74.3



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: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF106420.D

Acq: 14 Jun 2018 4:49

Instrument :

BNA_F

ClientSampleId :

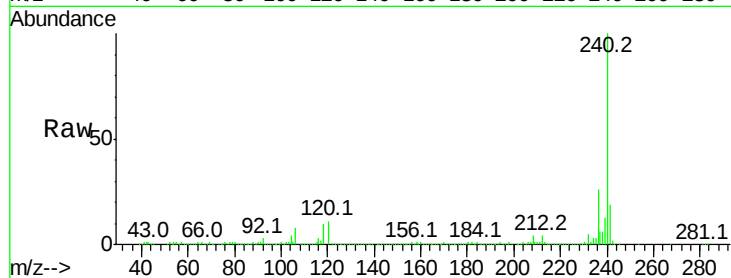
Tot Ion:240 Resp: 395671

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

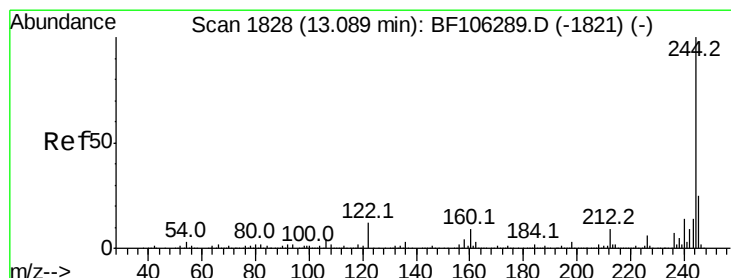
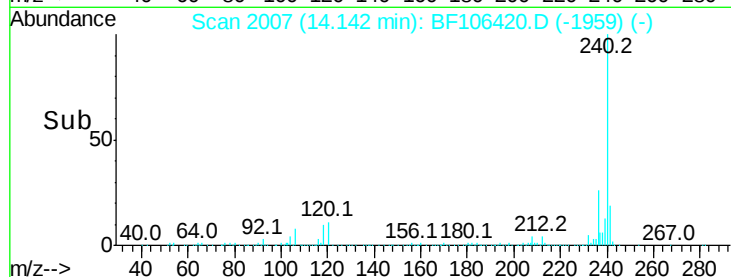
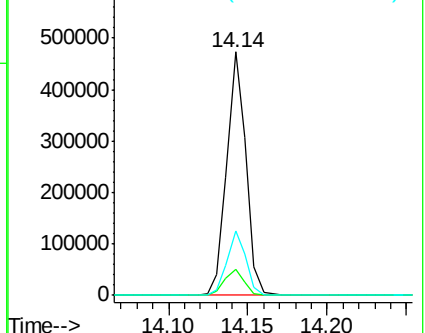
236 26.4 20.7 31.1



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: 83.336 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF106420.D

Acq: 14 Jun 2018 4:49

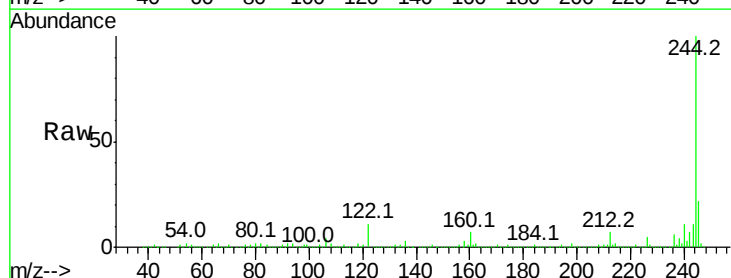
Tgt Ion:244 Resp: 1327558

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

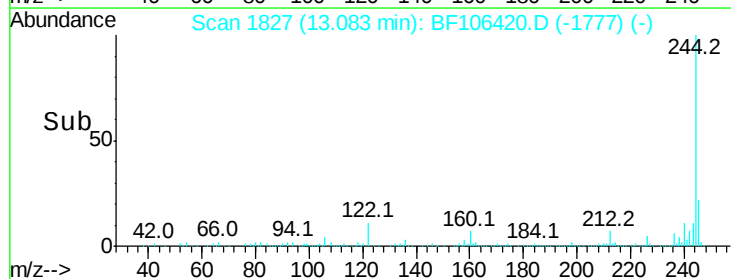
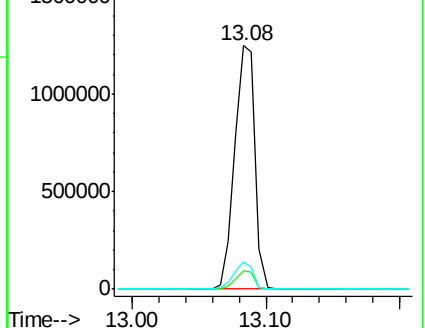
122 11.0 11.0 16.4

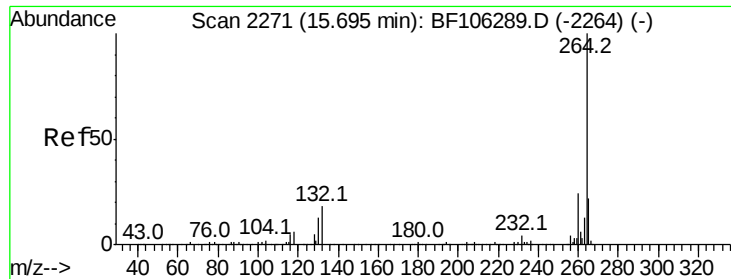


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF106420.D
Acq: 14 Jun 2018 4:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	382971
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	20.9	17.5	26.3

