

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041317\
 Data File : BF094404.D
 Acq On : 13 Apr 2017 21:34
 Operator : SJ/MA
 Sample : I2662-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 14 00:50:17 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG032017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 20 17:43:27 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-8.05
21) Naphthalene-d8	10.86	136	623	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	779	20.00	ng	0.01
63) Phenanthrene-d10	17.39	188	275	20.00	ng	0.00
75) Chrysene-d12	0.00	240	0	0.00	ng	-21.64
86) Perylene-d12	0.00	264	0	0.00	ng	-24.82

System Monitoring Compounds

5) 2-Fluorophenol	5.79	112	136	0.00	ng	0.17
7) Phenol-d6	7.31	99	114	0.00	ng	0.10
23) Nitrobenzene-d5	9.42	82	25315	2443.26	ng	0.22
41) 2,4,6-Tribromophenol	16.16	330	319	35.76	ng	0.02
44) 2-Fluorobiphenyl	13.31	172	1959	35.27	ng	0.03
78) Terphenyl-d14	0.00	244	0	0.00	ng	

Target Compounds

						Qvalue
22) Acetophenone	9.10	105	2933	204.72	ng	# 14
24) Nitrobenzene	9.25	77	1283	125.41	ng	# 49
25) Isophorone	9.79	82	1314	67.29	ng	# 1
26) 2-Nitrophenol	9.86	139	544	102.19	ng	# 23
27) 2,4-Dimethylphenol	10.03	122	114	13.05	ng	# 68
28) bis(2-Chloroethoxy)methane	10.23	93	247	19.47	ng	# 1
29) 2,4-Dichlorophenol	10.60	162	118	13.35	ng	# 1
30) 1,2,4-Trichlorobenzene	10.74	180	2534	255.28	ng	# 31
31) Naphthalene	10.91	128	305	9.68	ng	# 1
32) Benzoic acid	10.32	122	417	62.02	ng	# 94
33) 4-Chloroaniline	11.00	127	941	73.45	ng	# 55
35) Caprolactam	11.79	113	116	33.32	ng	# 1
36) 4-Chloro-3-methylphenol	12.15	107	524	55.43	ng	# 60
37) 2-Methylnaphthalene	12.50	142	405	17.55	ng	# 56
39) 1,2,4,5-Tetrachlorobenzene	12.84	216	1996	85.16	ng	# 15
40) Hexachlorocyclopentadiene	12.85	237	842	68.25	ng	# 79
42) 2,4,6-Trichlorophenol	13.09	196	410	26.72	ng	# 1
43) 2,4,5-Trichlorophenol	13.16	196	1005	59.25	ng	# 1
45) 1,1'-Biophenyl	13.52	154	297	4.60	ng	# 1
46) 2-Chloronaphthalene	13.56	162	1433	30.41	ng	# 56
47) 2-Nitroaniline	13.62	65	573	42.76	ng	# 91
48) Acenaphthylene	14.39	152	940	11.44	ng	# 1
49) Dimethylphthalate	14.10	163	920	15.65	ng	# 16
50) 2,6-Dinitrotoluene	14.23	165	1173	85.48	ng	# 34
51) Acenaphthene	14.73	154	286	5.65	ng	# 1
52) 3-Nitroaniline	14.57	138	398	26.34	ng	# 5
53) 2,4-Dinitrophenol	14.67	184	209	26.25	ng	# 94
54) Dibenzofuran	15.05	168	677	9.51	ng	# 1
55) 4-Nitrophenol	14.87	139	624	50.43	ng	# 1
56) 2,4-Dinitrotoluene	15.02	165	1010	52.33	ng	# 38
57) Fluorene	15.74	166	462	7.29	ng	# 1
58) 2,3,4,6-Tetrachlorophenol	15.29	232	376	25.41	ng	# 1
59) Diethylphthalate	15.50	149	1243	20.68	ng	# 36
60) 4-Chlorophenyl-phenylether	15.68	204	482	16.05	ng	# 13

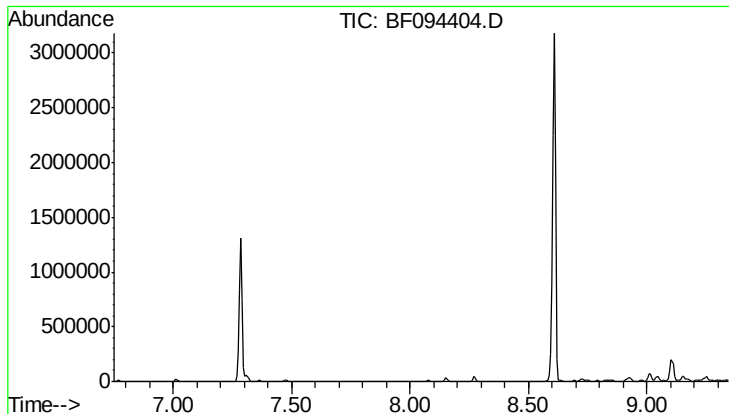
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041317\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 4-Nitroaniline	15.72	138	341	21.33	nq	92
62) Azobenzene	15.97	77	447	9.15	nq	# 3
64) 4,6-Dinitro-2-methylphenol	15.79	198	701	404.32	nq	# 1
65) n-Nitrosodiphenylamine	15.89	169	1027	127.25	nq	# 47
66) 4-Bromophenyl-phenylether	16.60	248	696	245.89	nq	# 56
67) Hexachlorobenzene	16.71	284	1264	418.63	nq	# 13
68) Atrazine	16.83	200	382	125.03	nq	# 1
69) Pentachlorophenol	16.94	266	1914	974.99	nq	90
70) Phenanthrene	17.43	178	912	61.76	nq	# 1
71) Anthracene	17.53	178	654	43.41	nq	# 1
72) Carbazole	17.77	167	273	17.60	nq	# 1
73) Di-n-butylphthalate	18.37	149	775	48.63	nq	# 19
74) Fluoranthene	19.46	202	170	9.79	nq	# 1

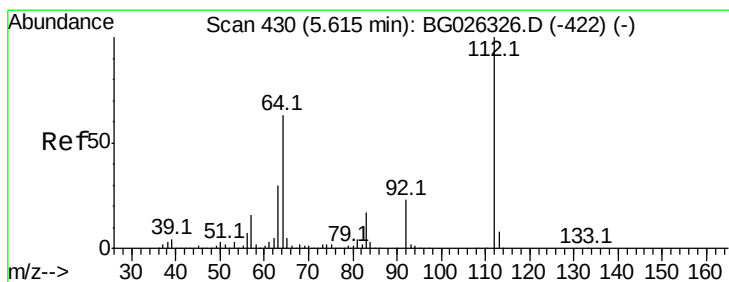
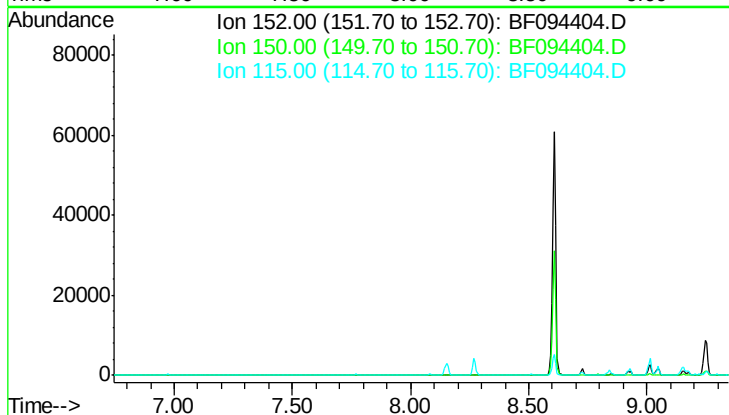
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 0.00 ng
 Expected RT: 8.05 min
 Lab File: BF094404.D
 Acq: 13 Apr 2017 21:34

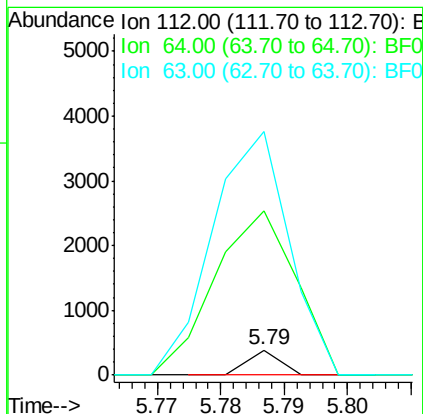
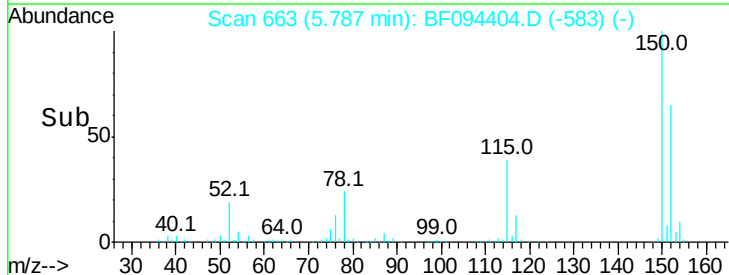
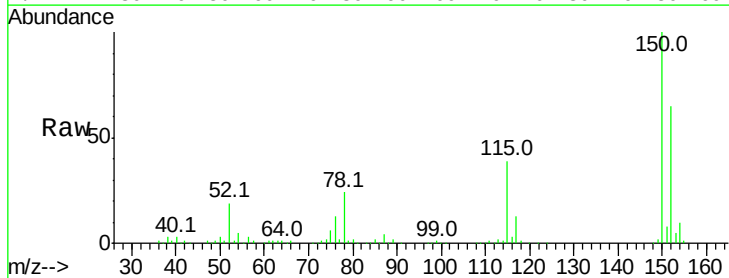
Instrument :
 BNA_F
 ClientSampleId :

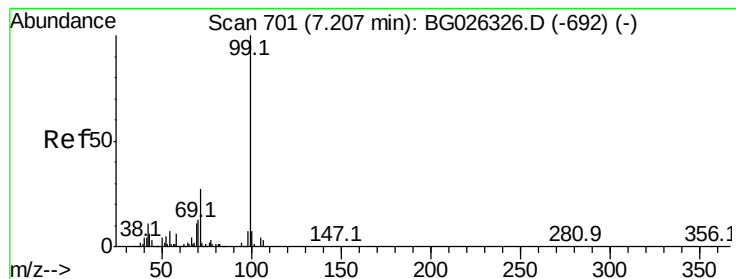
Tot Ion: 152
 Sig Exp Ratio
 152 100
 150 142.5
 115 60.1



#5
 2-Fluorophenol
 Concen: 0.00 ng
 RT: 5.79 min Scan# 663
 Delta R.T. 0.17 min
 Lab File: BF094404.D
 Acq: 13 Apr 2017 21:34

Tgt Ion: 112 Resp: 136
 Ion Ratio Lower Upper
 112 100
 64 659.4 61.8 92.6#
 63 979.2 37.2 55.8#





#7

Phenol-d6

Concen: 0.00 ng

RT: 7.31 min Scan# 922

Delta R.T. 0.10 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

Instrument :

BNA_F

ClientSampleId :

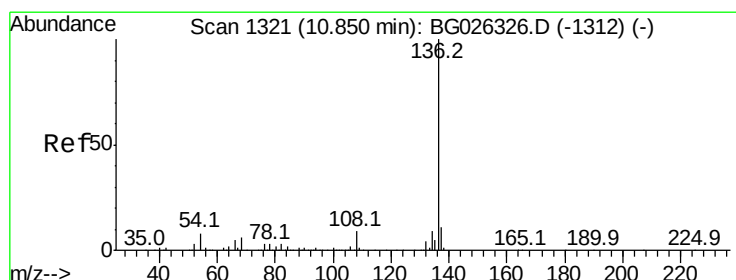
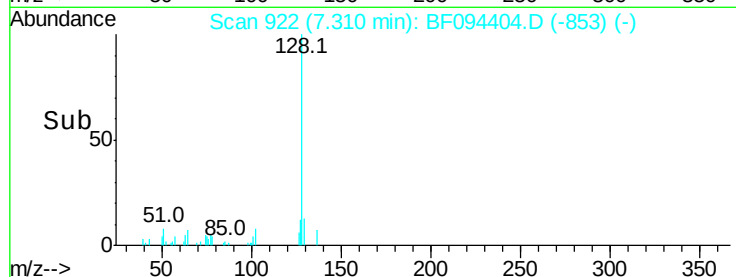
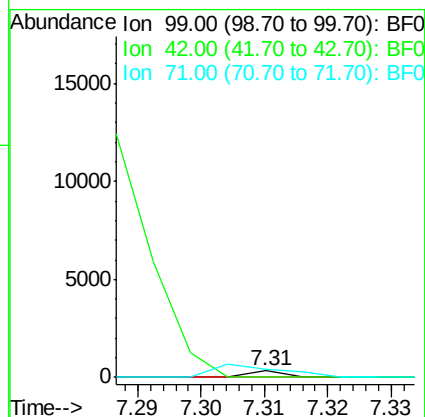
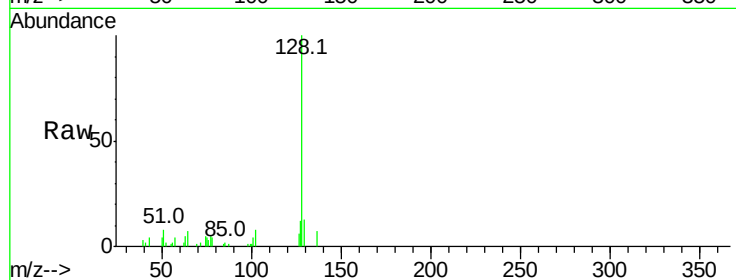
Tot Ion: 99 Resp: 114

Ion Ratio Lower Upper

99 100

42 0.0 20.5 30.7#

71 136.4 37.6 56.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.86 min Scan# 1525

Delta R.T. 0.01 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

Tgt Ion: 136 Resp: 623

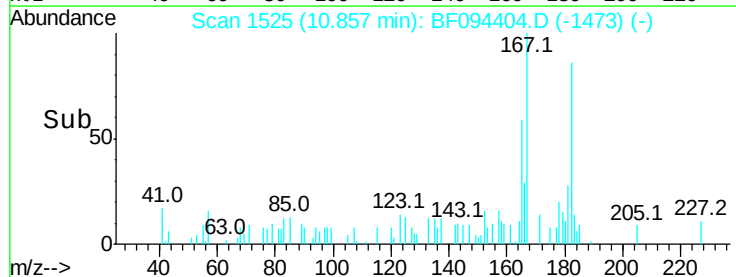
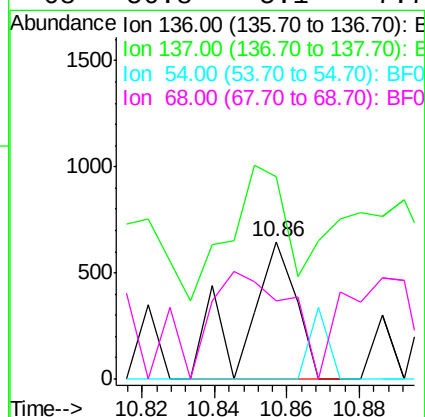
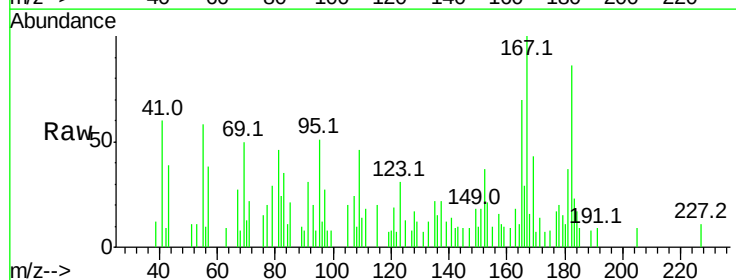
Ion Ratio Lower Upper

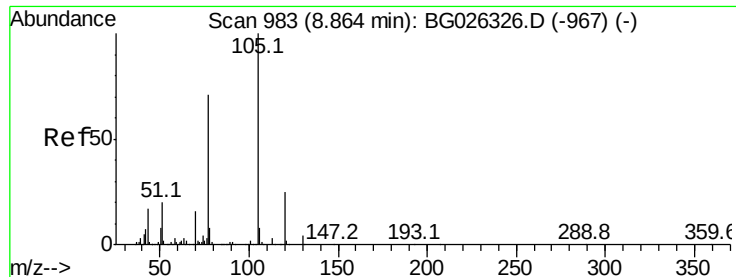
136 100

137 147.2 8.9 13.3#

54 0.0 9.3 13.9#

68 56.8 5.1 7.7#





#22

Acetophenone

Concen: 204.72 ng

RT: 9.10 min Scan# 1227

Delta R.T. 0.24 min

Lab File: BF094404.D

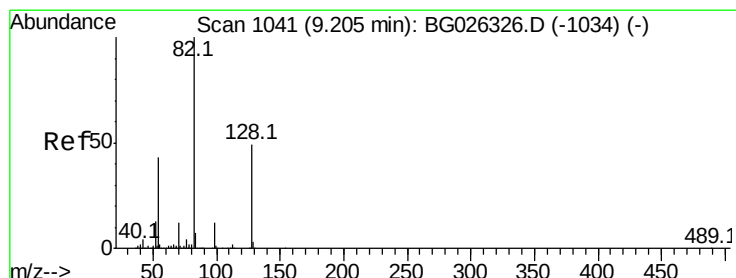
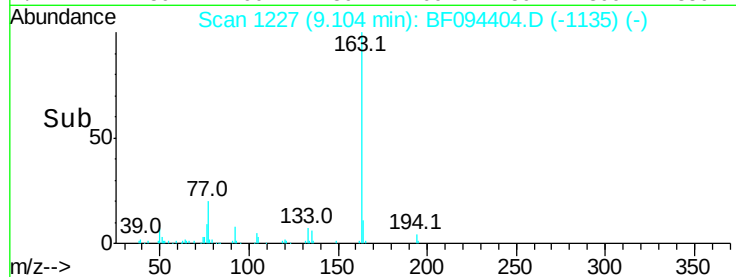
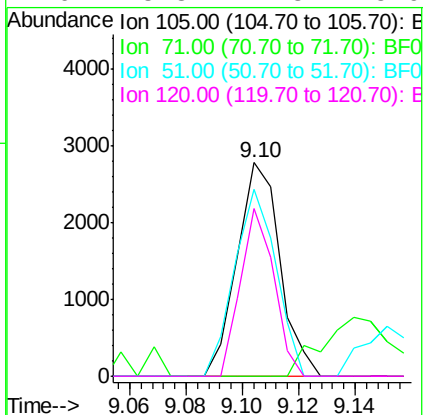
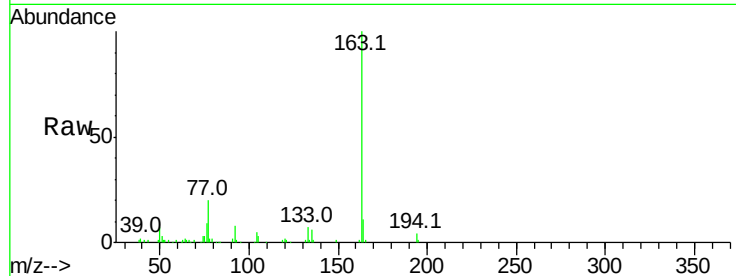
Acq: 13 Apr 2017 21:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	105	Resp:	2933
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.9	1.3#
51	87.3	34.0	51.0#
120	78.8	17.3	25.9#



#23

Nitrobenzene-d5

Concen: 2443.26 ng

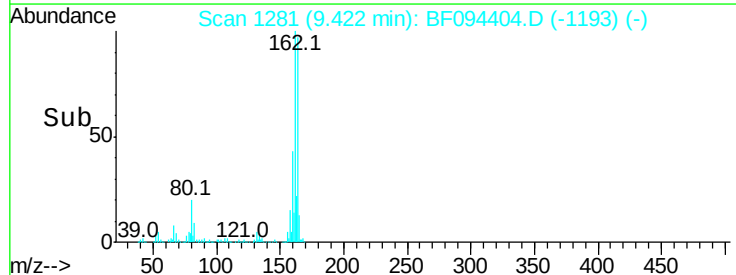
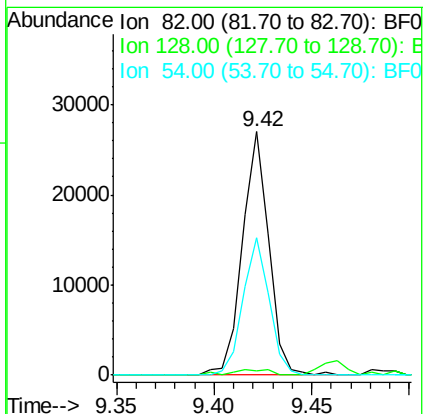
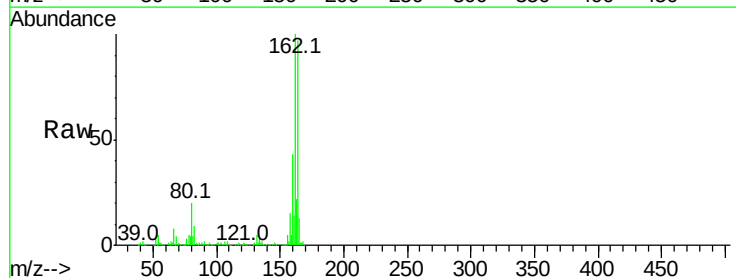
RT: 9.42 min Scan# 1281

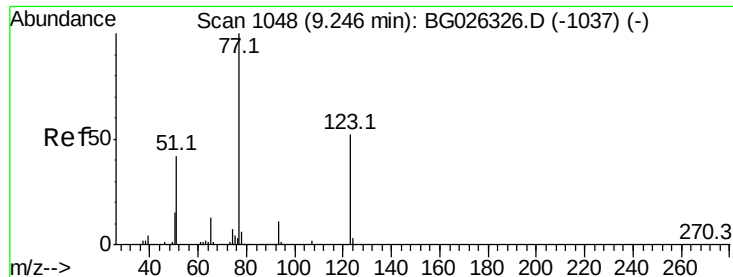
Delta R.T. 0.22 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

Tgt Ion:	82	Resp:	25315
Ion	Ratio	Lower	Upper
82	100		
128	1.7	26.4	39.6#
54	56.5	49.4	74.2

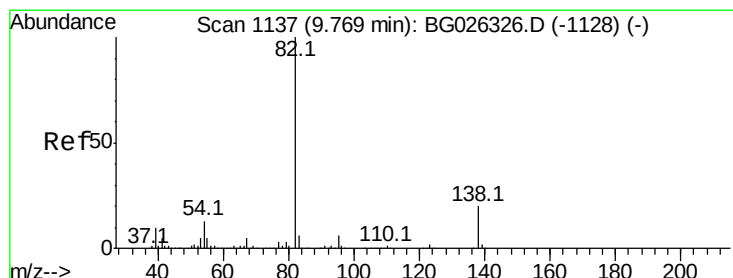
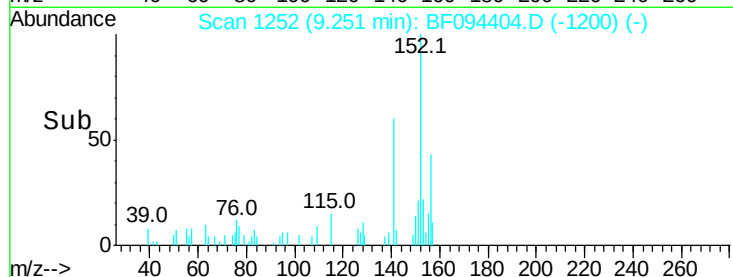
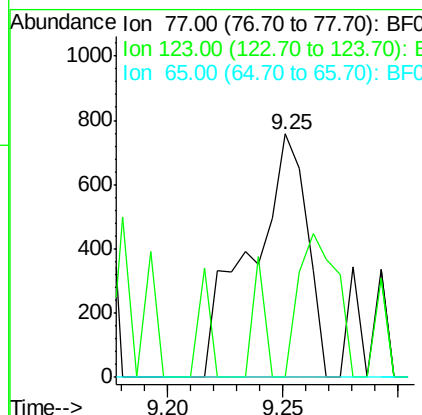
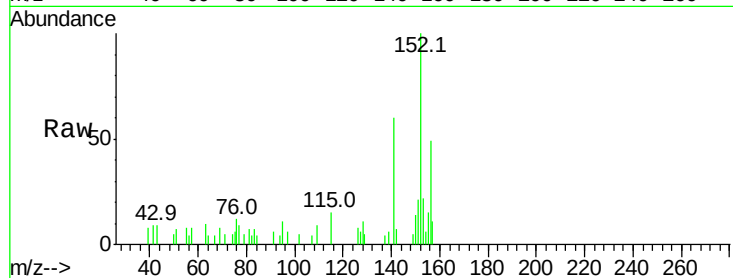




#24
 Nitrobenzene
 Concen: 125.41 ng
 RT: 9.25 min Scan# 1252
 Delta R.T. 0.01 min
 Lab File: BF094404.D
 Acq: 13 Apr 2017 21:34

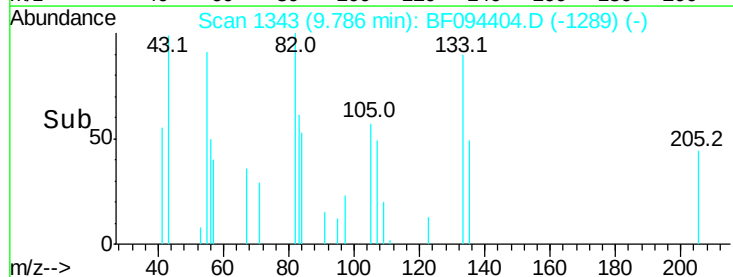
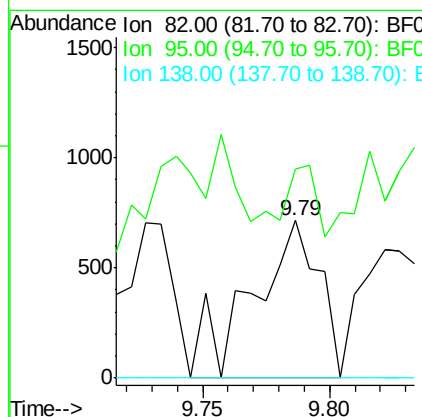
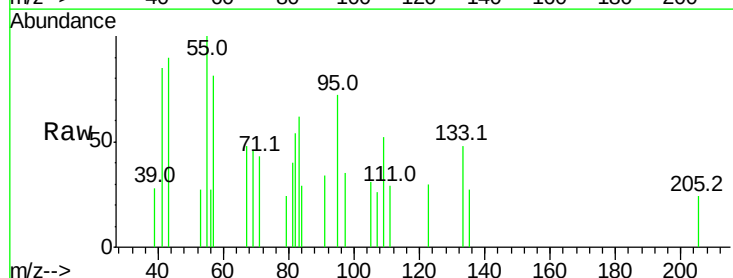
Instrument :
 BNA_F
 ClientSampleId :

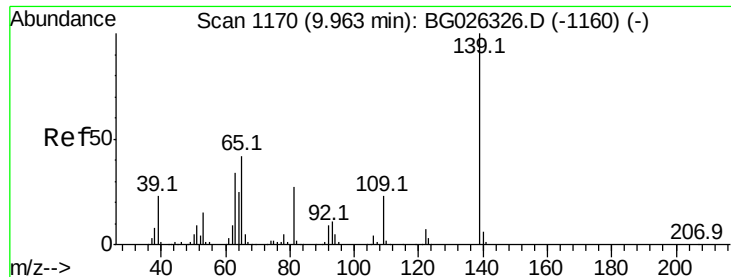
Tot Ion: 77 Resp: 1283
 Ion Ratio Lower Upper
 77 100
 123 0.0 26.1 39.1#
 65 0.0 12.4 18.6#



#25
 Isophorone
 Concen: 67.29 ng
 RT: 9.79 min Scan# 1343
 Delta R.T. 0.02 min
 Lab File: BF094404.D
 Acq: 13 Apr 2017 21:34

Tgt Ion: 82 Resp: 1314
 Ion Ratio Lower Upper
 82 100
 95 132.7 7.5 11.3#
 138 0.0 12.3 18.5#





#26

2-Nitrophenol

Concen: 102.19 ng

RT: 9.86 min Scan# 1355

Delta R.T. -0.11 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

Instrument :

BNA_F

ClientSampled :

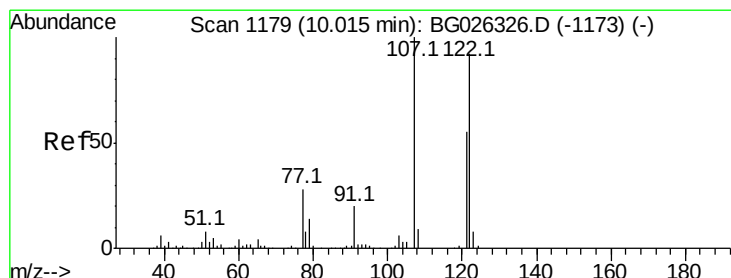
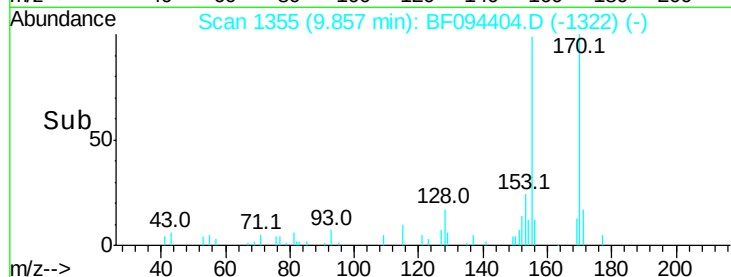
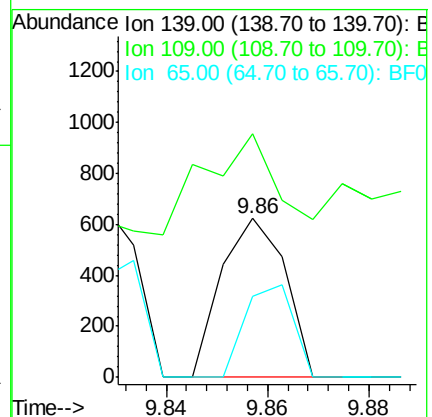
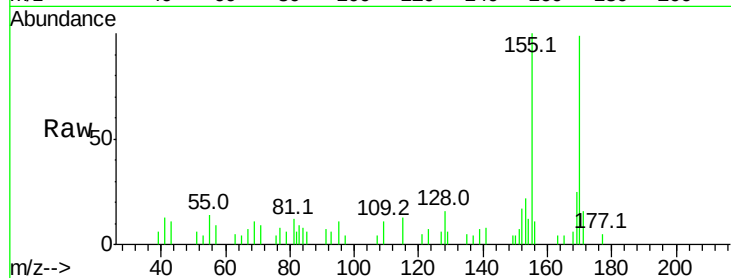
Tot Ion:139 Resp: 544

Ion Ratio Lower Upper

139 100

109 153.2 38.6 58.0#

65 50.8 57.1 85.7#



#27

2,4-Dimethylphenol

Concen: 13.05 ng

RT: 10.03 min Scan# 1384

Delta R.T. 0.01 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

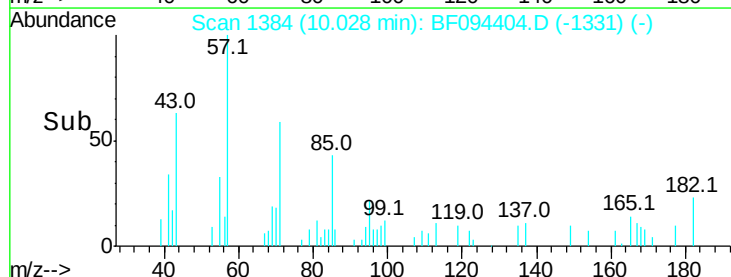
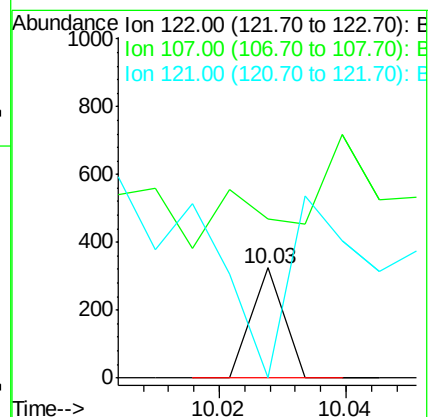
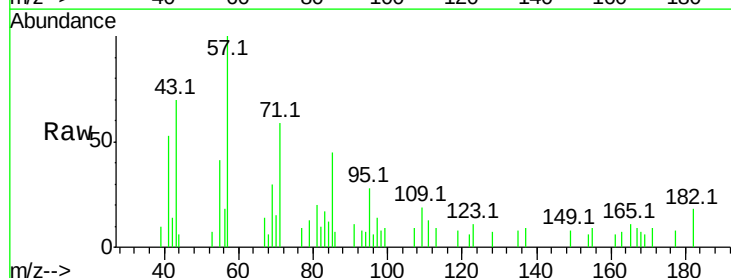
Tgt Ion:122 Resp: 114

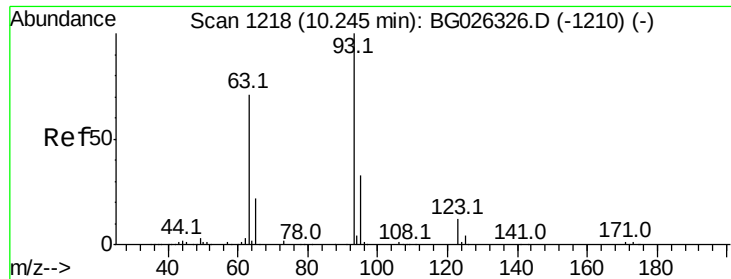
Ion Ratio Lower Upper

122 100

107 144.8 104.2 156.4

121 0.0 46.0 69.0#

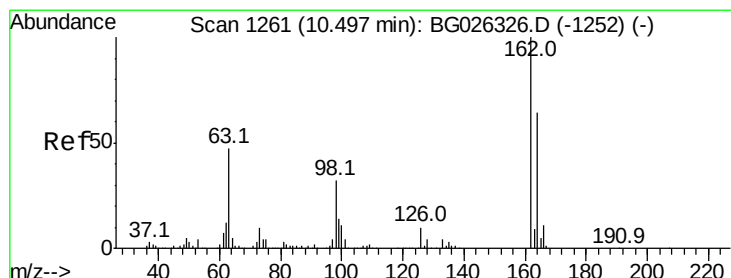
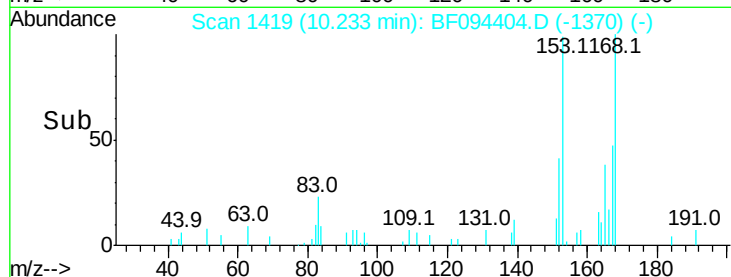
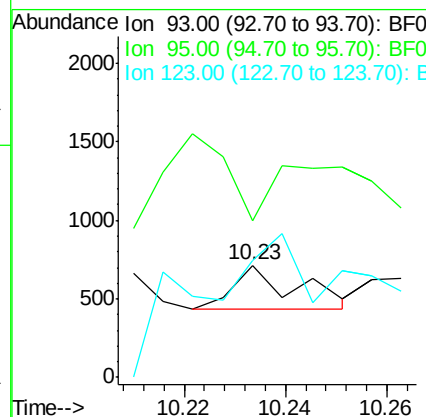
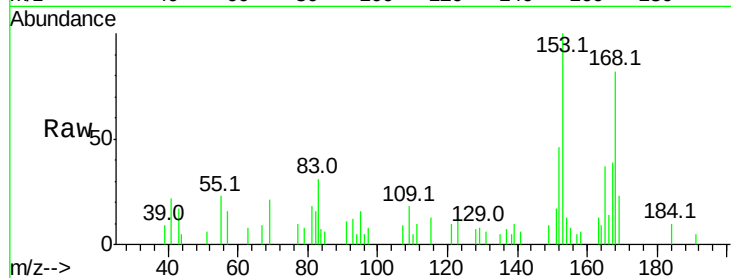




#28
bis(2-Chloroethoxy)methane
Concen: 19.47 ng
RT: 10.23 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

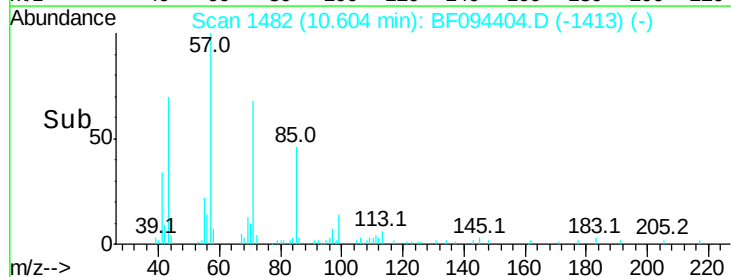
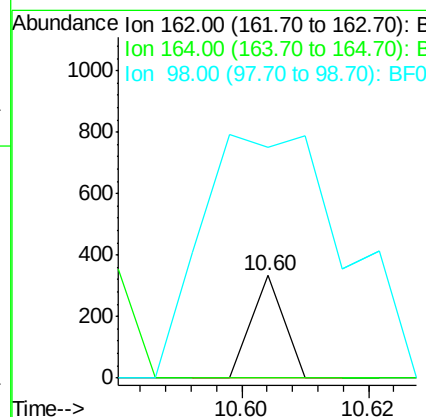
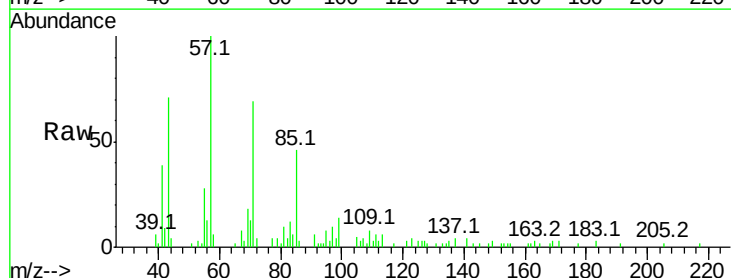
Instrument :
BNA_F
ClientSampleId :

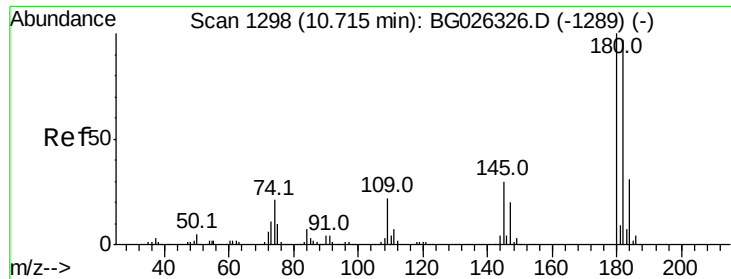
Tot Ion: 93 Resp: 247
Ion Ratio Lower Upper
93 100
95 139.5 25.7 38.5#
123 104.1 8.3 12.5#



#29
2,4-Dichlorophenol
Concen: 13.35 ng
RT: 10.60 min Scan# 1482
Delta R.T. 0.11 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

Tgt Ion:162 Resp: 118
Ion Ratio Lower Upper
162 100
164 0.0 42.4 82.4#
98 225.2 20.3 60.3#

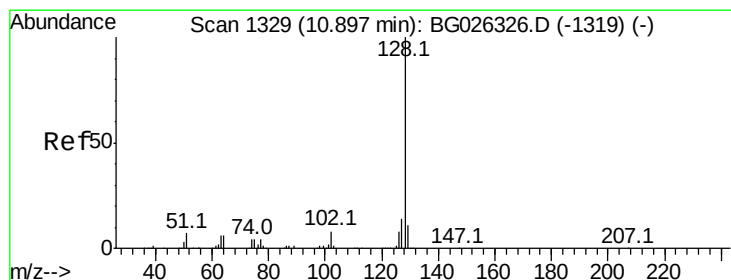
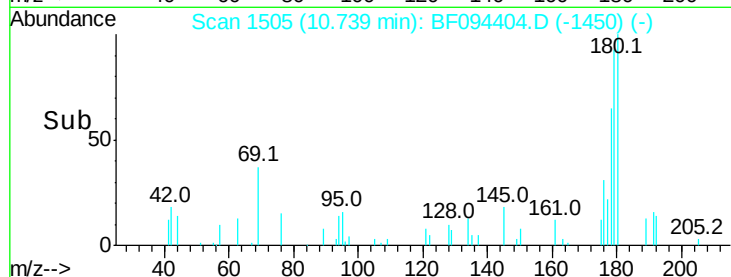
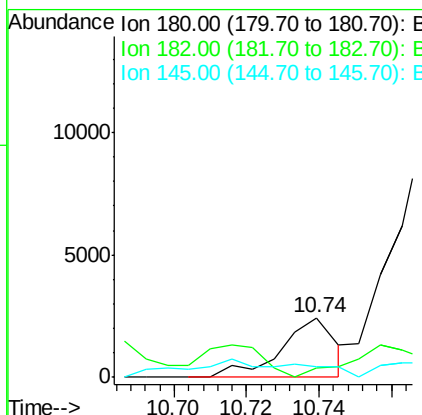
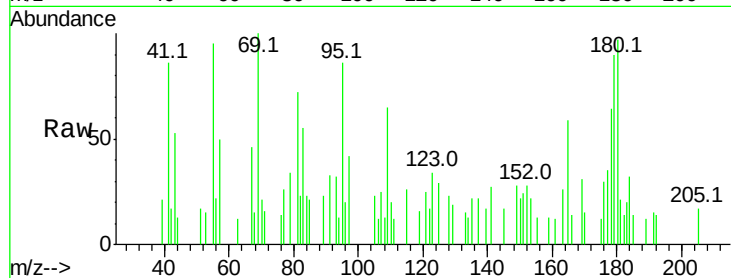




#30
 1,2,4-Trichlorobenzene
 Concen: 255.28 ng
 RT: 10.74 min Scan# 1505
 Delta R.T. 0.02 min
 Lab File: BF094404.D
 Acq: 13 Apr 2017 21:34

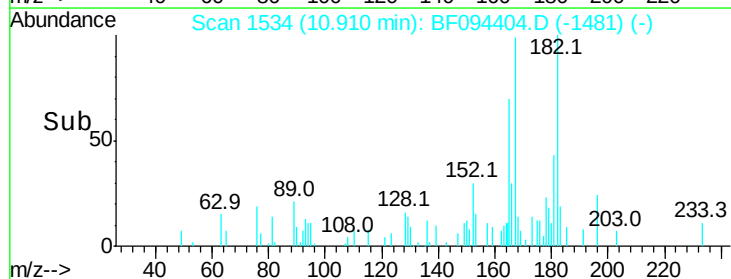
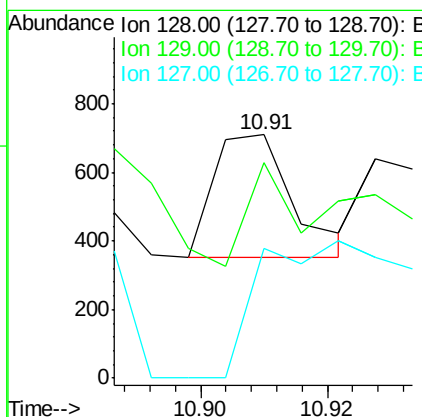
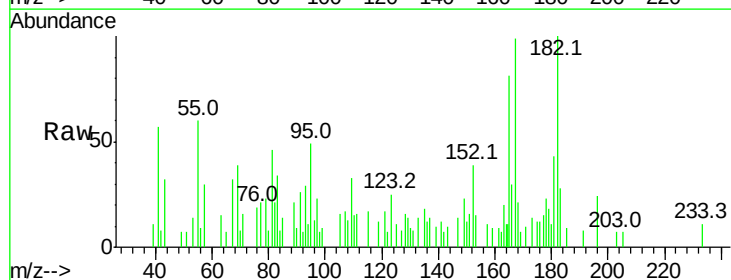
Instrument :
 BNA_F
 ClientSampleId :

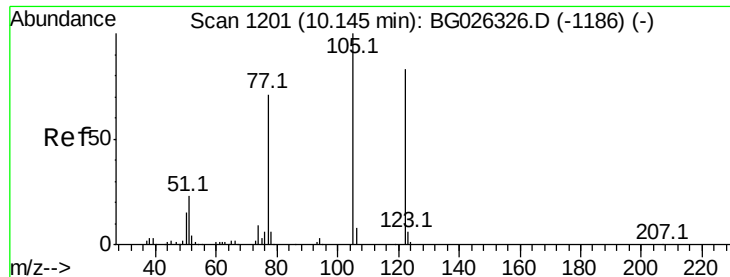
Tot Ion:180 Resp: 2534
 Ion Ratio Lower Upper
 180 100
 182 14.9 77.0 115.4#
 145 17.6 23.4 35.0#



#31
 Naphthalene
 Concen: 9.68 ng
 RT: 10.91 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: BF094404.D
 Acq: 13 Apr 2017 21:34

Tgt Ion:128 Resp: 305
 Ion Ratio Lower Upper
 128 100
 129 88.6 9.3 13.9#
 127 53.1 11.4 17.0#





#32

Benzoic acid

Concen: 62.02 ng

RT: 10.32 min Scan# 1433

Delta R.T. 0.17 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

Instrument :

BNA_F

ClientSampled :

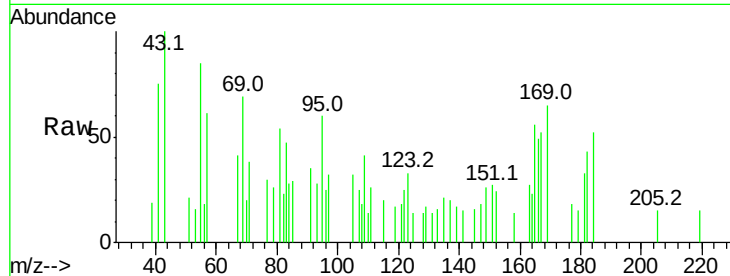
Tot Ion:122 Resp: 417

Ion Ratio Lower Upper

122 100

105 129.8 120.1 160.1

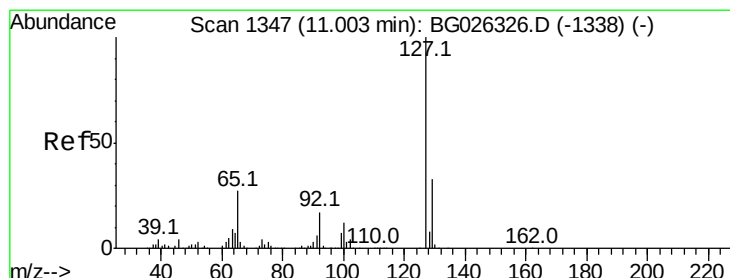
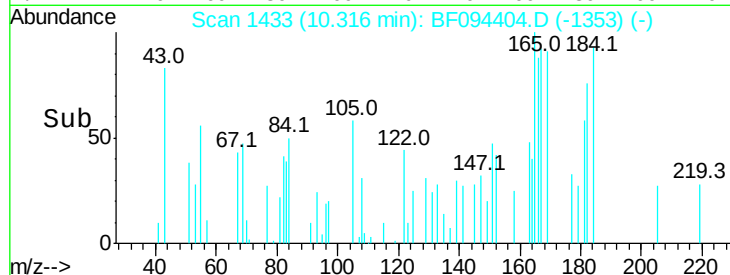
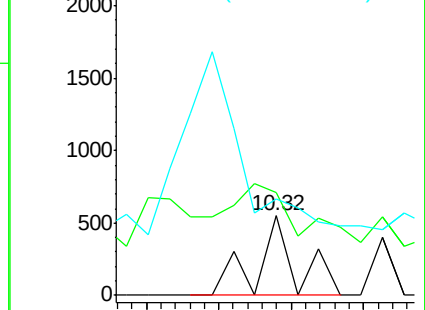
77 120.7 104.6 144.6



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: 73.45 ng

RT: 11.00 min Scan# 1550

Delta R.T. 0.00 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

Tgt Ion:127 Resp: 941

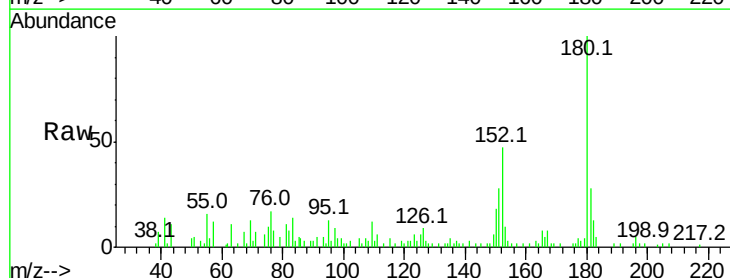
Ion Ratio Lower Upper

127 100

129 78.5 23.6 35.4#

65 56.9 37.7 56.5#

92 0.0 17.6 26.4#

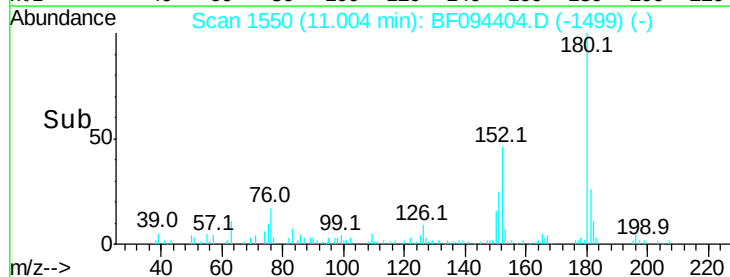
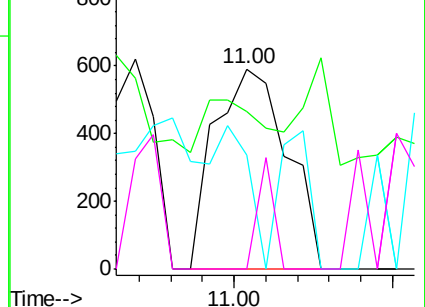


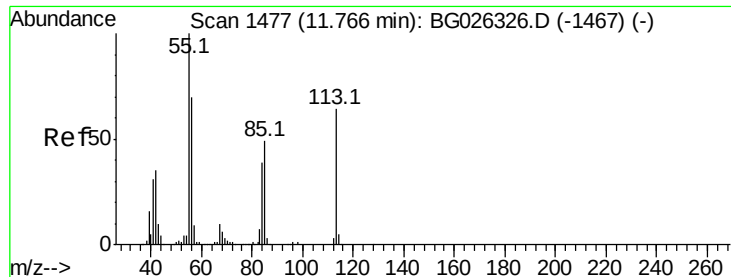
Abundance Ion 127.00 (126.70 to 127.70): E

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: 33.32 ng

RT: 11.79 min Scan# 1683

Delta R.T. 0.02 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

Instrument :

BNA_F

ClientSampleId :

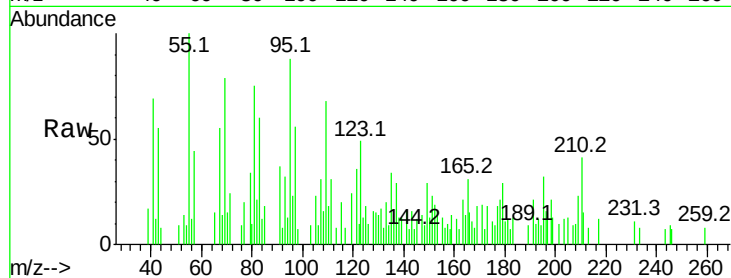
Tot Ion:113 Resp: 116

Ion Ratio Lower Upper

113 100

55 1311.2 198.6 238.6#

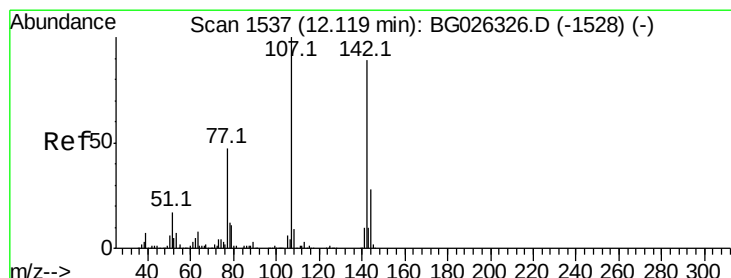
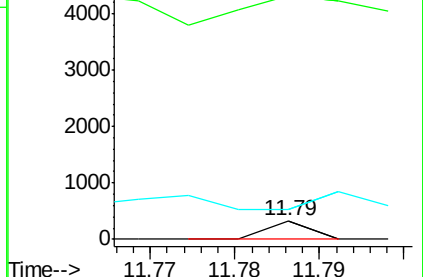
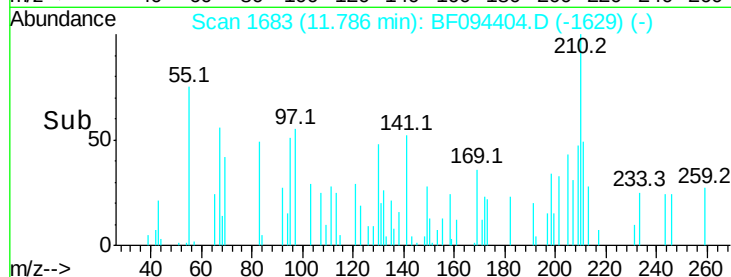
56 163.5 140.4 180.4



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



#36

4-Chloro-3-methylphenol

Concen: 55.43 ng

RT: 12.15 min Scan# 1744

Delta R.T. 0.03 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

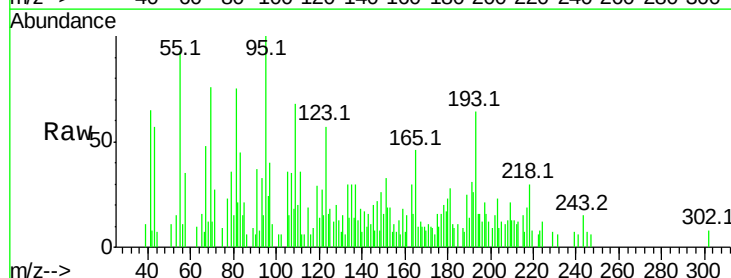
Tgt Ion:107 Resp: 524

Ion Ratio Lower Upper

107 100

144 30.6 17.4 26.0#

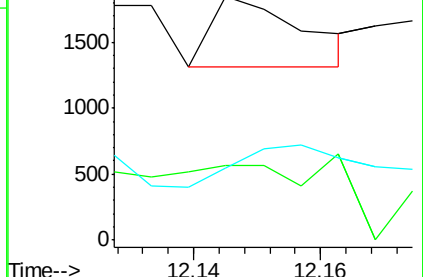
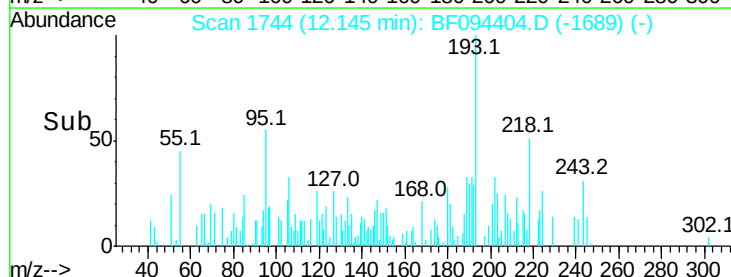
142 29.4 54.1 81.1#

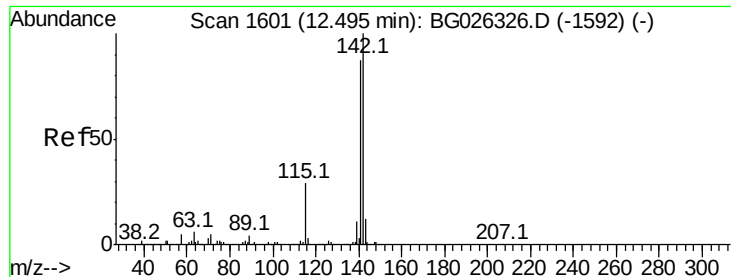


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

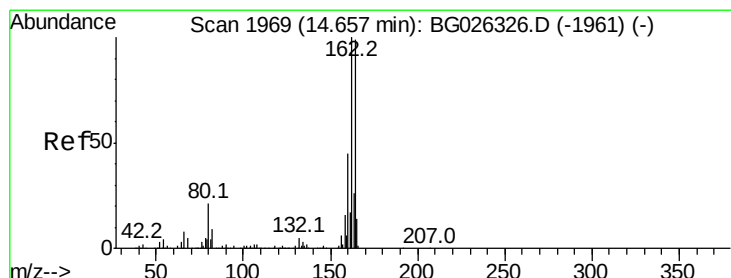
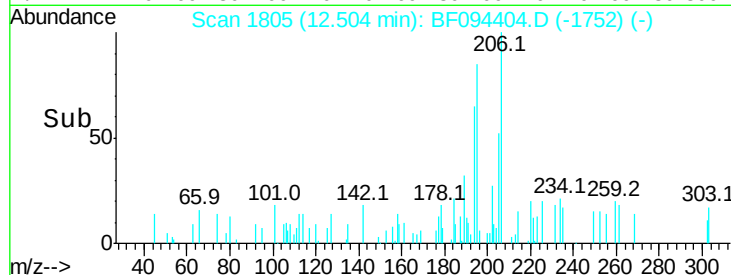
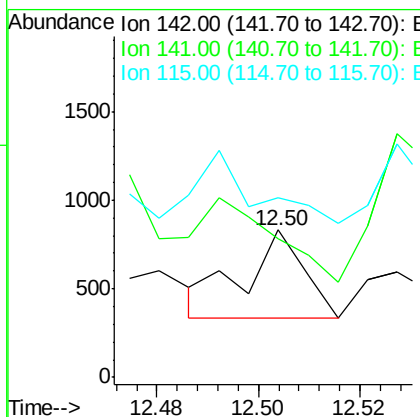
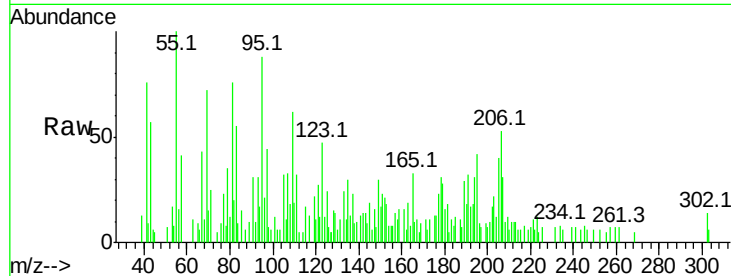




#37
 2-Methylnaphthalene
 Concen: 17.55 ng
 RT: 12.50 min Scan# 1805
 Delta R.T. 0.01 min
 Lab File: BF094404.D
 Acq: 13 Apr 2017 21:34

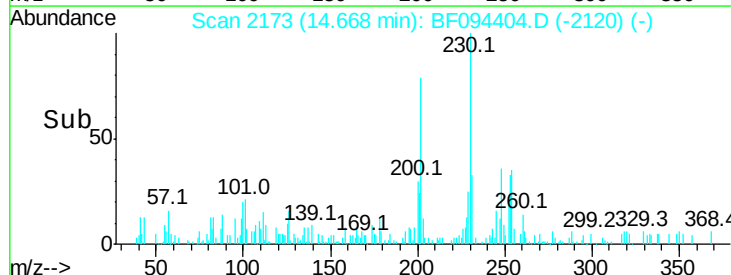
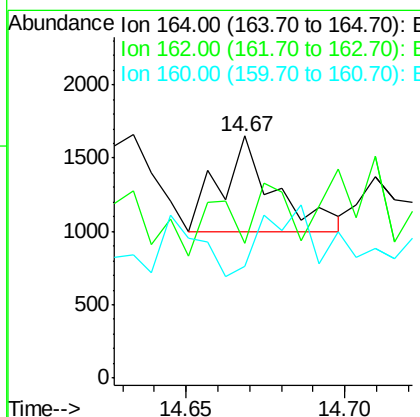
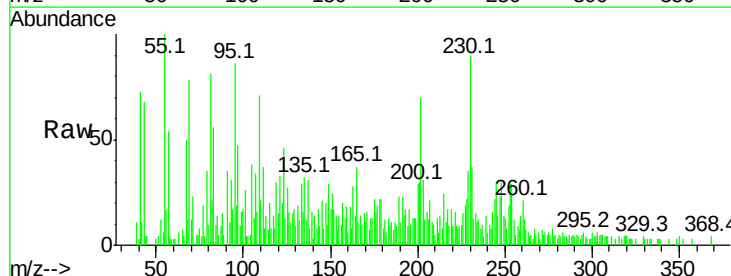
Instrument :
 BNA_F
 ClientSampleId :

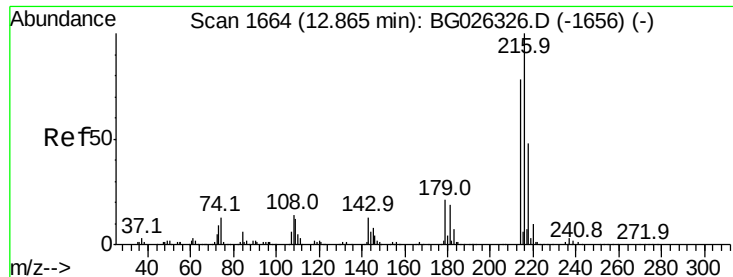
Tot Ion:142 Resp: 405
 Ion Ratio Lower Upper
 142 100
 141 94.0 70.4 105.6
 115 122.0 35.5 53.3#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.67 min Scan# 2173
 Delta R.T. 0.01 min
 Lab File: BF094404.D
 Acq: 13 Apr 2017 21:34

Tgt Ion:164 Resp: 779
 Ion Ratio Lower Upper
 164 100
 162 55.5 85.1 127.7#
 160 46.2 34.7 52.1





#39

1,2,4,5-Tetrachlorobenzene

Concen: 85.16 ng

RT: 12.84 min Scan# 1862

Delta R.T. -0.03 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

Instrument :

BNA_F

ClientSampled :

Tot Ion:216 Resp: 1996

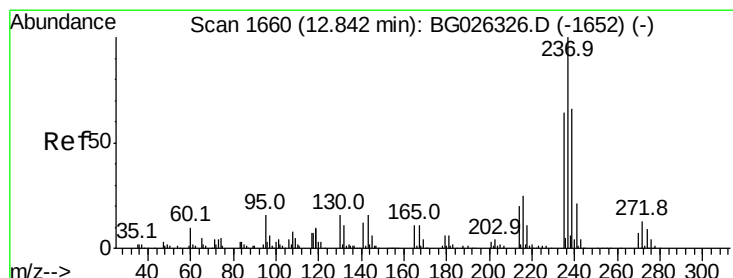
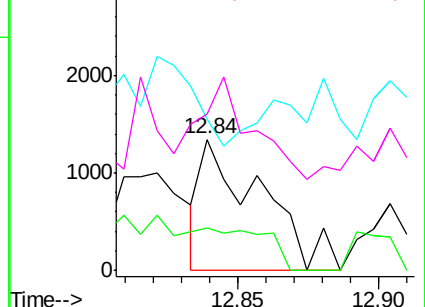
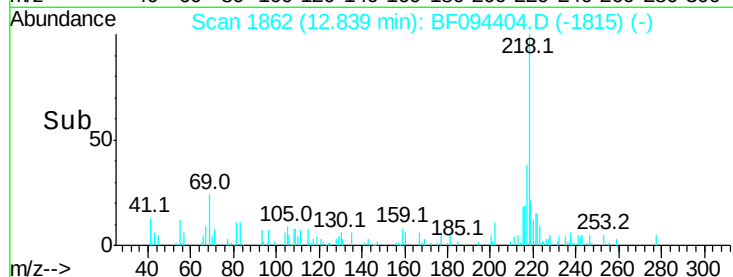
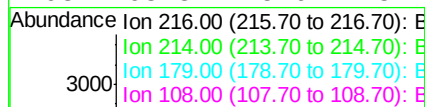
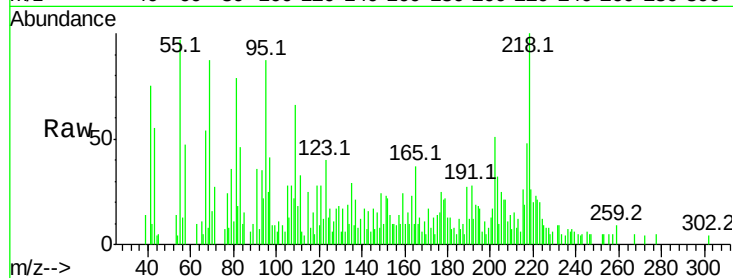
Ion Ratio Lower Upper

216 100

214 0.0 64.4 96.6#

179 0.0 17.4 26.0#

108 68.3 15.6 23.4#



#40

Hexachlorocyclopentadiene

Concen: 68.25 ng

RT: 12.85 min Scan# 1863

Delta R.T. 0.00 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

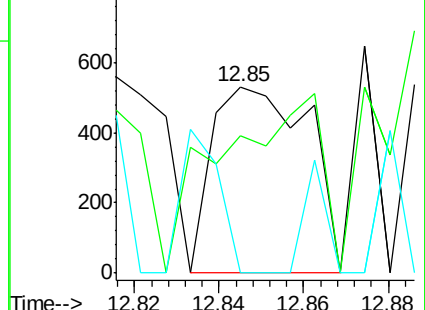
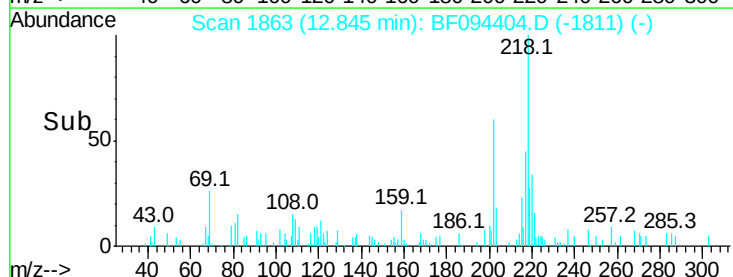
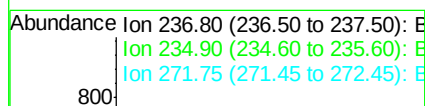
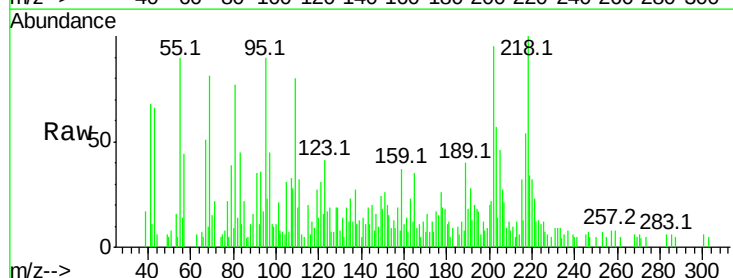
Tgt Ion:237 Resp: 842

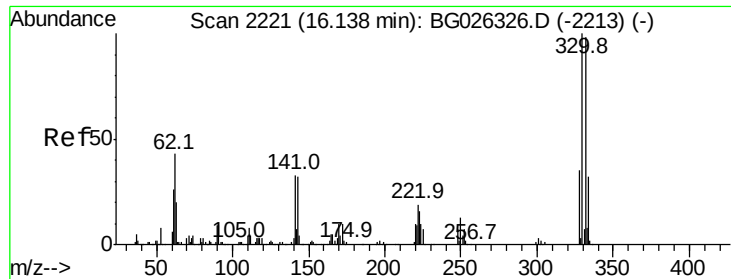
Ion Ratio Lower Upper

237 100

235 73.4 39.4 79.4

272 0.0 0.0 32.0





#41

2,4,6-Tribromophenol

Concen: 35.76 ng

RT: 16.16 min Scan# 2426

Delta R.T. 0.02 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

Instrument :

BNA_F

ClientSampleId :

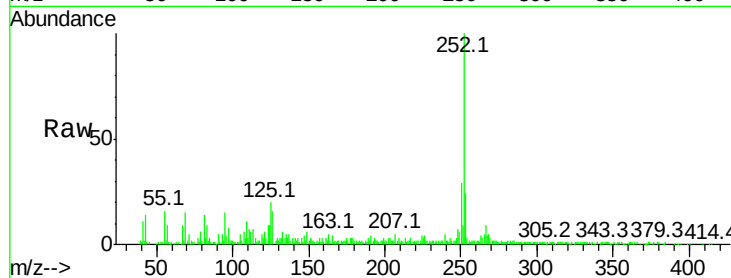
Tot Ion:330 Resp: 319

Ion Ratio Lower Upper

330 100

332 0.0 77.3 115.9#

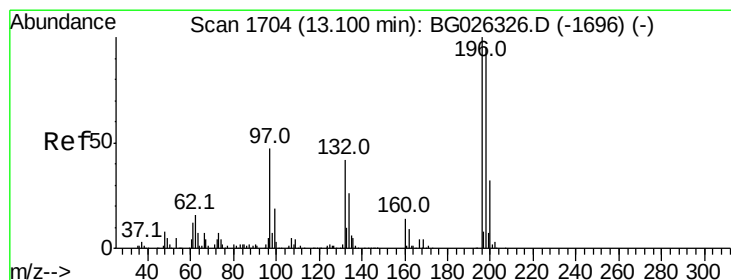
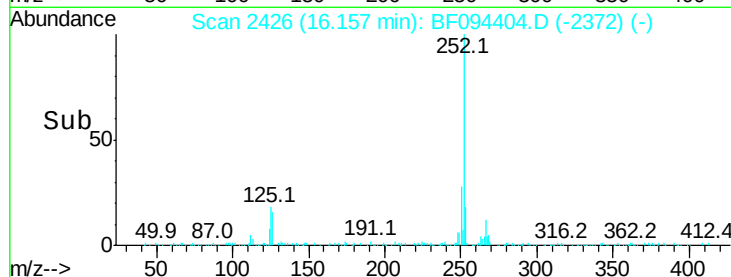
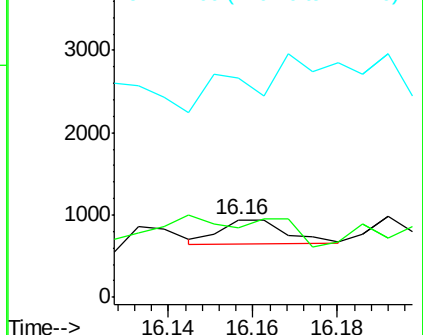
141 561.1 32.1 48.1#



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



#42

2,4,6-Trichlorophenol

Concen: 26.72 ng

RT: 13.09 min Scan# 1904

Delta R.T. -0.01 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

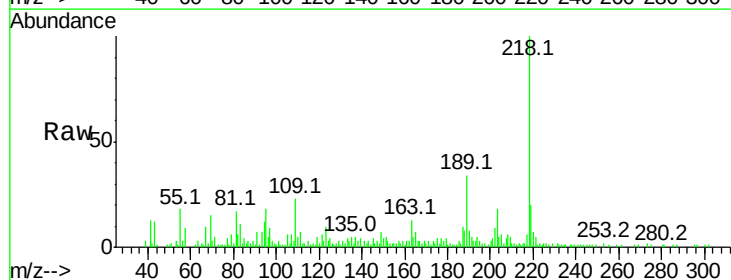
Tgt Ion:196 Resp: 410

Ion Ratio Lower Upper

196 100

198 0.0 81.4 122.2#

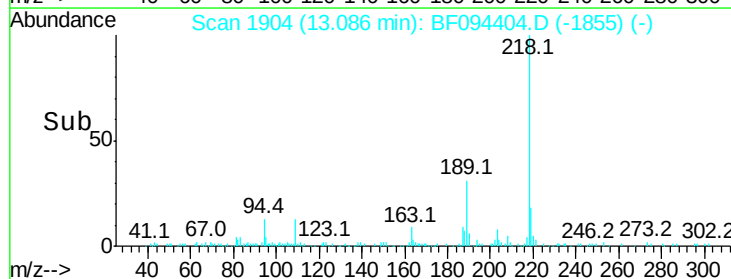
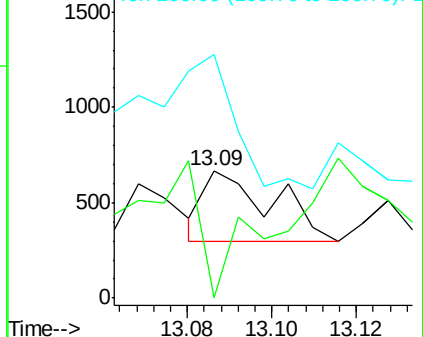
200 190.7 27.0 40.6#

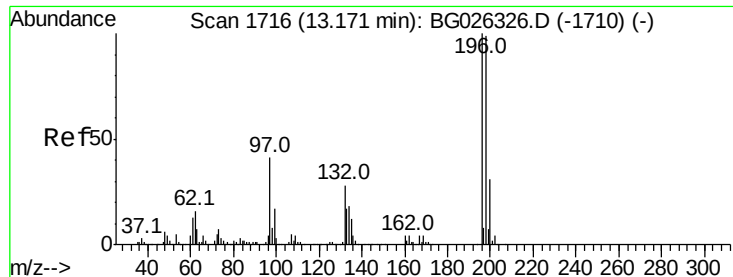


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

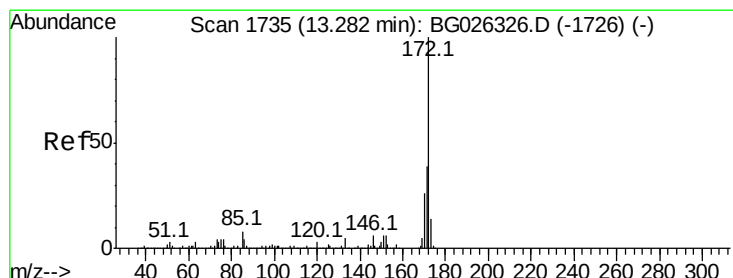
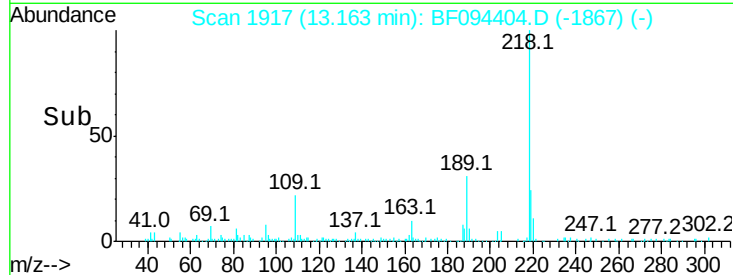
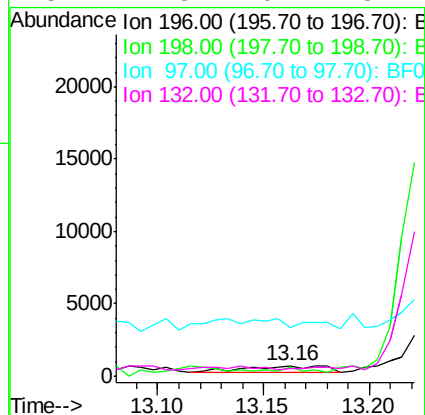
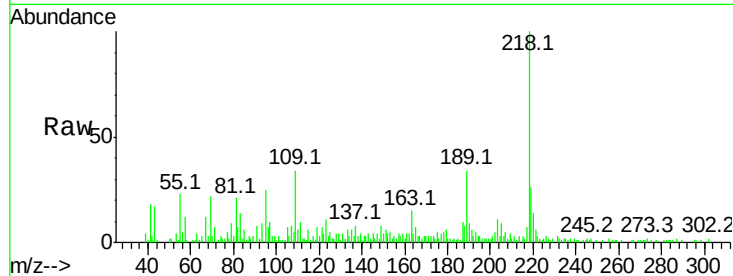




#43
2,4,5-Trichlorophenol
Concen: 59.25 ng
RT: 13.16 min Scan# 1917
Delta R.T. -0.01 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

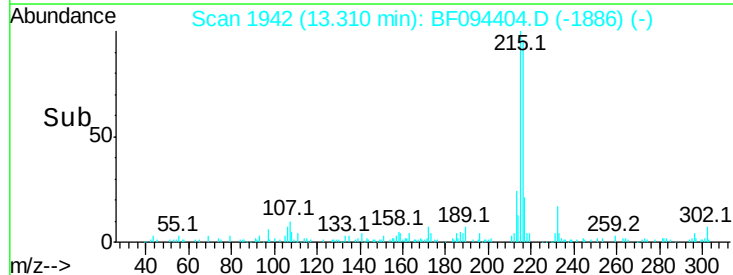
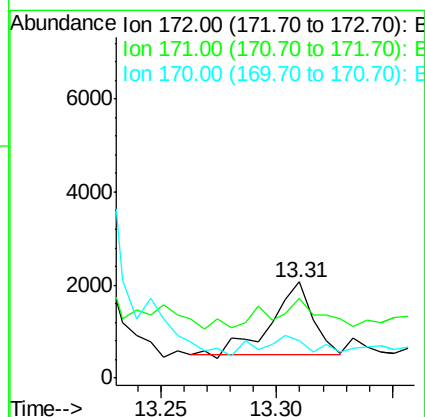
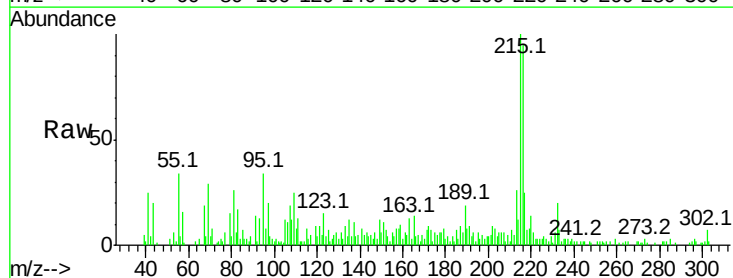
Instrument :
BNA_F
ClientSampled :

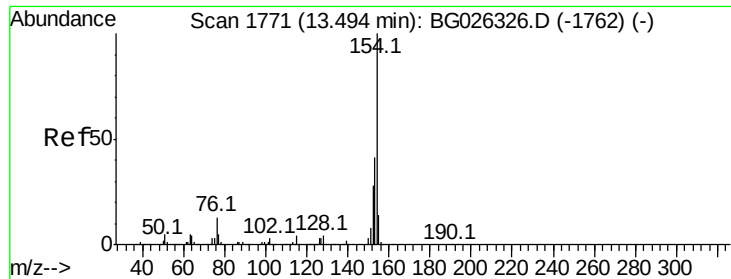
Tot Ion:196 Resp: 1005
Ion Ratio Lower Upper
196 100
198 86.1 79.9 119.9
97 460.3 45.4 68.0#
132 72.3 20.7 31.1#



#44
2-Fluorobiphenyl
Concen: 35.27 ng
RT: 13.31 min Scan# 1942
Delta R.T. 0.03 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

Tgt Ion:172 Resp: 1959
Ion Ratio Lower Upper
172 100
171 83.1 32.2 48.2#
170 39.7 21.8 32.6#





#45

1,1'-Biphenyl

Concen: 4.60 ng

RT: 13.52 min Scan# 1977

Delta R.T. 0.02 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

Instrument :

BNA_F

ClientSampled :

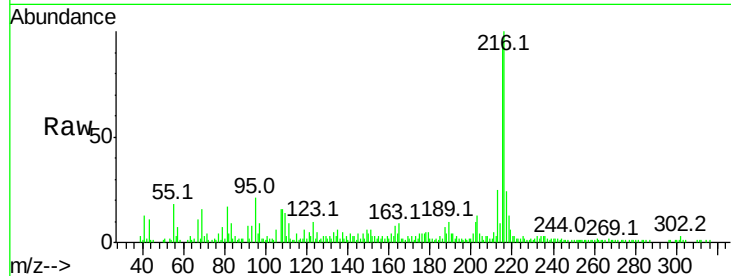
Tot Ion:154 Resp: 297

Ion Ratio Lower Upper

154 100

153 178.8 23.0 63.0#

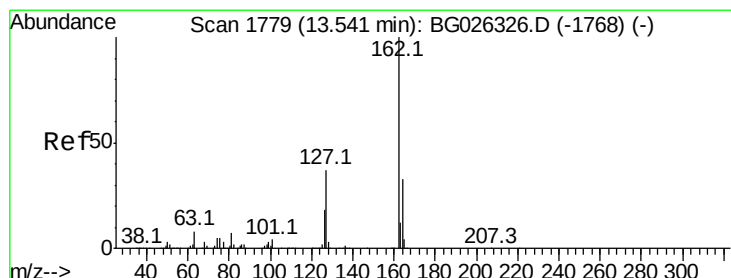
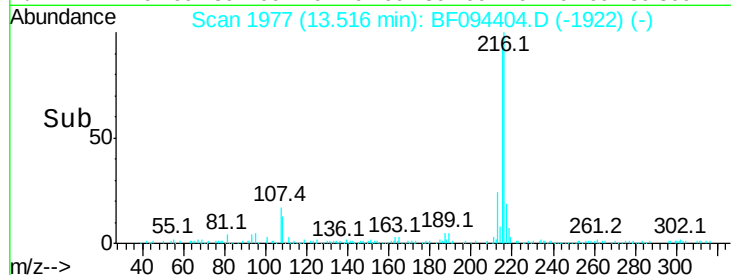
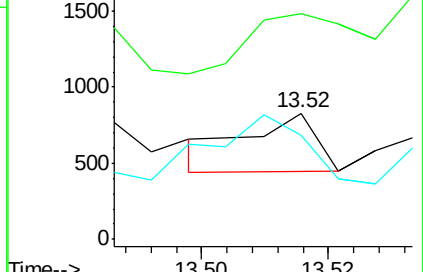
76 82.5 0.0 33.5#



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): BF0



#46

2-Chloronaphthalene

Concen: 30.41 ng

RT: 13.56 min Scan# 1984

Delta R.T. 0.02 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

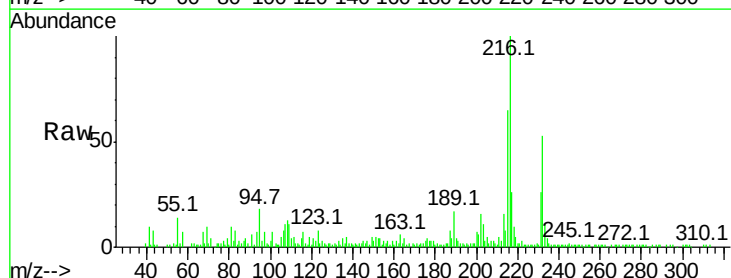
Tgt Ion:162 Resp: 1433

Ion Ratio Lower Upper

162 100

127 49.5 32.2 48.4#

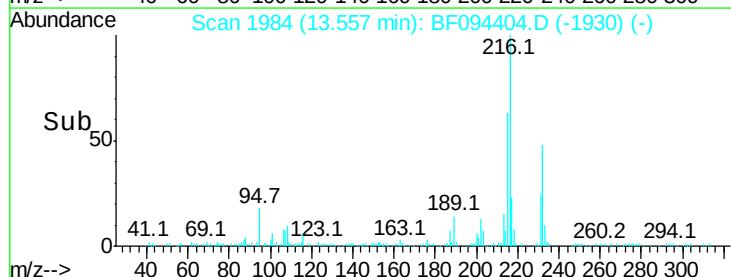
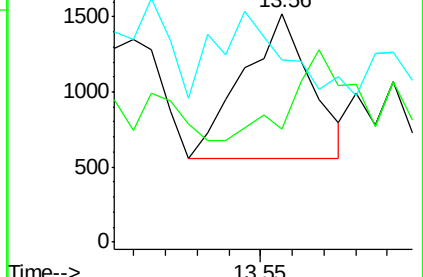
164 79.5 27.3 40.9#

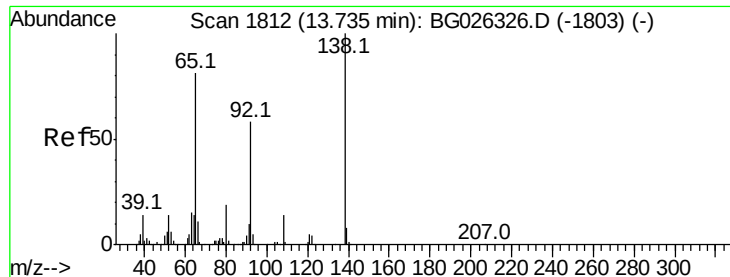


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 42.76 ng

RT: 13.62 min Scan# 1995

Delta R.T. -0.11 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

Instrument :

BNA_F

ClientSampled :

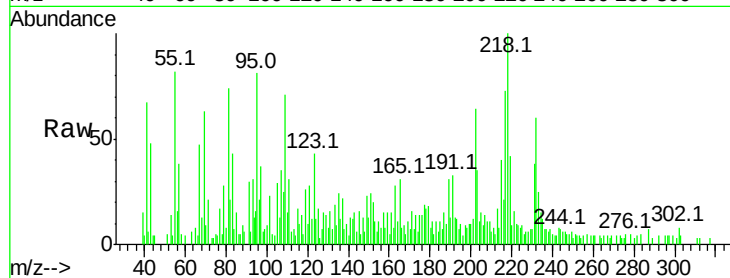
Tot Ion: 65 Resp: 573

Ion Ratio Lower Upper

65 100

92 71.0 49.0 73.4

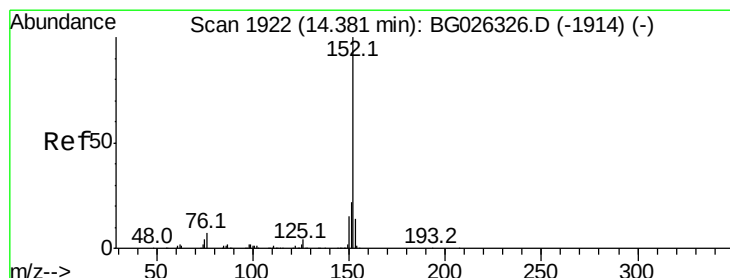
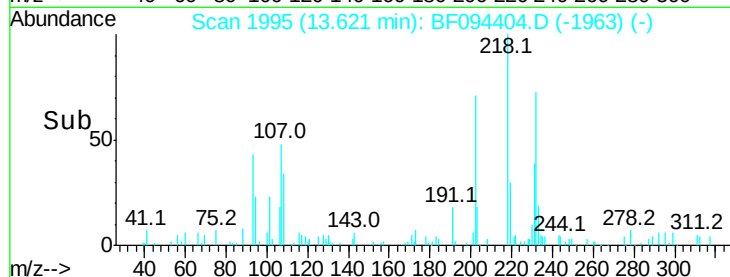
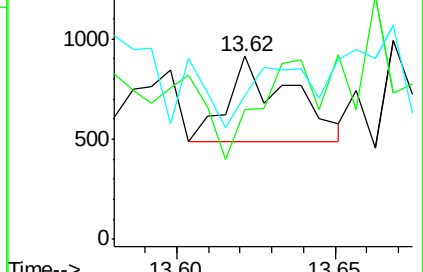
138 78.9 58.6 87.8



Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#48

Acenaphthylene

Concen: 11.44 ng

RT: 14.39 min Scan# 2125

Delta R.T. 0.01 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

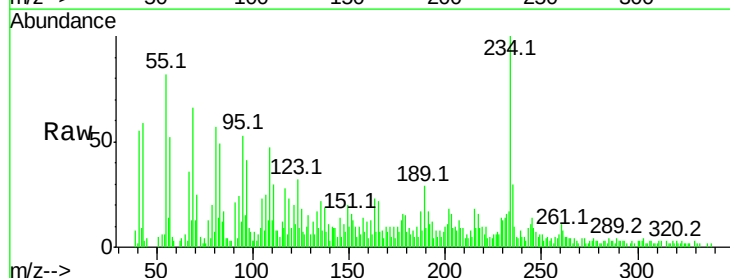
Tgt Ion: 152 Resp: 940

Ion Ratio Lower Upper

152 100

151 124.9 18.2 27.2#

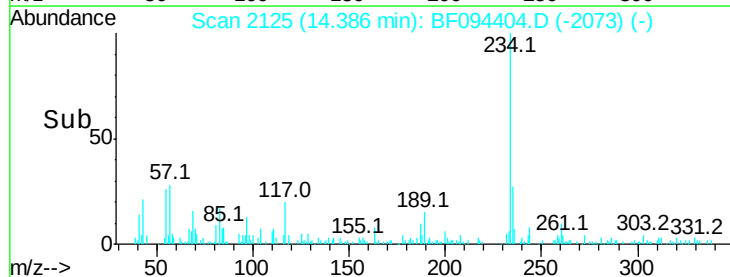
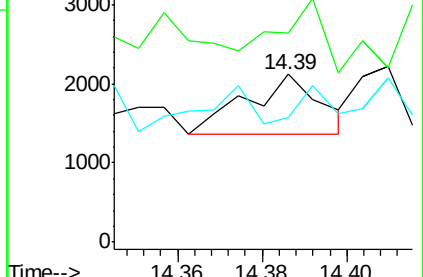
153 74.4 11.3 16.9#

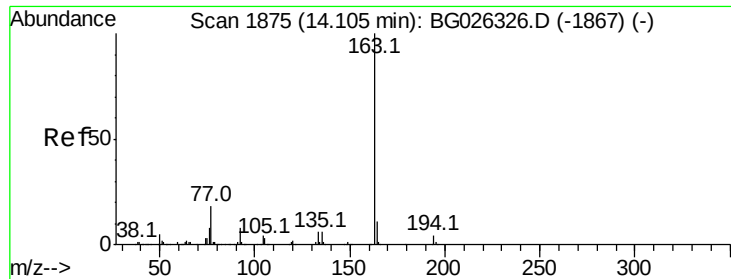


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 15.65 ng

RT: 14.10 min Scan# 2077

Delta R.T. -0.00 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

Instrument :

BNA_F

ClientSampleId :

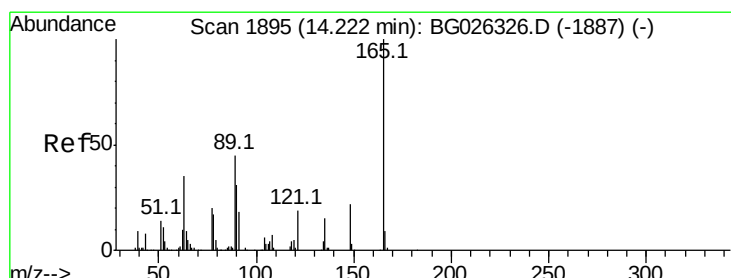
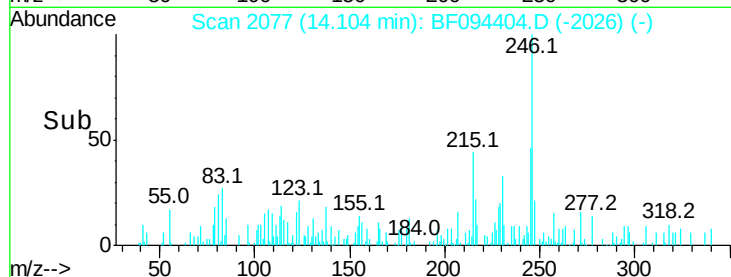
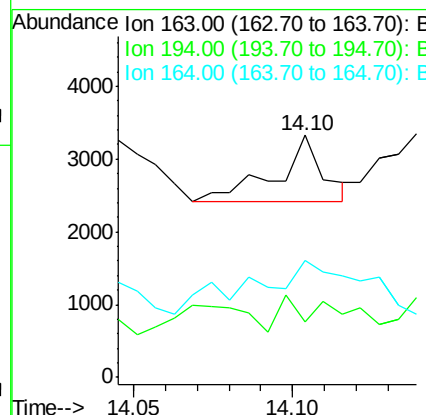
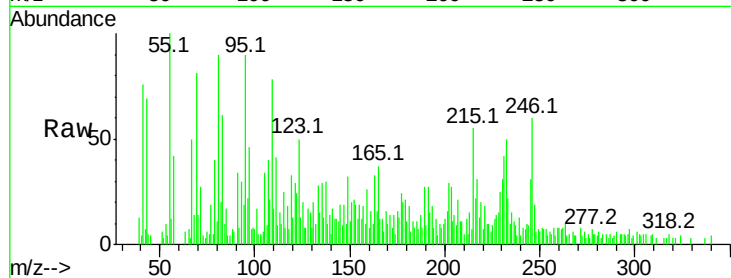
Tot Ion:163 Resp: 920

Ion Ratio Lower Upper

163 100

194 23.1 3.8 5.6#

164 48.2 9.3 13.9#



#50

2,6-Dinitrotoluene

Concen: 85.48 ng

RT: 14.23 min Scan# 2099

Delta R.T. 0.01 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

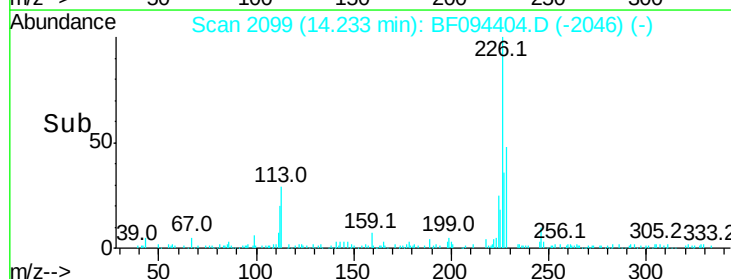
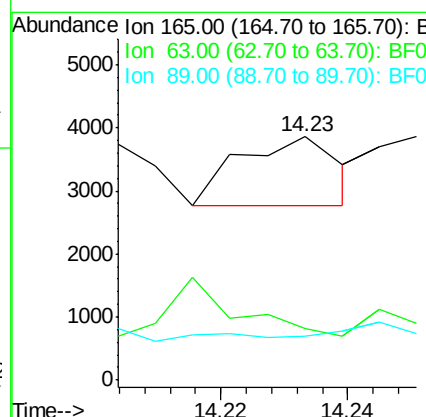
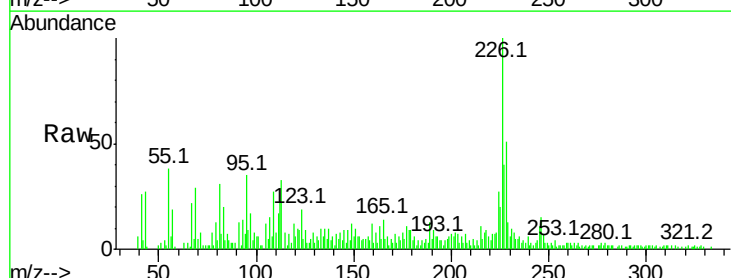
Tgt Ion:165 Resp: 1173

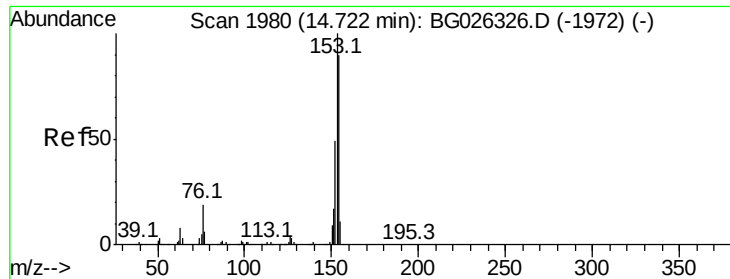
Ion Ratio Lower Upper

165 100

63 21.4 63.9 95.9#

89 18.3 58.6 88.0#





#51

Acenaphthene

Concen: 5.65 ng

RT: 14.73 min Scan# 2183

Delta R.T. 0.01 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

Instrument :

BNA_F

ClientSampleId :

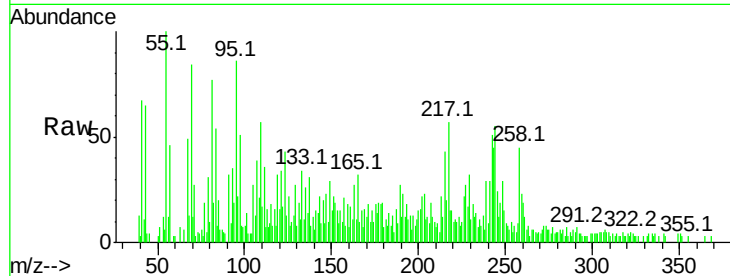
Tot Ion:154 Resp: 286

Ion Ratio Lower Upper

154 100

153 170.6 87.8 131.6#

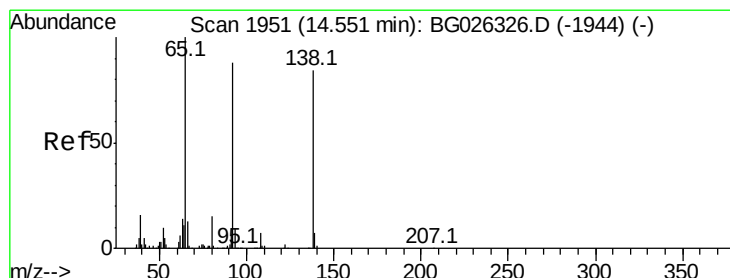
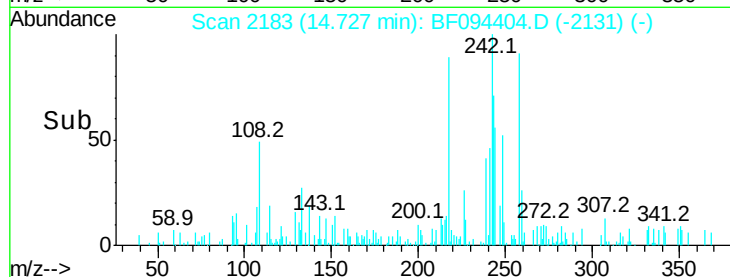
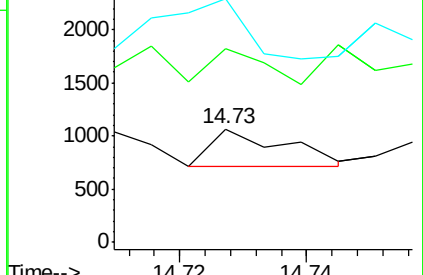
152 214.5 42.2 63.4#



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



#52

3-Nitroaniline

Concen: 26.34 ng

RT: 14.57 min Scan# 2156

Delta R.T. 0.02 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

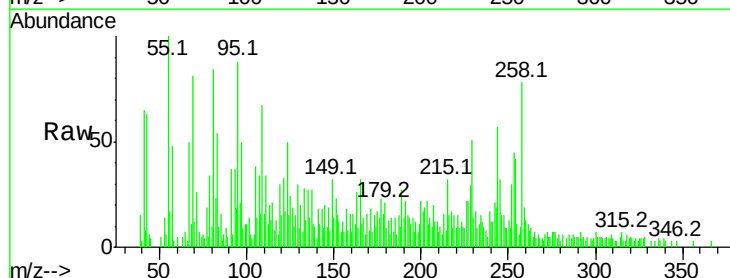
Tgt Ion:138 Resp: 398

Ion Ratio Lower Upper

138 100

108 152.2 10.9 16.3#

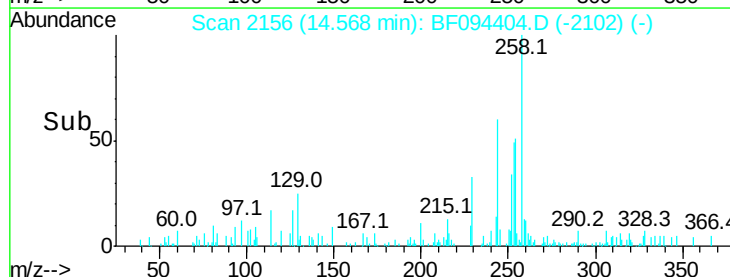
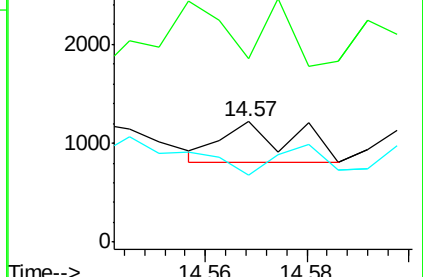
92 56.1 115.3 172.9#

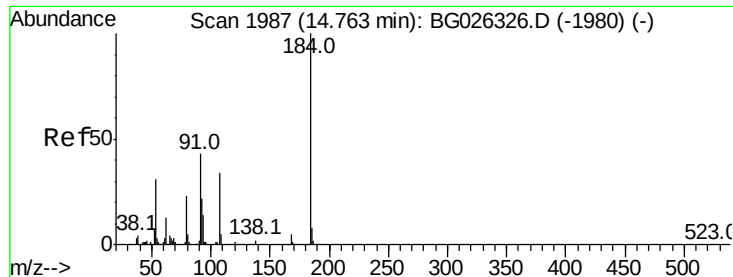


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

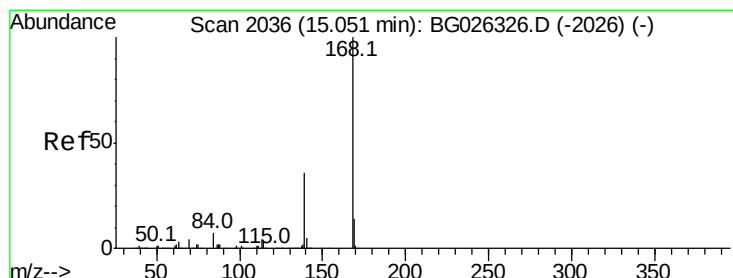
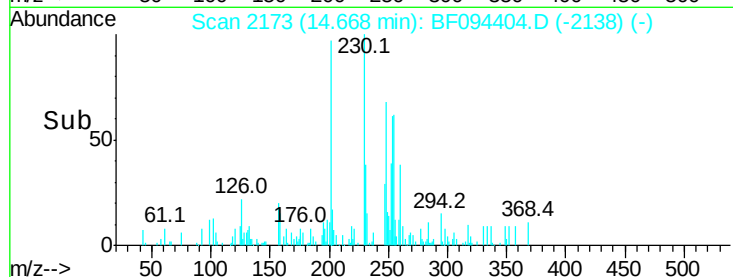
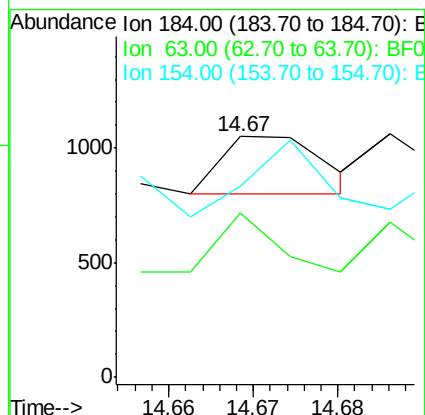
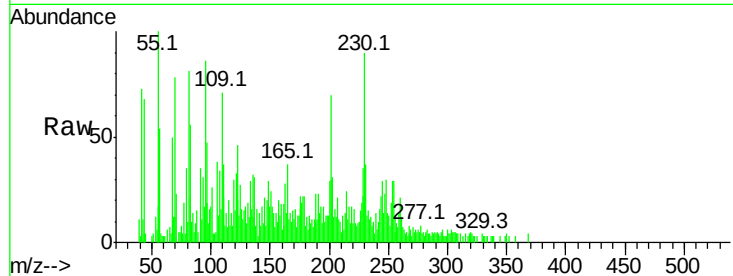




#53
2,4-Dinitrophenol
Concen: 26.25 ng
RT: 14.67 min Scan# 2173
Delta R.T. -0.09 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

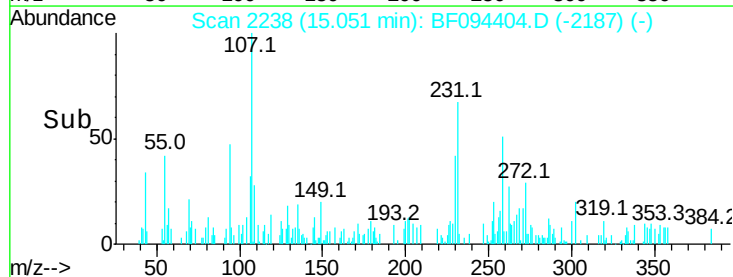
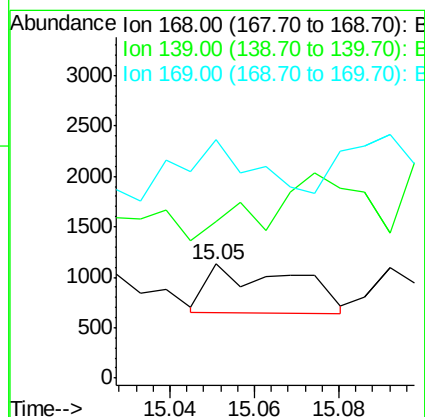
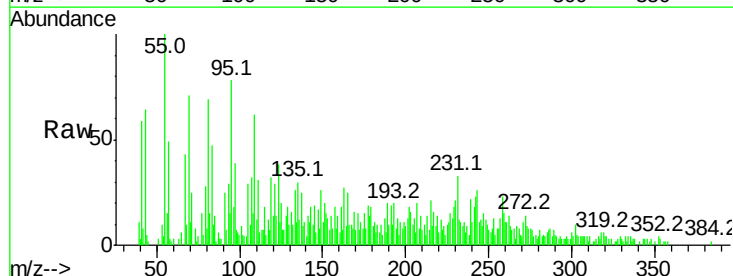
Instrument :
BNA_F
ClientSampleId :

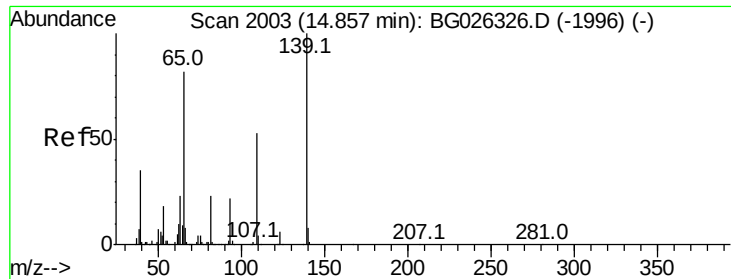
Tot Ion:184 Resp: 209
Ion Ratio Lower Upper
184 100
63 68.1 52.7 79.1
154 79.3 57.3 85.9



#54
Dibenzofuran
Concen: 9.51 ng
RT: 15.05 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

Tgt Ion:168 Resp: 677
Ion Ratio Lower Upper
168 100
139 137.4 35.3 52.9#
169 209.6 11.5 17.3#

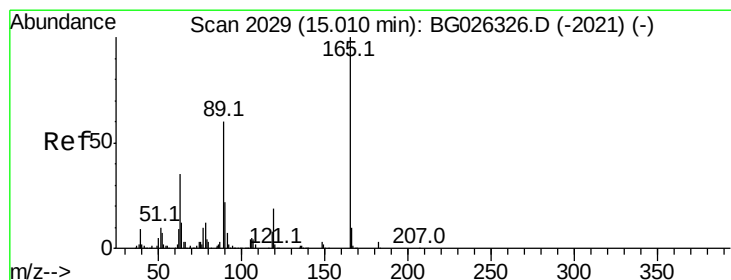
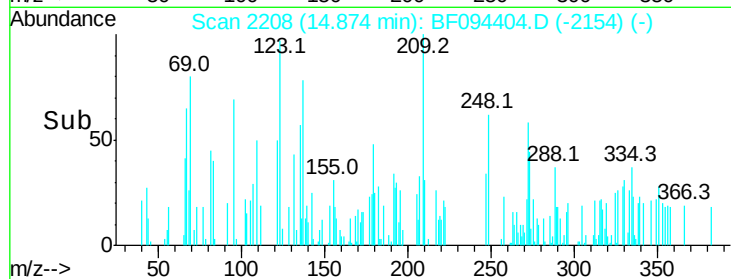
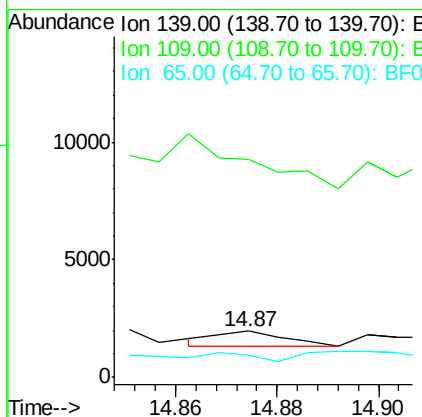
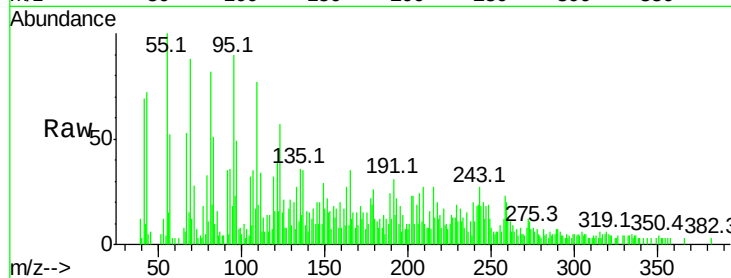




#55
4-Nitrophenol
Concen: 50.43 ng
RT: 14.87 min Scan# 2208
Delta R.T. 0.02 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

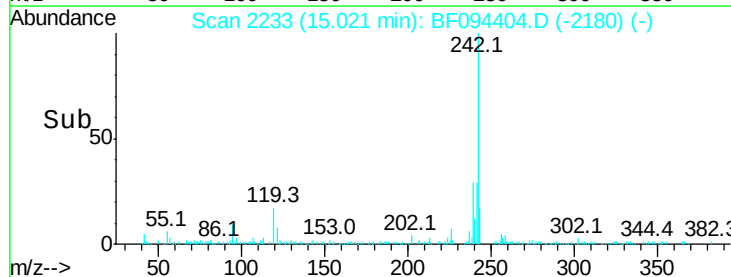
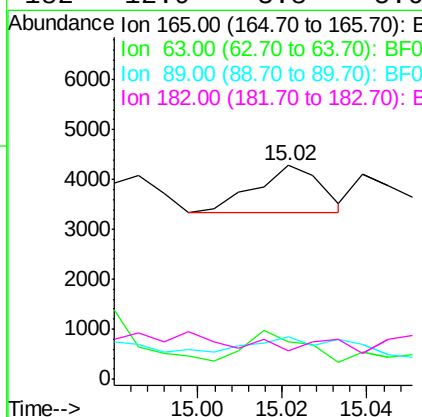
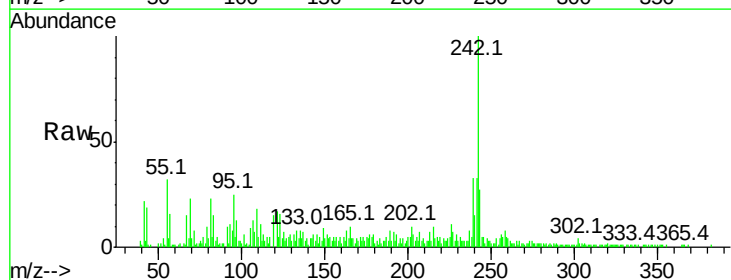
Instrument :
BNA_F
ClientSampled :

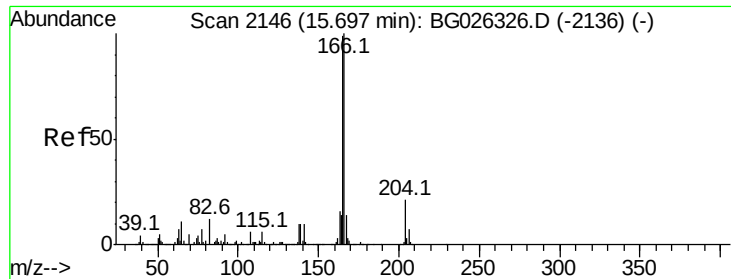
Tot Ion:139 Resp: 624
Ion Ratio Lower Upper
139 100
109 473.3 101.2 141.2#
65 48.9 135.3 175.3#



#56
2,4-Dinitrotoluene
Concen: 52.33 ng
RT: 15.02 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

Tgt Ion:165 Resp: 1010
Ion Ratio Lower Upper
165 100
63 17.4 44.0 66.0#
89 19.6 67.3 100.9#
182 12.9 3.8 5.6#

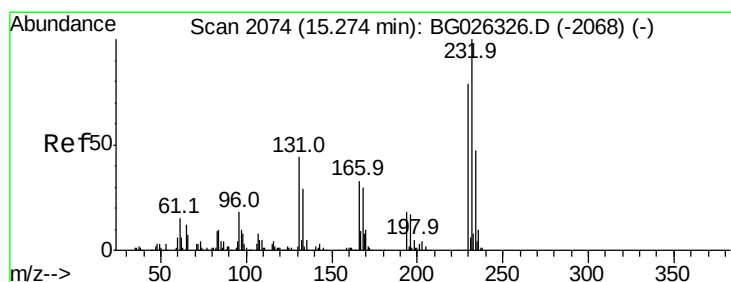
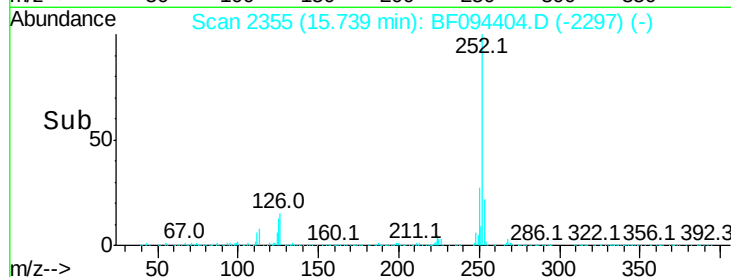
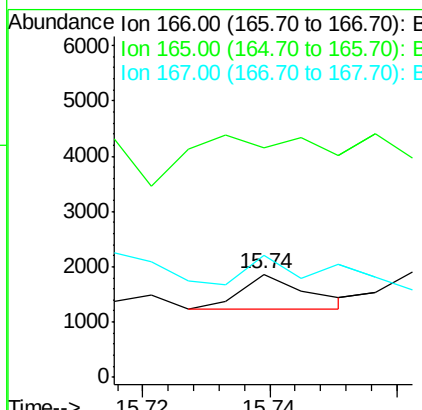
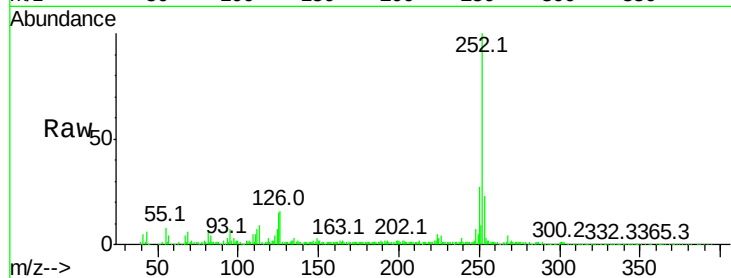




#57
 Fluorene
 Concen: 7.29 ng
 RT: 15.74 min Scan# 2355
 Delta R.T. 0.04 min
 Lab File: BF094404.D
 Acq: 13 Apr 2017 21:34

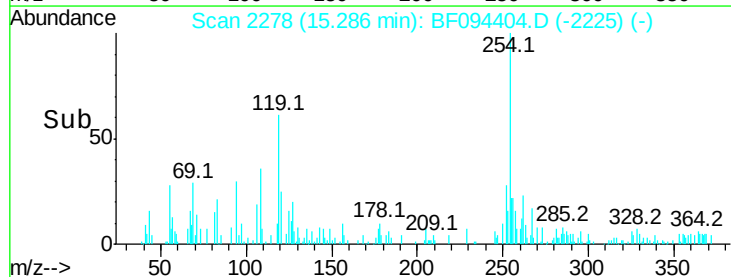
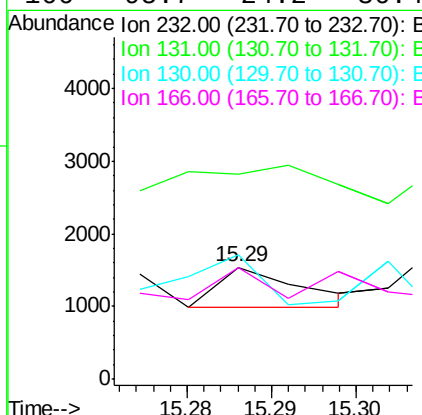
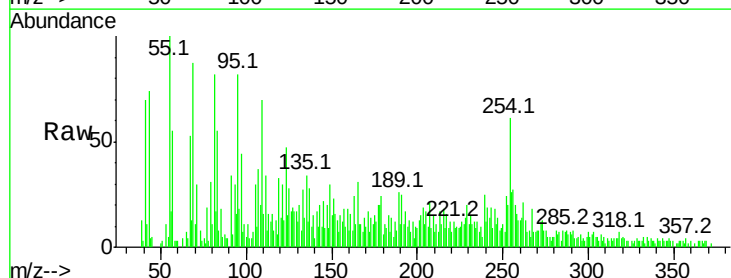
Instrument :
 BNA_F
 ClientSampled :

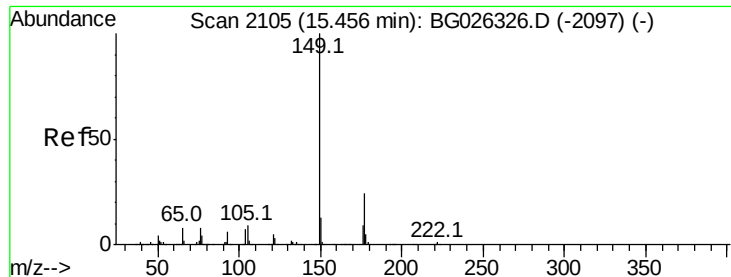
Tot Ion:166 Resp: 462
 Ion Ratio Lower Upper
 166 100
 165 223.0 78.6 117.8#
 167 117.9 11.6 17.4#



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 25.41 ng
 RT: 15.29 min Scan# 2278
 Delta R.T. 0.01 min
 Lab File: BF094404.D
 Acq: 13 Apr 2017 21:34

Tgt Ion:232 Resp: 376
 Ion Ratio Lower Upper
 232 100
 131 171.8 34.9 52.3#
 130 402.4 2.3 3.5#
 166 95.7 24.2 36.4#





#59

Diethylphthalate

Concen: 20.68 ng

RT: 15.50 min Scan# 2315

Delta R.T. 0.05 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

Instrument :

BNA_F

ClientSampled :

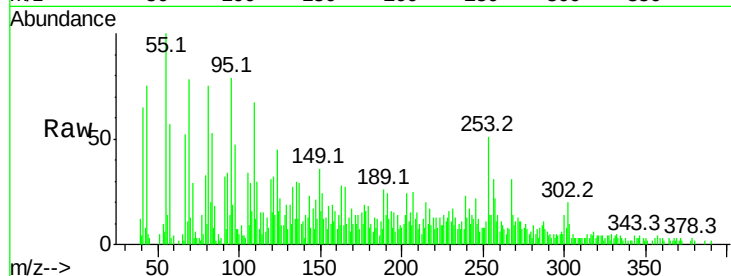
Tot Ion:149 Resp: 1243

Ion Ratio Lower Upper

149 100

177 52.6 20.1 30.1#

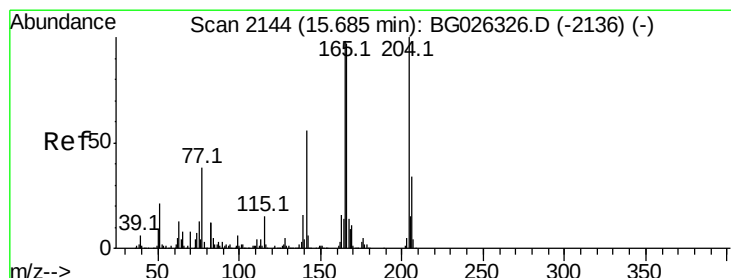
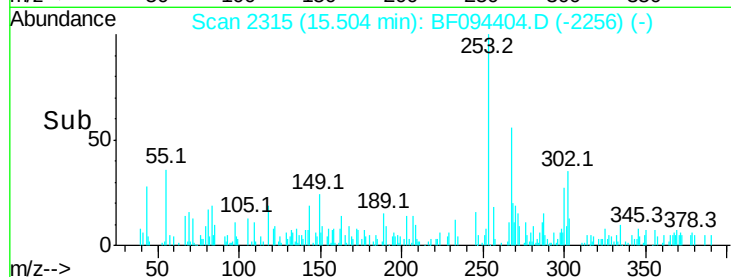
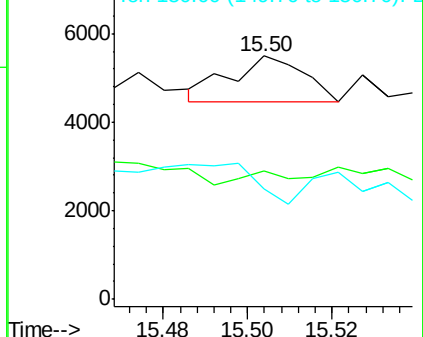
150 45.6 10.2 15.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 16.05 ng

RT: 15.68 min Scan# 2345

Delta R.T. -0.01 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

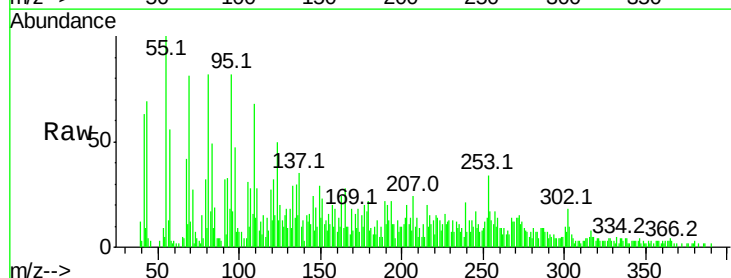
Tgt Ion:204 Resp: 482

Ion Ratio Lower Upper

204 100

206 78.8 30.1 45.1#

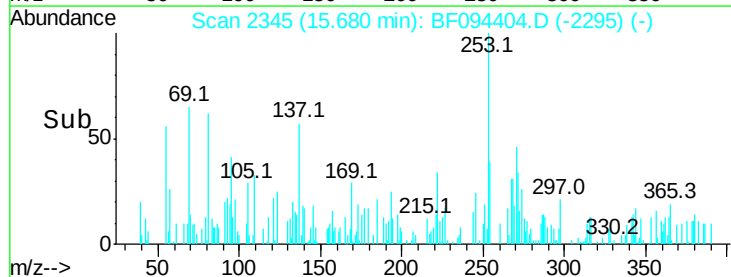
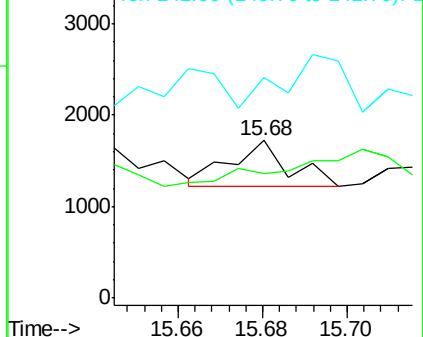
141 139.8 50.6 76.0#

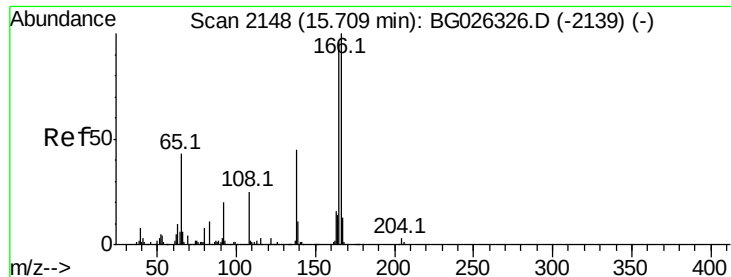


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

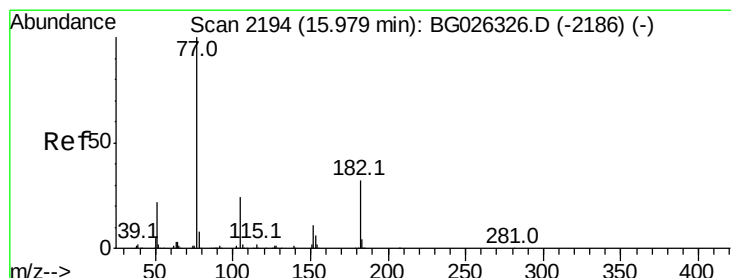
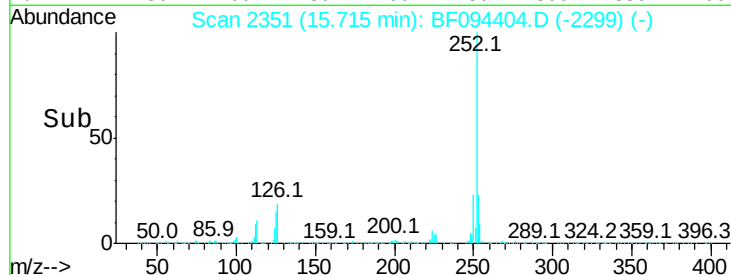
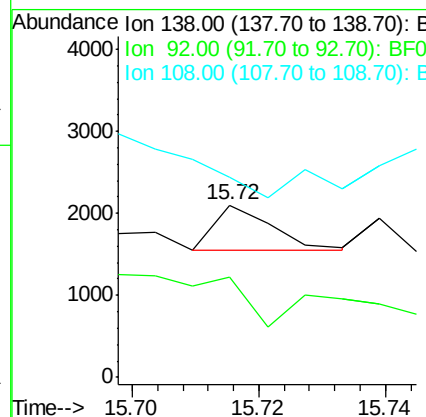
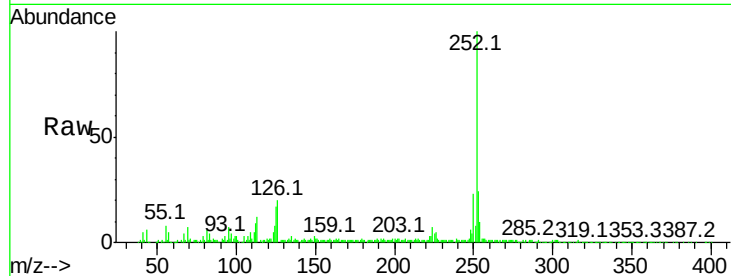




#61
4-Nitroaniline
Concen: 21.33 ng
RT: 15.72 min Scan# 2351
Delta R.T. 0.01 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

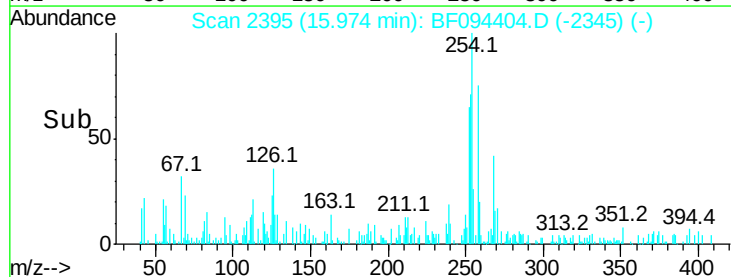
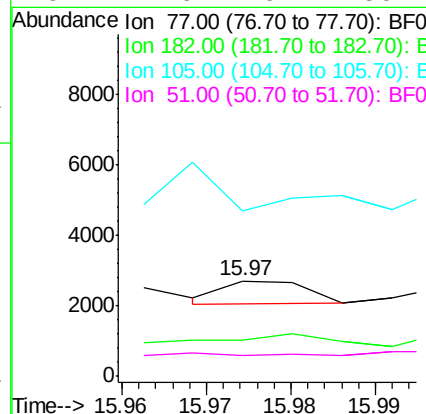
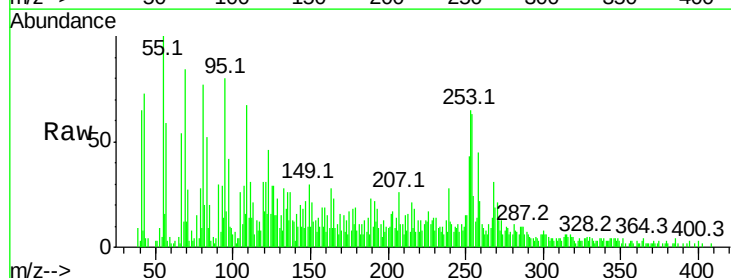
Instrument :
BNA_F
ClientSampleId :

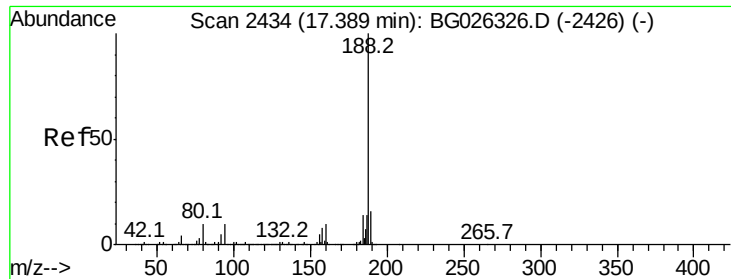
Tot Ion:138 Resp: 341
Ion Ratio Lower Upper
138 100
92 58.4 44.2 84.2
108 116.1 104.8 144.8



#62
Azobenzene
Concen: 9.15 ng
RT: 15.97 min Scan# 2395
Delta R.T. -0.00 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

Tgt Ion: 77 Resp: 447
Ion Ratio Lower Upper
77 100
182 37.1 4.7 44.7
105 173.1 0.0 36.3#
51 21.6 16.4 56.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.39 min Scan# 2636

Delta R.T. 0.00 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

Instrument :

BNA_F

ClientSampled :

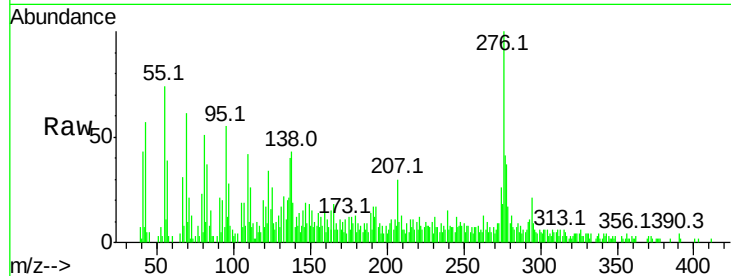
Tot Ion:188 Resp: 275

Ion Ratio Lower Upper

188 100

94 130.2 5.8 8.8#

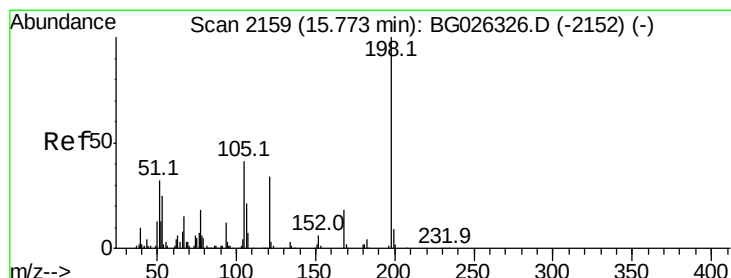
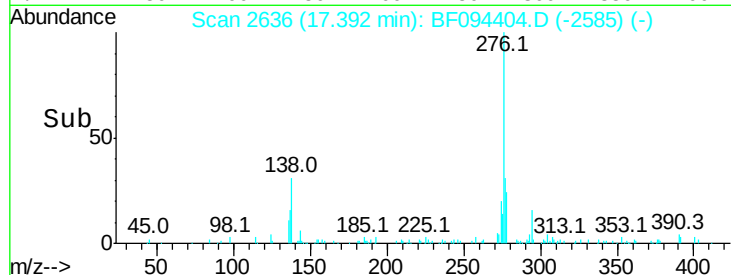
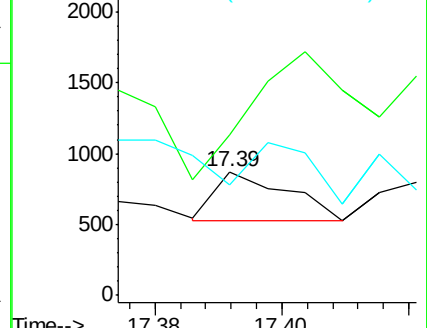
80 89.2 7.5 11.3#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 404.32 ng

RT: 15.79 min Scan# 2363

Delta R.T. 0.01 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

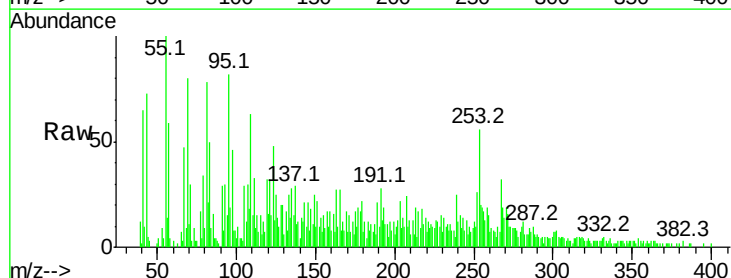
Tgt Ion:198 Resp: 701

Ion Ratio Lower Upper

198 100

51 48.7 22.6 62.6

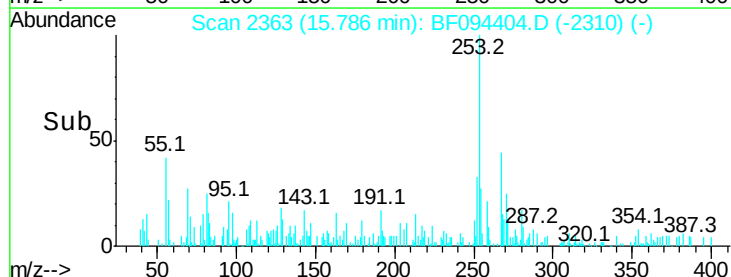
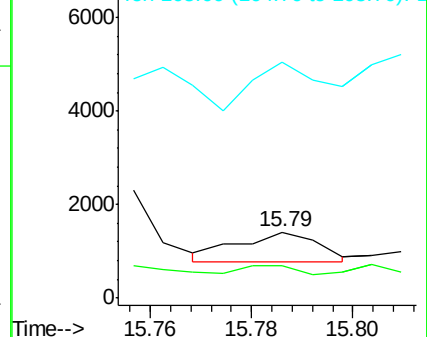
105 356.8 14.4 54.4#

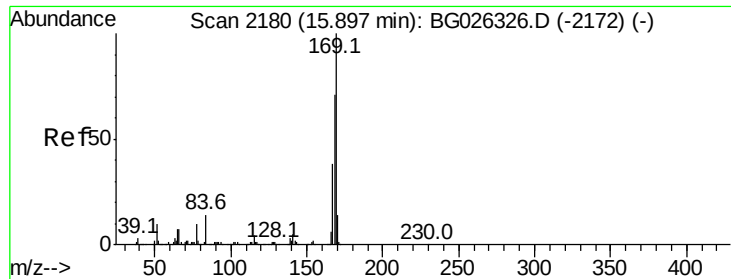


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

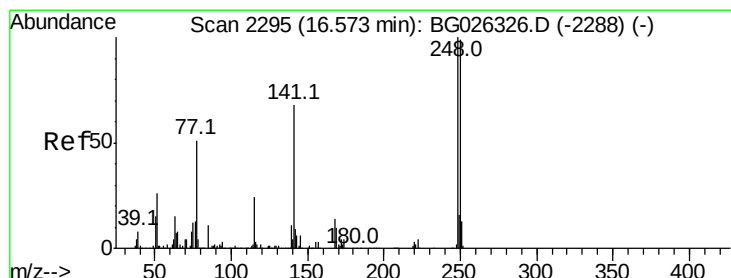
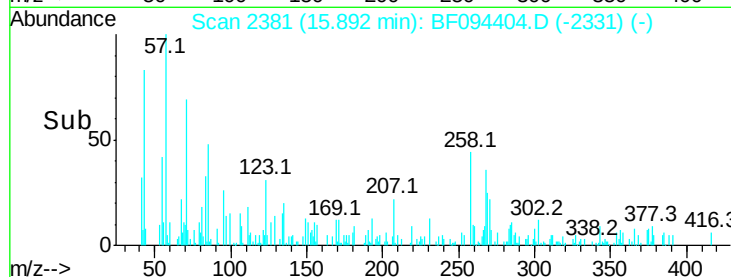
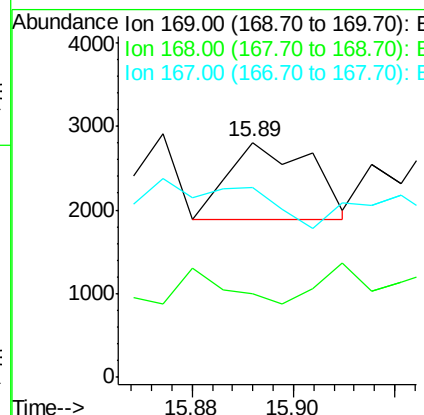
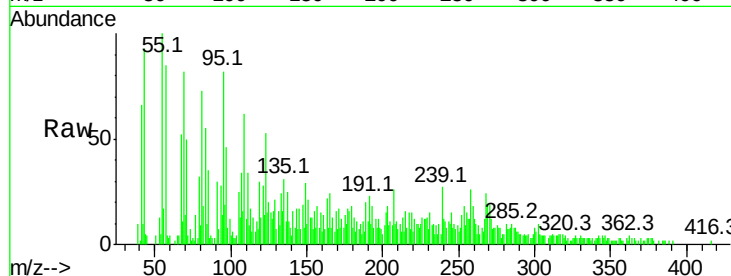




#65
n-Nitrosodiphenylamine
Concen: 127.25 ng
RT: 15.89 min Scan# 2381
Delta R.T. -0.00 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

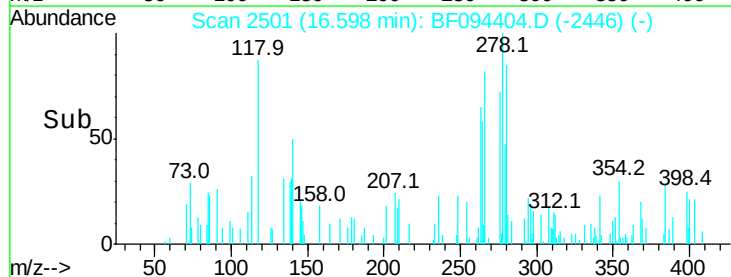
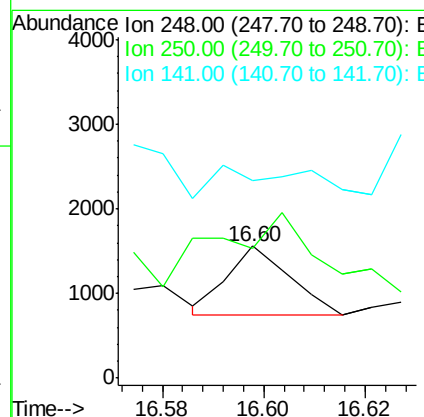
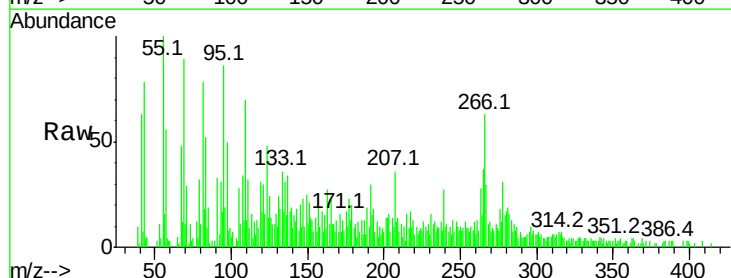
Instrument :
BNA_F
ClientSampleId :

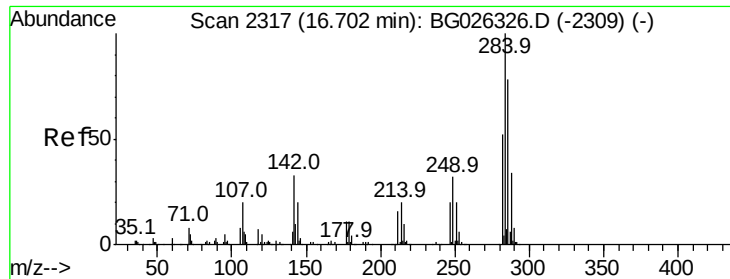
Tot Ion:169 Resp: 1027
Ion Ratio Lower Upper
169 100
168 35.5 55.7 83.5#
167 80.9 29.8 44.6#



#66
4-Bromophenyl-phenylether
Concen: 245.89 ng
RT: 16.60 min Scan# 2501
Delta R.T. 0.03 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

Tgt Ion:248 Resp: 696
Ion Ratio Lower Upper
248 100
250 97.9 75.0 112.6
141 149.4 55.2 82.8#





#67

Hexachlorobenzene

Concen: 418.63 ng

RT: 16.71 min Scan# 2520

Delta R.T. 0.01 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

Instrument :

BNA_F

ClientSampled :

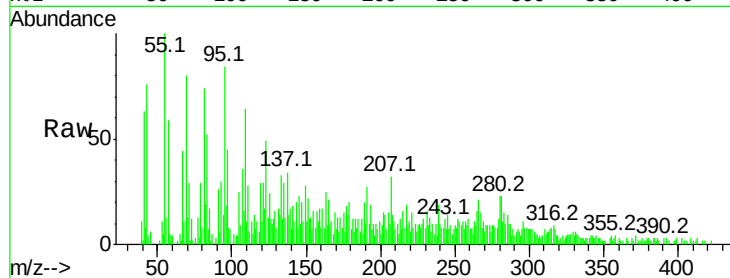
Tot Ion:284 Resp: 1264

Ion Ratio Lower Upper

284 100

142 109.0 29.9 44.9#

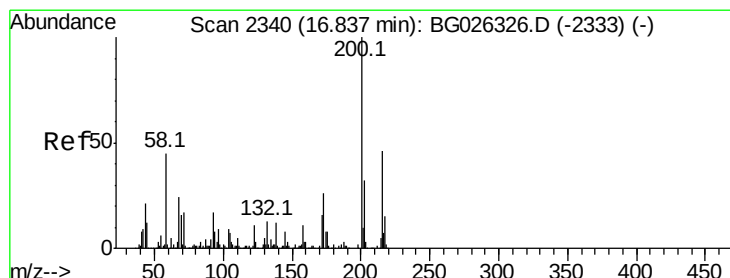
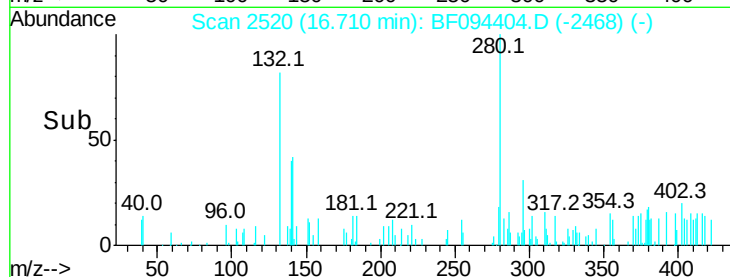
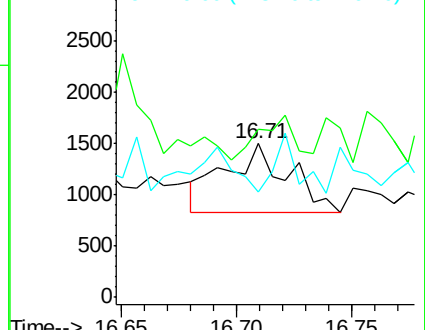
249 68.4 29.2 43.8#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 125.03 ng

RT: 16.83 min Scan# 2540

Delta R.T. -0.01 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

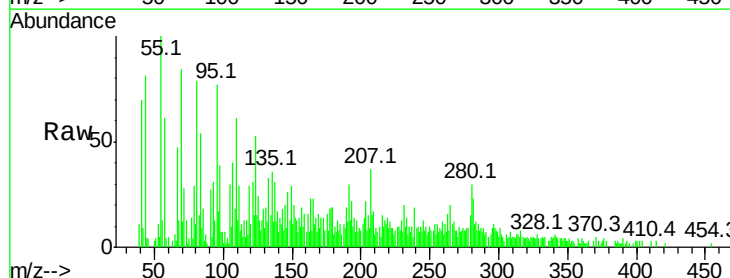
Tgt Ion:200 Resp: 382

Ion Ratio Lower Upper

200 100

173 187.9 3.0 43.0#

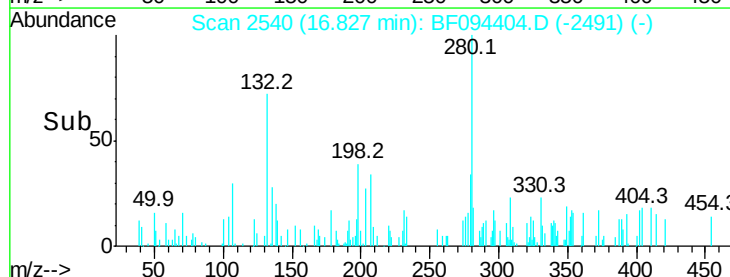
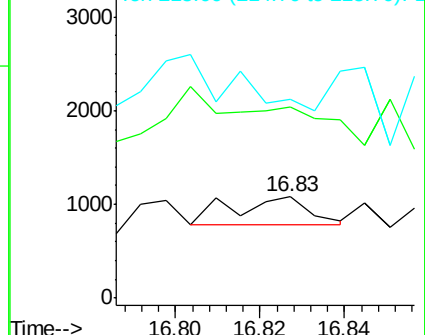
215 196.5 28.4 68.4#

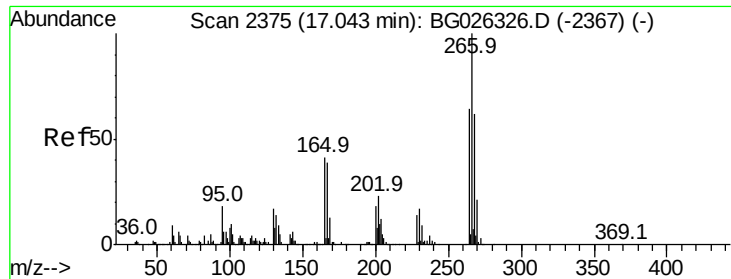


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 974.99 ng

RT: 16.94 min Scan# 2559

Delta R.T. -0.10 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

Instrument :

BNA_F

ClientSampleId :

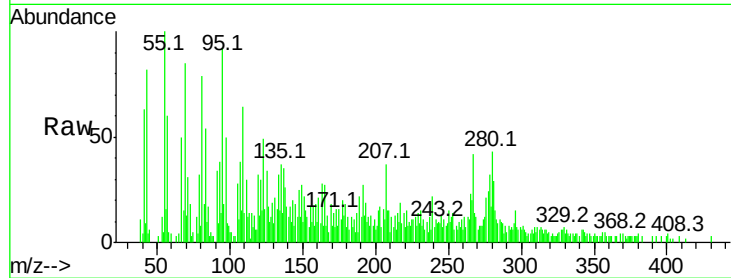
Tot Ion:266 Resp: 1914

Ion Ratio Lower Upper

266 100

268 69.6 48.6 72.8

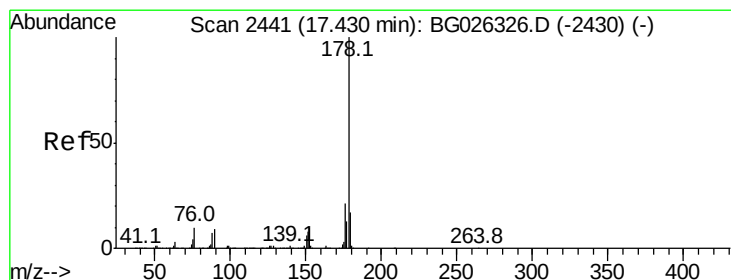
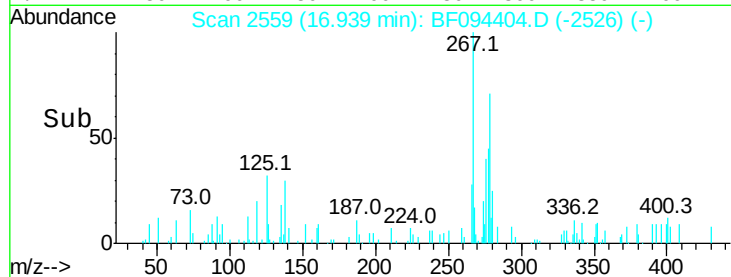
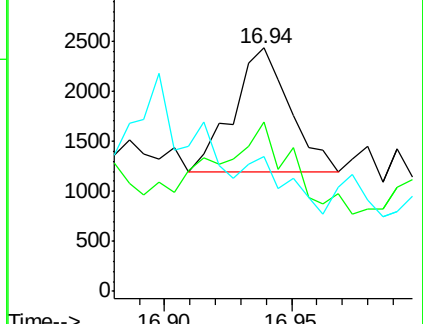
264 55.6 50.1 75.1



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



#70

Phenanthrene

Concen: 61.76 ng

RT: 17.43 min Scan# 2643

Delta R.T. 0.00 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

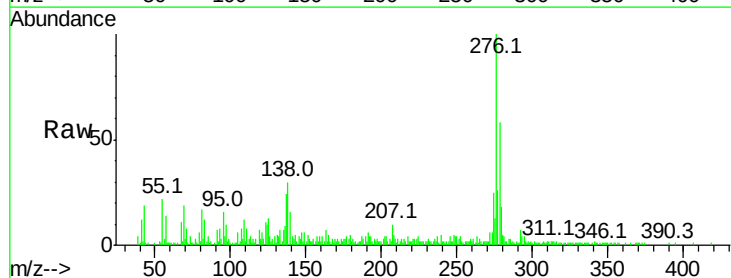
Tgt Ion:178 Resp: 912

Ion Ratio Lower Upper

178 100

176 74.6 17.7 26.5#

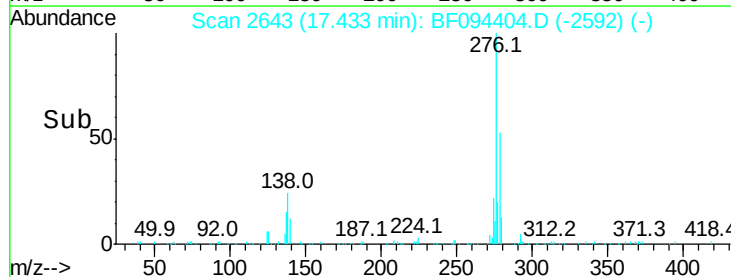
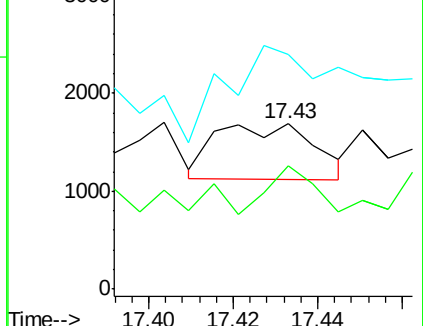
179 142.3 15.0 22.6#

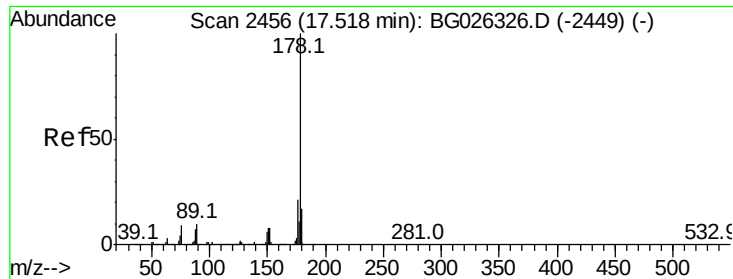


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

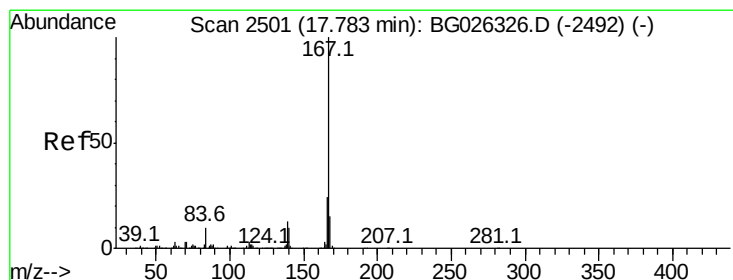
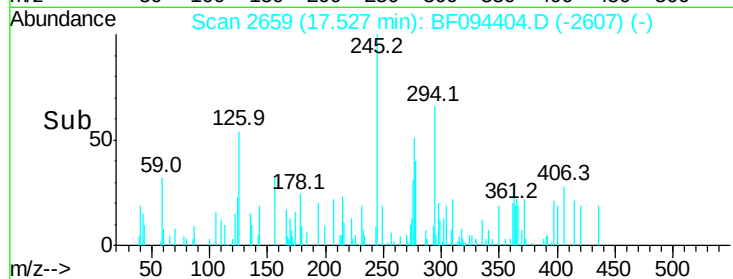
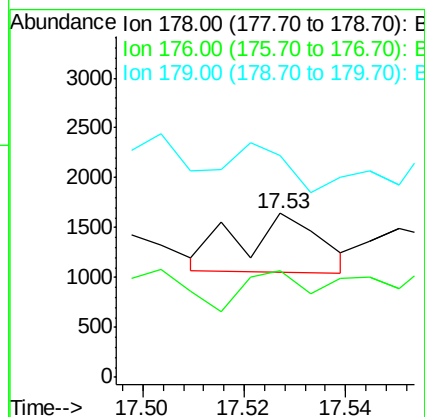
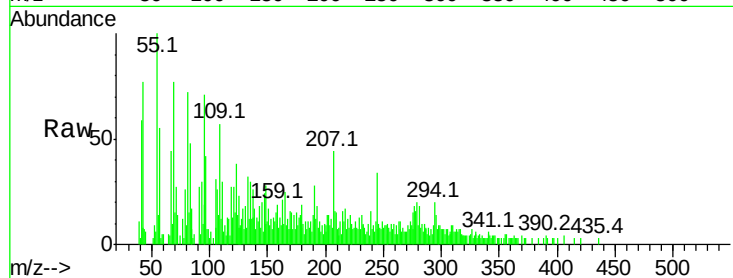




#71
 Anthracene
 Concen: 43.41 ng
 RT: 17.53 min Scan# 2659
 Delta R.T. 0.01 min
 Lab File: BF094404.D
 Acq: 13 Apr 2017 21:34

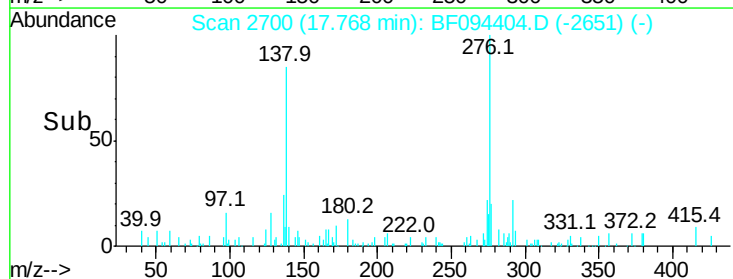
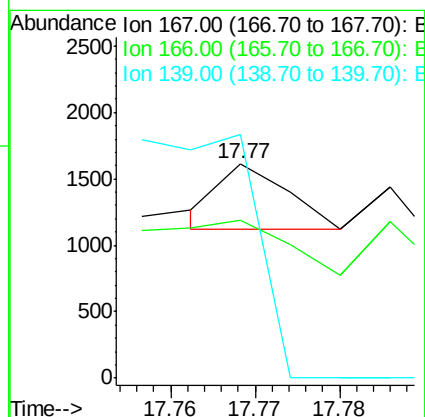
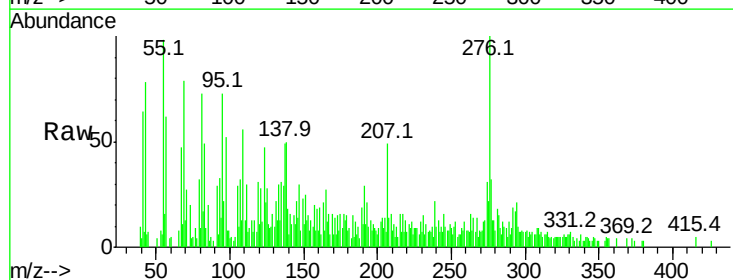
Instrument :
 BNA_F
 ClientSampleId :

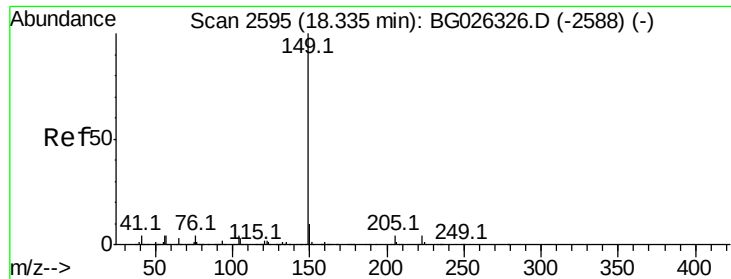
Tot Ion:178 Resp: 654
 Ion Ratio Lower Upper
 178 100
 176 65.3 16.4 24.6#
 179 134.9 13.8 20.8#



#72
 Carbazole
 Concen: 17.60 ng
 RT: 17.77 min Scan# 2700
 Delta R.T. -0.01 min
 Lab File: BF094404.D
 Acq: 13 Apr 2017 21:34

Tgt Ion:167 Resp: 273
 Ion Ratio Lower Upper
 167 100
 166 73.4 20.2 30.2#
 139 113.4 12.8 19.2#

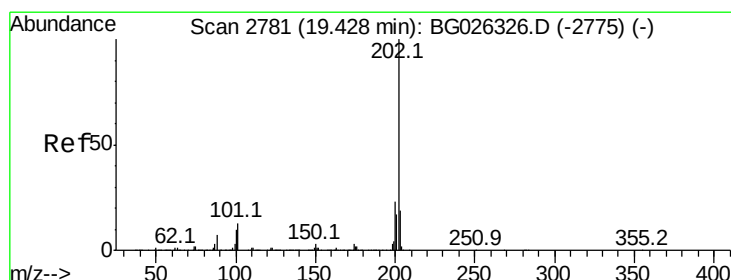
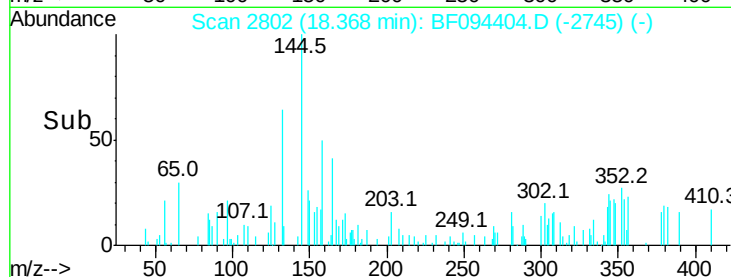
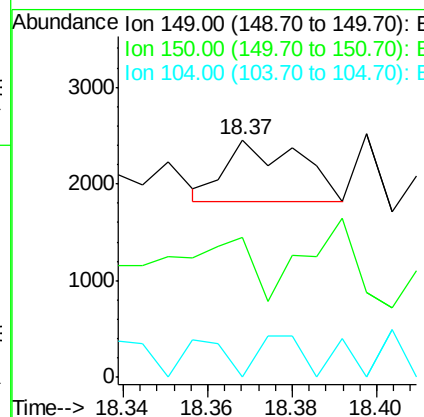
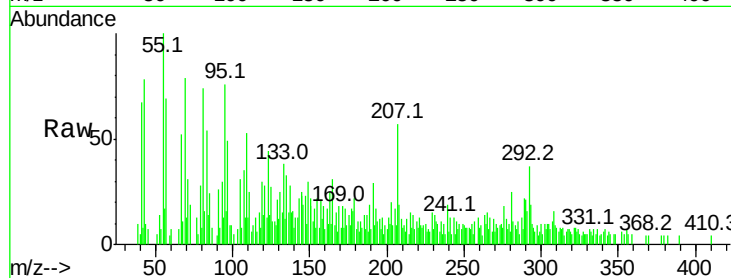




#73
Di-n-butylphthalate
Concen: 48.63 ng
RT: 18.37 min Scan# 2802
Delta R.T. 0.03 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

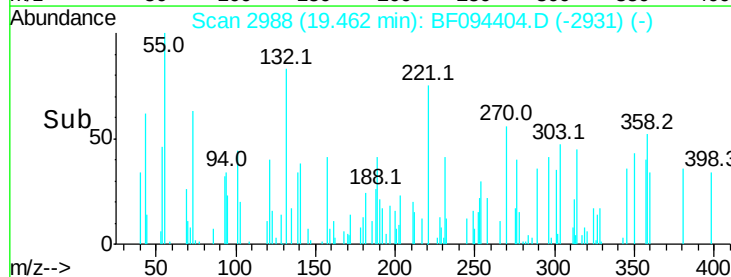
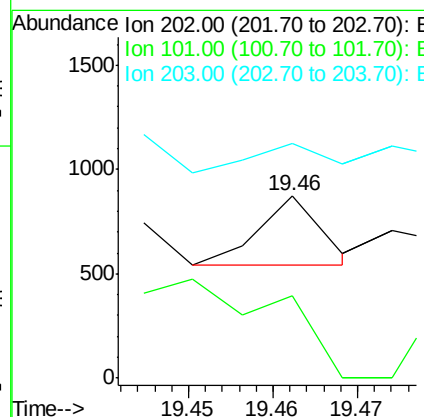
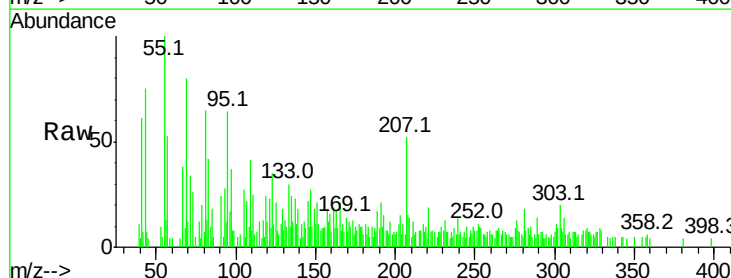
Instrument :
BNA_F
ClientSampleId :

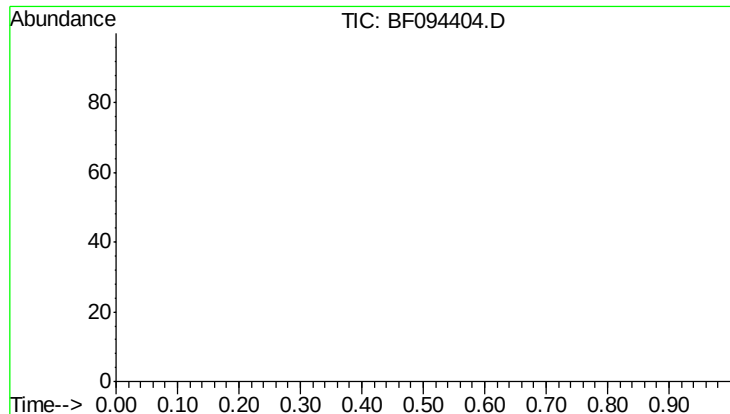
Tot Ion:149 Resp: 775
Ion Ratio Lower Upper
149 100
150 58.8 9.1 13.7#
104 0.0 6.7 10.1#



#74
Fluoranthene
Concen: 9.79 ng
RT: 19.46 min Scan# 2988
Delta R.T. 0.03 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

Tgt Ion:202 Resp: 170
Ion Ratio Lower Upper
202 100
101 44.9 0.0 30.1#
203 128.4 1.3 41.3#

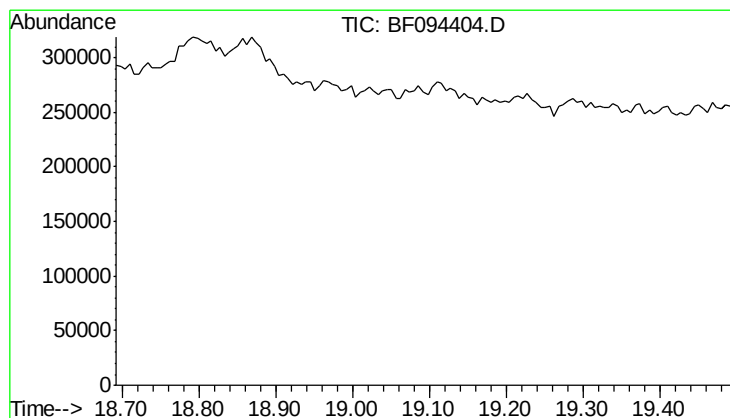
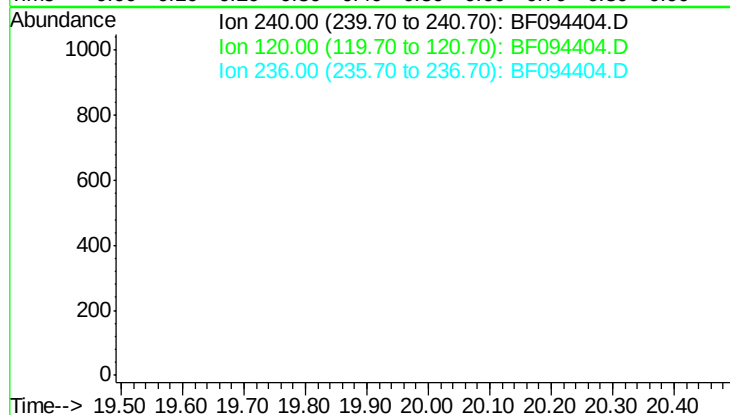




#75
 Chrvsene-d12
 Concen: 0.00 ng
 Expected RT: 21.64 min
 Lab File: BF094404.D
 Acq: 13 Apr 2017 21:34

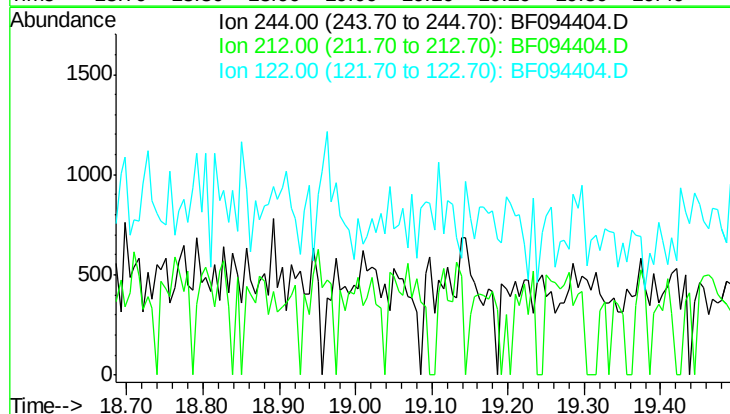
Instrument :
 BNA_F
 ClientSampleId :

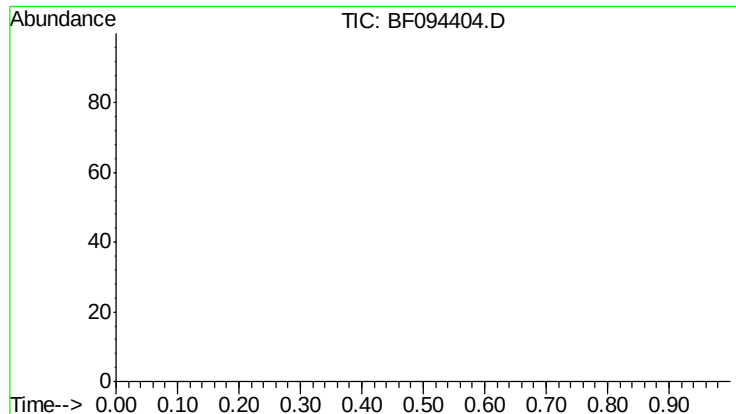
Tot Ion: 240
 Sig Exp Ratio
 240 100
 120 7.1
 236 27.8



#78
 Terphenyl-d14
 Concen: 0.00 ng
 Expected RT: 19.99 min
 Lab File: BF094404.D
 Acq: 13 Apr 2017 21:34

Tgt Ion: 244
 Sig Exp Ratio
 244 100
 212 12.5
 122 10.7





#86
Pervlone-d12
Concen: 0.00 ng
Expected RT: 24.82 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	264
Sig	Exp Ratio
264	100
260	27.3
265	22.8

