

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041317\
 Data File : BF094398.D
 Acq On : 13 Apr 2017 18:50
 Operator : SJ/MA
 Sample : I2670-03MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 14 00:47:46 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	8.12	152	653703	20.00	ng	0.07
21) Naphthalene-d8	10.94	136	7184	20.00	ng	0.10
38) Acenaphthene-d10	14.78	164	7995	20.00	ng	0.12
63) Phenanthrene-d10	17.43	188	1011	20.00	ng	0.04
75) Chrysene-d12	0.00	240	0	0.00	ng	-21.64
86) Perylene-d12	0.00	264	0	0.00	ng	-24.82

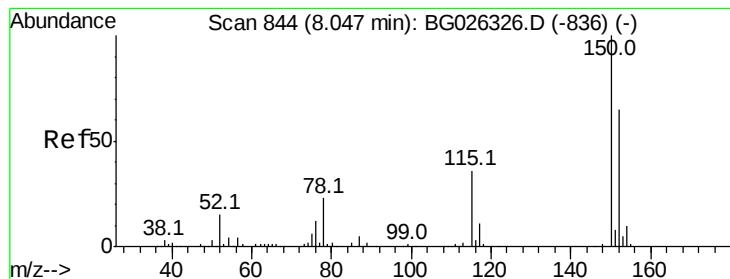
System Monitoring Compounds

5) 2-Fluorophenol	5.72	112	19196	0.52	ng	0.11
7) Phenol-d6	7.32	99	9672	0.20	ng	0.11
23) Nitrobenzene-d5	9.43	82	28300	236.86	ng	0.22
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	13.23	172	5530	9.70	ng	-0.05
78) Terphenyl-d14	0.00	244	0	0.00	ng	

Target Compounds

						Qvalue
14) 1,2-Dichlorobenzene	8.54	146	97291	2.04	ng	# 21
22) Acetophenone	8.89	105	2786	16.86	ng	# 1
24) Nitrobenzene	9.36	77	7482	63.42	ng	# 1
25) Isophorone	9.66	82	6114	27.15	ng	# 1
26) 2-Nitrophenol	10.10	139	109390	1782.07	ng	# 40
27) 2,4-Dimethylphenol	10.10	122	3250	32.26	ng	# 17
28) bis(2-Chloroethoxy)methane	10.31	93	858	5.87	ng	# 50
30) 1,2,4-Trichlorobenzene	10.81	180	391	3.42	ng	# 12
32) Benzoic acid	10.19	122	7985	102.99	ng	# 1
33) 4-Chloroaniline	11.20	127	1316	8.91	ng	# 50
35) Caprolactam	11.86	113	129	3.21	ng	# 1
36) 4-Chloro-3-methylphenol	12.24	107	477	4.38	ng	# 66
39) 1,2,4,5-Tetrachlorobenzene	13.23	216	3889	16.17	ng	# 1
42) 2,4,6-Trichlorophenol	13.23	196	6439	40.88	ng	# 1
43) 2,4,5-Trichlorophenol	13.23	196	6439	36.99	ng	# 1
47) 2-Nitroaniline	13.84	65	85328	620.47	ng	# 45
48) Acenaphthylene	14.53	152	7202	8.54	ng	# 1
50) 2,6-Dinitrotoluene	14.32	165	311	2.21	ng	# 11
52) 3-Nitroaniline	14.78	138	21347	137.66	ng	# 1
53) 2,4-Dinitrophenol	15.04	184	440	5.39	ng	# 85
55) 4-Nitrophenol	14.94	139	866	6.82	ng	# 40
56) 2,4-Dinitrotoluene	15.13	165	719	3.63	ng	# 35
59) Diethylphthalate	15.31	149	1121929	1818.95	ng	# 64
62) Azobenzene	16.12	77	1723	3.44	ng	# 1
64) 4,6-Dinitro-2-methylphenol	15.75	198	7270	1140.57	ng	# 93
65) n-Nitrosodiphenylamine	15.94	169	352	11.86	ng	# 1
69) Pentachlorophenol	16.86	266	119	16.49	ng	# 20
72) Carbazole	17.81	167	136	2.38	ng	# 55

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 1060

Delta R.T. 0.07 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Instrument :

BNA_F

ClientSampleId :

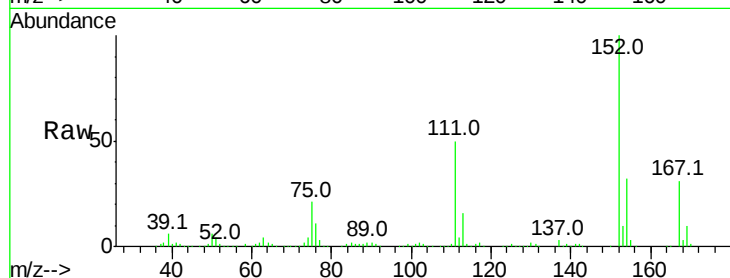
Tot Ion:152 Resp: 653703

Ion Ratio Lower Upper

152 100

150 0.2 114.0 171.0#

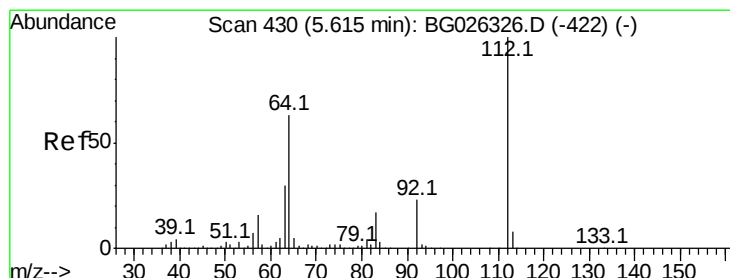
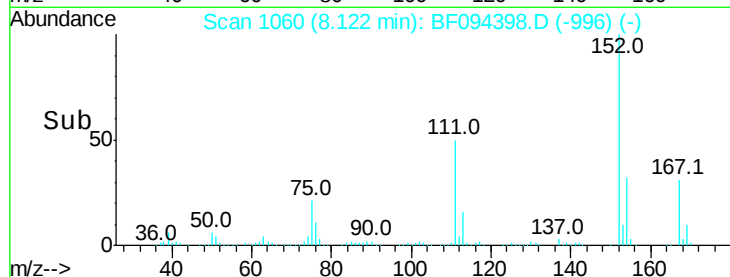
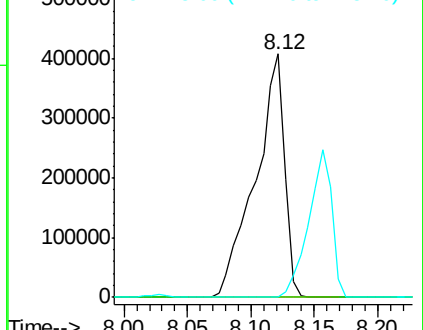
115 0.4 48.1 72.1#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 0.52 ng

RT: 5.72 min Scan# 652

Delta R.T. 0.11 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

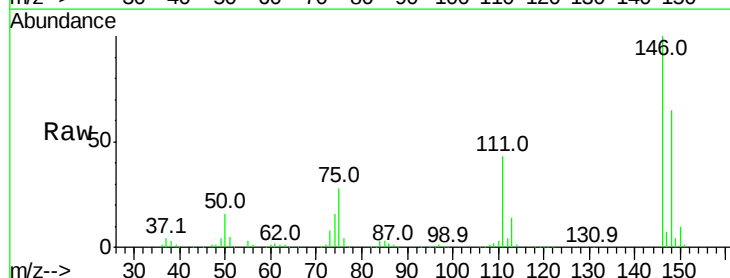
Tgt Ion:112 Resp: 19196

Ion Ratio Lower Upper

112 100

64 3.1 61.8 92.6#

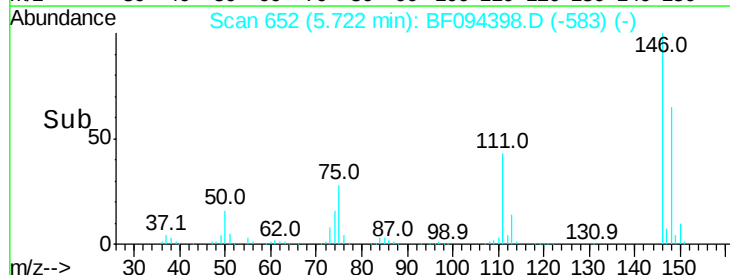
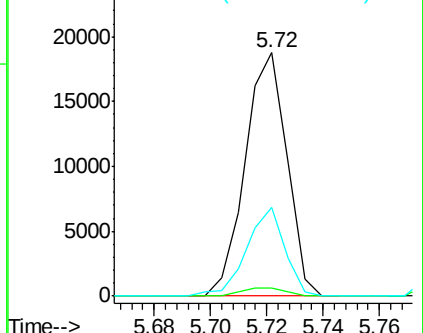
63 36.5 37.2 55.8#

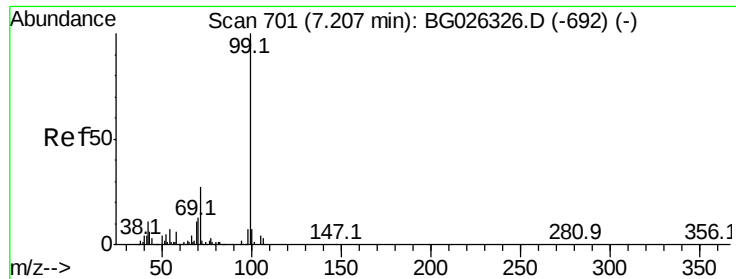


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 0.20 ng

RT: 7.32 min Scan# 923

Delta R.T. 0.11 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Instrument :

BNA_F

ClientSampleId :

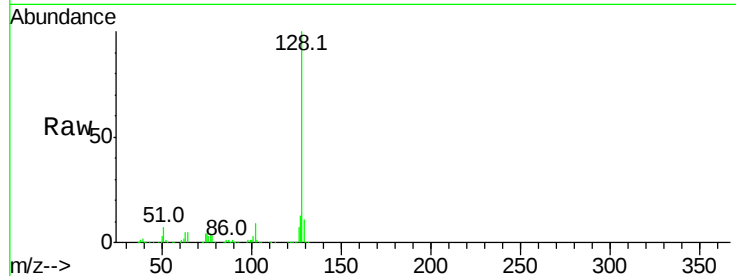
Tot Ion: 99 Resp: 9672

Ion Ratio Lower Upper

99 100

42 0.0 20.5 30.7#

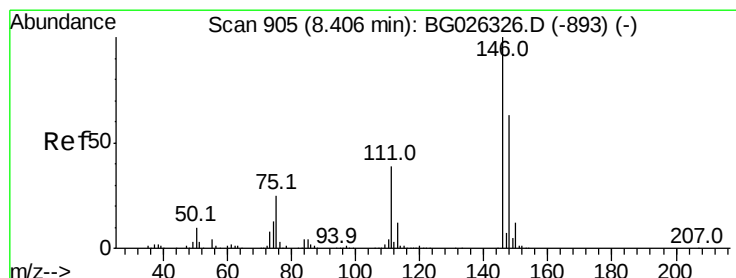
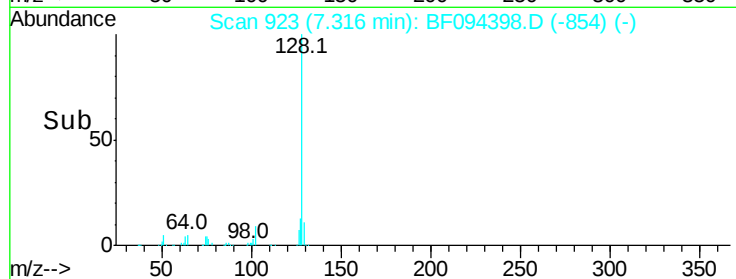
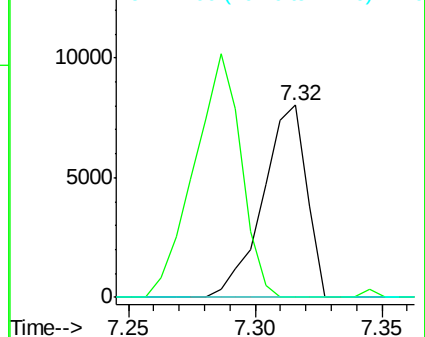
71 0.0 37.6 56.4#



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



#14

1,2-Dichlorobenzene

Concen: 2.04 ng

RT: 8.54 min Scan# 1131

Delta R.T. 0.13 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

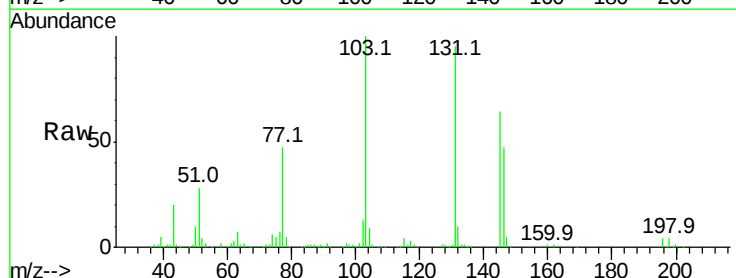
Tgt Ion: 146 Resp: 97291

Ion Ratio Lower Upper

146 100

148 0.8 54.6 81.8#

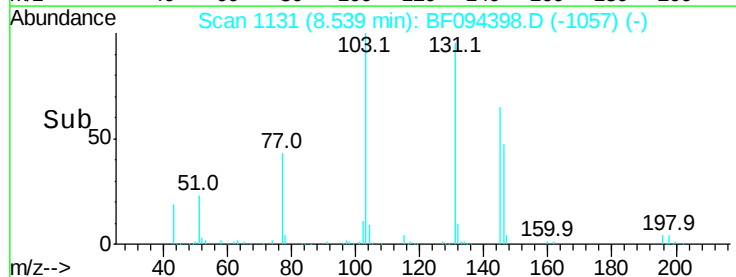
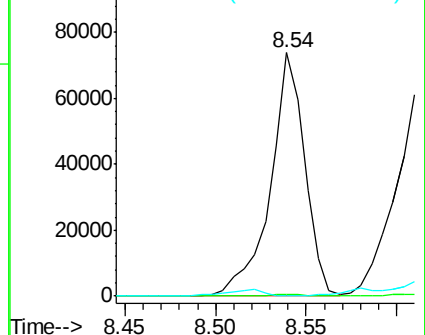
111 0.0 39.7 59.5#

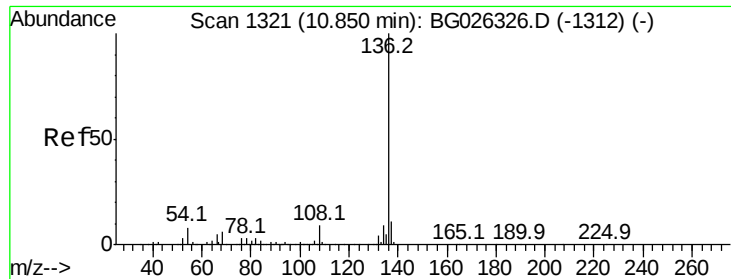


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.94 min Scan# 1540

Delta R.T. 0.10 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 7184

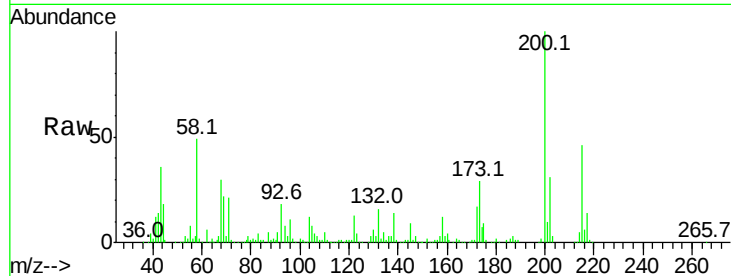
Ion Ratio Lower Upper

136 100

137 88.5 8.9 13.3#

54 58.0 9.3 13.9#

68 1043.4 5.1 7.7#

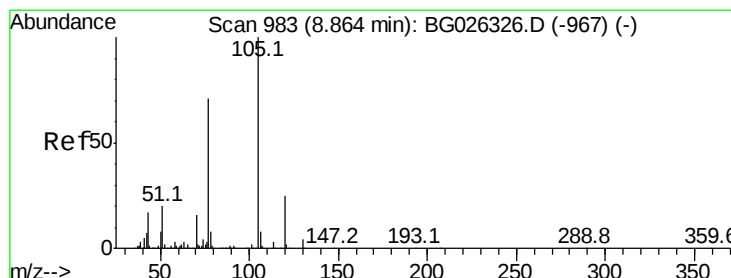
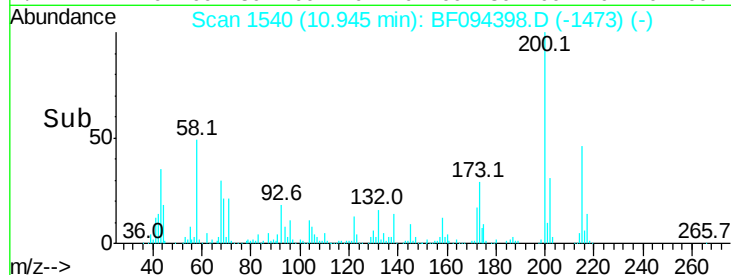
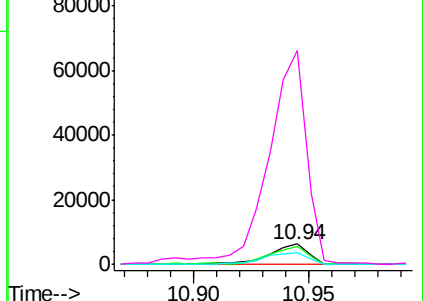


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 16.86 ng

RT: 8.89 min Scan# 1190

Delta R.T. 0.02 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Tgt Ion:105 Resp: 2786

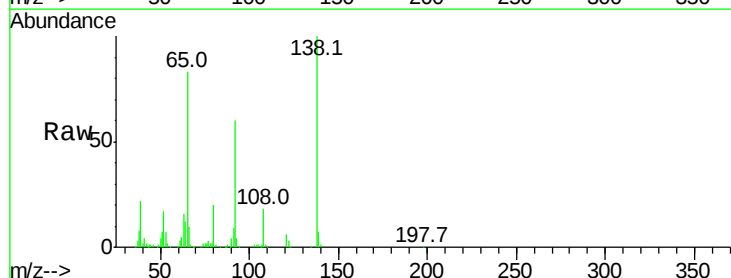
Ion Ratio Lower Upper

105 100

71 0.0 0.9 1.3#

51 1126.2 34.0 51.0#

120 0.0 17.3 25.9#

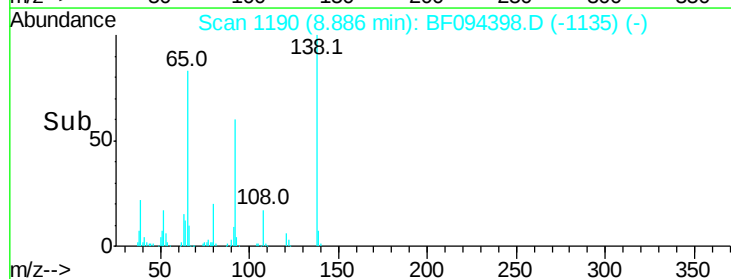
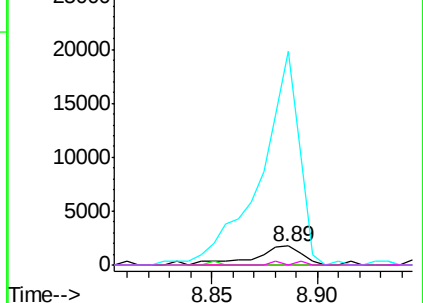


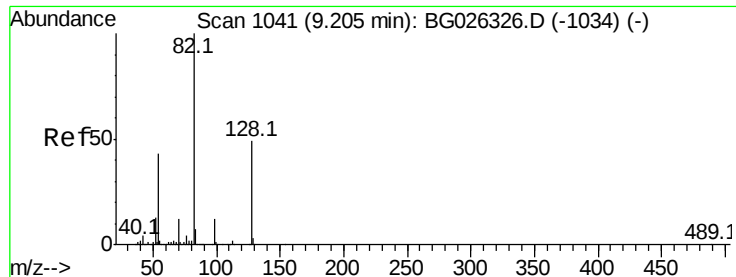
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

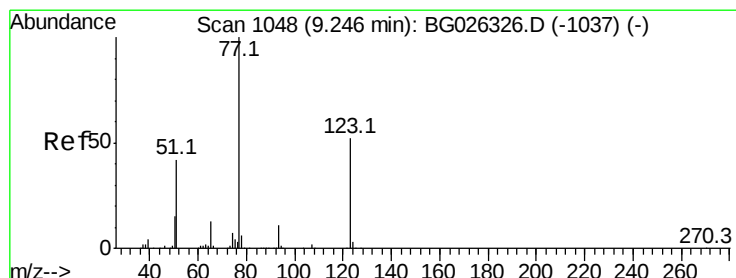
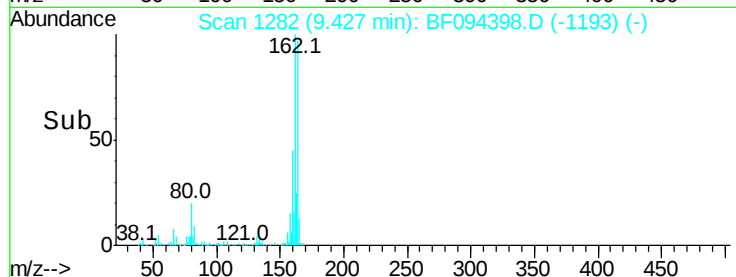
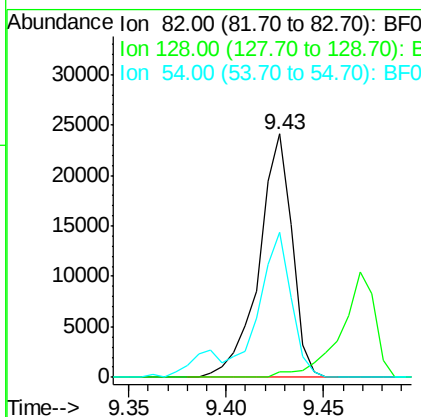
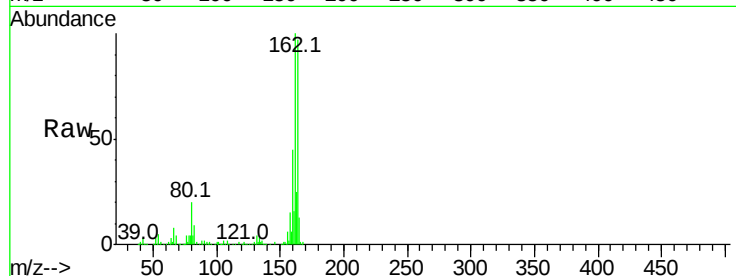




#23
 Nitrobenzene-d5
 Concen: 236.86 ng
 RT: 9.43 min Scan# 1282
 Delta R.T. 0.22 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

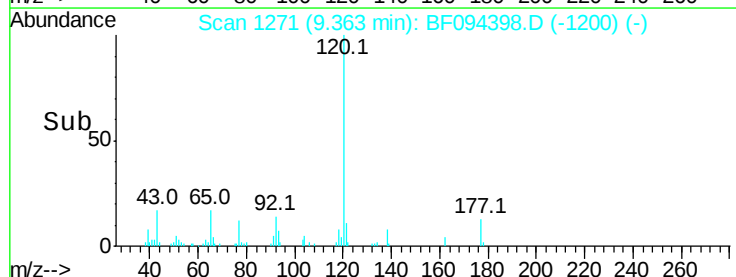
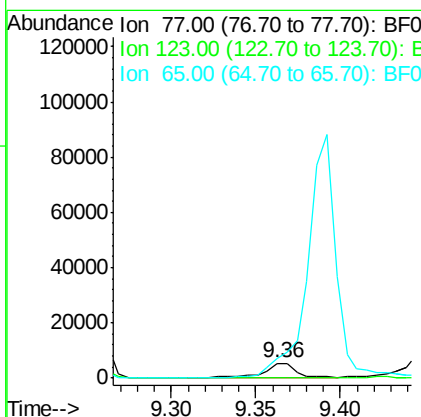
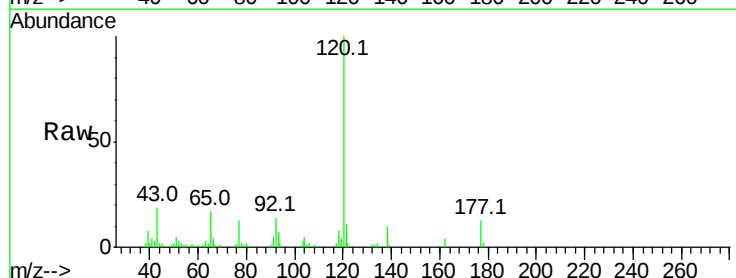
Instrument :
 BNA_F
 ClientSampleId :

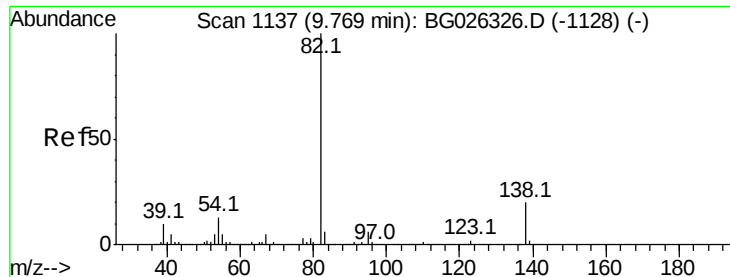
Tot Ion: 82 Resp: 28300
 Ion Ratio Lower Upper
 82 100
 128 2.2 26.4 39.6#
 54 59.6 49.4 74.2



#24
 Nitrobenzene
 Concen: 63.42 ng
 RT: 9.36 min Scan# 1271
 Delta R.T. 0.12 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Tgt Ion: 77 Resp: 7482
 Ion Ratio Lower Upper
 77 100
 123 0.0 26.1 39.1#
 65 135.6 12.4 18.6#





#25

Isophorone

Concen: 27.15 ng

RT: 9.66 min Scan# 1322

Delta R.T. -0.11 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Instrument :

BNA_F

ClientSampled :

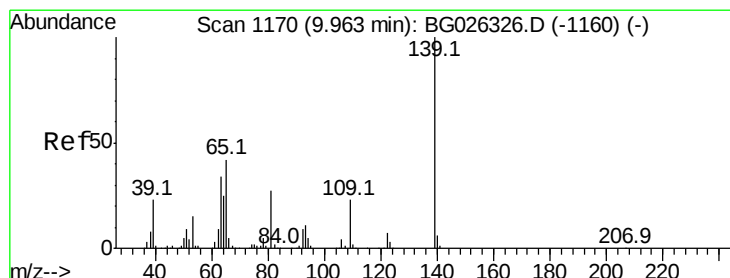
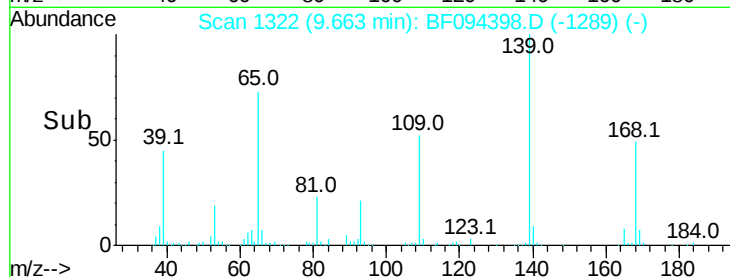
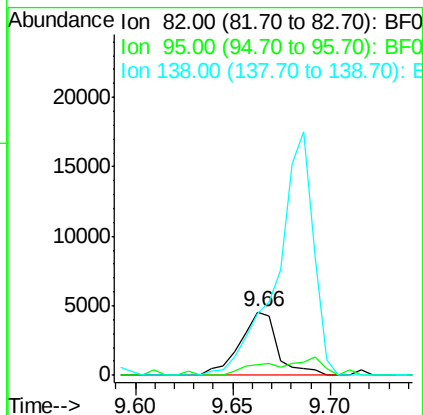
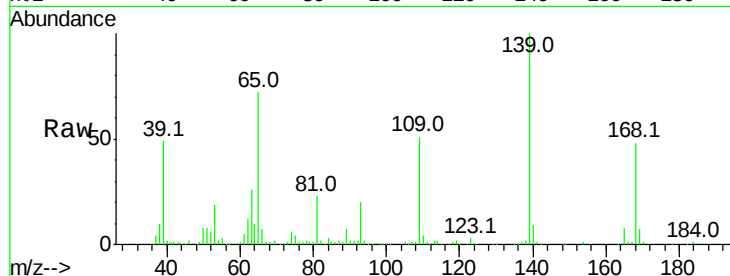
Tot Ion: 82 Resp: 6114

Ion Ratio Lower Upper

82 100

95 16.9 7.5 11.3#

138 96.4 12.3 18.5#



#26

2-Nitrophenol

Concen: 1782.07 ng

RT: 10.10 min Scan# 1397

Delta R.T. 0.14 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

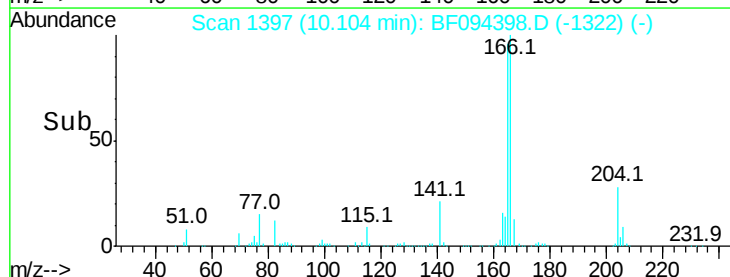
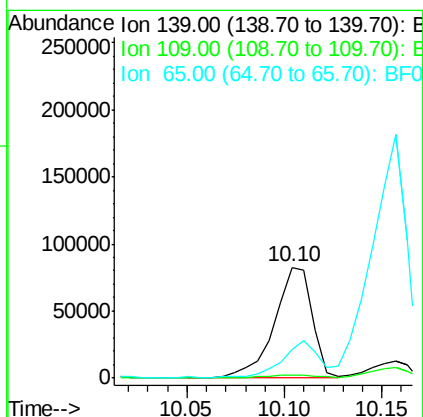
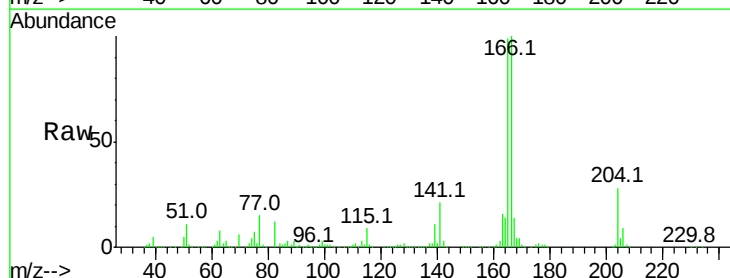
Tgt Ion:139 Resp: 109390

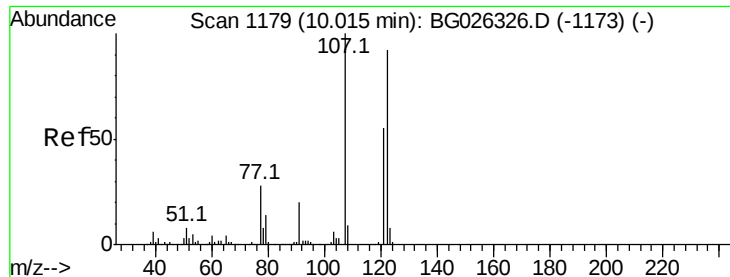
Ion Ratio Lower Upper

139 100

109 3.2 38.6 58.0#

65 25.9 57.1 85.7#

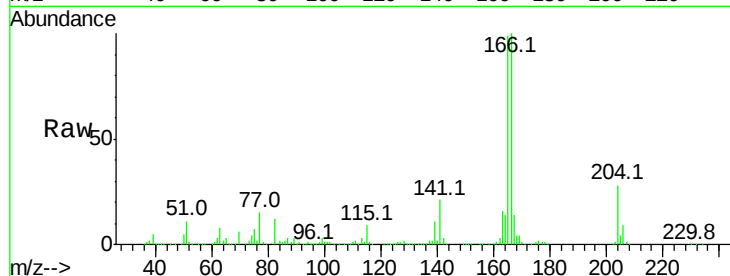




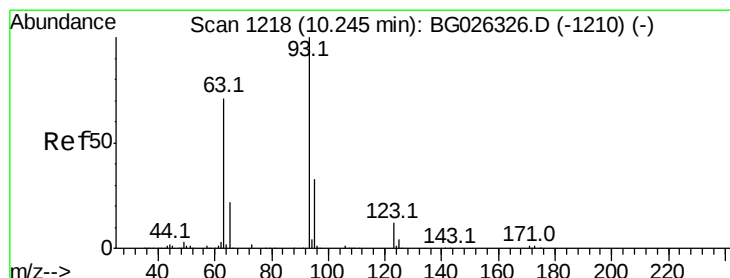
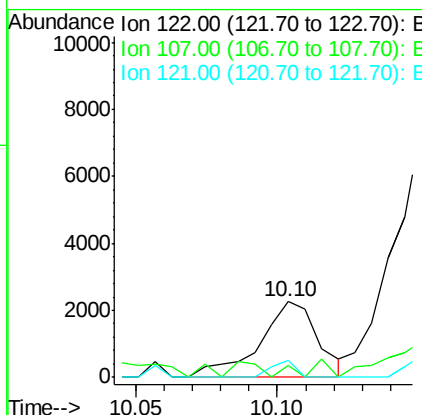
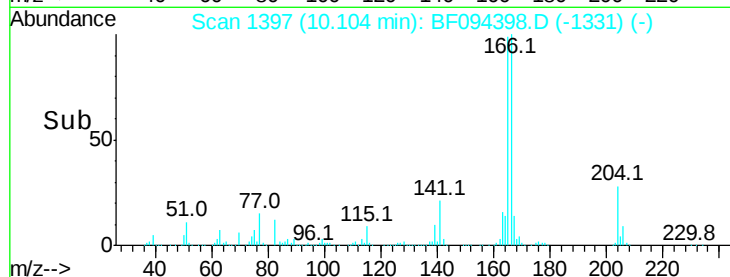
#27
 2,4-Dimethylphenol
 Concen: 32.26 ng
 RT: 10.10 min Scan# 1397
 Delta R.T. 0.09 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:122 Resp: 3250
 Ion Ratio Lower Upper
 122 100
 107 15.6 104.2 156.4#
 121 22.3 46.0 69.0#

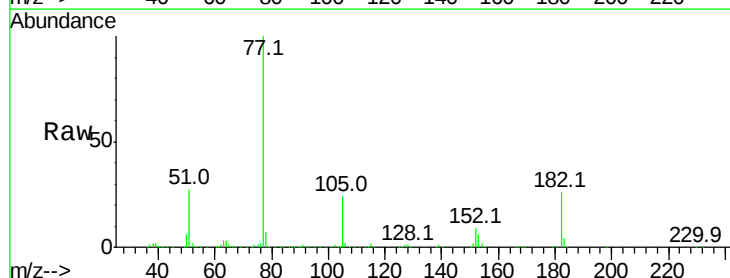


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

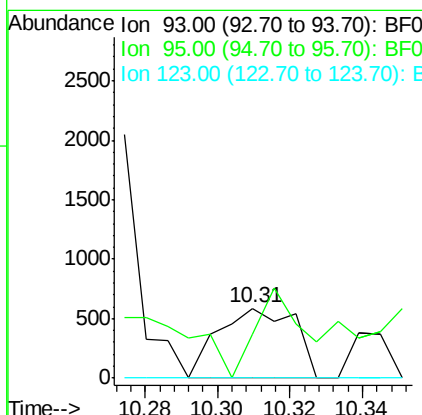
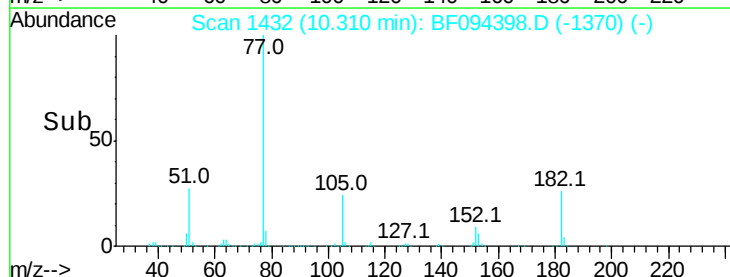


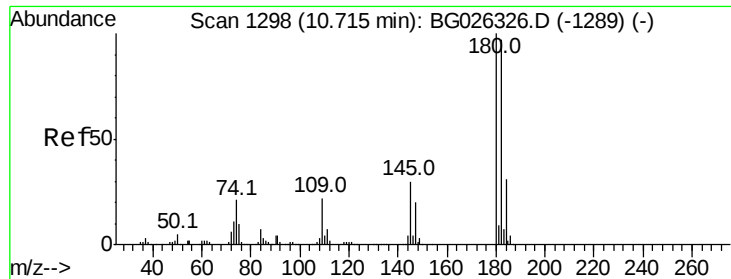
#28
 bis(2-Chloroethoxy)methane
 Concen: 5.87 ng
 RT: 10.31 min Scan# 1432
 Delta R.T. 0.07 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Tgt Ion: 93 Resp: 858
 Ion Ratio Lower Upper
 93 100
 95 63.7 25.7 38.5#
 123 0.0 8.3 12.5#



Abundance Ion 93.00 (92.70 to 93.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 123.00 (122.70 to 123.70): E

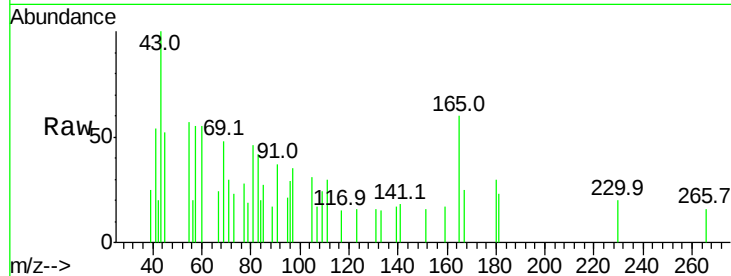




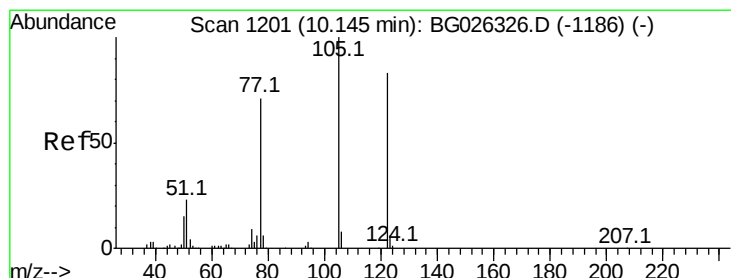
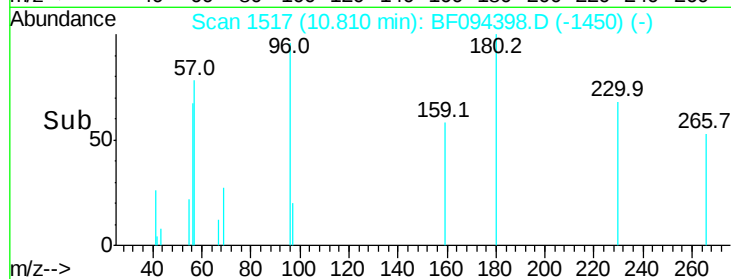
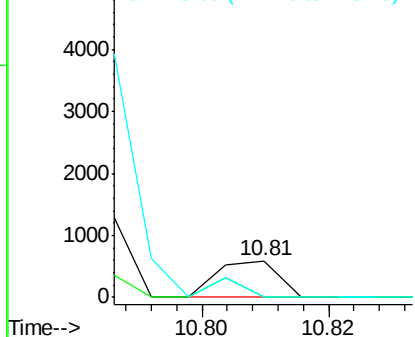
#30
 1,2,4-Trichlorobenzene
 Concen: 3.42 ng
 RT: 10.81 min Scan# 1517
 Delta R.T. 0.10 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:180 Resp: 391
 Ion Ratio Lower Upper
 180 100
 182 0.0 77.0 115.4#
 145 0.0 23.4 35.0#

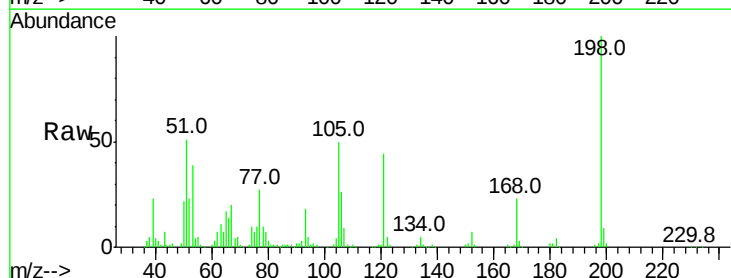


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

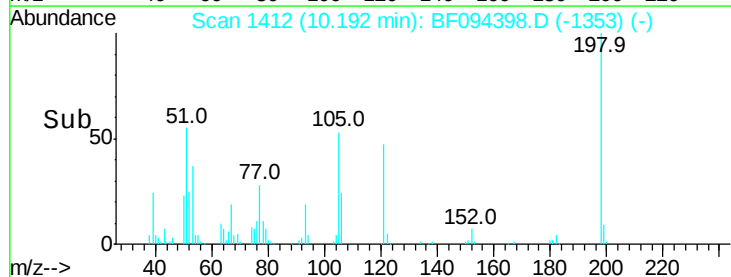
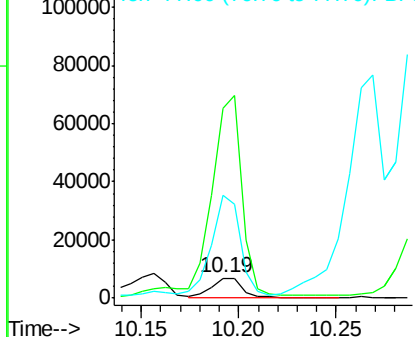


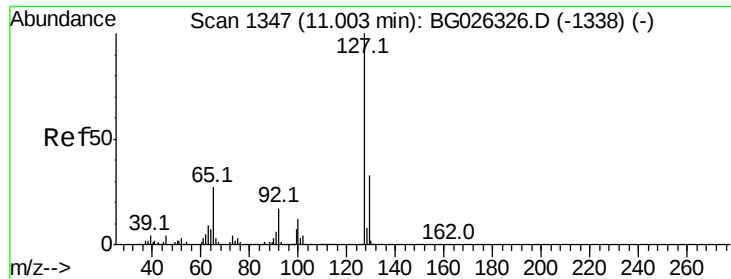
#32
 Benzoic acid
 Concen: 102.99 ng
 RT: 10.19 min Scan# 1412
 Delta R.T. 0.05 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Tgt Ion:122 Resp: 7985
 Ion Ratio Lower Upper
 122 100
 105 937.0 120.1 160.1#
 77 504.6 104.6 144.6#



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

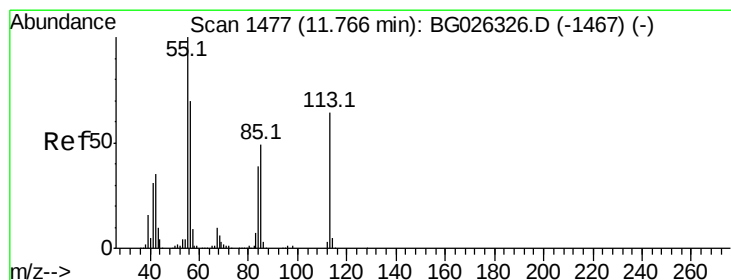
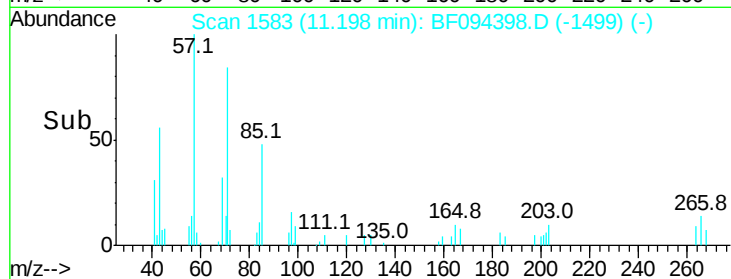
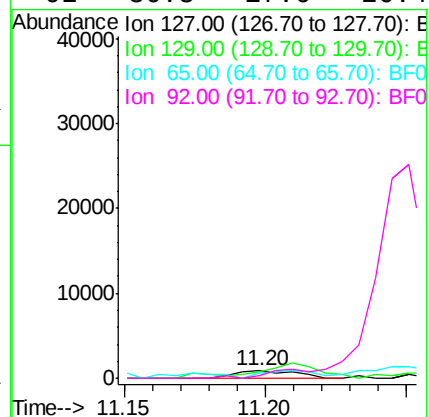
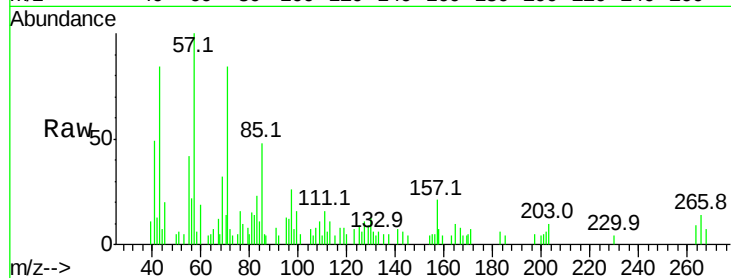




#33
4-Chloroaniline
Concen: 8.91 ng
RT: 11.20 min Scan# 1583
Delta R.T. 0.20 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

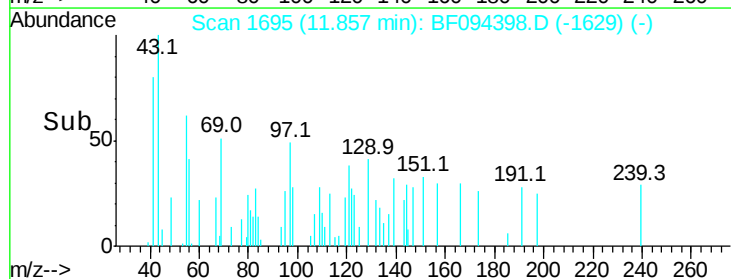
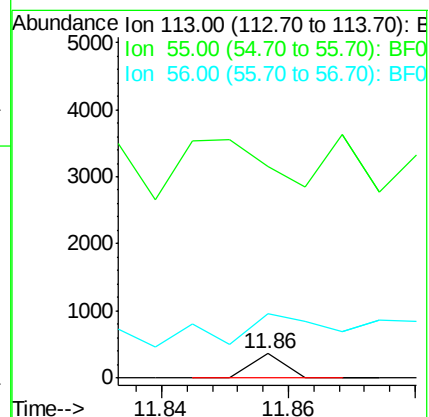
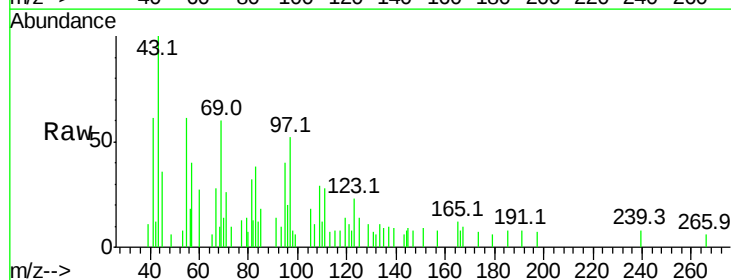
Instrument :
BNA_F
ClientSampleId :

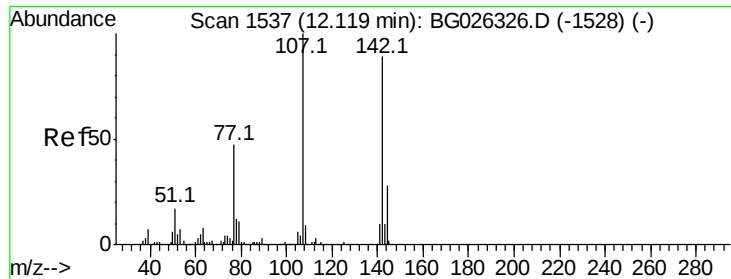
Tot Ion:127 Resp: 1316
Ion Ratio Lower Upper
127 100
129 81.1 23.6 35.4#
65 67.1 37.7 56.5#
92 36.3 17.6 26.4#



#35
Caprolactam
Concen: 3.21 ng
RT: 11.86 min Scan# 1695
Delta R.T. 0.09 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Tgt Ion:113 Resp: 129
Ion Ratio Lower Upper
113 100
55 862.7 198.6 238.6#
56 261.1 140.4 180.4#

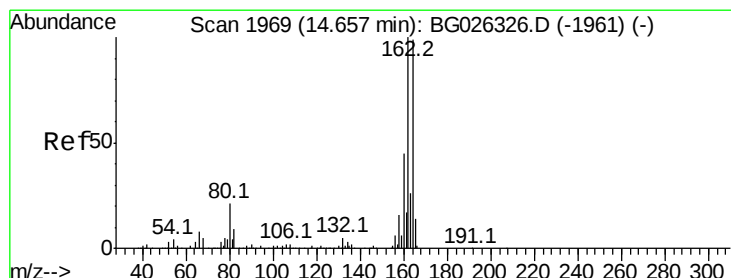
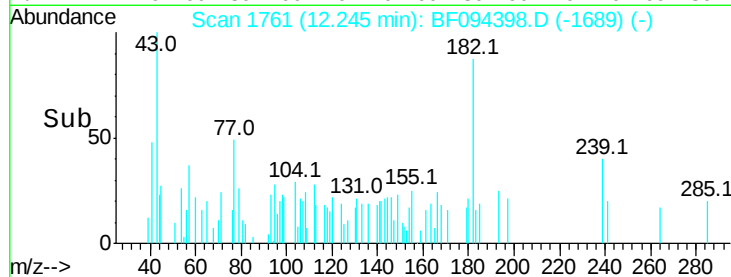
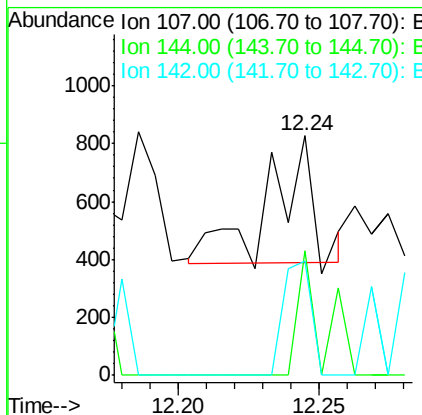
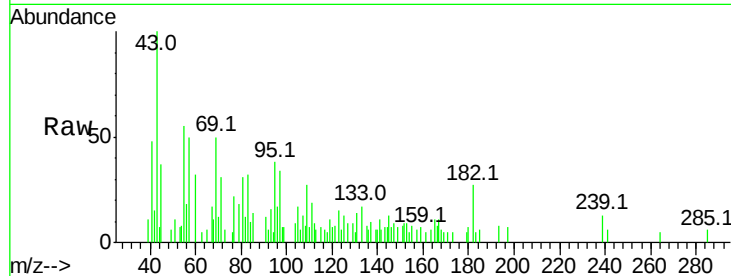




#36
 4-Chloro-3-methylphenol
 Concen: 4.38 ng
 RT: 12.24 min Scan# 1761
 Delta R.T. 0.13 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

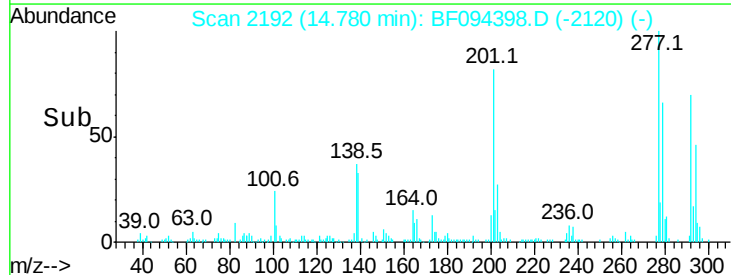
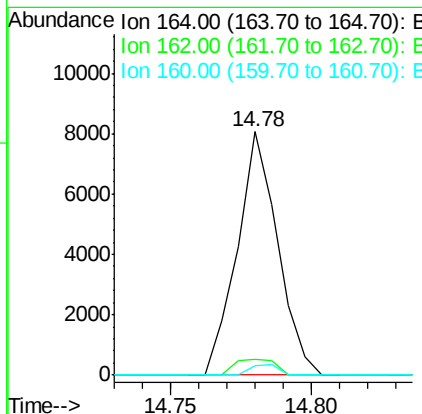
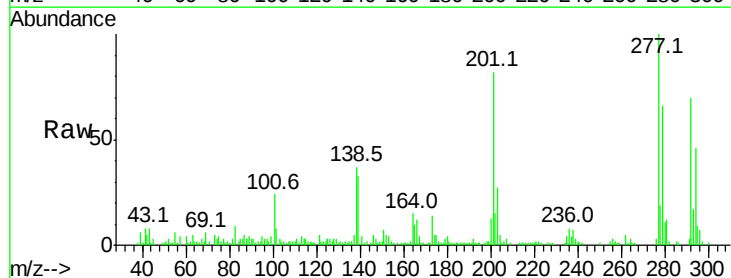
Instrument :
 BNA_F
 ClientSampled :

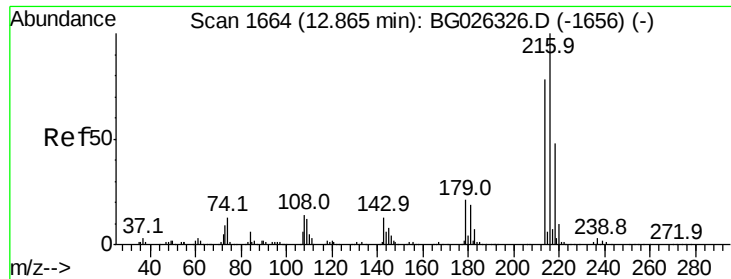
Tot Ion:107 Resp: 477
 Ion Ratio Lower Upper
 107 100
 144 52.2 17.4 26.0#
 142 47.6 54.1 81.1#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.78 min Scan# 2192
 Delta R.T. 0.12 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Tgt Ion:164 Resp: 7995
 Ion Ratio Lower Upper
 164 100
 162 6.7 85.1 127.7#
 160 4.0 34.7 52.1#





#39

1,2,4,5-Tetrachlorobenzene

Concen: 16.17 ng

RT: 13.23 min Scan# 1928

Delta R.T. 0.36 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:216 Resp: 3889

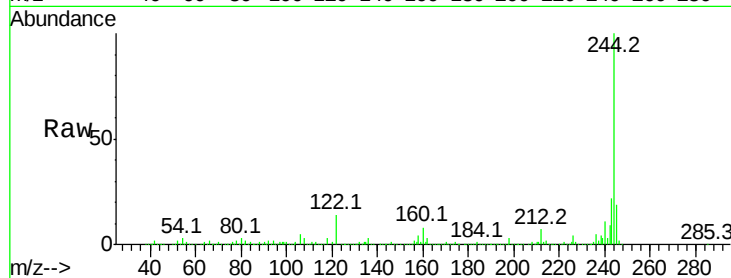
Ion Ratio Lower Upper

216 100

214 569.5 64.4 96.6#

179 25.3 17.4 26.0

108 978.1 15.6 23.4#

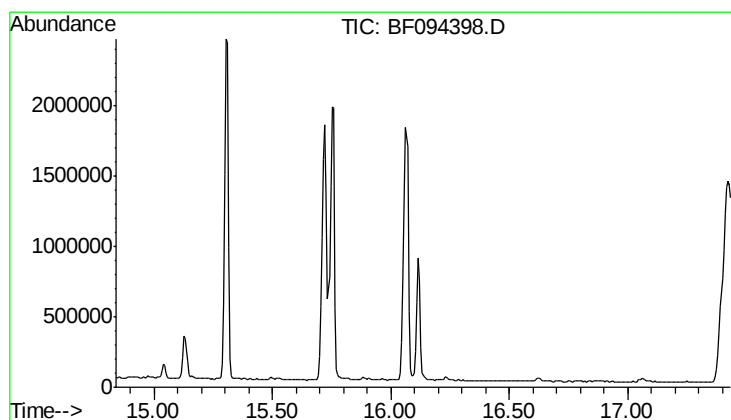
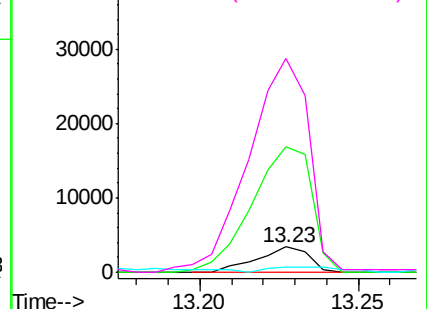
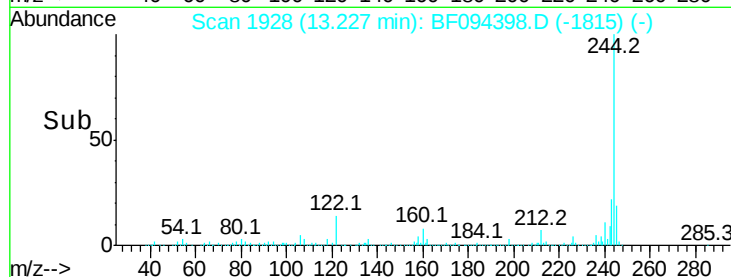


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#41

2,4,6-Tribromophenol

Concen: 0.00 ng

Expected RT: 16.14 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

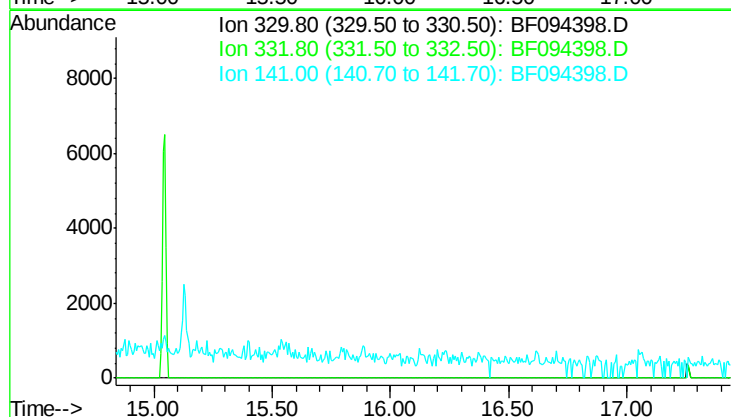
Tgt Ion: 330

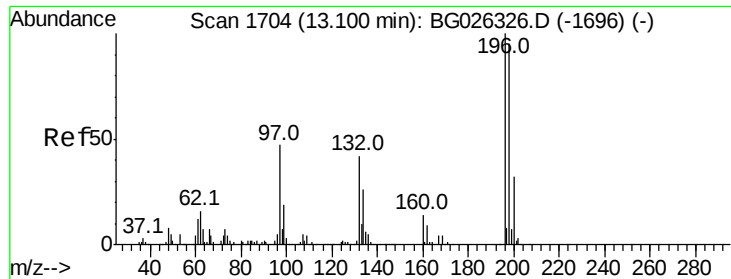
Sig Exp Ratio

330 100

332 96.6

141 40.1





#42

2,4,6-Trichlorophenol

Concen: 40.88 ng

RT: 13.23 min Scan# 1928

Delta R.T. 0.13 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Instrument :

BNA_F

ClientSampleId :

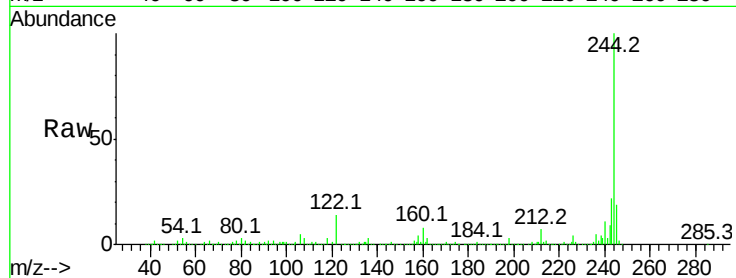
Tot Ion:196 Resp: 6439

Ion Ratio Lower Upper

196 100

198 572.3 81.4 122.2#

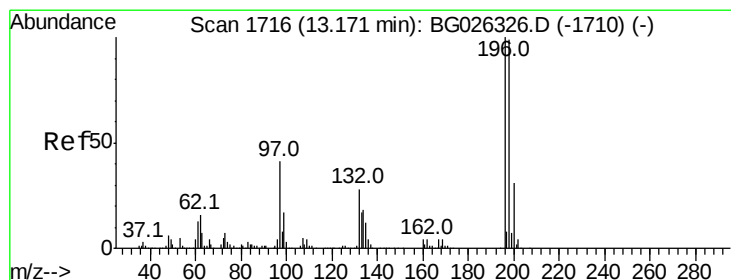
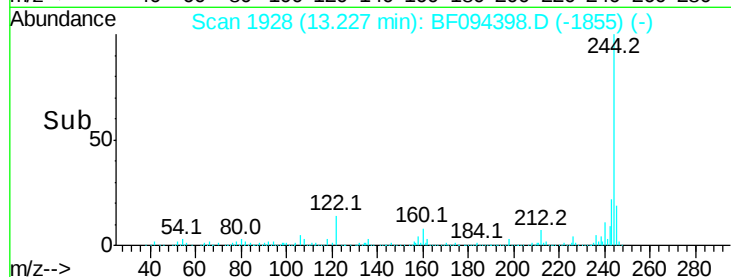
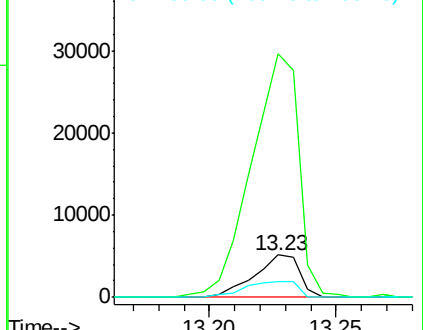
200 36.4 27.0 40.6



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: 36.99 ng

RT: 13.23 min Scan# 1928

Delta R.T. 0.06 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Tgt Ion:196 Resp: 6439

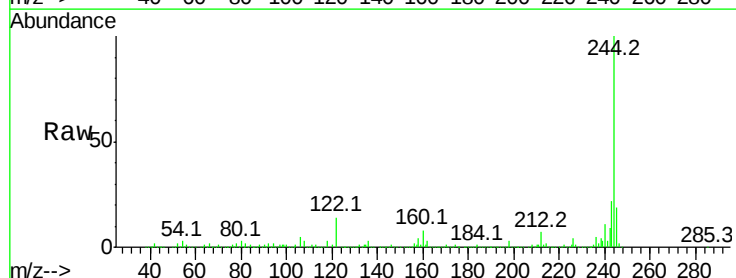
Ion Ratio Lower Upper

196 100

198 572.3 79.9 119.9#

97 107.7 45.4 68.0#

132 313.3 20.7 31.1#

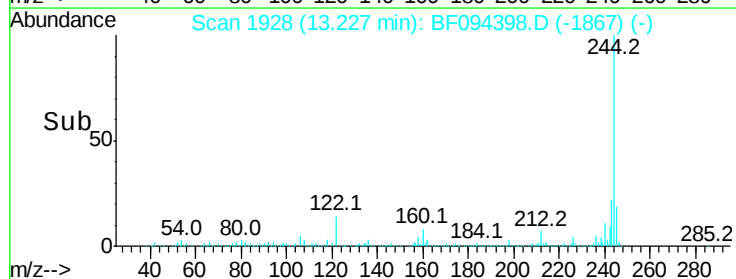
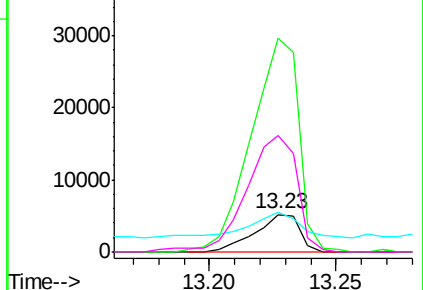


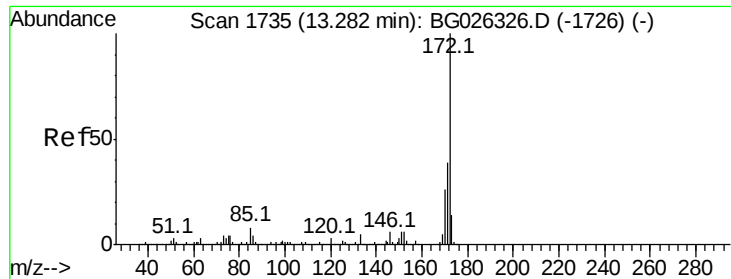
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E

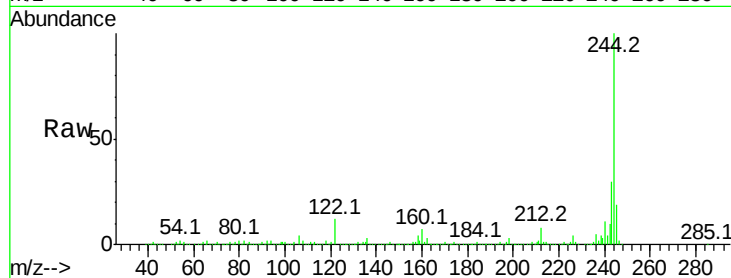




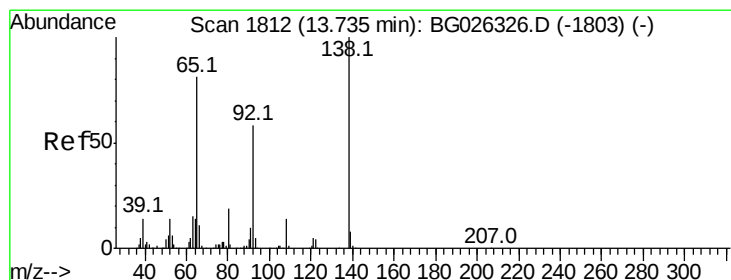
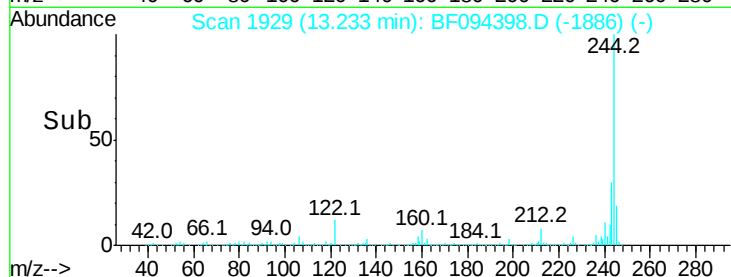
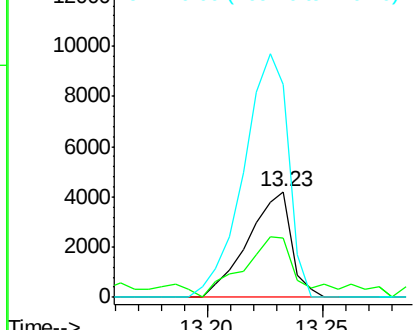
#44
2-Fluorobiphenyl
Concen: 9.70 ng
RT: 13.23 min Scan# 1929
Delta R.T. -0.05 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 5530
Ion Ratio Lower Upper
172 100
171 55.8 32.2 48.2#
170 202.6 21.8 32.6#

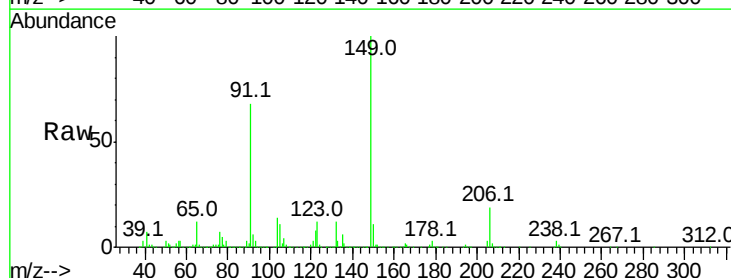


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

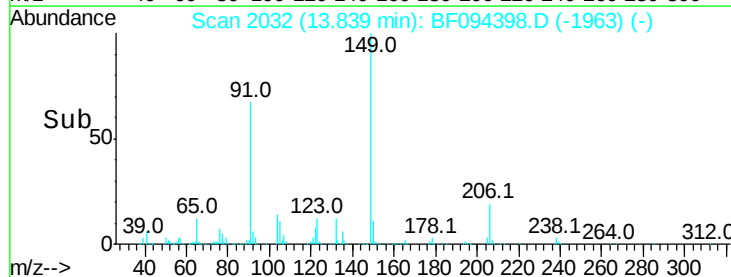
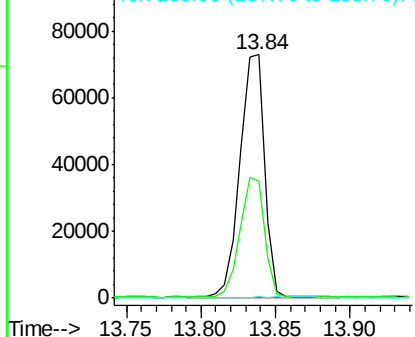


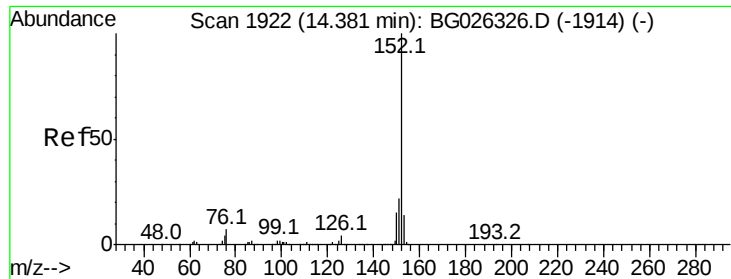
#47
2-Nitroaniline
Concen: 620.47 ng
RT: 13.84 min Scan# 2032
Delta R.T. 0.10 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Tgt Ion: 65 Resp: 85328
Ion Ratio Lower Upper
65 100
92 48.1 49.0 73.4#
138 0.5 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): E





#48

Acenaphthylene

Concen: 8.54 ng

RT: 14.53 min Scan# 2150

Delta R.T. 0.15 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Instrument :

BNA_F

ClientSampleId :

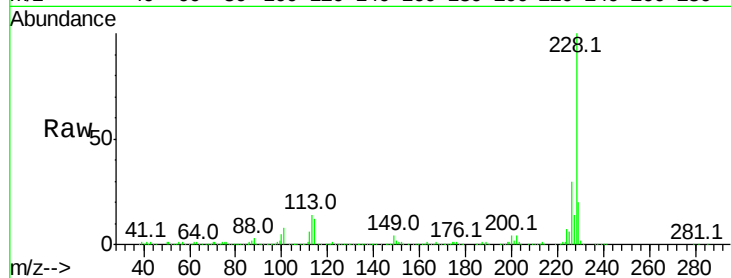
Tot Ion:152 Resp: 7202

Ion Ratio Lower Upper

152 100

151 130.9 18.2 27.2#

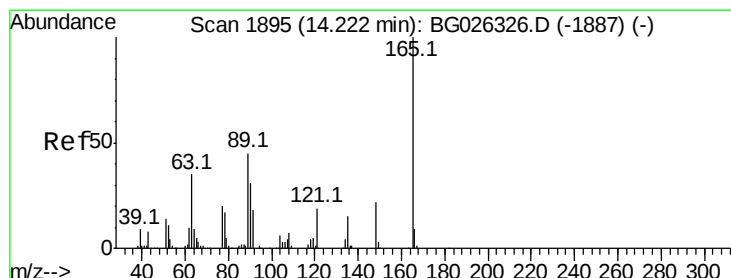
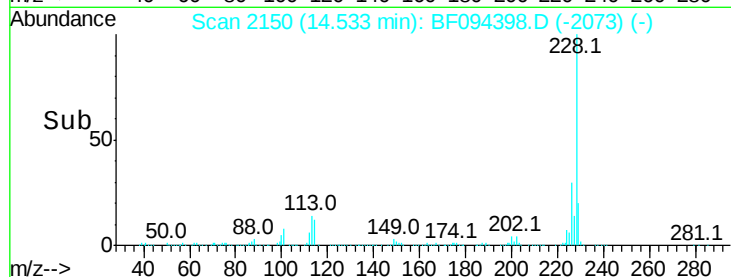
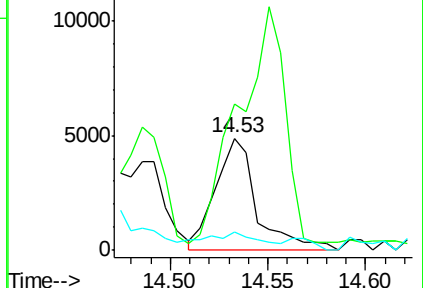
153 16.9 11.3 16.9



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



#50

2,6-Dinitrotoluene

Concen: 2.21 ng

RT: 14.32 min Scan# 2114

Delta R.T. 0.10 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

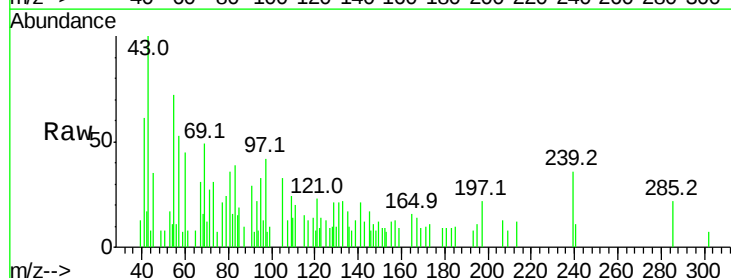
Tgt Ion:165 Resp: 311

Ion Ratio Lower Upper

165 100

63 0.0 63.9 95.9#

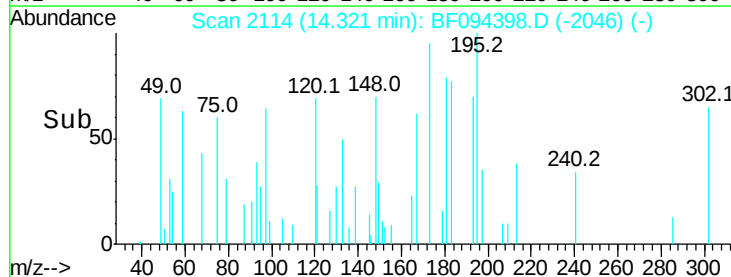
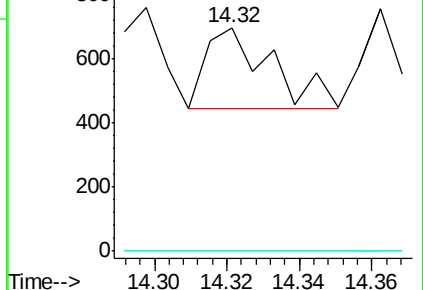
89 0.0 58.6 88.0#

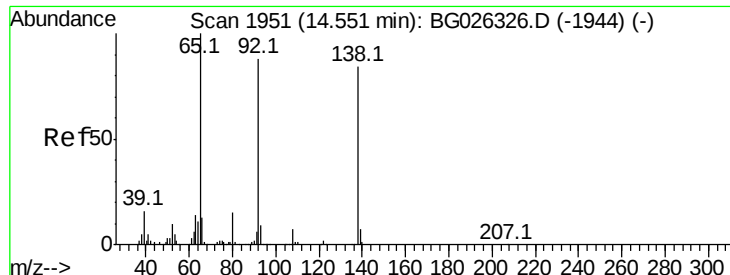


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

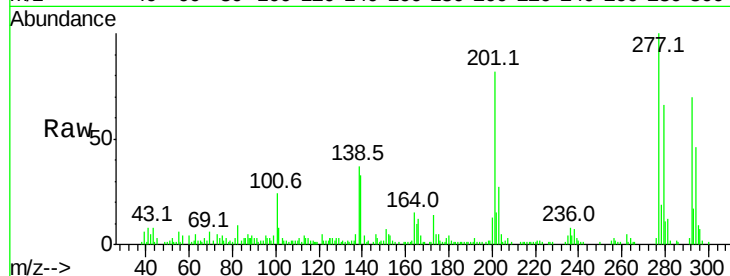




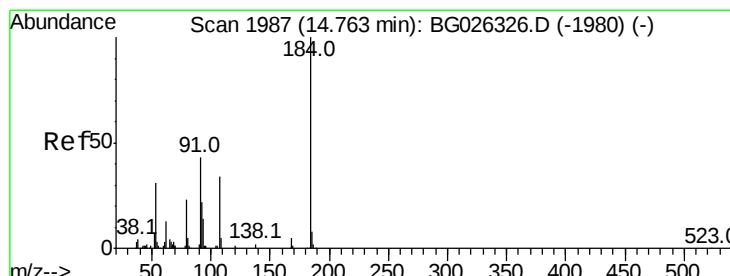
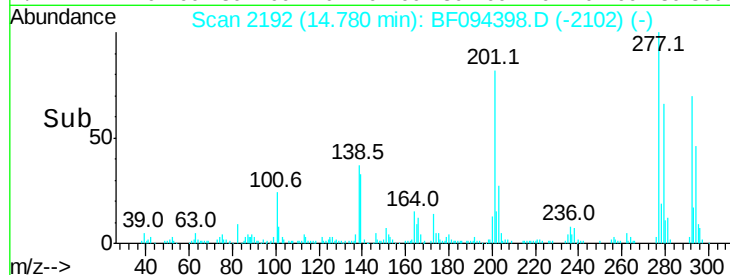
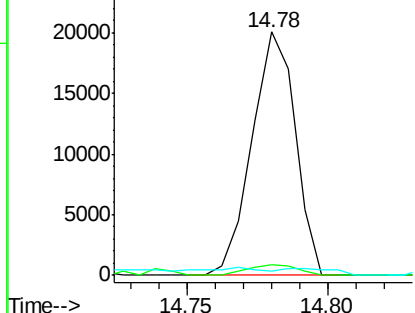
#52
 3-Nitroaniline
 Concen: 137.66 ng
 RT: 14.78 min Scan# 2192
 Delta R.T. 0.23 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:138 Resp: 21347
 Ion Ratio Lower Upper
 138 100
 108 4.1 10.9 16.3#
 92 2.0 115.3 172.9#

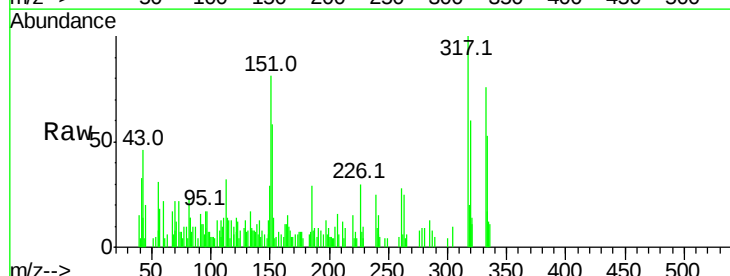


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): E

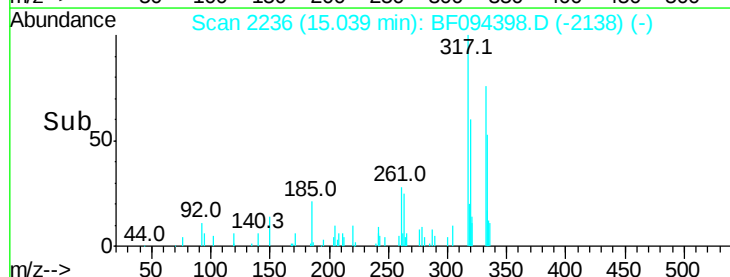
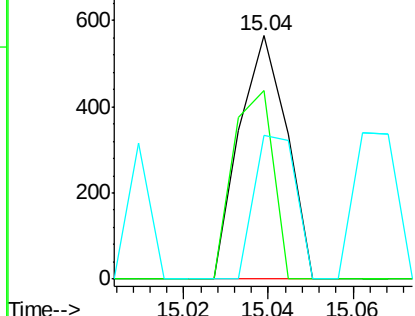


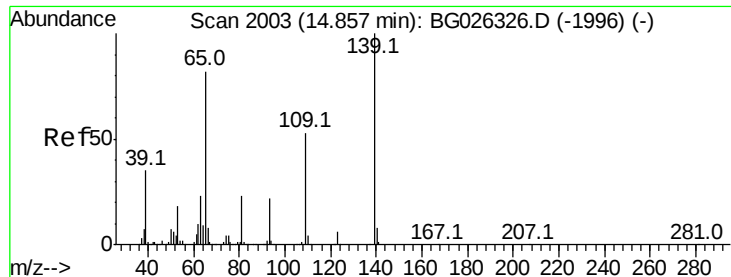
#53
 2,4-Dinitrophenol
 Concen: 5.39 ng
 RT: 15.04 min Scan# 2236
 Delta R.T. 0.28 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Tgt Ion:184 Resp: 440
 Ion Ratio Lower Upper
 184 100
 63 77.5 52.7 79.1
 154 59.3 57.3 85.9



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E





#55

4-Nitrophenol

Concen: 6.82 ng

RT: 14.94 min Scan# 2219

Delta R.T. 0.08 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Instrument :

BNA_F

ClientSampled :

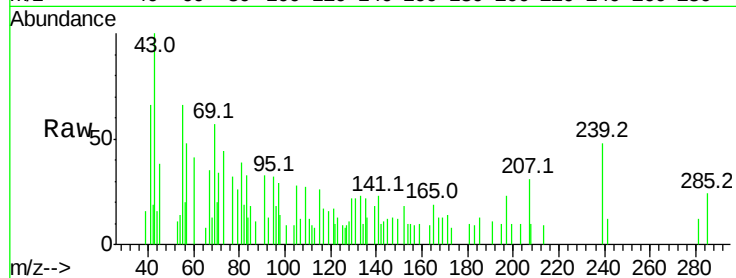
Tot Ion:139 Resp: 866

Ion Ratio Lower Upper

139 100

109 152.9 101.2 141.2#

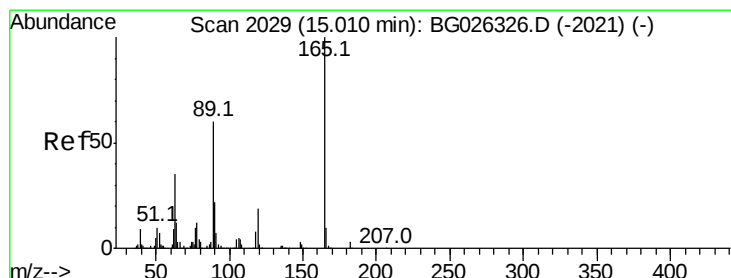
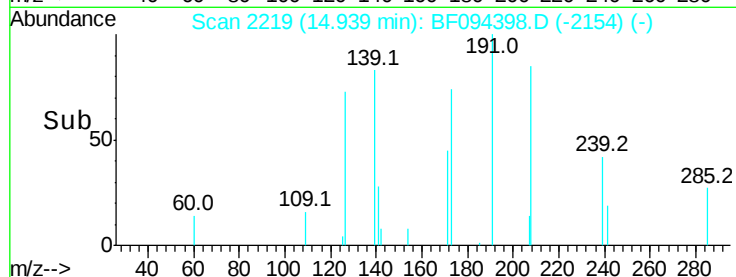
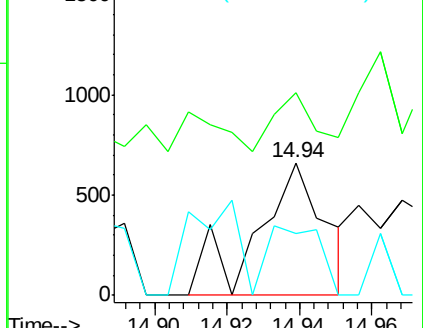
65 46.4 135.3 175.3#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 3.63 ng

RT: 15.13 min Scan# 2251

Delta R.T. 0.12 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Tgt Ion:165 Resp: 719

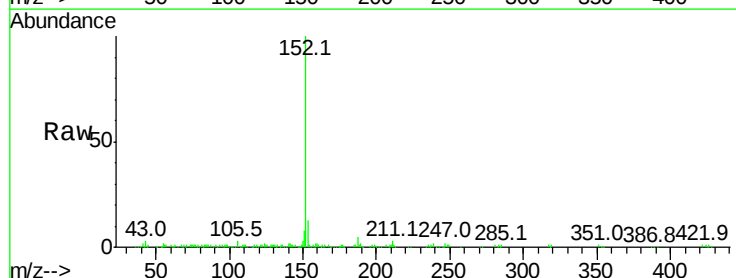
Ion Ratio Lower Upper

165 100

63 119.8 44.0 66.0#

89 37.2 67.3 100.9#

182 0.0 3.8 5.6#

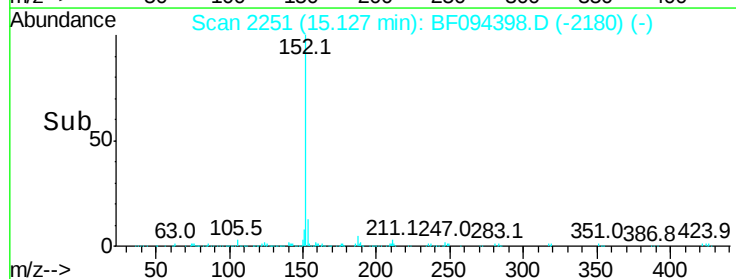
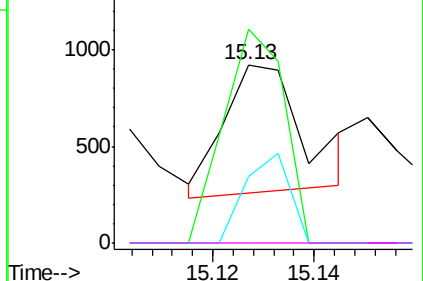


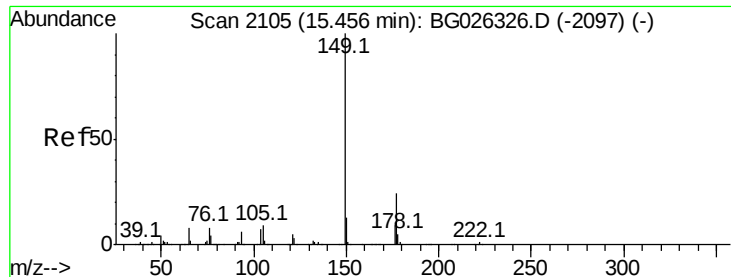
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#59

Diethylphthalate

Concen: 1818.95 ng

RT: 15.31 min Scan# 2282

Delta R.T. -0.15 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Instrument :

BNA_F

ClientSampleId :

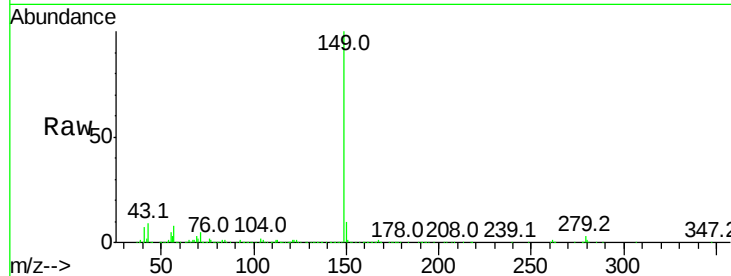
Tot Ion:149 Resp: 1121929

Ion Ratio Lower Upper

149 100

177 0.1 20.1 30.1#

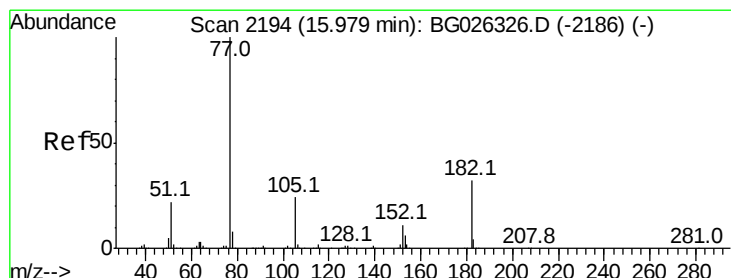
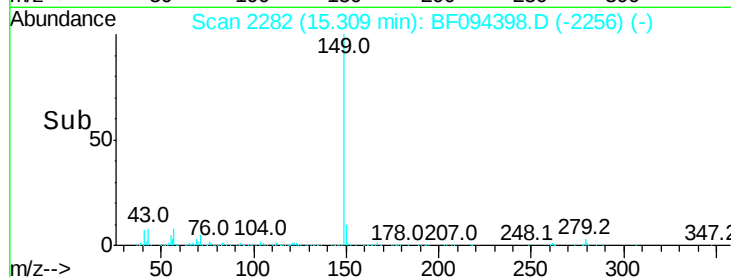
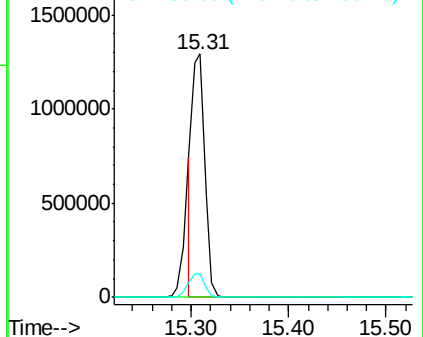
150 9.5 10.2 15.2#



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



#62

Azobenzene

Concen: 3.44 ng

RT: 16.12 min Scan# 2419

Delta R.T. 0.14 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Tgt Ion: 77 Resp: 1723

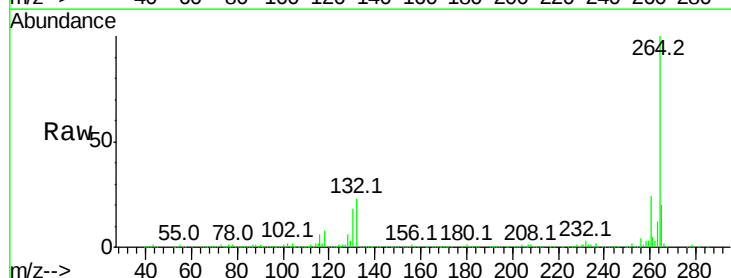
Ion Ratio Lower Upper

77 100

182 48.2 4.7 44.7#

105 231.2 0.0 36.3#

51 0.0 16.4 56.4#

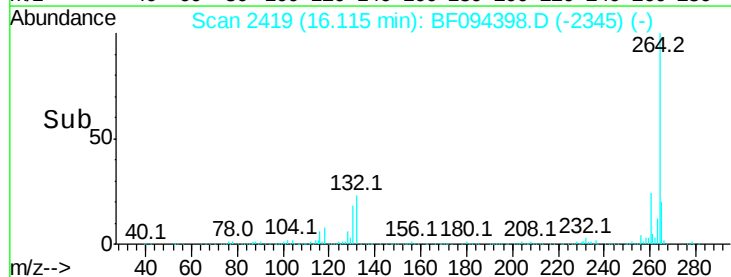
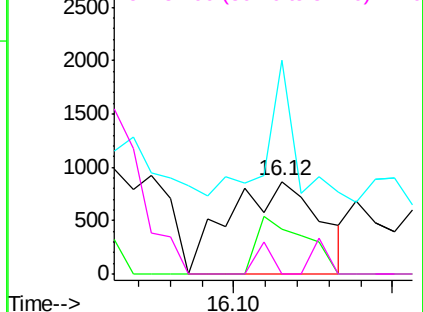


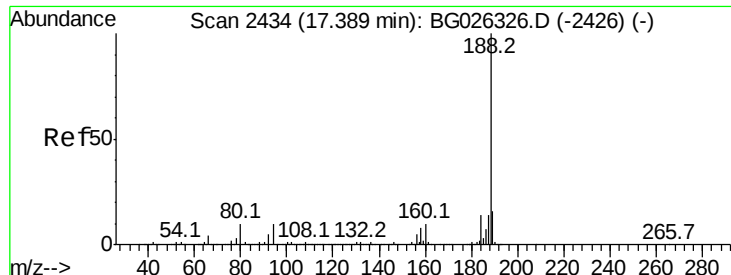
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

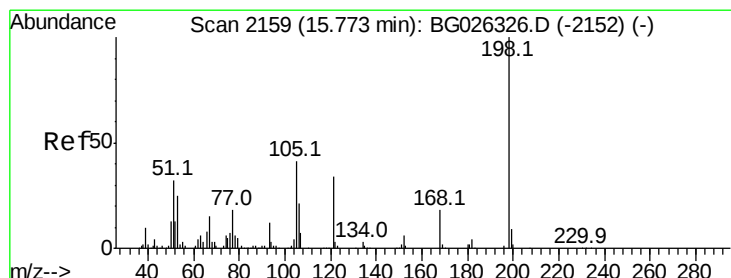
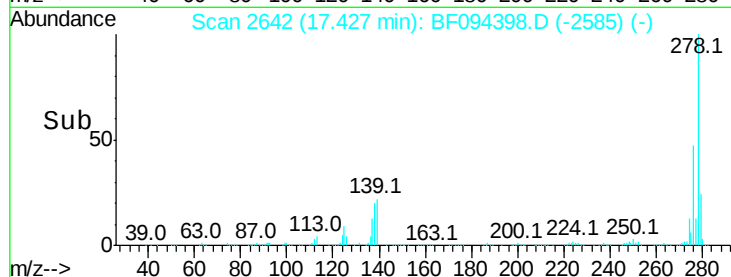
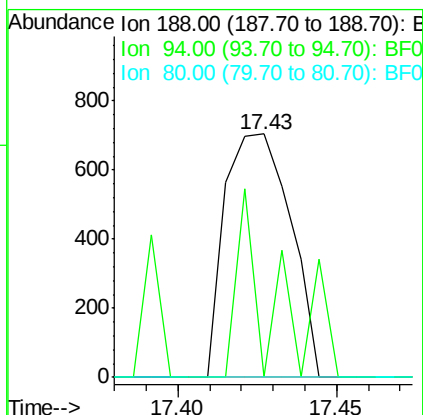
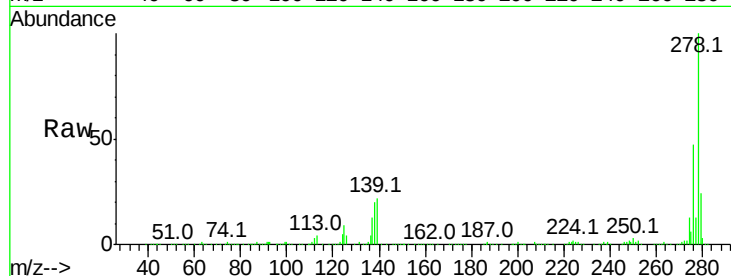




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.43 min Scan# 2642
Delta R.T. 0.04 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

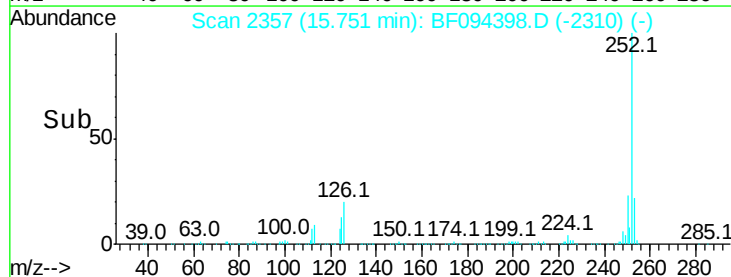
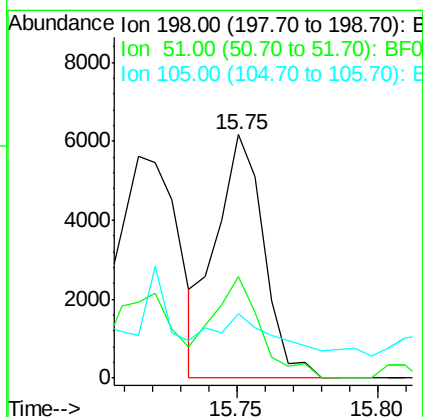
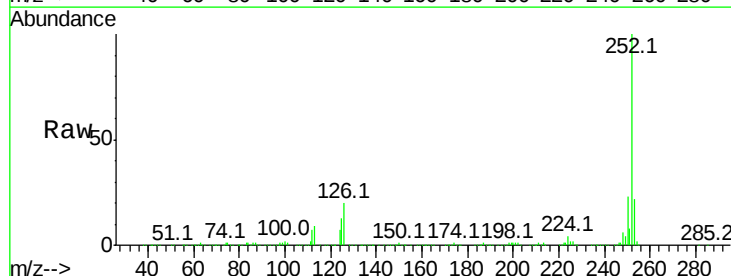
Instrument :
BNA_F
ClientSampleId :

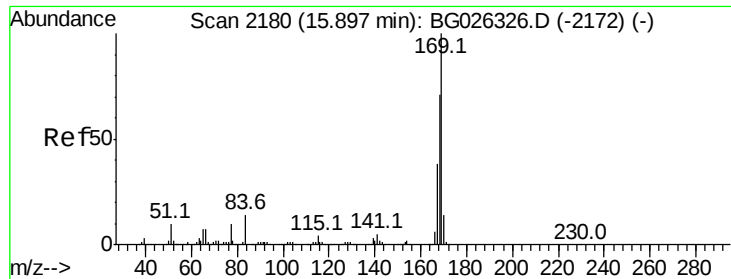
Tot Ion:188 Resp: 1011
Ion Ratio Lower Upper
188 100
94 0.0 5.8 8.8#
80 0.0 7.5 11.3#



#64
4,6-Dinitro-2-methylphenol
Concen: 1140.57 ng
RT: 15.75 min Scan# 2357
Delta R.T. -0.02 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Tgt Ion:198 Resp: 7270
Ion Ratio Lower Upper
198 100
51 41.9 22.6 62.6
105 26.3 14.4 54.4

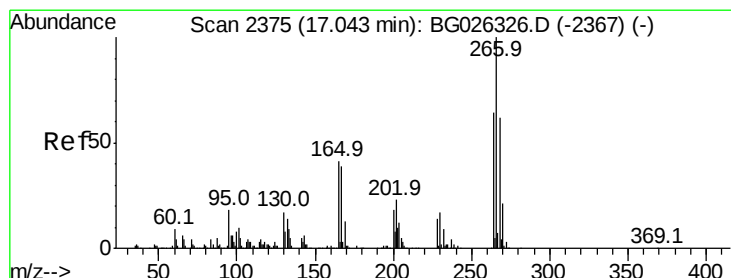
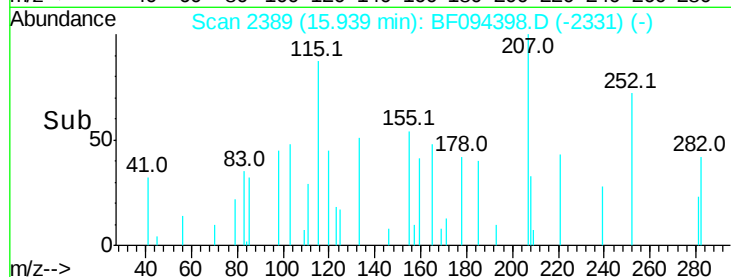
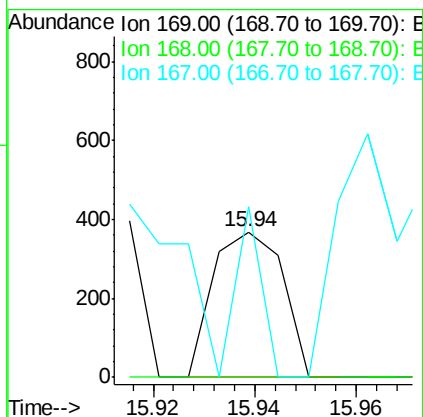
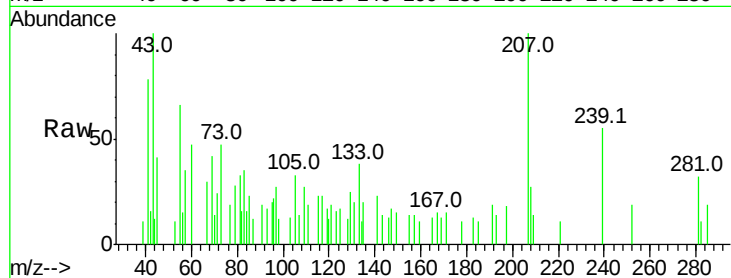




#65
n-Nitrosodiphenylamine
Concen: 11.86 ng
RT: 15.94 min Scan# 2389
Delta R.T. 0.04 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

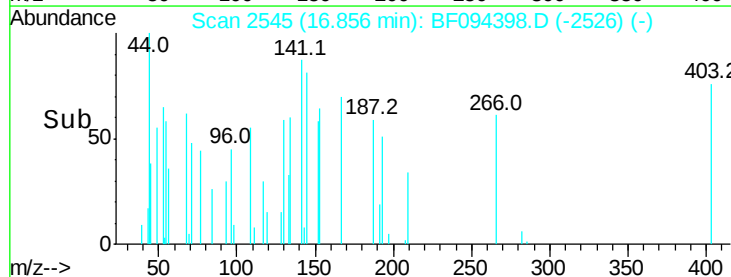
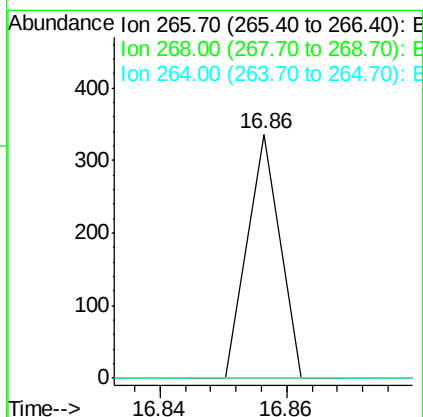
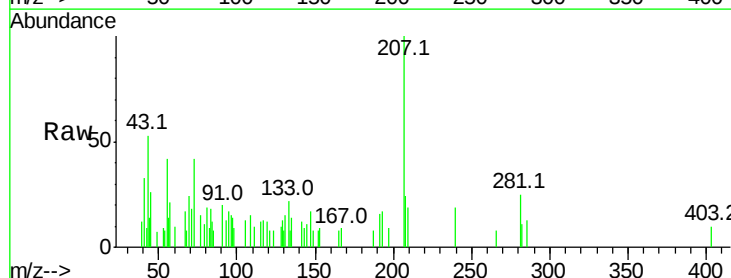
Instrument :
BNA_F
ClientSampleId :

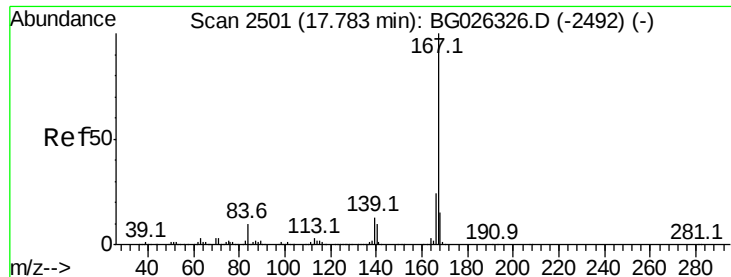
Tot Ion:169 Resp: 352
Ion Ratio Lower Upper
169 100
168 0.0 55.7 83.5#
167 117.4 29.8 44.6#



#69
Pentachlorophenol
Concen: 16.49 ng
RT: 16.86 min Scan# 2545
Delta R.T. -0.19 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Tgt Ion:266 Resp: 119
Ion Ratio Lower Upper
266 100
268 0.0 48.6 72.8#
264 0.0 50.1 75.1#





#72

Carbazole

Concen: 2.38 ng

RT: 17.81 min Scan# 2707

Delta R.T. 0.03 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Instrument :

BNA_F

ClientSampleId :

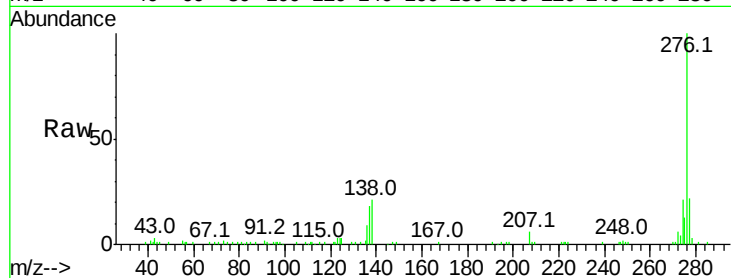
Tot Ion:167 Resp: 136

Ion Ratio Lower Upper

167 100

166 0.0 20.2 30.2#

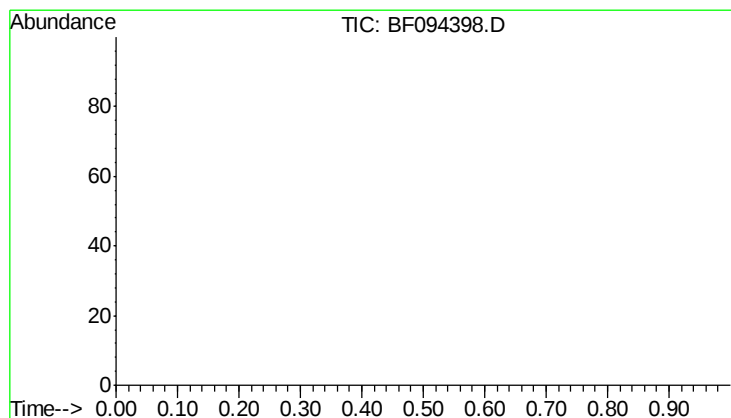
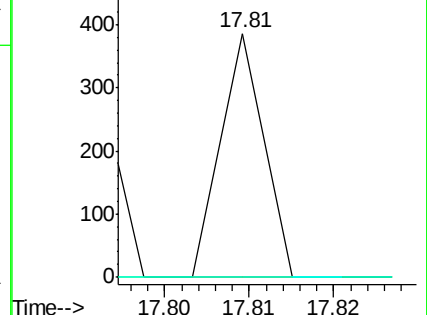
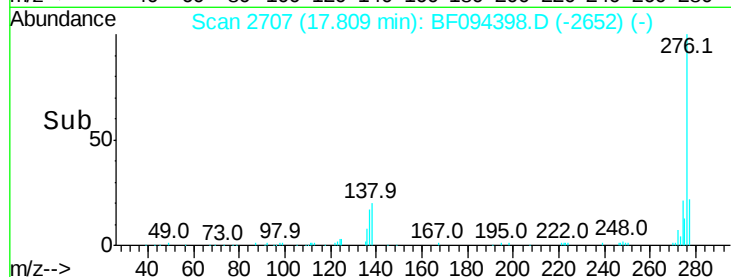
139 0.0 12.8 19.2#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 0.00 ng

Expected RT: 21.64 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

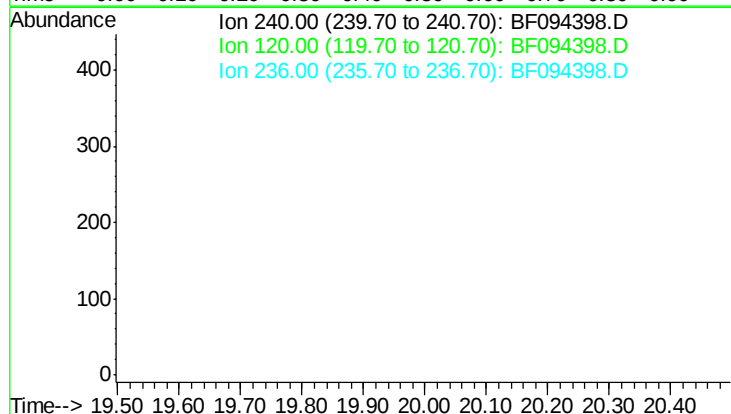
Tgt Ion: 240

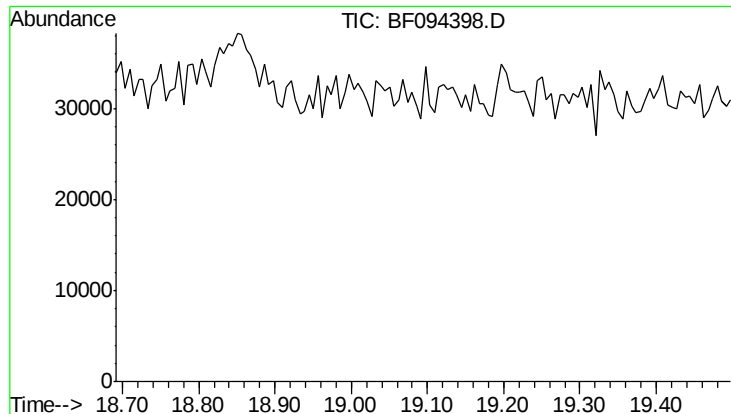
Sig Exp Ratio

240 100

120 7.1

236 27.8

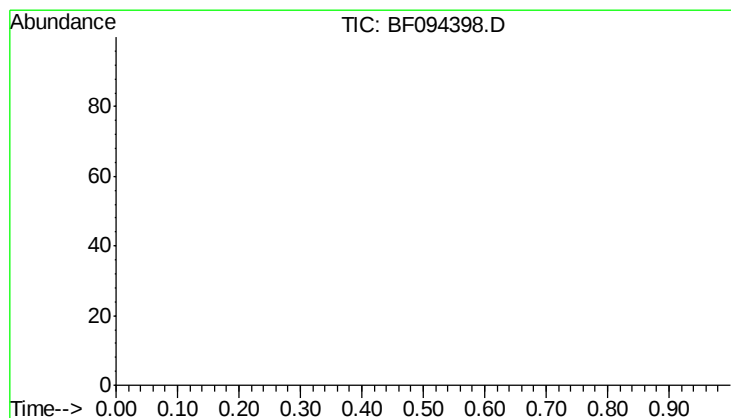
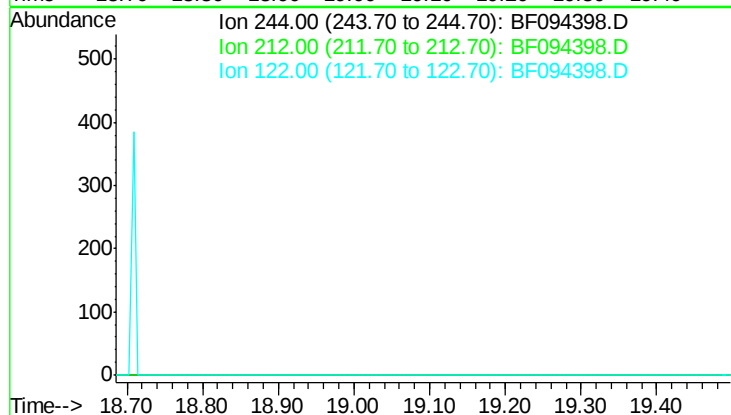




#78
 Terphenyl-d14
 Concen: 0.00 ng
 Expected RT: 19.99 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	244
Sig	Exp Ratio
244	100
212	12.5
122	10.7



#86
 Perylene-d12
 Concen: 0.00 ng
 Expected RT: 24.82 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

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

