

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
 Data File : BF098674.D
 Acq On : 20 Sep 2017 21:48
 Operator : SJ/JU
 Sample : I5291-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

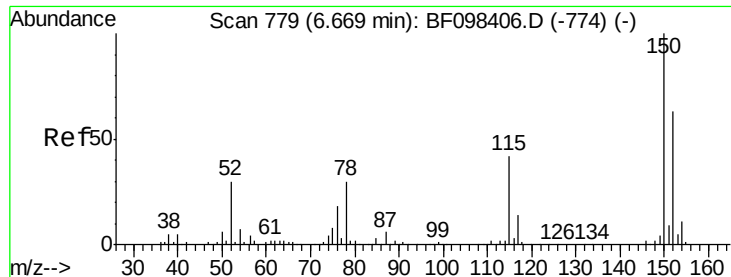
Quant Time: Sep 21 05:23:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 18 13:37:24 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	91789	20.00	ng	-0.01
21) Naphthalene-d8	7.91	136	379019	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	116700	20.00	ng	0.00
63) Phenanthrene-d10	11.17	188	140169	20.00	ng	0.02
75) Chrysene-d12	13.80	240	171202	20.00	ng	0.01
86) Perylene-d12	15.18	264	153626	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	140180	22.58	ng	-0.01
7) Phenol-d6	6.28	99	179902	22.82	ng	-0.01
23) Nitrobenzene-d5	7.19	82	115722	17.02	ng	-0.02
41) 2,4,6-Tribromophenol	10.46	330	20747	26.64	ng	0.00
44) 2-Fluorobiphenyl	8.98	172	191690	27.84	ng	-0.02
78) Terphenyl-d14	12.76	244	119047	15.01	ng	0.02

Target Compounds						Qvalue
31) Naphthalene	7.94	128	3012517	160.78	ng	99
32) Benzoic acid	7.72	122	530	8.08	ng	# 1
33) 4-Chloroaniline	7.94	127	423369	55.60	ng	# 35
35) Caprolactam	8.33	113	4035	2.36	ng	# 1
37) 2-Methylnaphthalene	8.64	142	3129635	275.75	ng	97
45) 1,1'-Biphenyl	9.09	154	91032	8.72	ng	99
49) Dimethylphthalate	9.39	163	34970	3.87	ng	# 85
50) 2,6-Dinitrotoluene	9.46	165	6979	3.76	ng	# 68
52) 3-Nitroaniline	9.63	138	5323	2.38	ng	# 26
53) 2,4-Dinitrophenol	9.75	184	380	8.91	ng	# 1
55) 4-Nitrophenol	9.77	139	10843	8.43	ng	# 1
56) 2,4-Dinitrotoluene	9.87	165	6731	2.98	ng	# 60
57) Fluorene	10.22	166	26200	3.41	ng	# 56
59) Diethylphthalate	10.07	149	21103	2.46	ng	# 50
60) 4-Chlorophenyl-phenylether	10.22	204	7758	2.18	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.27	198	1108	6.12	ng	# 1
65) n-Nitrosodiphenylamine	10.33	169	26531	5.83	ng	# 70
68) Atrazine	10.89	200	5557	3.97	ng	# 1
69) Pentachlorophenol	10.99	266	831	8.21	ng	# 9
73) Di-n-butylphthalate	11.72	149	21068	2.47	ng	# 29
83) Bis(2-ethylhexyl)phthalate	13.77	149	39416	5.36	ng	# 93

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

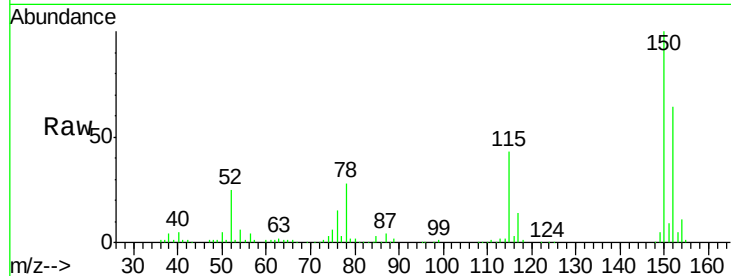


#1

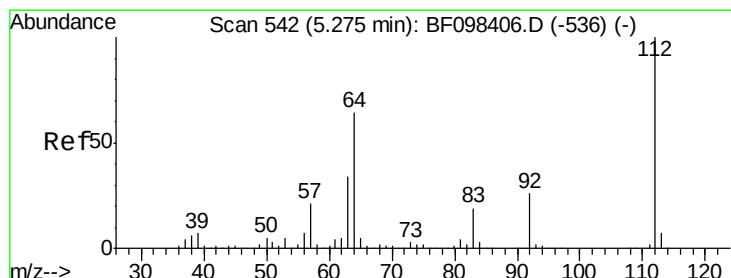
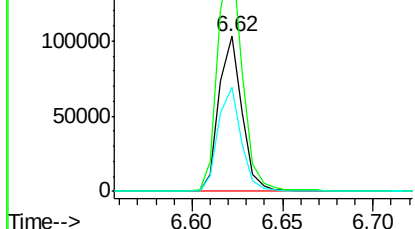
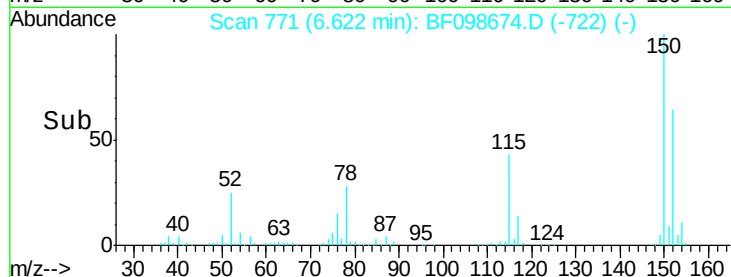
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 771
Delta R.T. -0.01 min
Lab File: BF098674.D
Acq: 20 Sep 2017 21:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 91789
Ion Ratio Lower Upper
152 100
150 157.2 126.2 189.2
115 67.0 52.2 78.2



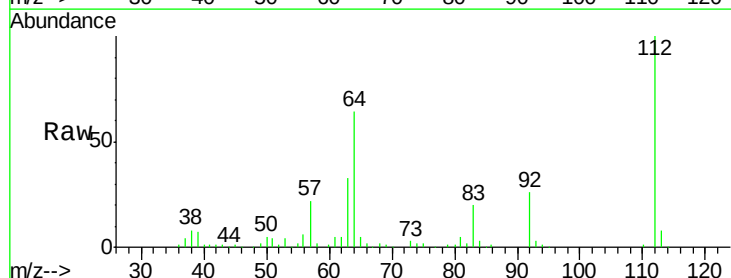
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



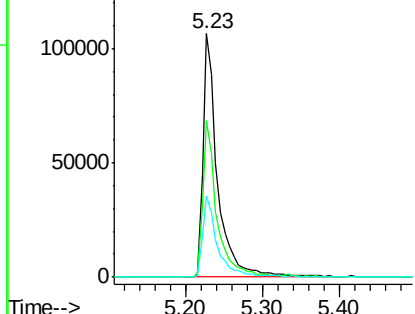
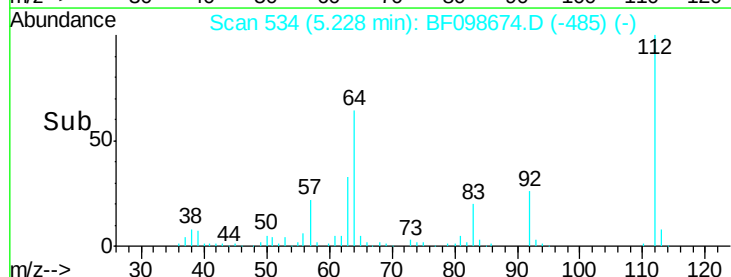
#5

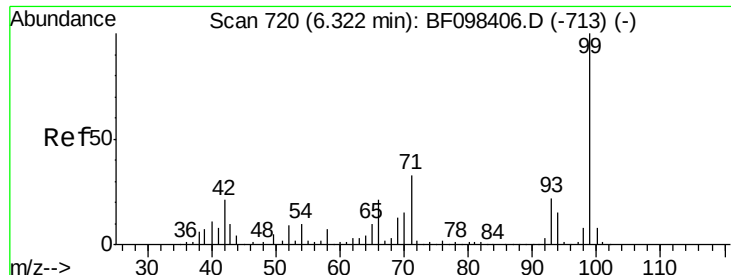
2-Fluorophenol
Concen: 22.58 ng
RT: 5.23 min Scan# 534
Delta R.T. -0.01 min
Lab File: BF098674.D
Acq: 20 Sep 2017 21:48

Tgt Ion:112 Resp: 140180
Ion Ratio Lower Upper
112 100
64 64.4 46.0 69.0
63 33.4 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: 22.82 ng

RT: 6.28 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF098674.D

Acq: 20 Sep 2017 21:48

Instrument :

BNA_F

ClientSampleId :

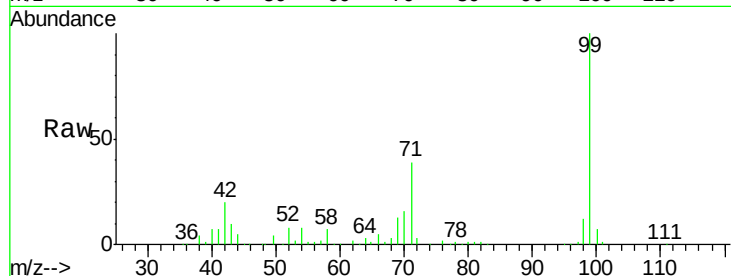
Tot Ion: 99 Resp: 179902

Ion Ratio Lower Upper

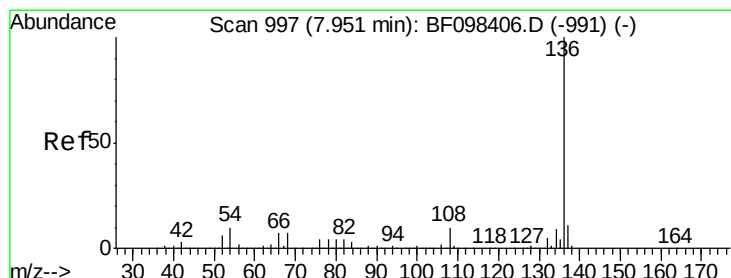
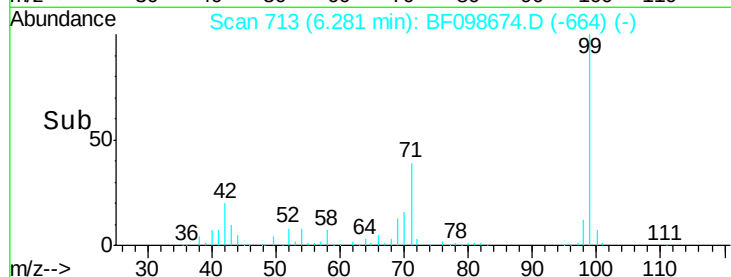
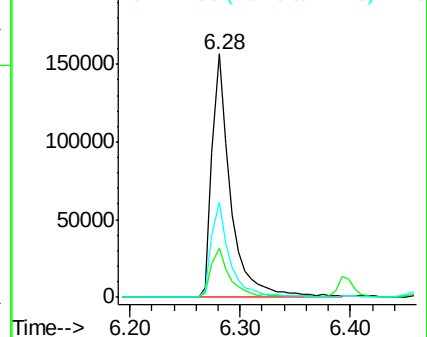
99 100

42 20.0 13.5 20.3

71 39.1 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 990

Delta R.T. -0.01 min

Lab File: BF098674.D

Acq: 20 Sep 2017 21:48

Tgt Ion: 136 Resp: 379019

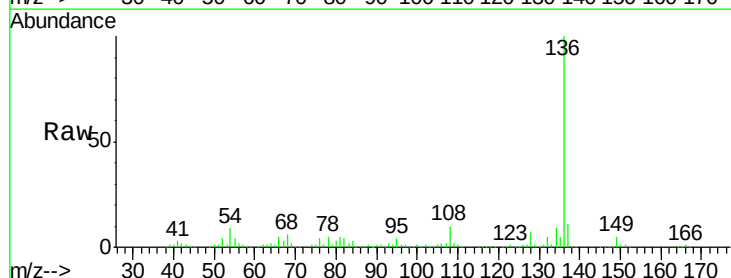
Ion Ratio Lower Upper

136 100

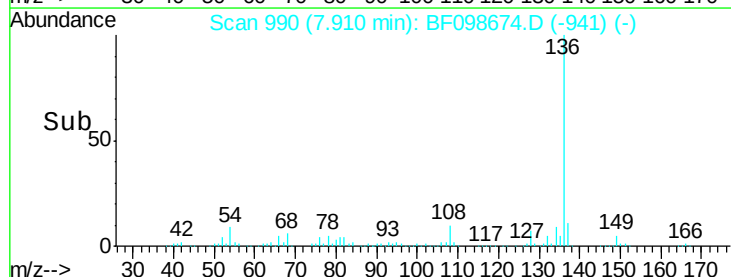
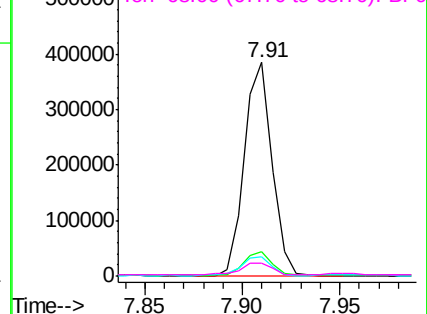
137 11.2 8.5 12.7

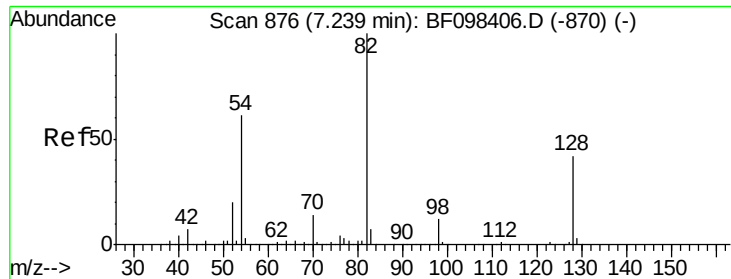
54 8.8 4.9 7.3#

68 5.9 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

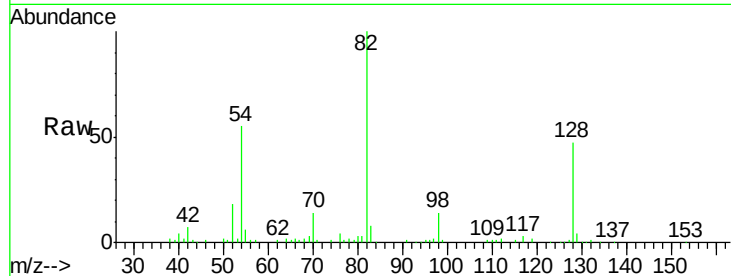




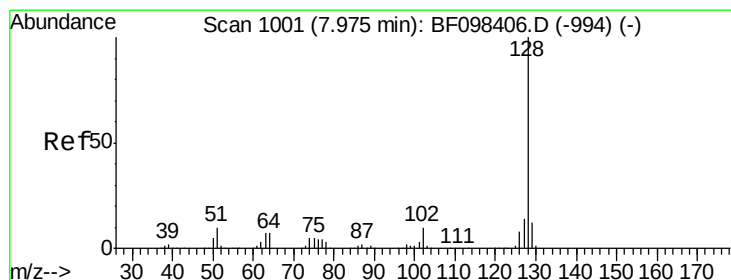
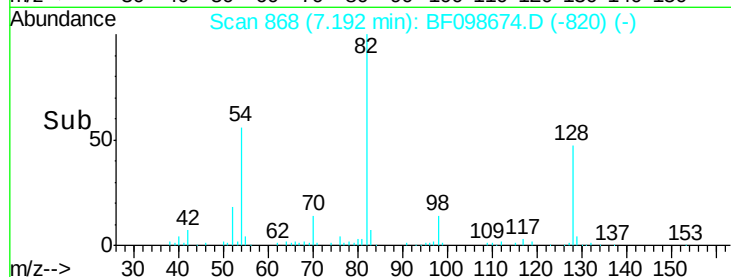
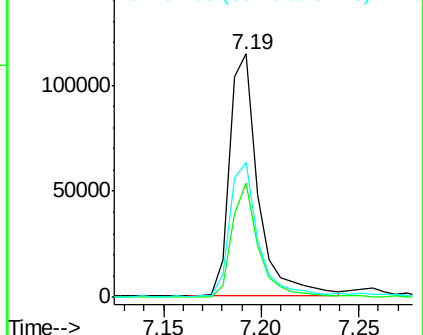
#23
Nitrobenzene-d5
Concen: 17.02 ng
RT: 7.19 min Scan# 868
Delta R.T. -0.02 min
Lab File: BF098674.D
Acq: 20 Sep 2017 21:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 115722
Ion Ratio Lower Upper
82 100
128 47.0 34.0 51.0
54 55.5 42.2 63.2

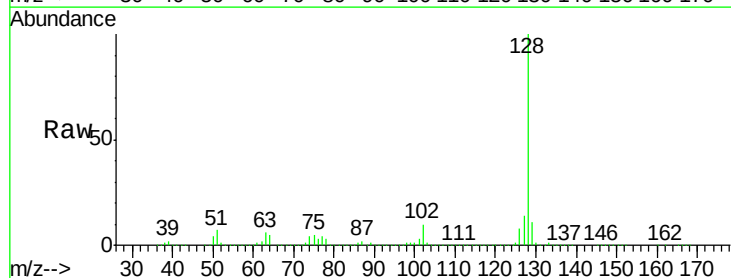


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

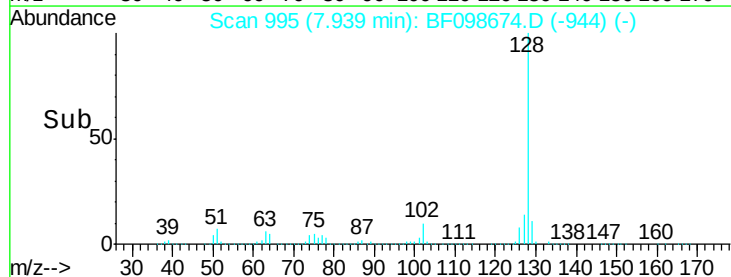
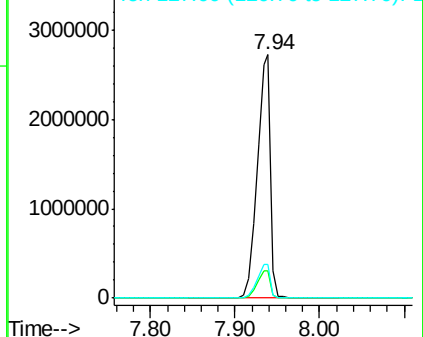


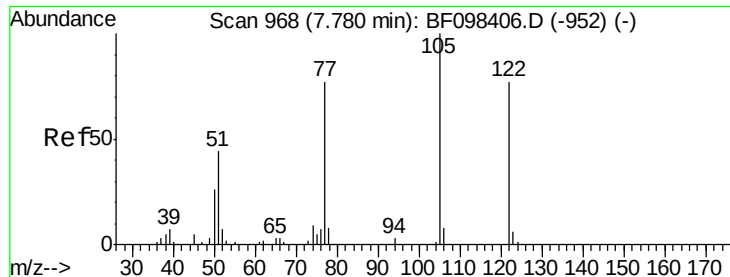
#31
Naphthalene
Concen: 160.78 ng
RT: 7.94 min Scan# 995
Delta R.T. -0.00 min
Lab File: BF098674.D
Acq: 20 Sep 2017 21:48

Tgt Ion: 128 Resp: 3012517
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 14.0 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 8.08 ng

RT: 7.72 min Scan# 958

Delta R.T. -0.03 min

Lab File: BF098674.D

Acq: 20 Sep 2017 21:48

Instrument :

BNA_F

ClientSampleId :

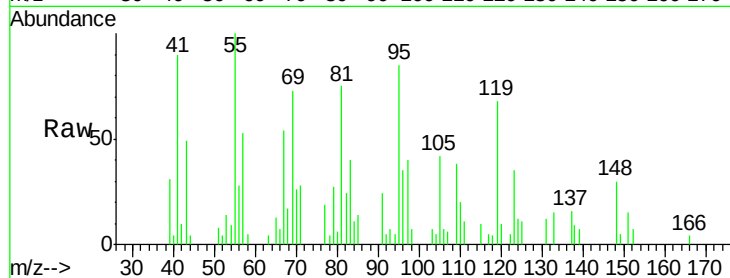
Tot Ion:122 Resp: 530

Ion Ratio Lower Upper

122 100

105 800.2 103.3 143.3#

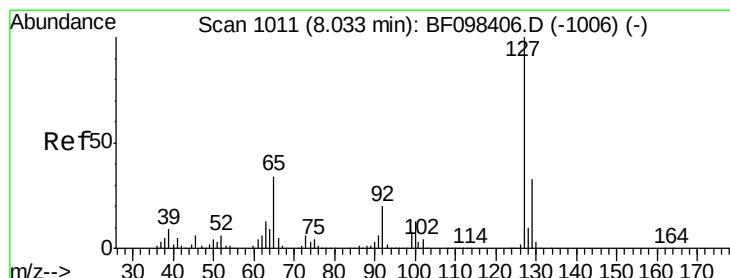
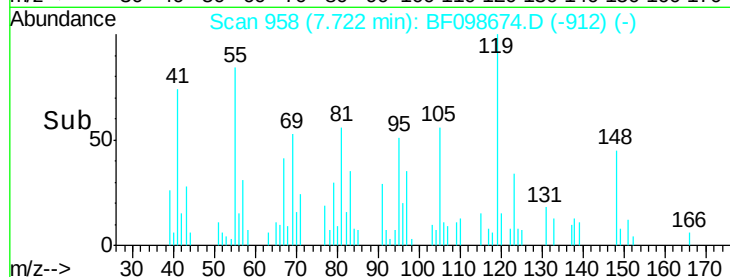
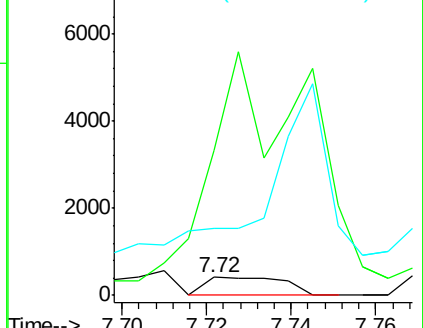
77 370.4 73.7 113.7#



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): BF0



#33

4-Chloroaniline

Concen: 55.60 ng

RT: 7.94 min Scan# 995

Delta R.T. -0.06 min

Lab File: BF098674.D

Acq: 20 Sep 2017 21:48

Tgt Ion:127 Resp: 423369

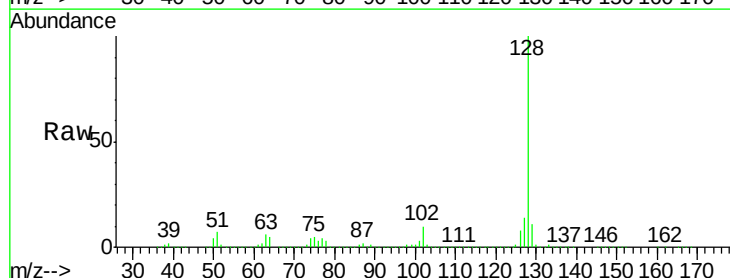
Ion Ratio Lower Upper

127 100

129 79.8 26.2 39.2#

65 0.0 27.8 41.8#

92 0.1 16.8 25.2#

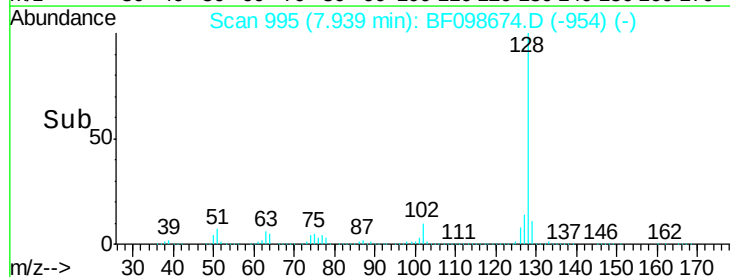
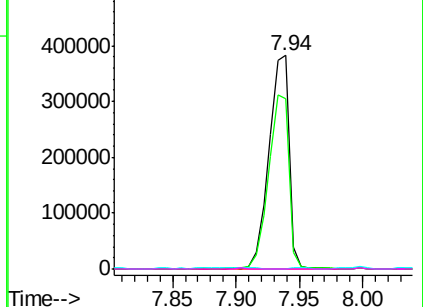


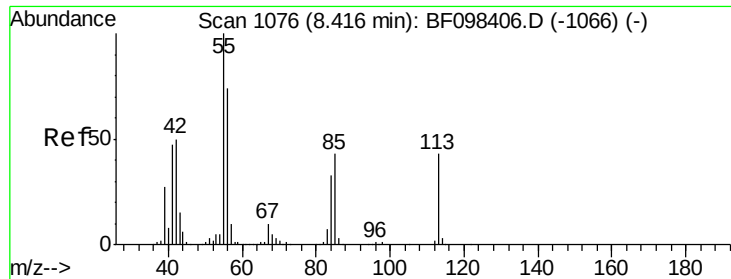
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#35

Caprolactam

Concen: 2.36 ng

RT: 8.33 min Scan# 1062

Delta R.T. -0.05 min

Lab File: BF098674.D

Acq: 20 Sep 2017 21:48

Instrument :

BNA_F

ClientSampleId :

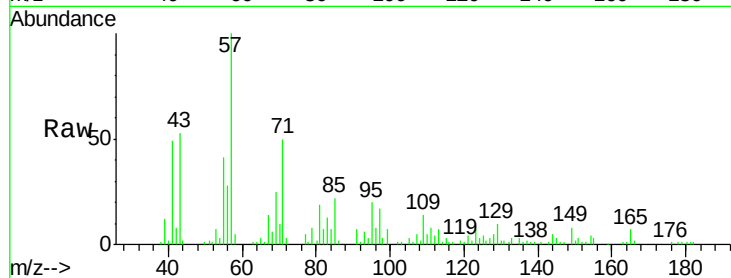
Tot Ion:113 Resp: 4035

Ion Ratio Lower Upper

113 100

55 612.8 150.2 190.2#

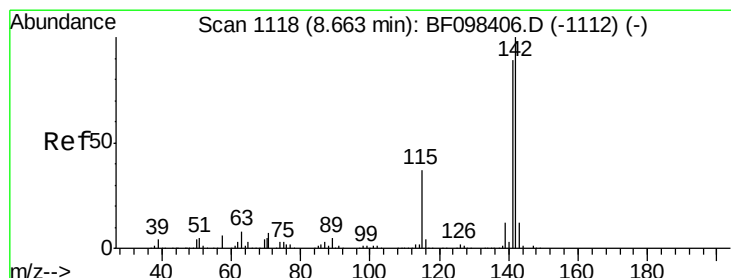
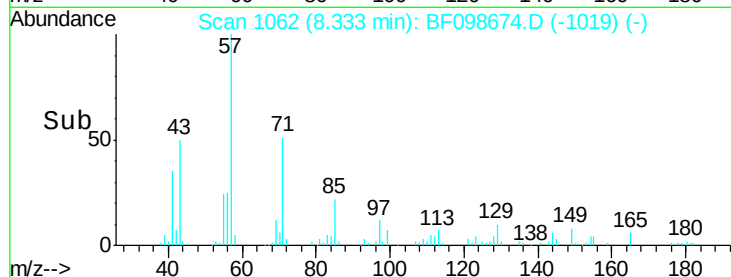
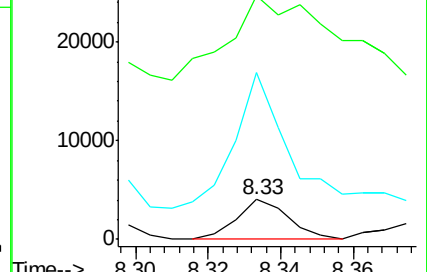
56 419.4 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 275.75 ng

RT: 8.64 min Scan# 1114

Delta R.T. 0.01 min

Lab File: BF098674.D

Acq: 20 Sep 2017 21:48

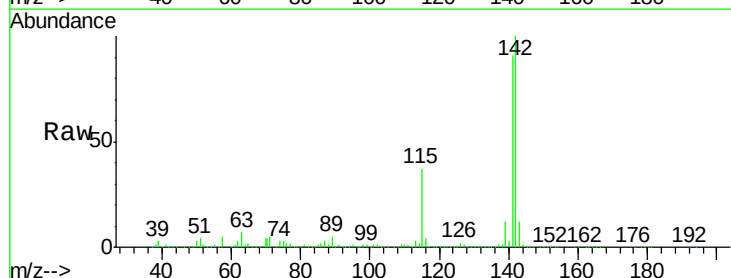
Tgt Ion:142 Resp: 3129635

Ion Ratio Lower Upper

142 100

141 91.1 71.3 106.9

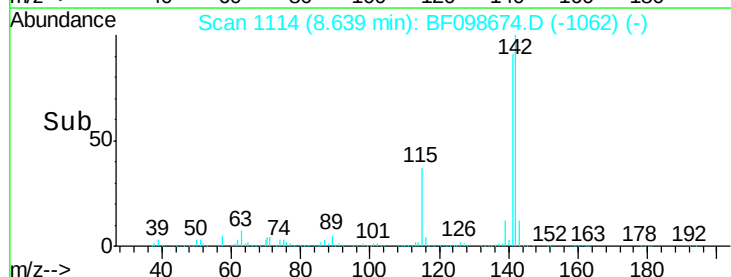
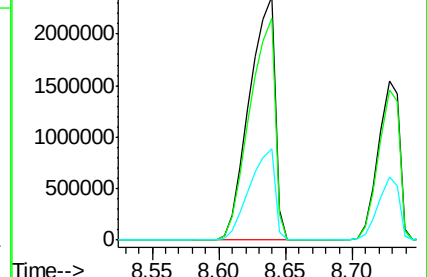
115 37.5 27.1 40.7

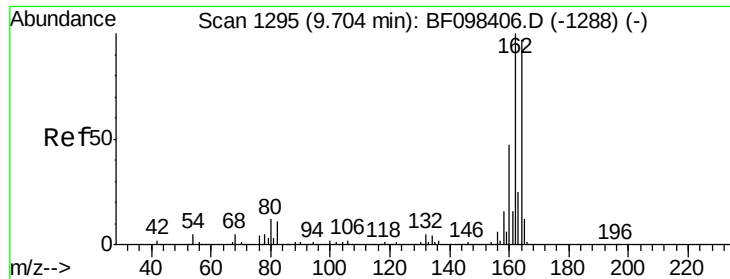


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BF098674.D

Acq: 20 Sep 2017 21:48

Instrument :

BNA_F

ClientSampleId :

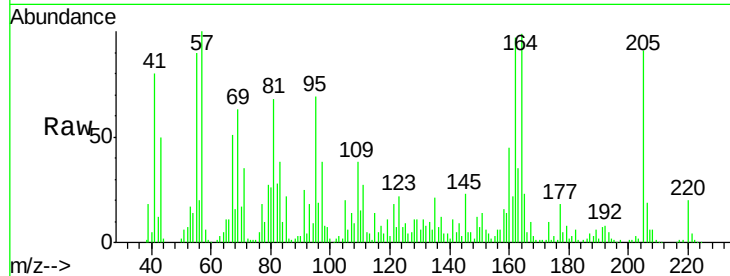
Tot Ion:164 Resp: 116700

Ion Ratio Lower Upper

164 100

162 98.4 82.6 123.8

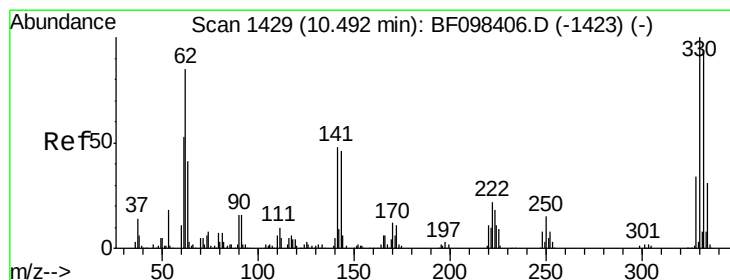
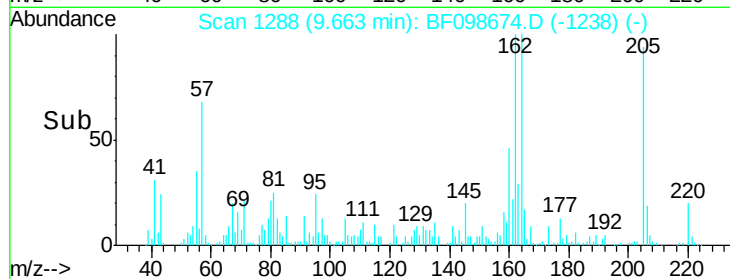
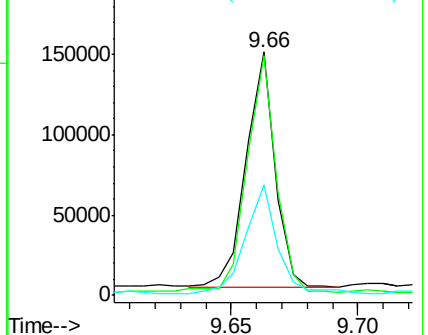
160 45.3 36.2 54.2



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: 26.64 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.00 min

Lab File: BF098674.D

Acq: 20 Sep 2017 21:48

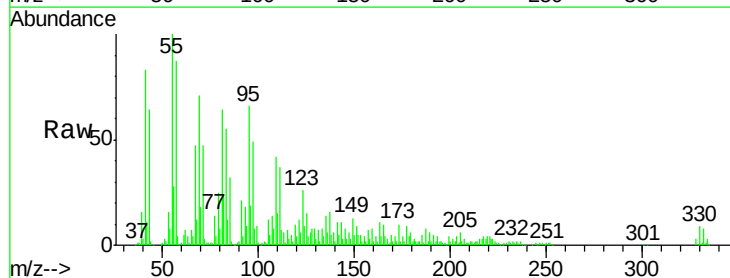
Tgt Ion:330 Resp: 20747

Ion Ratio Lower Upper

330 100

332 88.0 76.6 115.0

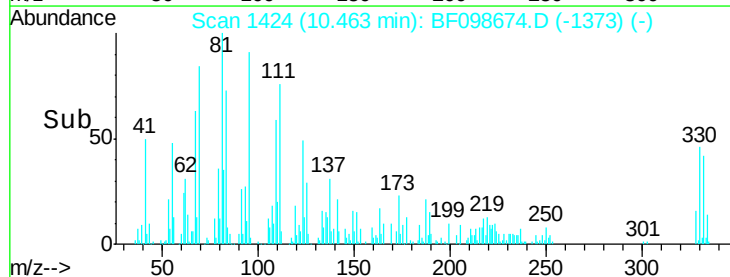
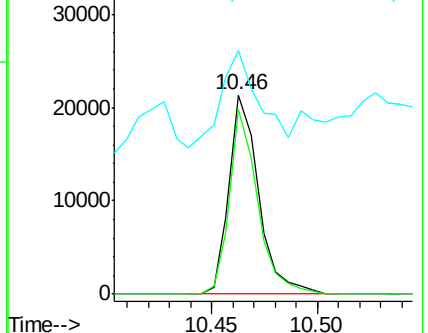
141 62.6 31.4 47.2#

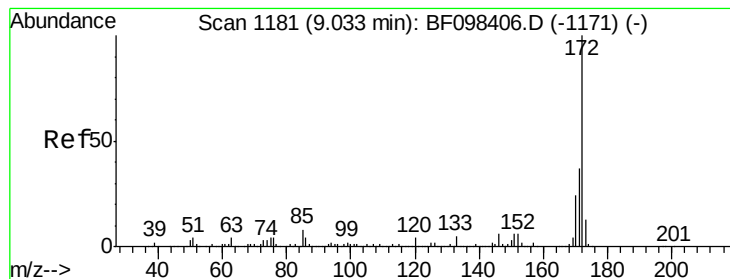


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

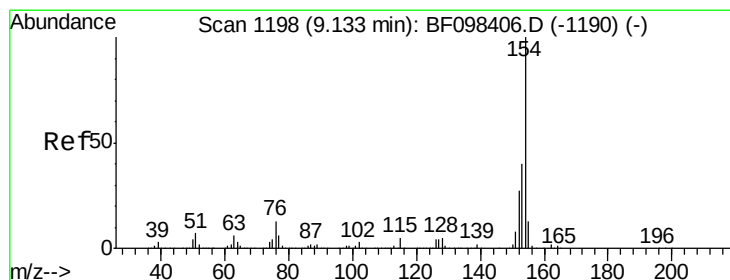
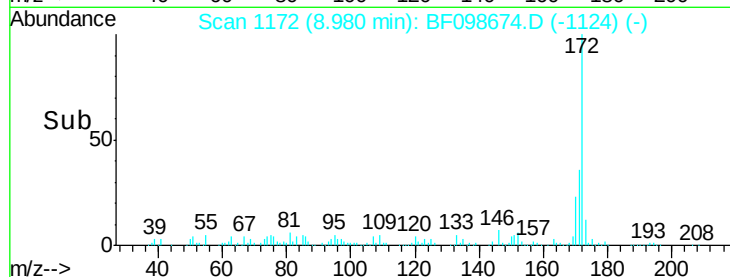
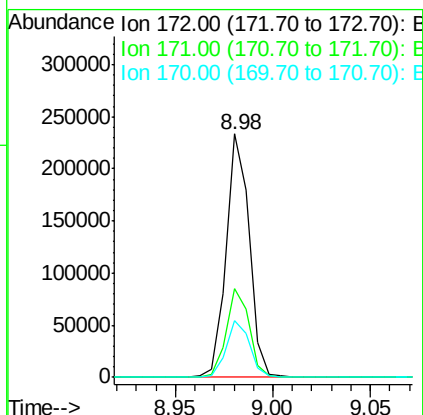
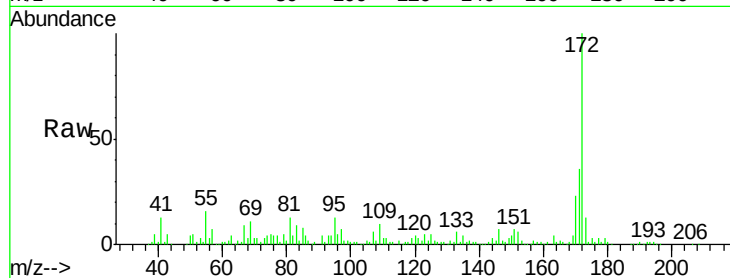




#44
 2-Fluorobiphenyl
 Concen: 27.84 ng
 RT: 8.98 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: BF098674.D
 Acq: 20 Sep 2017 21:48

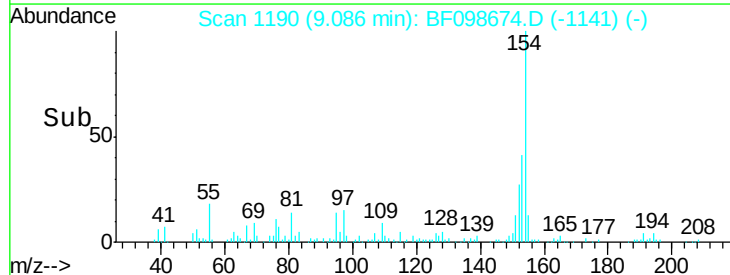
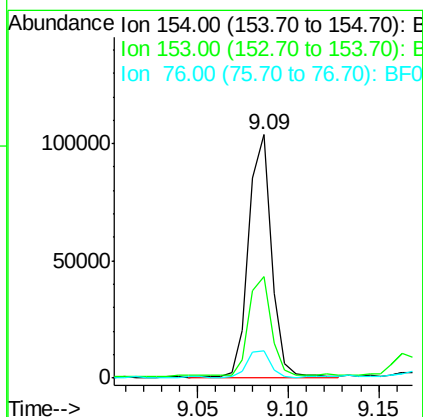
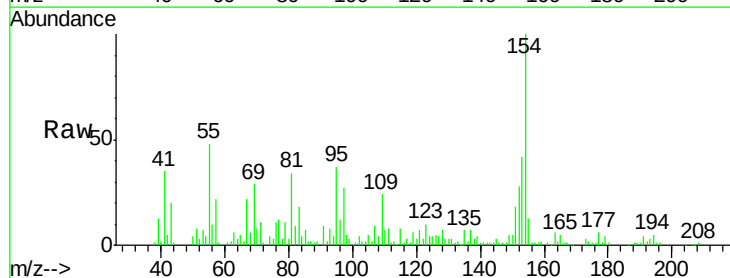
Instrument :
 BNA_F
 ClientSampleId :

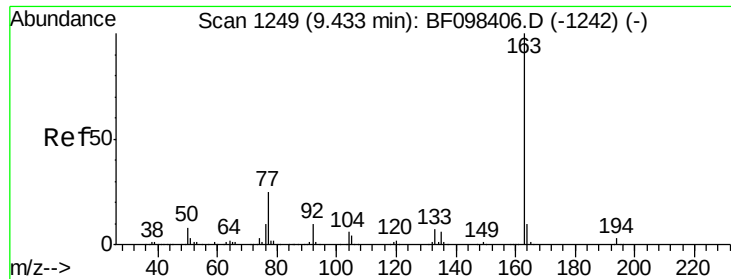
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	23.2	19.8	29.8



#45
 1,1'-Biphenyl
 Concen: 8.72 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF098674.D
 Acq: 20 Sep 2017 21:48

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.5	21.2	61.2
76	11.2	0.0	29.9

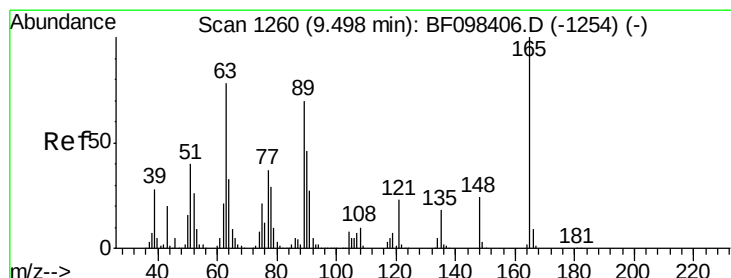
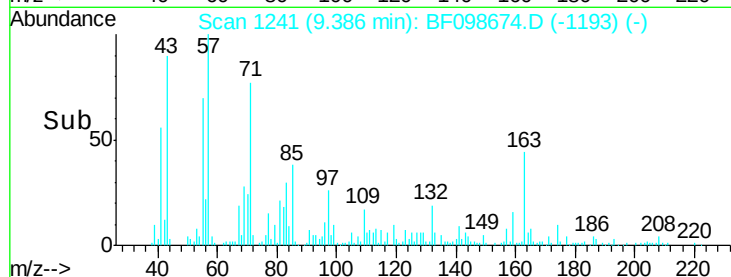
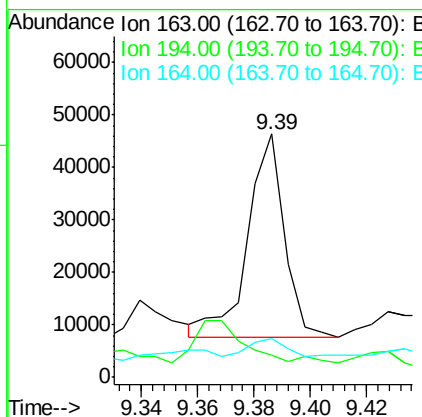
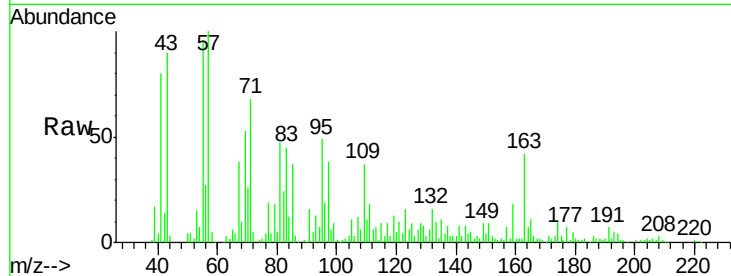




#49
Dimethylphthalate
Concen: 3.87 ng
RT: 9.39 min Scan# 1241
Delta R.T. -0.02 min
Lab File: BF098674.D
Acq: 20 Sep 2017 21:48

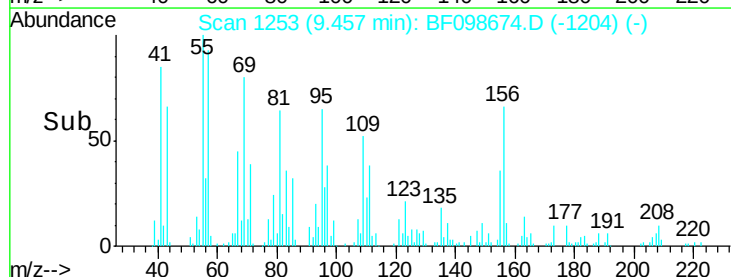
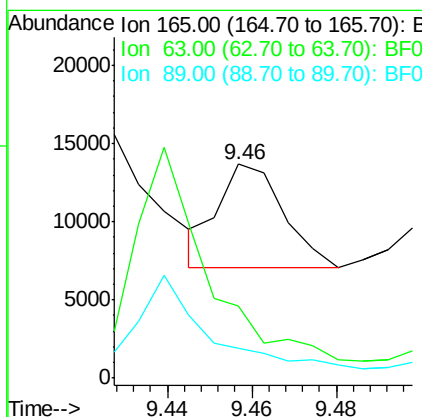
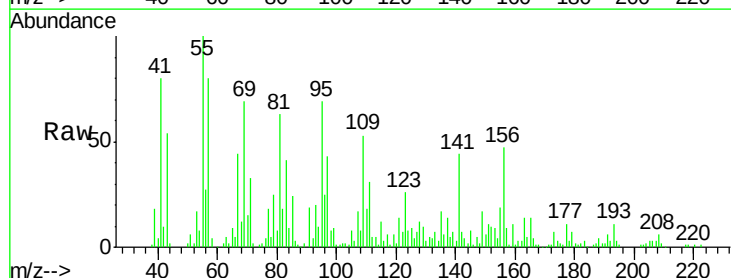
Instrument :
BNA_F
ClientSampled :

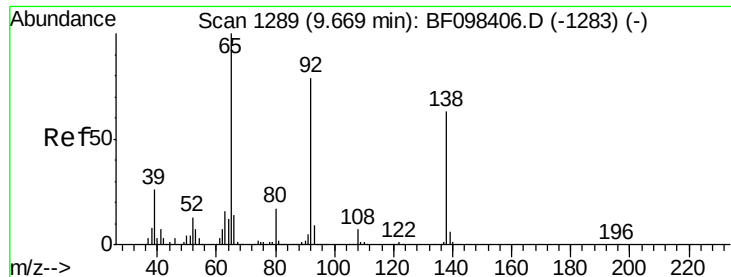
Tot Ion:163 Resp: 34970
Ion Ratio Lower Upper
163 100
194 8.9 2.6 4.0#
164 15.8 8.4 12.6#



#50
2,6-Dinitrotoluene
Concen: 3.76 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF098674.D
Acq: 20 Sep 2017 21:48

Tgt Ion:165 Resp: 6979
Ion Ratio Lower Upper
165 100
63 33.5 34.3 51.5#
89 14.2 37.1 55.7#





#52

3-Nitroaniline

Concen: 2.38 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF098674.D

Acq: 20 Sep 2017 21:48

Instrument :

BNA_F

ClientSampled :

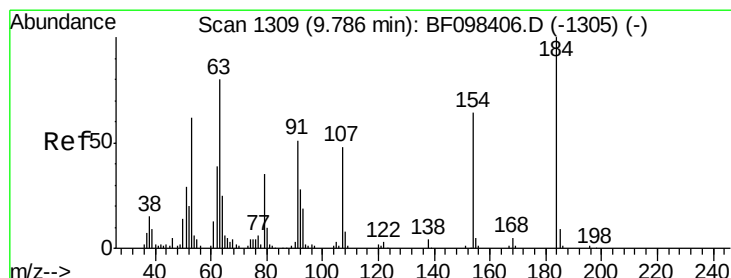
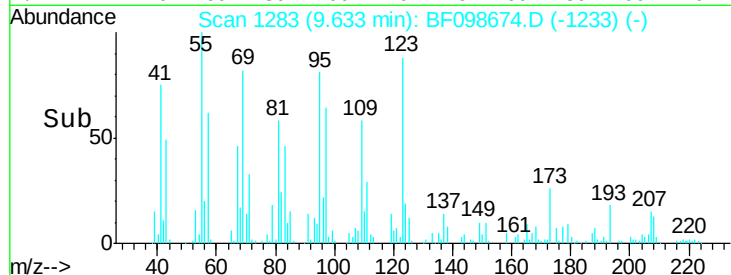
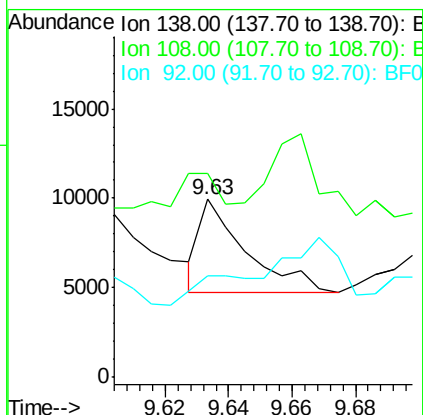
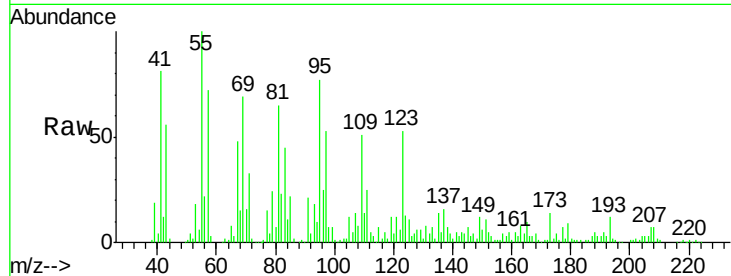
Tot Ion:138 Resp: 5323

Ion Ratio Lower Upper

138 100

108 114.6 9.1 13.7#

92 57.2 93.8 140.6#



#53

2,4-Dinitrophenol

Concen: 8.91 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF098674.D

Acq: 20 Sep 2017 21:48

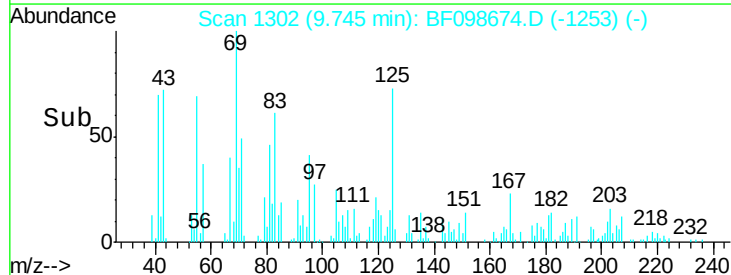
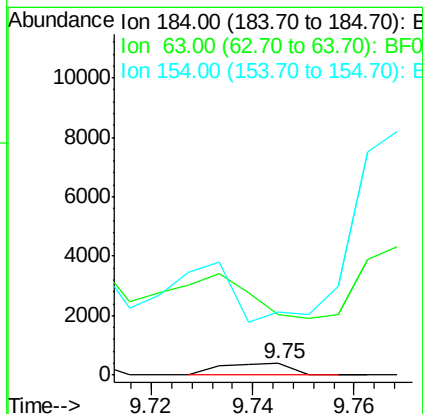
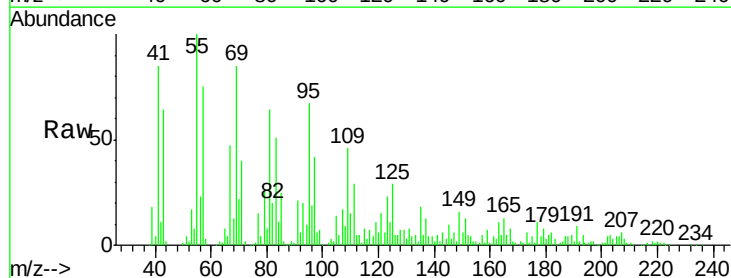
Tgt Ion:184 Resp: 380

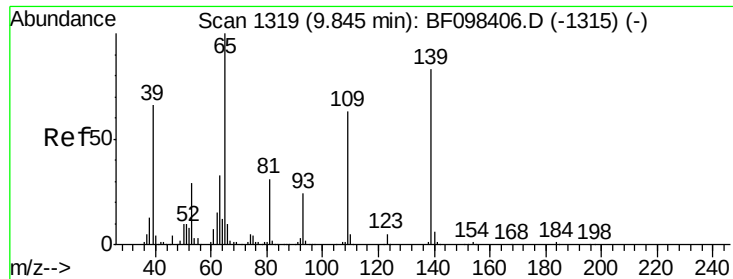
Ion Ratio Lower Upper

184 100

63 521.4 62.7 94.1#

154 541.1 81.1 121.7#

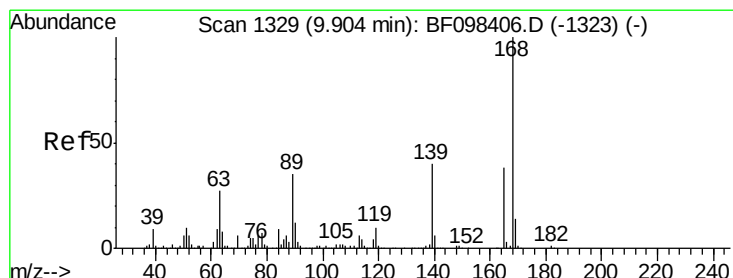
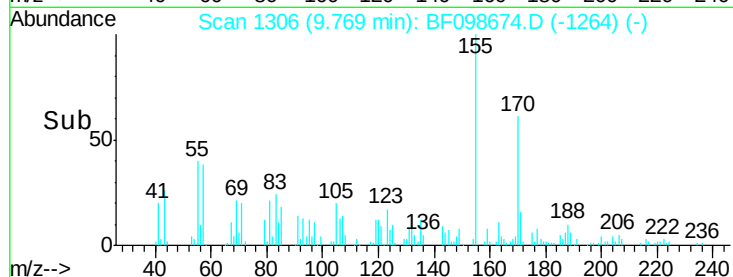
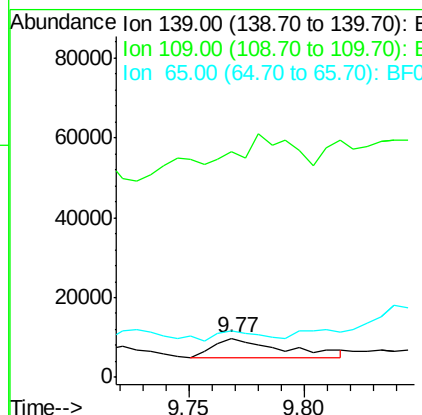
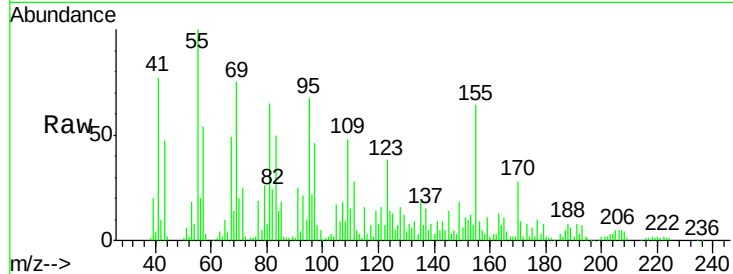




#55
4-Nitrophenol
Concen: 8.43 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.05 min
Lab File: BF098674.D
Acq: 20 Sep 2017 21:48

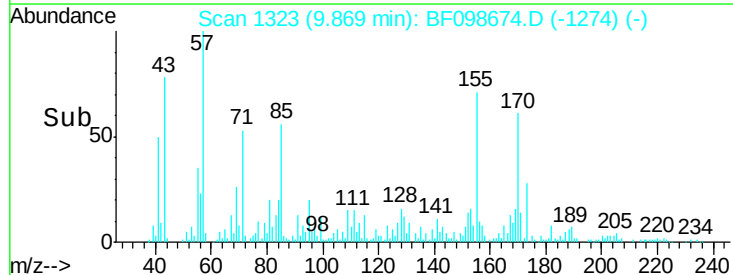
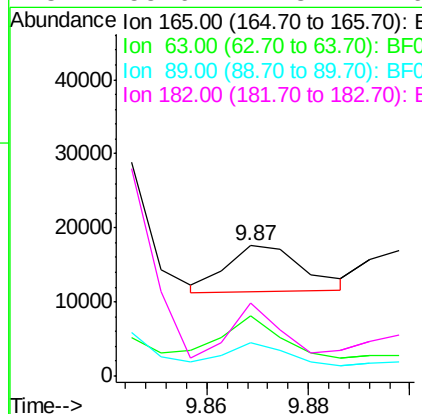
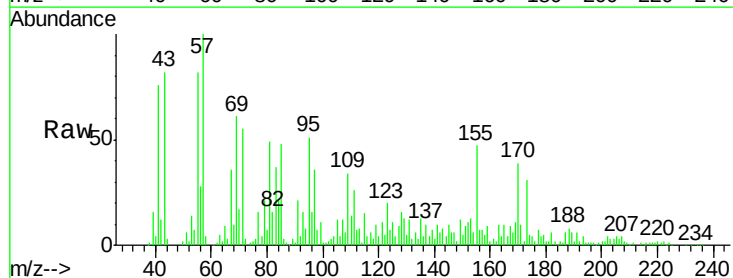
Instrument :
BNA_F
ClientSampleId :

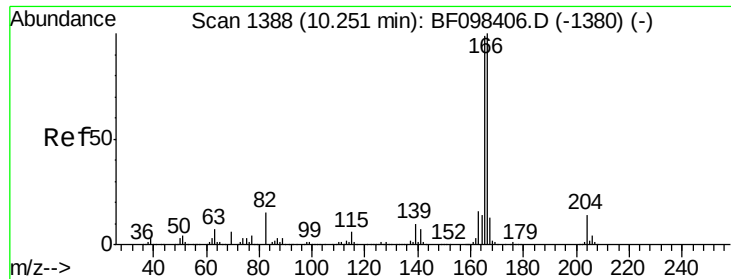
Tot Ion:139 Resp: 10843
Ion Ratio Lower Upper
139 100
109 578.3 34.1 74.1#
65 118.8 31.4 71.4#



#56
2,4-Dinitrotoluene
Concen: 2.98 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF098674.D
Acq: 20 Sep 2017 21:48

Tgt Ion:165 Resp: 6731
Ion Ratio Lower Upper
165 100
63 46.1 25.4 38.0#
89 25.9 46.4 69.6#
182 55.6 1.8 2.6#





#57

Fluorene

Concen: 3.41 ng

RT: 10.22 min Scan# 1382

Delta R.T. -0.00 min

Lab File: BF098674.D

Acq: 20 Sep 2017 21:48

Instrument :

BNA_F

ClientSampleId :

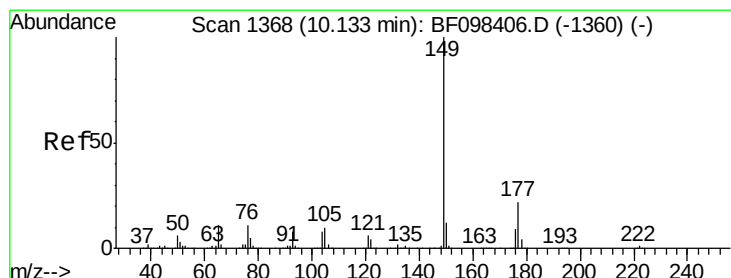
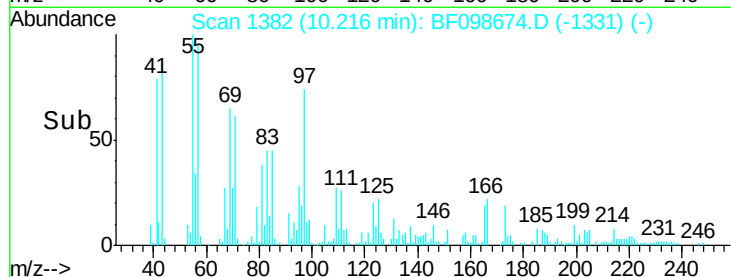
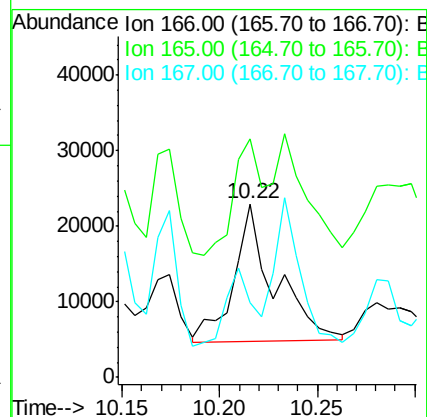
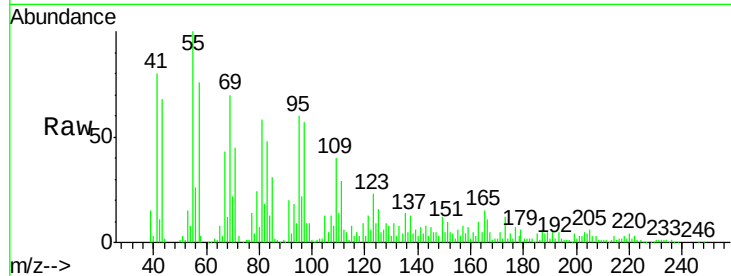
Tot Ion:166 Resp: 26200

Ion Ratio Lower Upper

166 100

165 137.6 78.8 118.2#

167 42.9 10.6 16.0#



#59

Diethylphthalate

Concen: 2.46 ng

RT: 10.07 min Scan# 1357

Delta R.T. -0.03 min

Lab File: BF098674.D

Acq: 20 Sep 2017 21:48

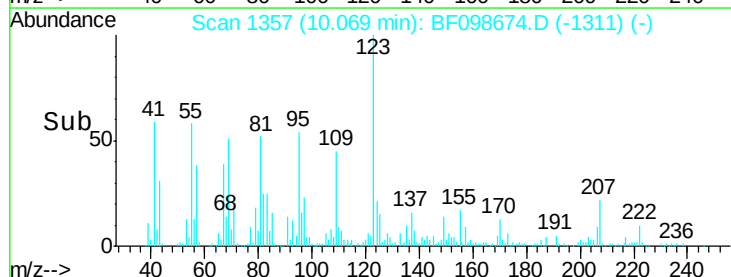
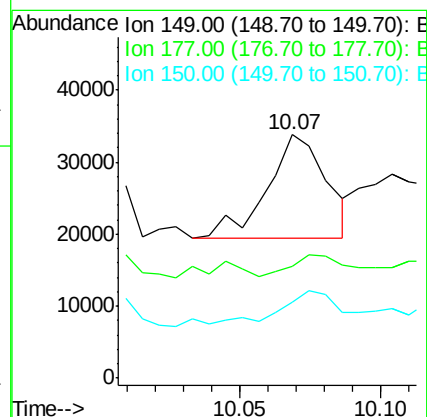
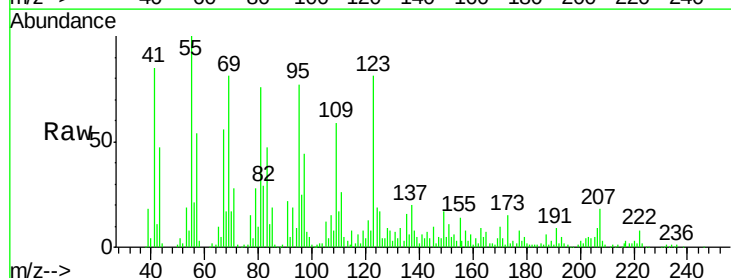
Tgt Ion:149 Resp: 21103

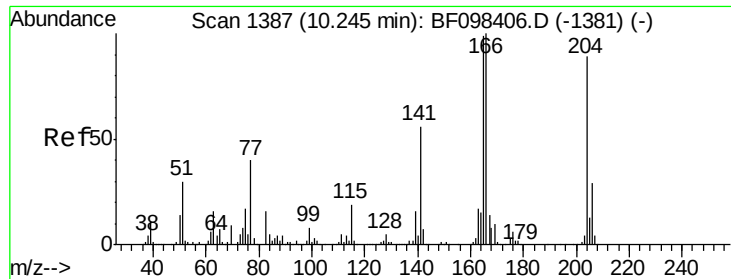
Ion Ratio Lower Upper

149 100

177 45.7 16.7 25.1#

150 31.0 10.2 15.2#

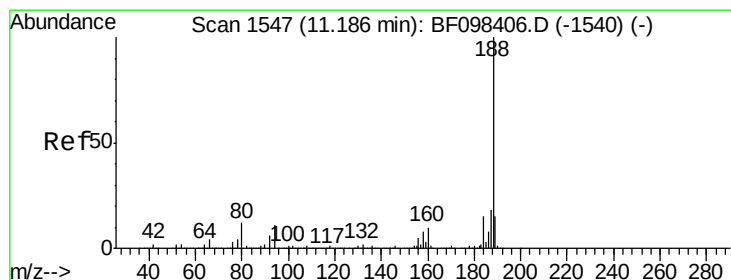
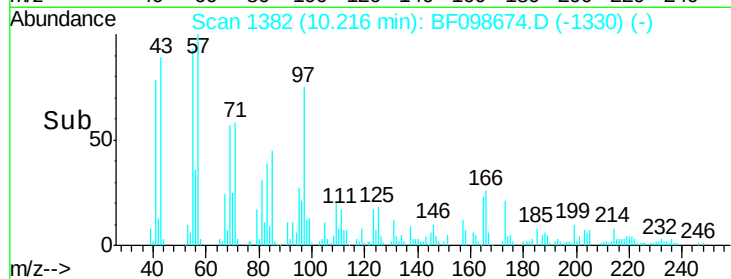
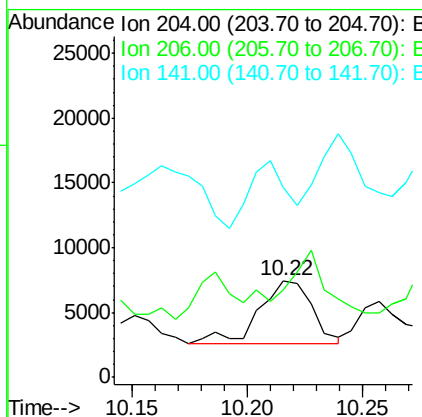
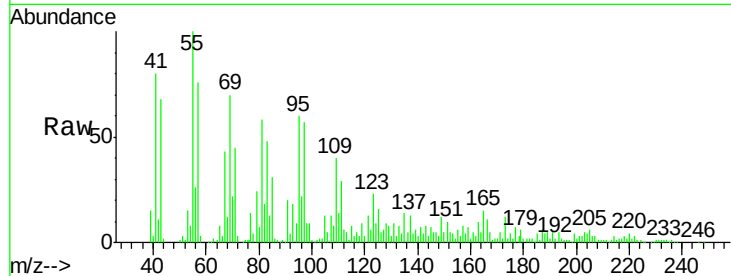




#60
4-Chlorophenyl-phenylether
Concen: 2.18 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.01 min
Lab File: BF098674.D
Acq: 20 Sep 2017 21:48

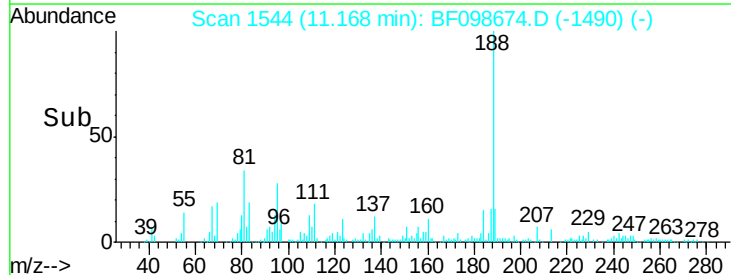
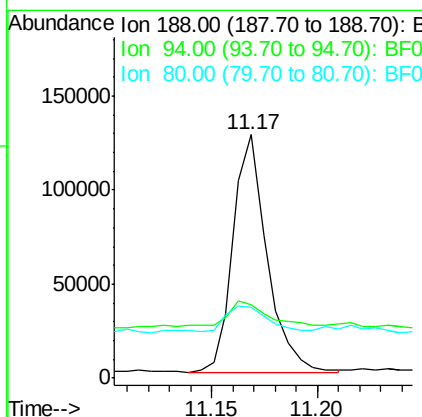
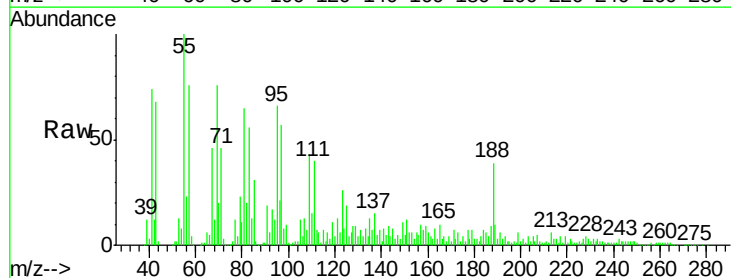
Instrument :
BNA_F
ClientSampled :

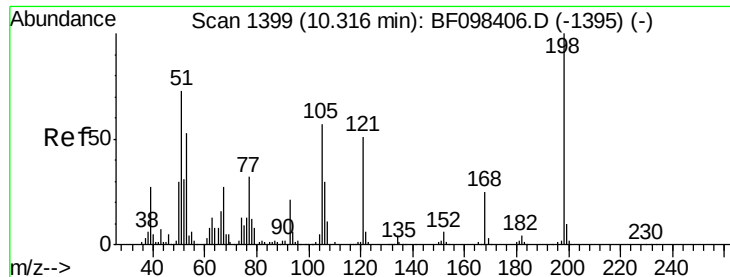
Tot Ion:204 Resp: 7758
Ion Ratio Lower Upper
204 100
206 91.2 26.2 39.2#
141 196.7 60.8 91.2#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.17 min Scan# 1544
Delta R.T. 0.02 min
Lab File: BF098674.D
Acq: 20 Sep 2017 21:48

Tgt Ion:188 Resp: 140169
Ion Ratio Lower Upper
188 100
94 30.4 9.4 14.2#
80 29.1 10.2 15.2#





#64

4,6-Dinitro-2-methylphenol

Concen: 6.12 ng

RT: 10.27 min Scan# 1392

Delta R.T. -0.02 min

Lab File: BF098674.D

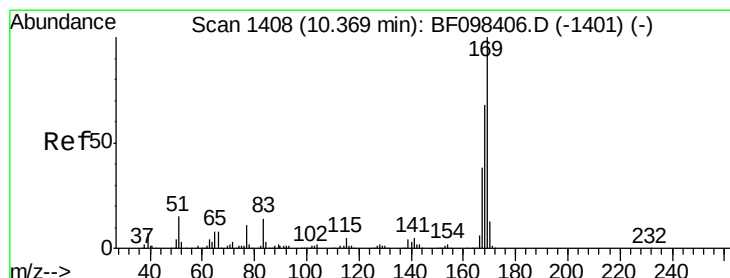
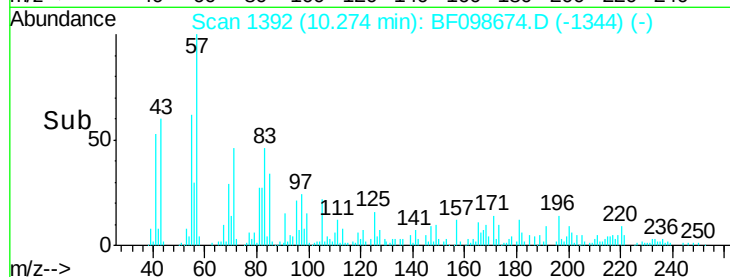
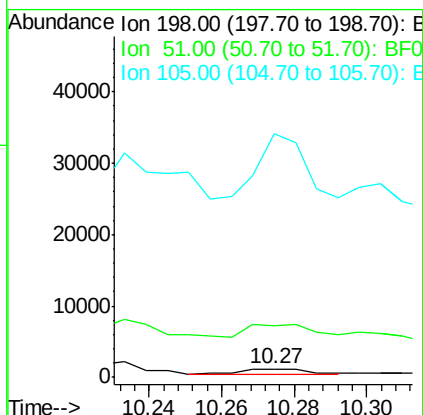
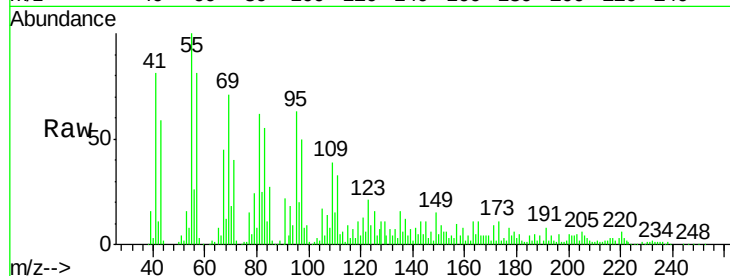
Acq: 20 Sep 2017 21:48

Instrument :

BNA_F

ClientSampled :

Tot Ion:198 Resp: 1108
 Ion Ratio Lower Upper
 198 100
 51 626.1 53.2 93.2#
 105 2963.7 45.8 85.8#



#65

n-Nitrosodiphenylamine

Concen: 5.83 ng

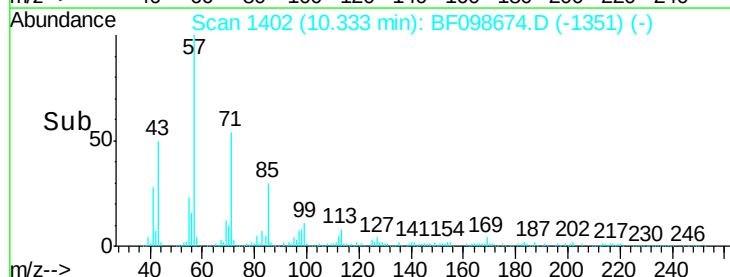
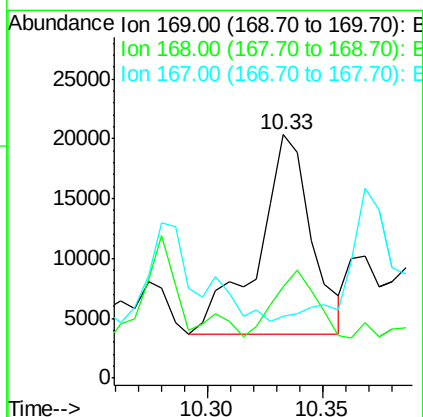
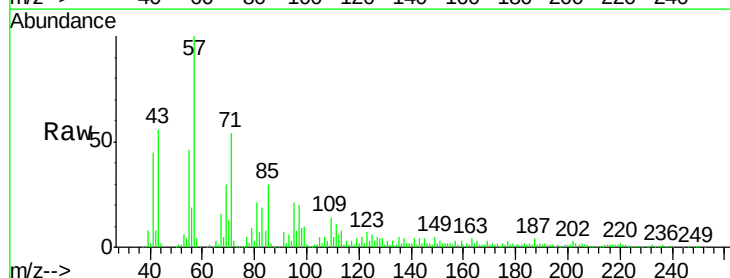
RT: 10.33 min Scan# 1402

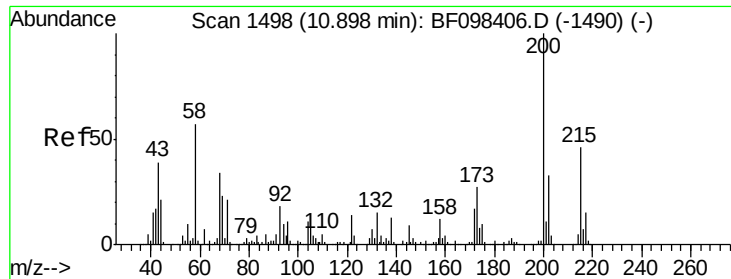
Delta R.T. -0.00 min

Lab File: BF098674.D

Acq: 20 Sep 2017 21:48

Tgt Ion:169 Resp: 26531
 Ion Ratio Lower Upper
 169 100
 168 37.3 53.2 79.8#
 167 25.4 29.5 44.3#

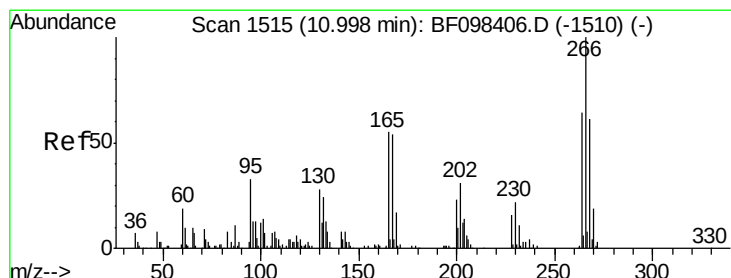
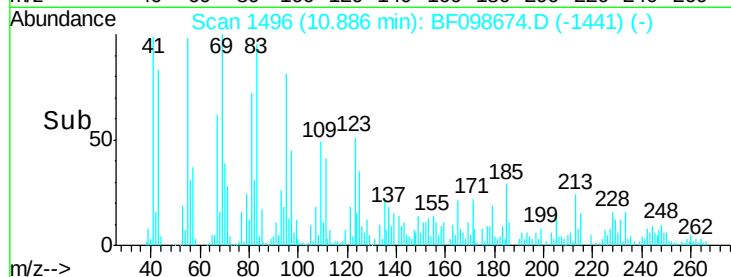
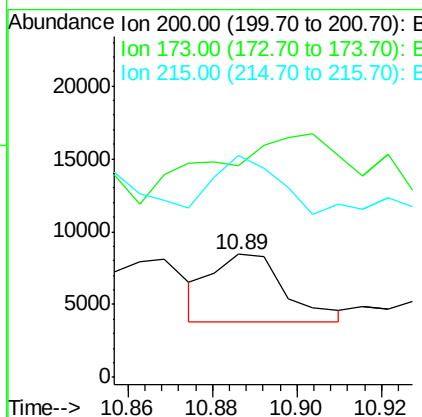
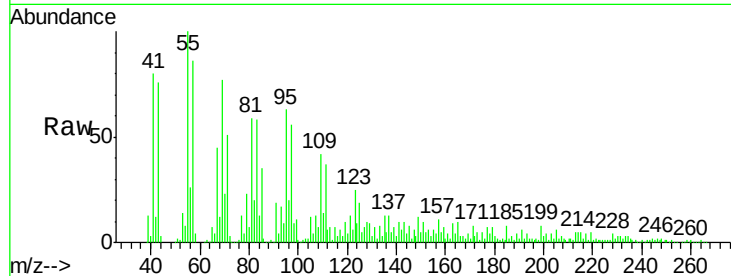




#68
Atrazine
Concen: 3.97 ng
RT: 10.89 min Scan# 1496
Delta R.T. 0.02 min
Lab File: BF098674.D
Acq: 20 Sep 2017 21:48

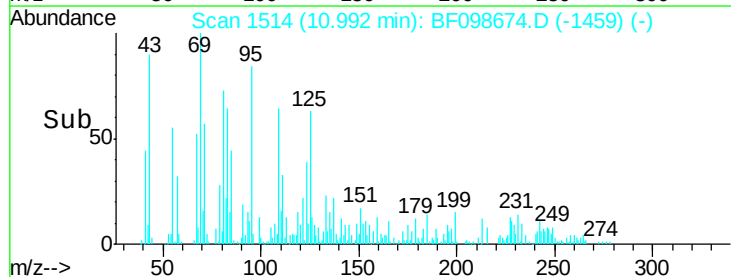
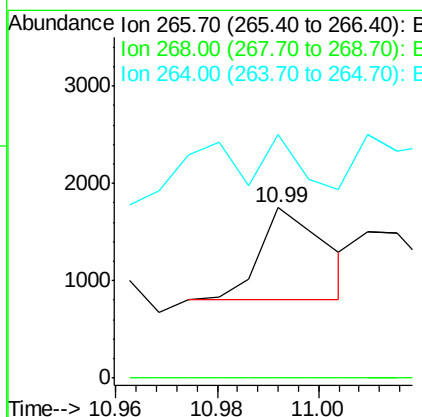
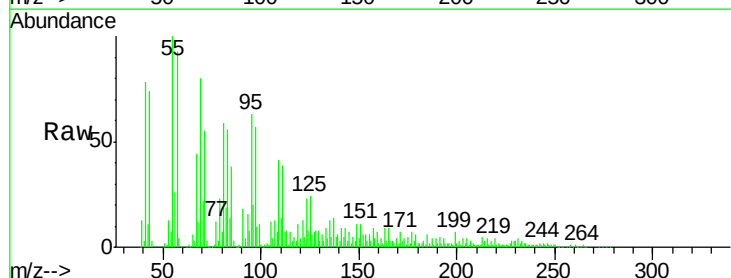
Instrument :
BNA_F
ClientSampleId :

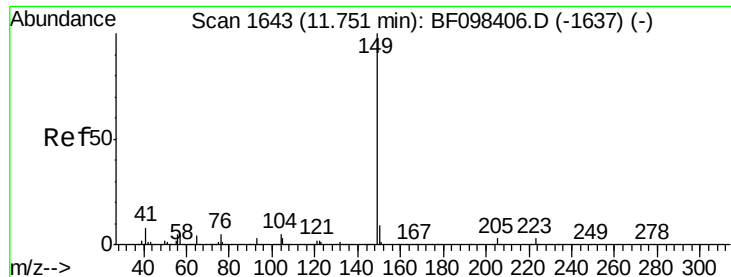
Tot Ion:200 Resp: 5557
Ion Ratio Lower Upper
200 100
173 172.4 6.3 46.3#
215 179.8 27.2 67.2#



#69
Pentachlorophenol
Concen: 8.21 ng
RT: 10.99 min Scan# 1514
Delta R.T. 0.02 min
Lab File: BF098674.D
Acq: 20 Sep 2017 21:48

Tgt Ion:266 Resp: 831
Ion Ratio Lower Upper
266 100
268 0.0 51.1 76.7#
264 142.6 51.7 77.5#





#73

Di-n-butylphthalate

Concen: 2.47 ng

RT: 11.72 min Scan# 1637

Delta R.T. -0.00 min

Lab File: BF098674.D

Acq: 20 Sep 2017 21:48

Instrument :

BNA_F

ClientSampleId :

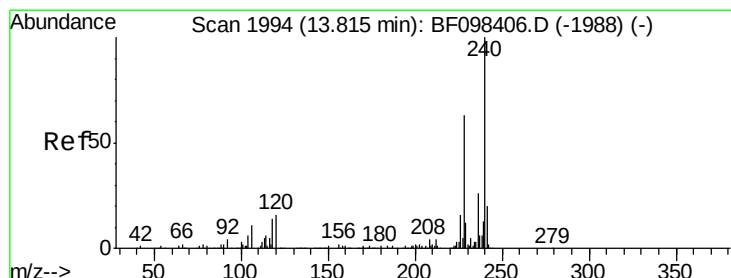
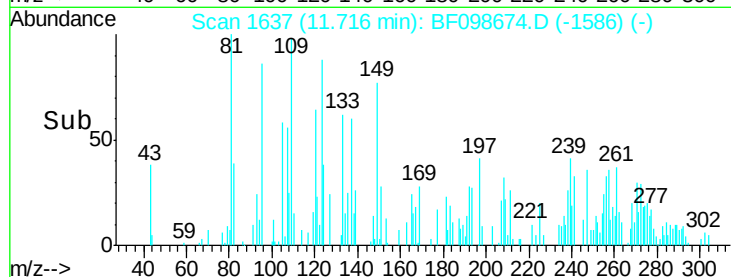
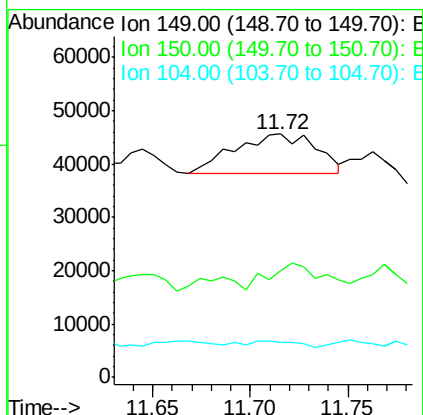
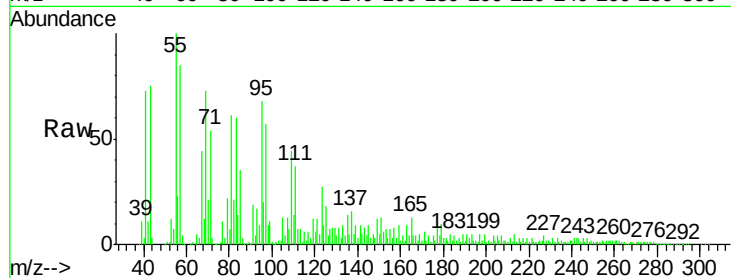
Tot Ion:149 Resp: 21068

Ion Ratio Lower Upper

149 100

150 43.7 7.7 11.5#

104 14.2 4.0 6.0#



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.80 min Scan# 1991

Delta R.T. 0.01 min

Lab File: BF098674.D

Acq: 20 Sep 2017 21:48

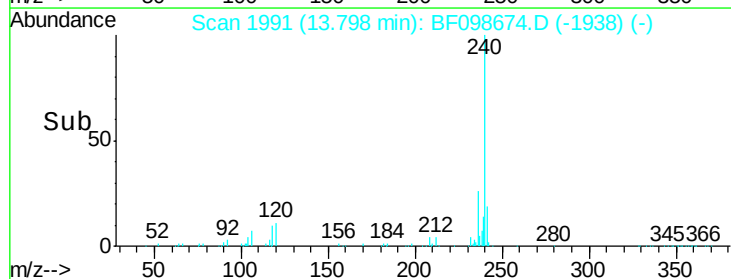
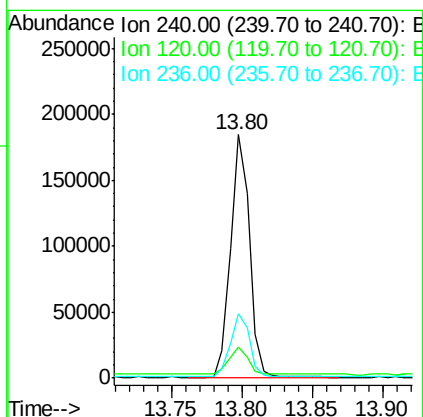
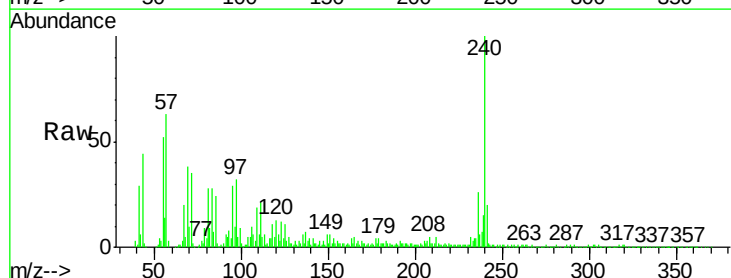
Tgt Ion:240 Resp: 171202

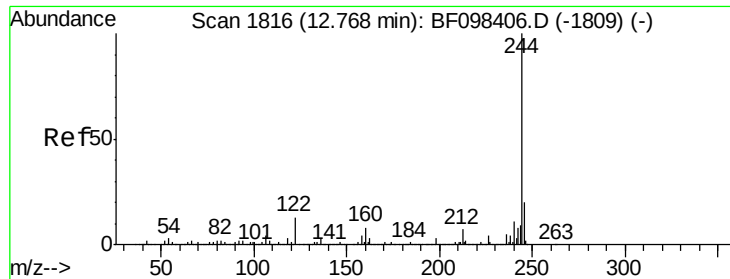
Ion Ratio Lower Upper

240 100

120 13.0 5.8 8.8#

236 26.5 20.5 30.7

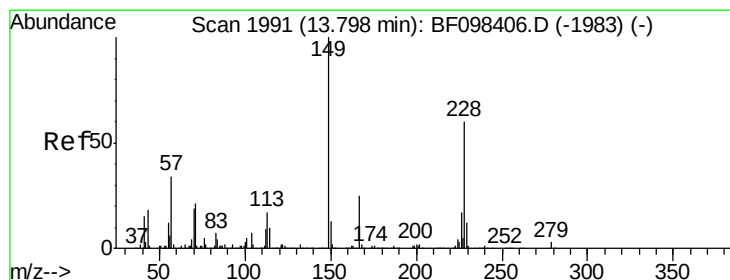
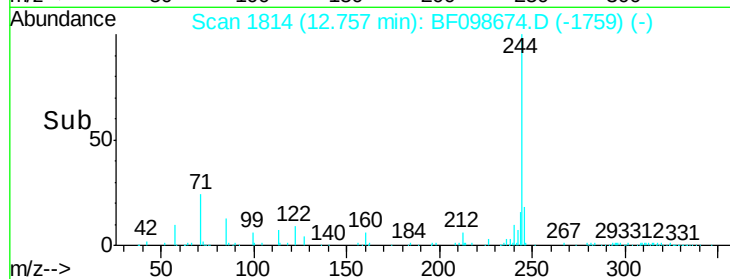
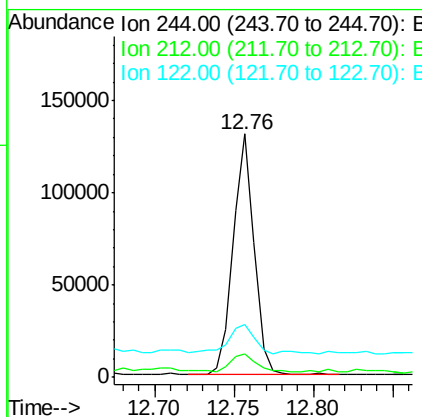
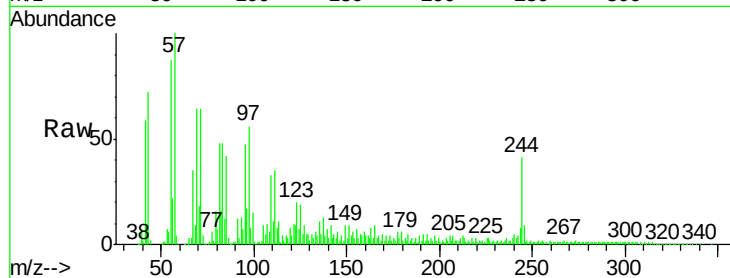




#78
 Terphenyl-d14
 Concen: 15.01 ng
 RT: 12.76 min Scan# 1814
 Delta R.T. 0.02 min
 Lab File: BF098674.D
 Acq: 20 Sep 2017 21:48

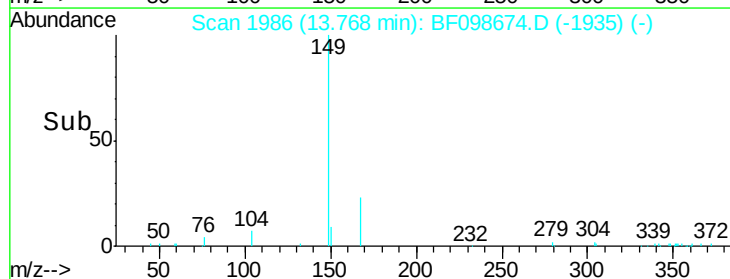
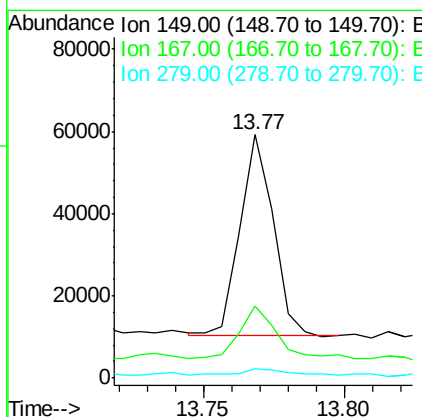
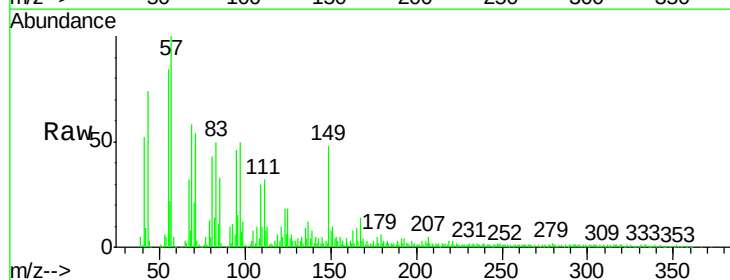
Instrument :
 BNA_F
 ClientSampleId :

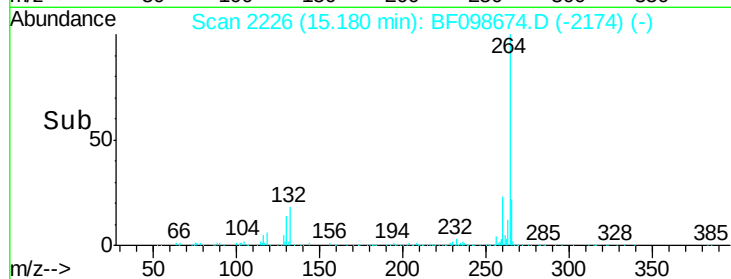
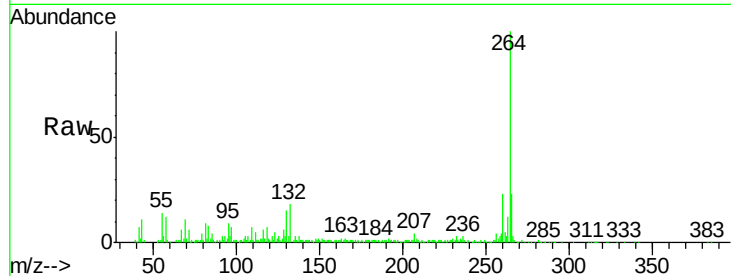
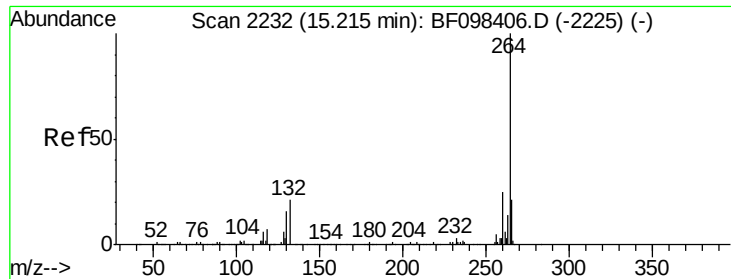
Tot Ion	Ratio	Lower	Upper
244	100		
212	9.5	6.0	9.0#
122	21.5	10.3	15.5#



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.36 ng
 RT: 13.77 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: BF098674.D
 Acq: 20 Sep 2017 21:48

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.8	21.0	31.4
279	3.8	1.9	2.9#





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 2226
Delta R.T. 0.01 min
Lab File: BF098674.D
Acq: 20 Sep 2017 21:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	22.7	17.2	25.8

