

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041317\
 Data File : BF094408.D
 Acq On : 13 Apr 2017 23:24
 Operator : SJ/MA
 Sample : I2670-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 14 00:52:12 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	0.00	136	0	0.00	ng	-10.85
38) Acenaphthene-d10	14.66	164	115	20.00	ng	0.00
63) Phenanthrene-d10	17.37	188	264	20.00	ng	-0.02
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	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	7.31	99	619	0.00	ng	0.10
23) Nitrobenzene-d5	9.42	82	24670	0.00	ng	0.22
41) 2,4,6-Tribromophenol	16.16	330	120	91.12	ng	0.02
44) 2-Fluorobiphenyl	13.22	172	1534	187.06	ng	-0.06
78) Terphenyl-d14	0.00	244	0	0.00	ng	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) 1,2,4,5-Tetrachlorobenzene	12.86	216	639	184.67	ng	# 1
40) Hexachlorocyclopentadiene	12.87	237	166	91.14	ng	# 7
42) 2,4,6-Trichlorophenol	13.02	196	508	224.23	ng	# 1
43) 2,4,5-Trichlorophenol	13.22	196	1448	578.24	ng	# 1
45) 1,1'-Biphenyl	13.57	154	1747	183.43	ng	# 79
46) 2-Chloronaphthalene	13.55	162	1069	153.68	ng	# 81
47) 2-Nitroaniline	13.72	65	117	59.15	ng	# 1
48) Acenaphthylene	14.37	152	1680	138.55	ng	# 2
49) Dimethylphthalate	14.10	163	1515	174.54	ng	# 16
50) 2,6-Dinitrotoluene	14.25	165	1130	557.78	ng	# 38
51) Acenaphthene	14.73	154	277	37.10	ng	# 37
52) 3-Nitroaniline	14.57	138	205	91.90	ng	# 1
53) 2,4-Dinitrophenol	14.95	184	150	127.64	ng	# 90
54) Dibenzofuran	15.05	168	292	27.77	ng	# 1
55) 4-Nitrophenol	14.84	139	537	293.98	ng	# 1
56) 2,4-Dinitrotoluene	15.00	165	5877	2062.61	ng	# 39
57) Fluorene	15.70	166	299	31.96	ng	# 21
58) 2,3,4,6-Tetrachlorophenol	15.28	232	75	34.34	ng	# 1
59) Diethylphthalate	15.55	149	99291	11191.41	ng	# 1
60) 4-Chlorophenyl-phenylether	15.70	204	521	117.51	ng	# 37
61) 4-Nitroaniline	15.69	138	1344	569.59	ng	# 32
62) Azobenzene	15.99	77	618	85.67	ng	# 1
64) 4,6-Dinitro-2-methylphenol	15.73	198	4428	2660.38	ng	# 61
65) n-Nitrosodiphenylamine	15.90	169	568	73.31	ng	# 48
66) 4-Bromophenyl-phenylether	16.54	248	156	57.41	ng	# 42
67) Hexachlorobenzene	16.70	284	253	87.28	ng	# 1
68) Atrazine	16.82	200	95	32.39	ng	# 1
69) Pentachlorophenol	16.93	266	1587	842.10	ng	# 96
70) Phenanthrene	17.38	178	647	45.64	ng	# 1
71) Anthracene	17.49	178	436	30.14	ng	# 1
72) Carbazole	17.76	167	204	13.70	ng	# 1
73) Di-n-butylphthalate	18.34	149	760	49.67	ng	# 31
74) Fluoranthene	19.44	202	1105	66.28	ng	# 1

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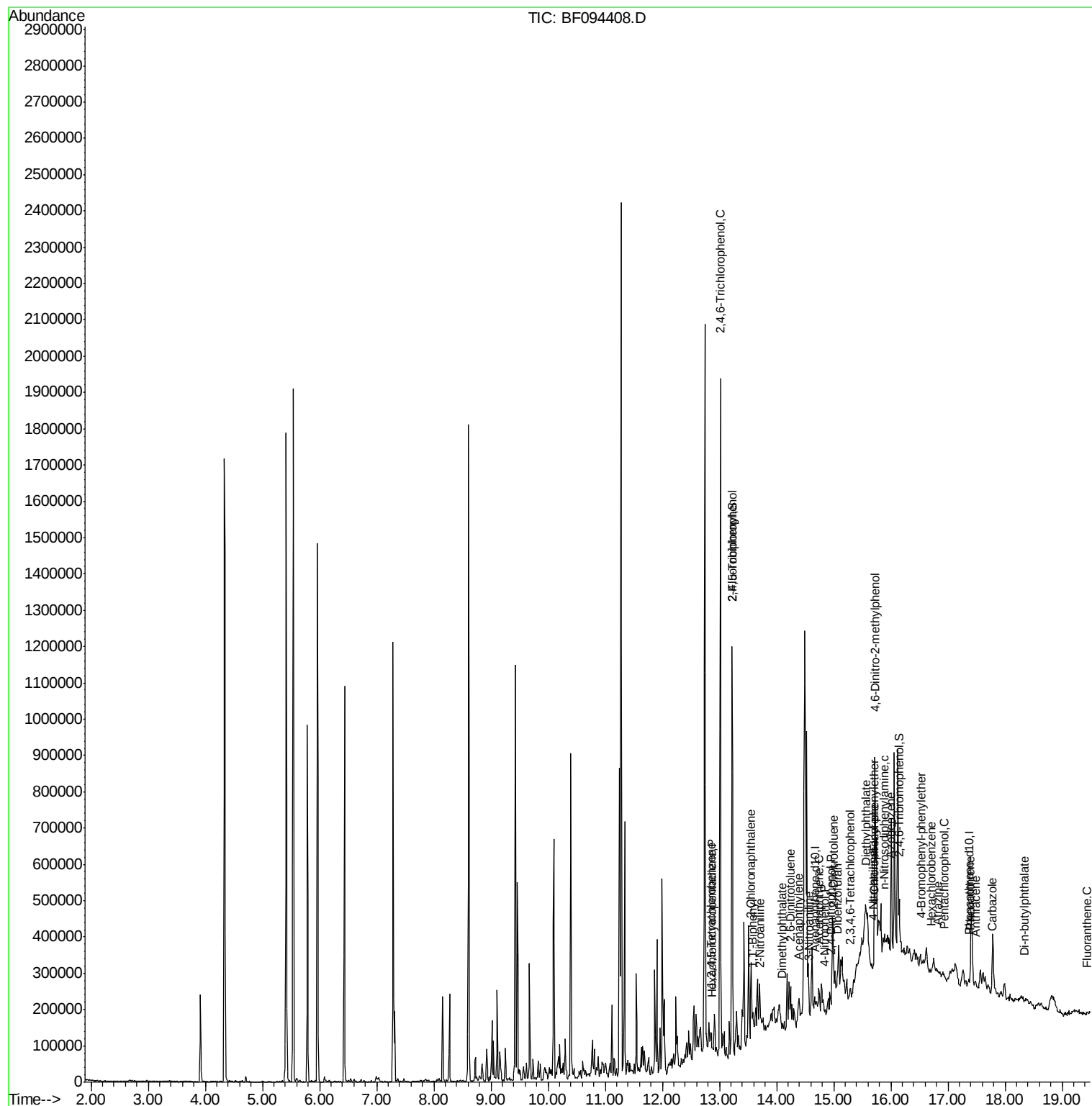
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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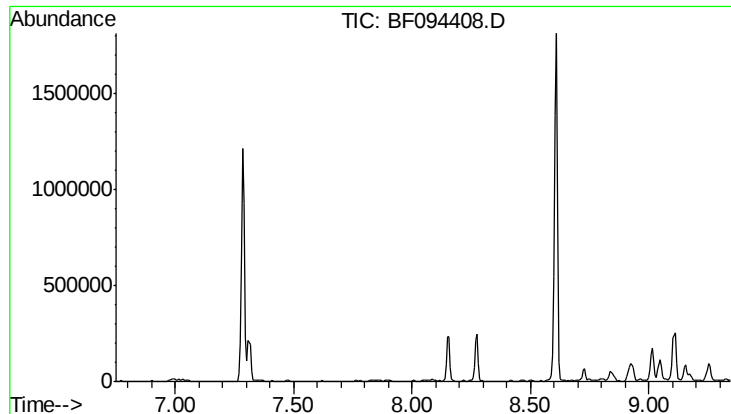
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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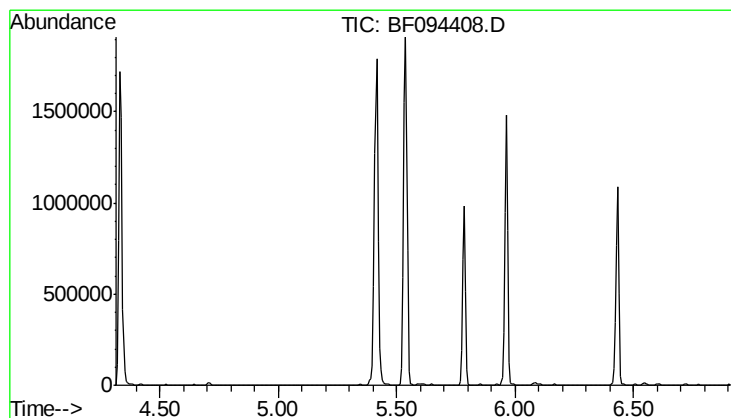
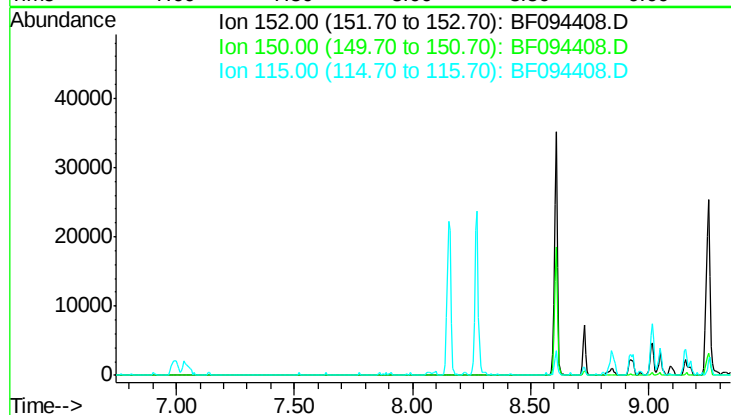




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.00 ng
 Expected RT: 8.05 min
 Lab File: BF094408.D
 Acq: 13 Apr 2017 23:24

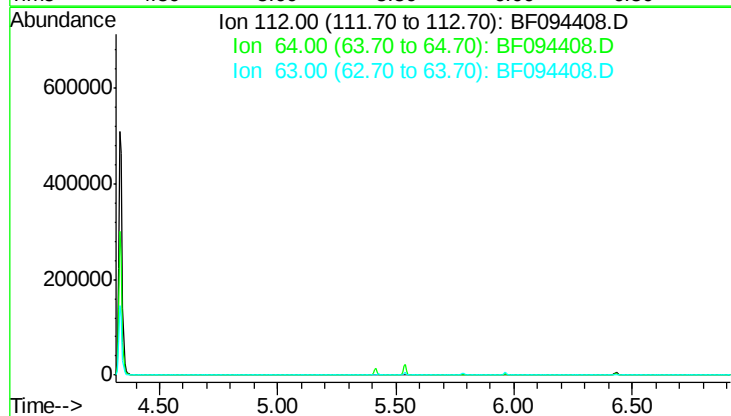
Instrument :
 BNA_F
 ClientSampleId :

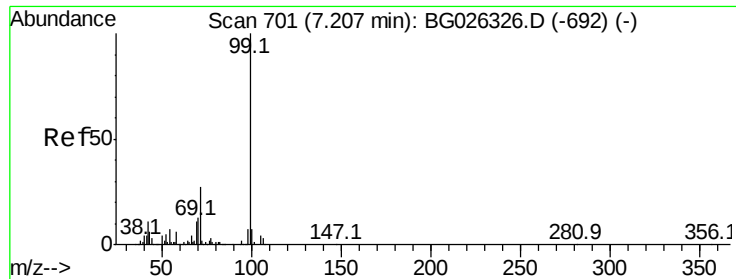
Tot Ion: 152
 Sig Exp Ratio
 152 100
 150 142.5
 115 60.1



#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.61 min
 Lab File: BF094408.D
 Acq: 13 Apr 2017 23:24

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 77.2
 63 46.5





#7

Phenol-d6

Concen: 0.00 ng

RT: 7.31 min Scan# 922

Delta R.T. 0.10 min

Lab File: BF094408.D

Acq: 13 Apr 2017 23:24

Instrument :

BNA_F

ClientSampleId :

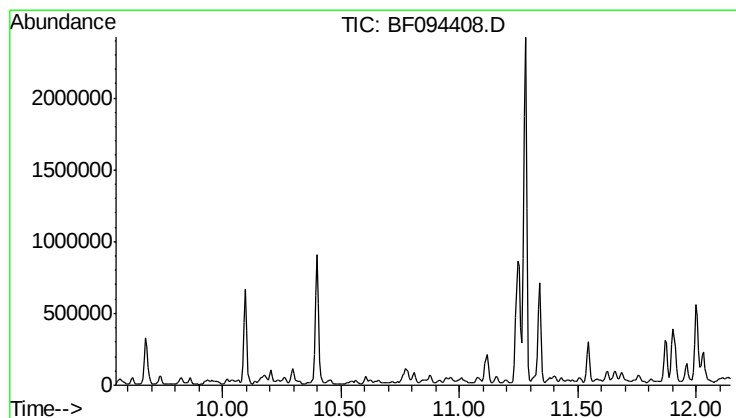
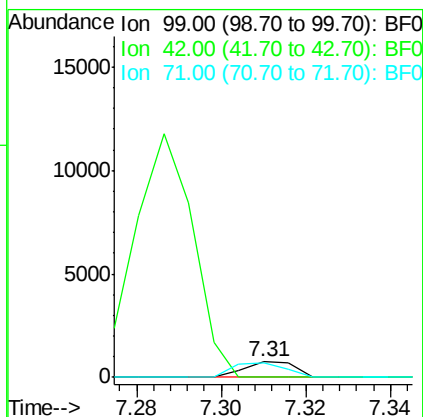
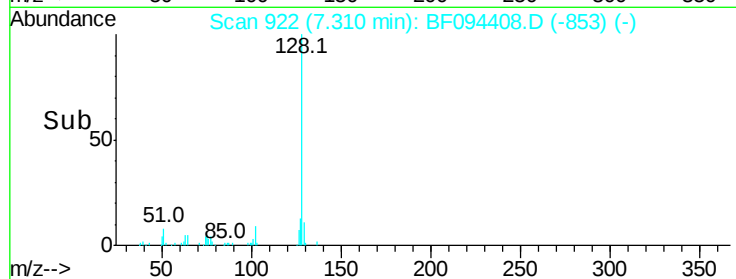
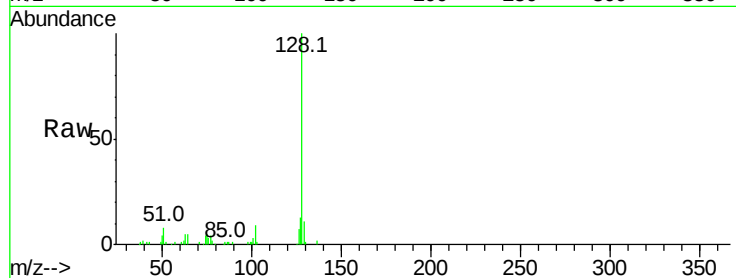
Tot Ion: 99 Resp: 619

Ion Ratio Lower Upper

99 100

42 0.0 20.5 30.7#

71 95.0 37.6 56.4#



#21

Naphthalene-d8

Concen: 0.00 ng

Expected RT: 10.85 min

Lab File: BF094408.D

Acq: 13 Apr 2017 23:24

Tgt Ion: 136

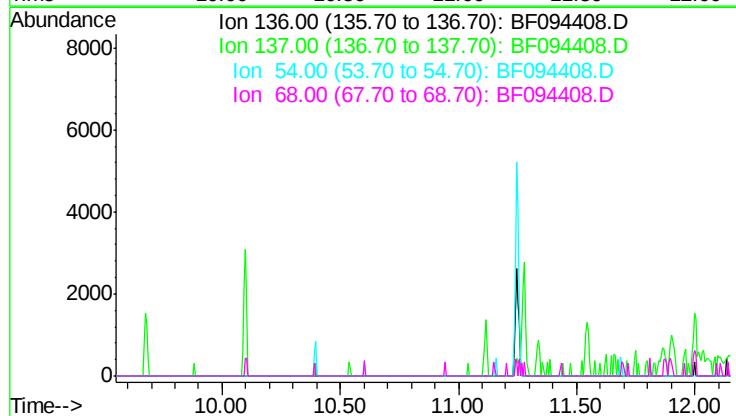
Sig Exp Ratio

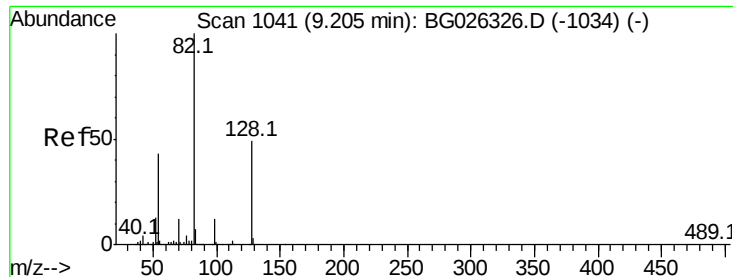
136 100

137 11.1

54 11.6

68 6.4

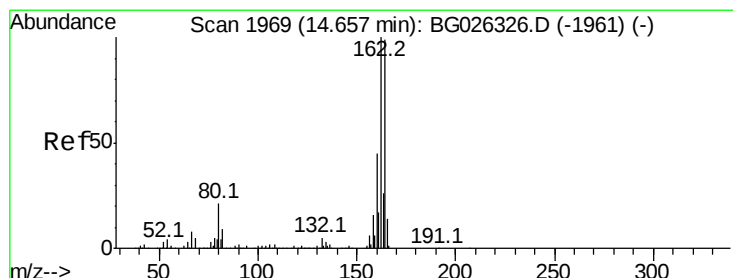
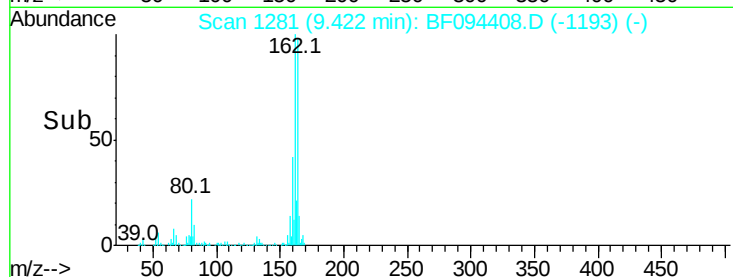
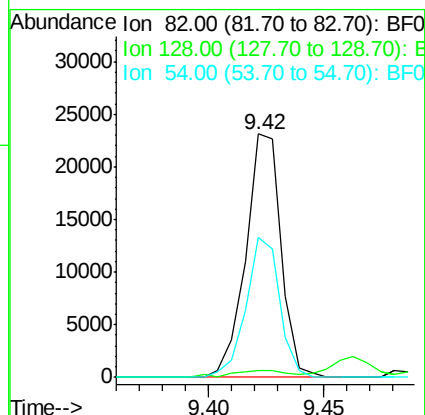
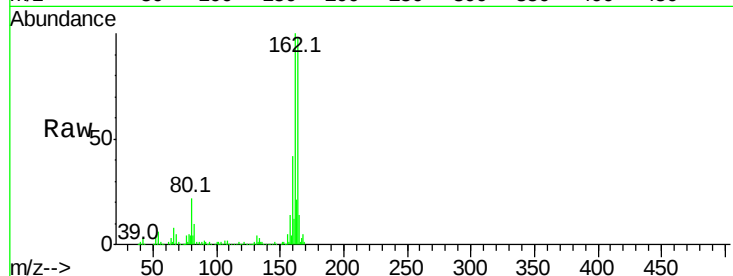




#23
 Nitrobenzene-d5
 Concen: 0.00 ng
 RT: 9.42 min Scan# 1281
 Delta R.T. 0.22 min
 Lab File: BF094408.D
 Acq: 13 Apr 2017 23:24

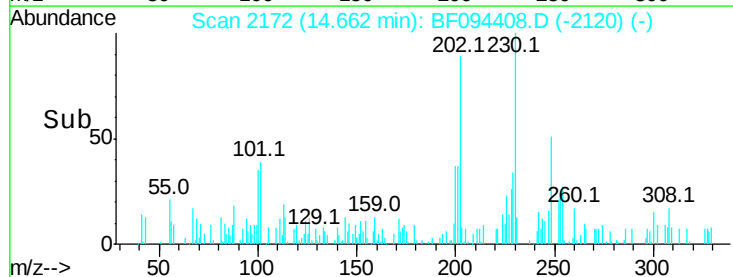
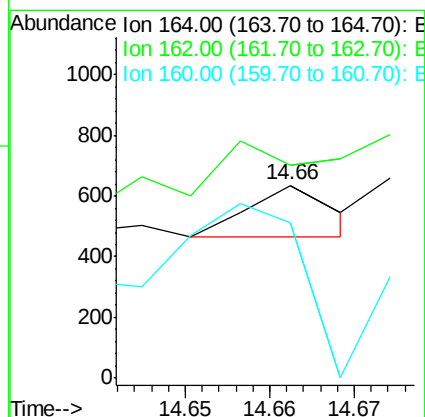
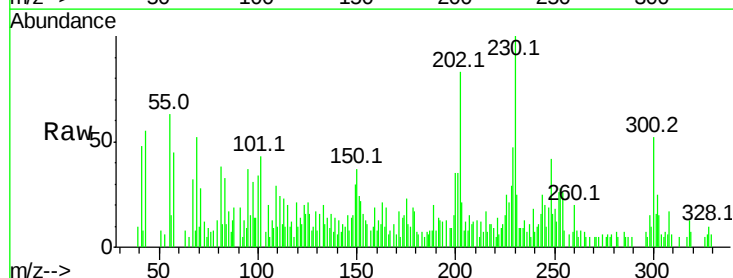
Instrument :
 BNA_F
 ClientSampleId :

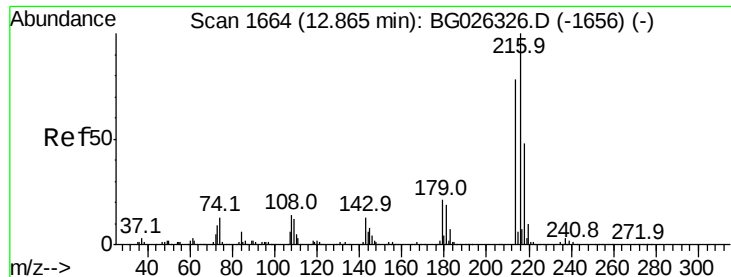
Tot Ion: 82 Resp: 24670
 Ion Ratio Lower Upper
 82 100
 128 3.0 26.4 39.6#
 54 57.3 49.4 74.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.66 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: BF094408.D
 Acq: 13 Apr 2017 23:24

Tgt Ion:164 Resp: 115
 Ion Ratio Lower Upper
 164 100
 162 110.9 85.1 127.7
 160 80.8 34.7 52.1#





#39

1,2,4,5-Tetrachlorobenzene

Concen: 184.67 ng

RT: 12.86 min Scan# 1865

Delta R.T. -0.01 min

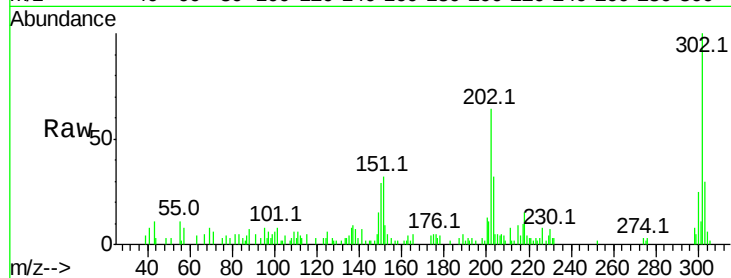
Lab File: BF094408.D

Acq: 13 Apr 2017 23:24

Instrument :

BNA_F

ClientSampled :



Tot Ion:216 Resp: 639

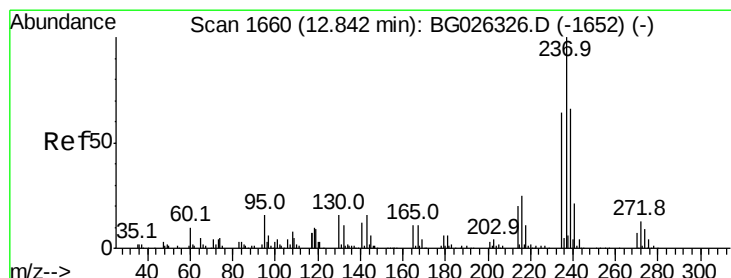
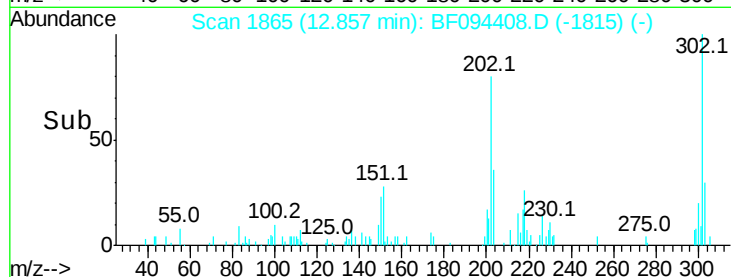
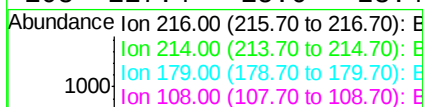
Ion Ratio Lower Upper

216 100

214 0.0 64.4 96.6#

179 87.5 17.4 26.0#

108 117.4 15.6 23.4#



#40

Hexachlorocyclopentadiene

Concen: 91.14 ng

RT: 12.87 min Scan# 1867

Delta R.T. 0.03 min

Lab File: BF094408.D

Acq: 13 Apr 2017 23:24

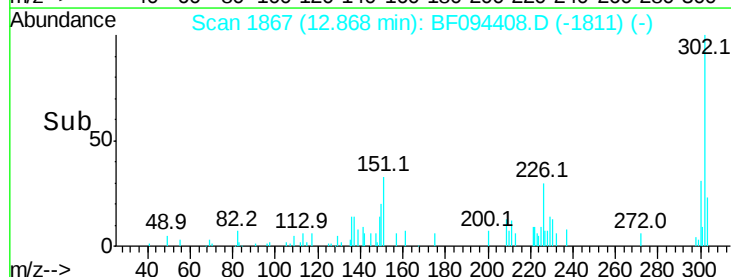
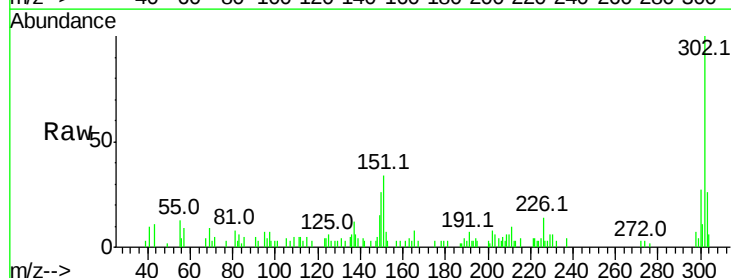
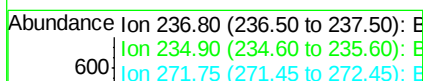
Tgt Ion:237 Resp: 166

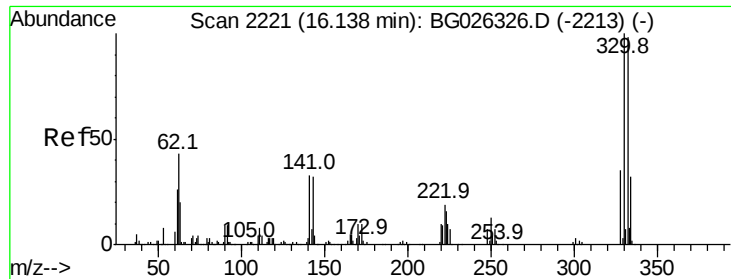
Ion Ratio Lower Upper

237 100

235 0.0 39.4 79.4#

272 74.1 0.0 32.0#

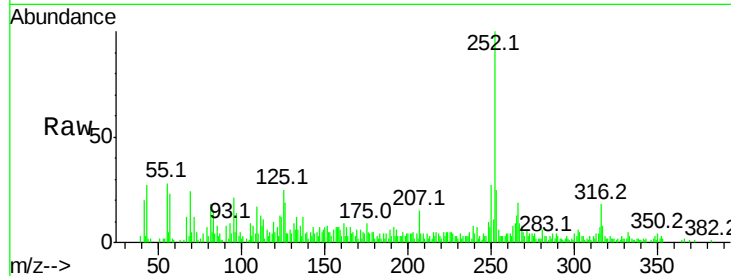




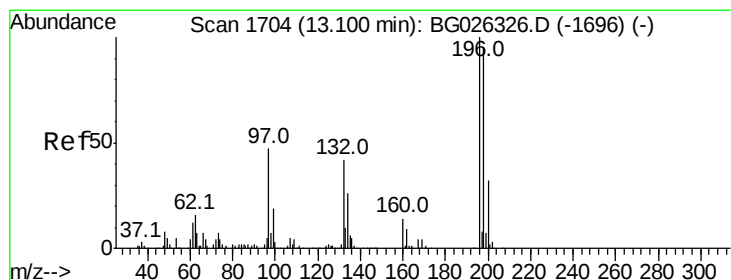
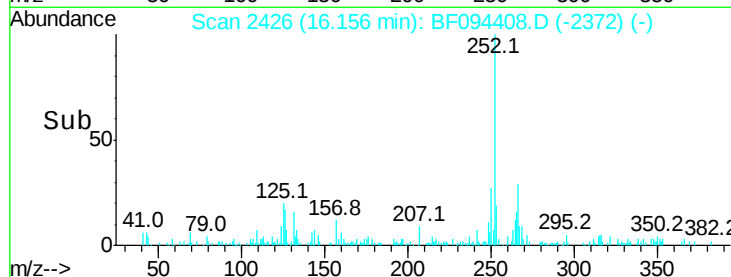
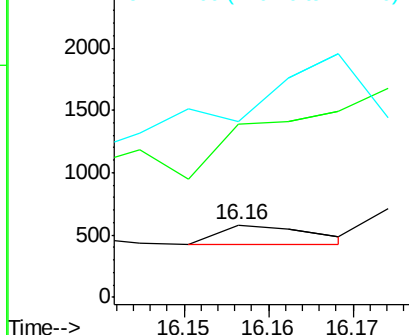
#41
2,4,6-Tribromophenol
Concen: 91.12 ng
RT: 16.16 min Scan# 2426
Delta R.T. 0.02 min
Lab File: BF094408.D
Acq: 13 Apr 2017 23:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:330 Resp: 120
Ion Ratio Lower Upper
330 100
332 0.0 77.3 115.9#
141 757.5 32.1 48.1#

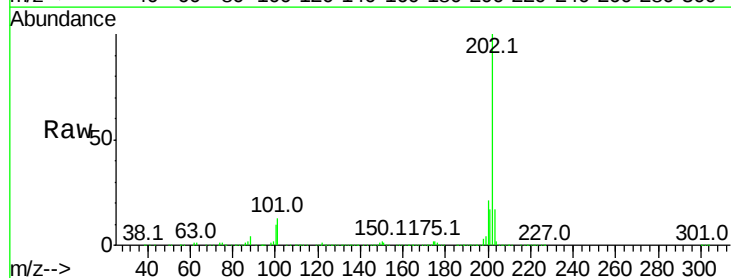


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

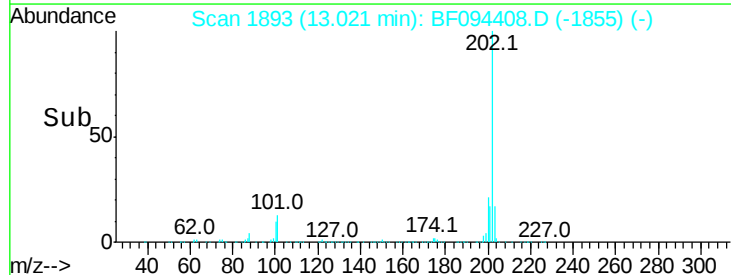
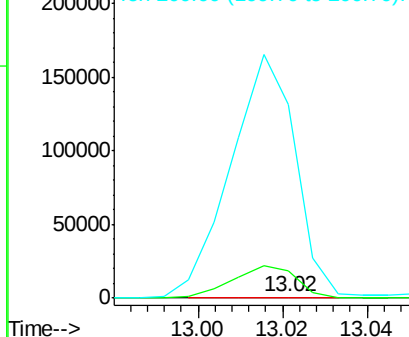


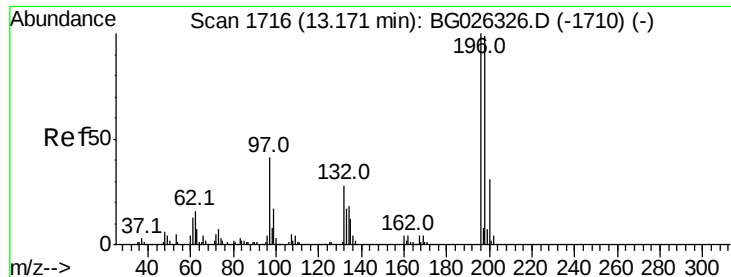
#42
2,4,6-Trichlorophenol
Concen: 224.23 ng
RT: 13.02 min Scan# 1893
Delta R.T. -0.08 min
Lab File: BF094408.D
Acq: 13 Apr 2017 23:24

Tgt Ion:196 Resp: 508
Ion Ratio Lower Upper
196 100
198 3396.6 81.4 122.2#
200 24539.3 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

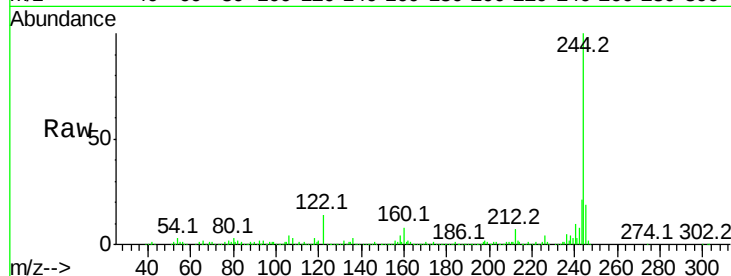




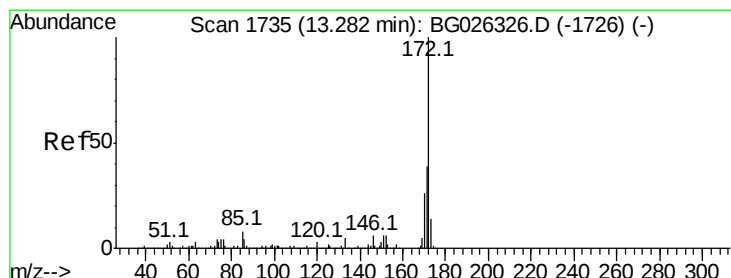
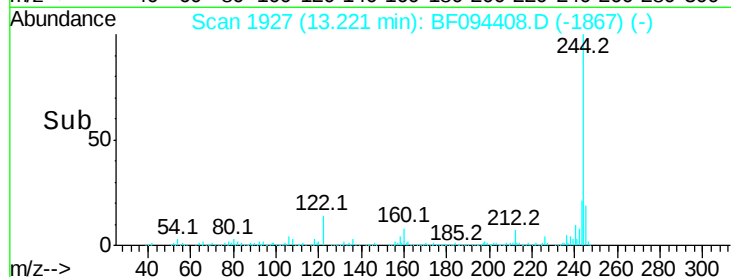
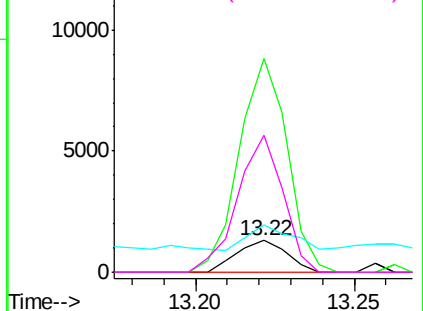
#43
2,4,5-Trichlorophenol
Concen: 578.24 ng
RT: 13.22 min Scan# 1927
Delta R.T. 0.05 min
Lab File: BF094408.D
Acq: 13 Apr 2017 23:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
196	100		
198	671.7	79.9	119.9#
97	148.7	45.4	68.0#
132	428.8	20.7	31.1#

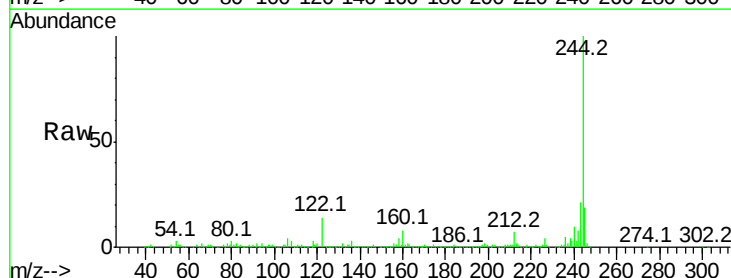


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BF0
Ion 132.00 (131.70 to 132.70): E

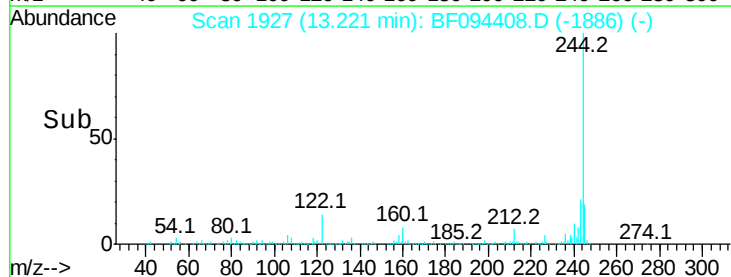
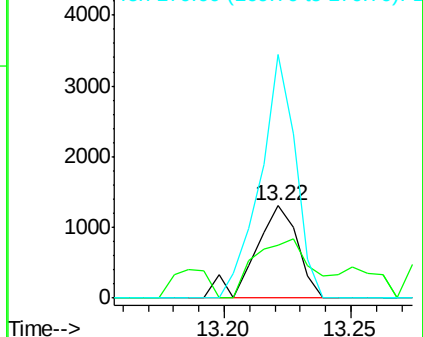


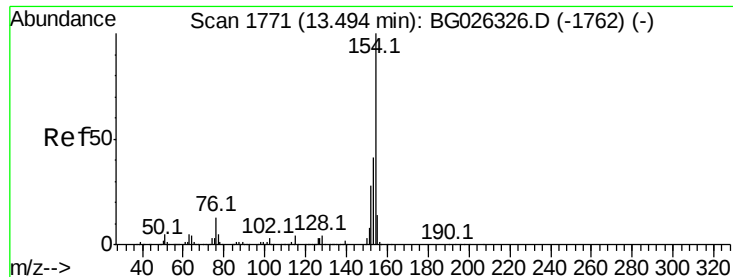
#44
2-Fluorobiphenyl
Concen: 187.06 ng
RT: 13.22 min Scan# 1927
Delta R.T. -0.06 min
Lab File: BF094408.D
Acq: 13 Apr 2017 23:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	57.2	32.2	48.2#
170	264.8	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





#45

1,1'-Biphenyl

Concen: 183.43 ng

RT: 13.57 min Scan# 1987

Delta R.T. 0.08 min

Lab File: BF094408.D

Acq: 13 Apr 2017 23:24

Instrument :

BNA_F

ClientSampled :

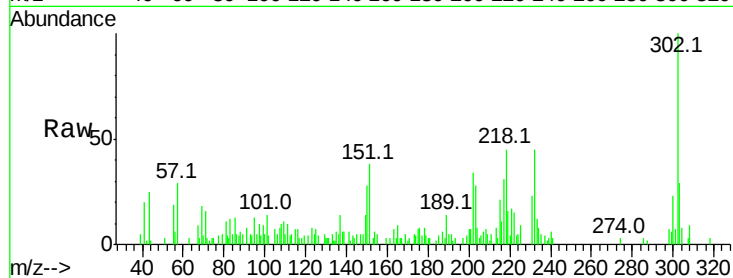
Tot Ion:154 Resp: 1747

Ion Ratio Lower Upper

154 100

153 53.8 23.0 63.0

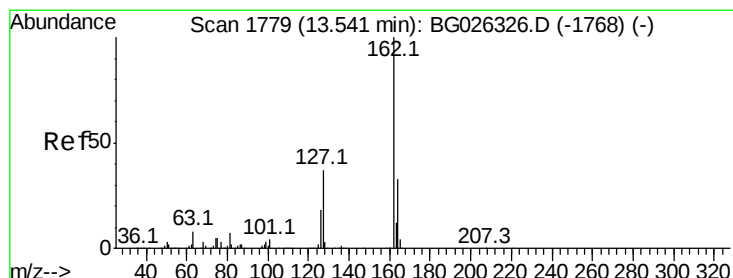
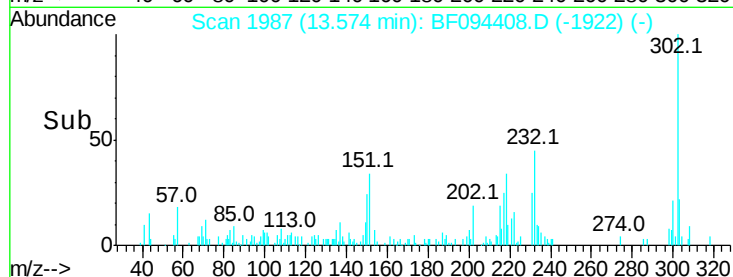
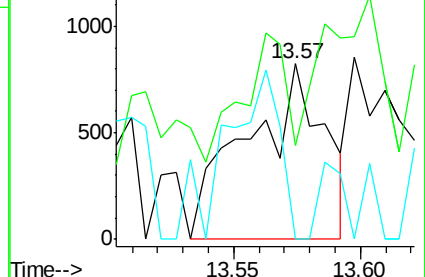
76 0.0 0.0 33.5



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: 153.68 ng

RT: 13.55 min Scan# 1983

Delta R.T. 0.01 min

Lab File: BF094408.D

Acq: 13 Apr 2017 23:24

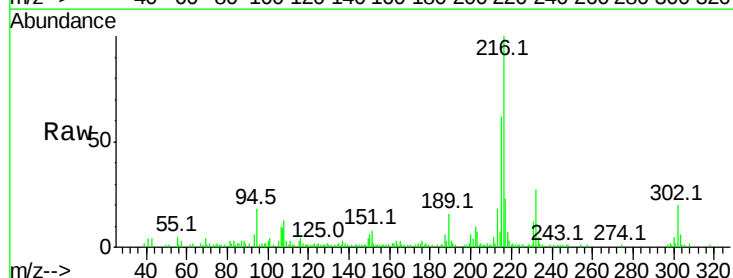
Tgt Ion:162 Resp: 1069

Ion Ratio Lower Upper

162 100

127 36.4 32.2 48.4

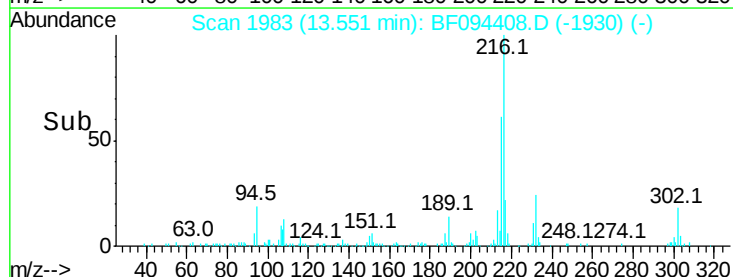
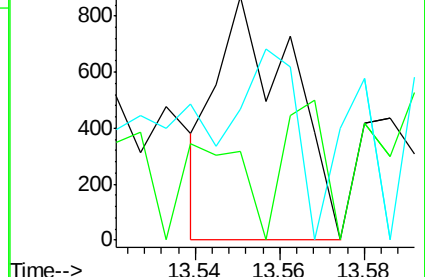
164 53.6 27.3 40.9#

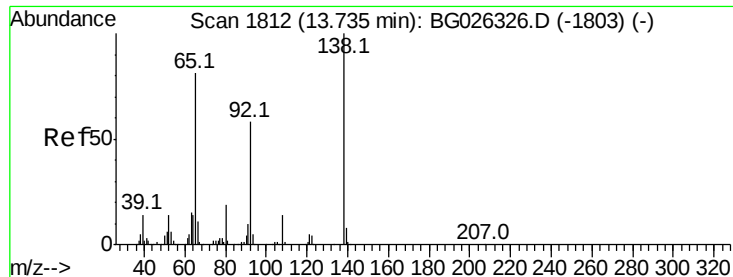


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

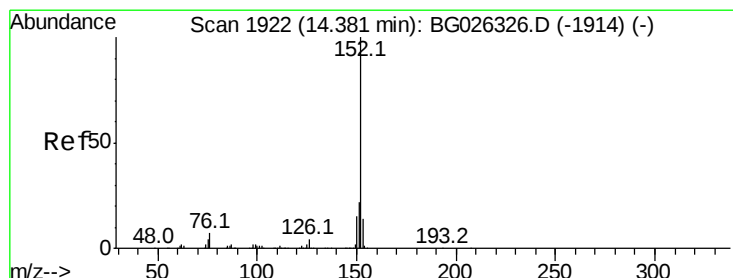
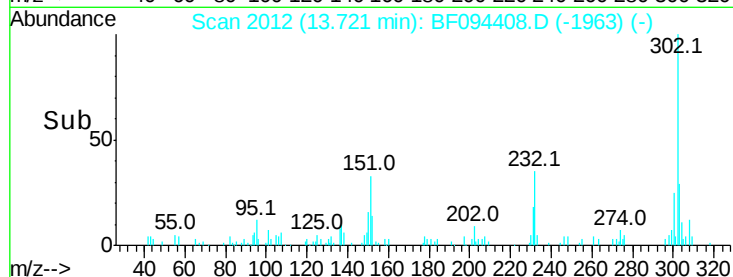
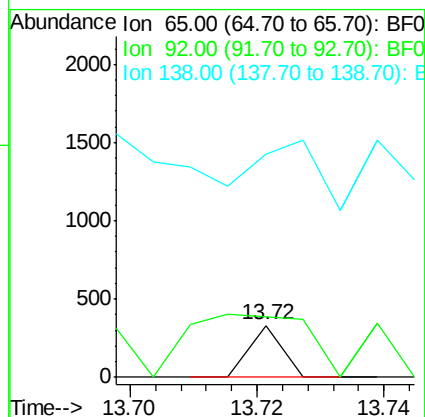
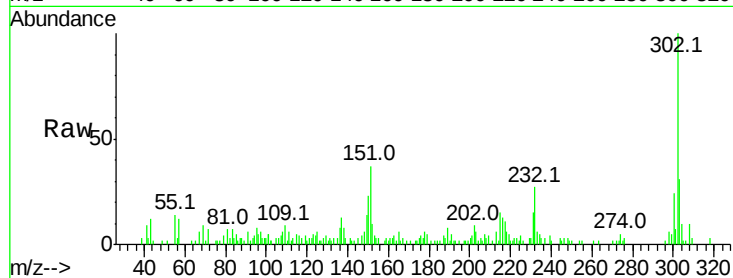




#47
2-Nitroaniline
Concen: 59.15 ng
RT: 13.72 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF094408.D
Acq: 13 Apr 2017 23:24

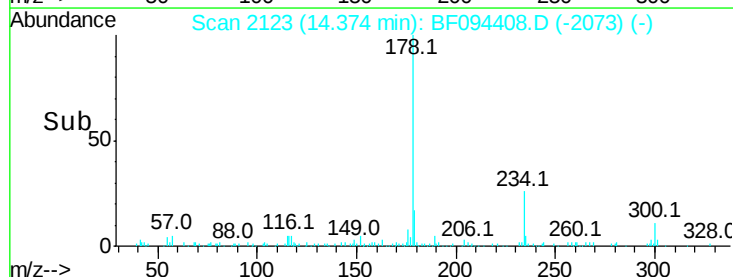
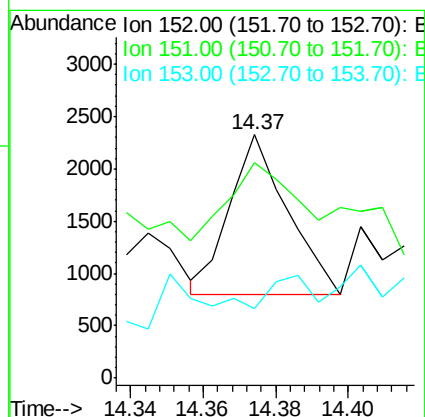
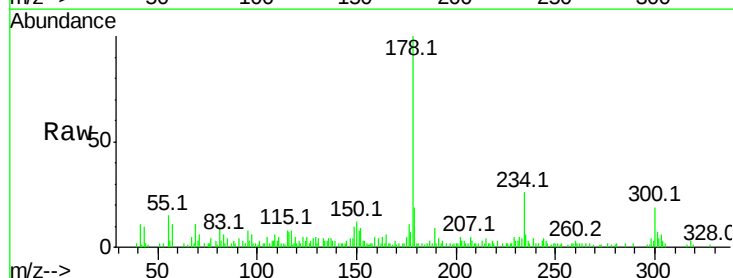
Instrument :
BNA_F
ClientSampleId :

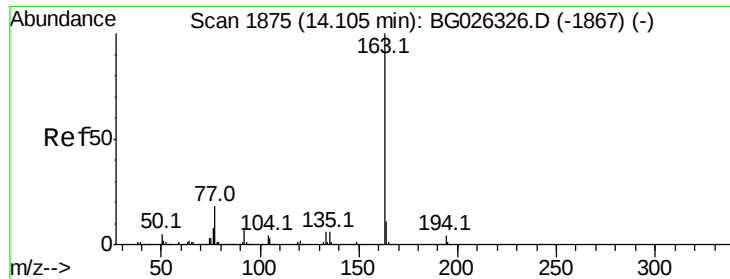
Tot Ion	Ratio	Lower	Upper
65	100		
92	115.7	49.0	73.4#
138	430.4	58.6	87.8#



#48
Acenaphthylene
Concen: 138.55 ng
RT: 14.37 min Scan# 2123
Delta R.T. -0.01 min
Lab File: BF094408.D
Acq: 13 Apr 2017 23:24

Tgt Ion	Ratio	Lower	Upper
152	100		
151	88.7	18.2	27.2#
153	28.6	11.3	16.9#





#49

Dimethylphthalate

Concen: 174.54 ng

RT: 14.10 min Scan# 2076

Delta R.T. -0.01 min

Lab File: BF094408.D

Acq: 13 Apr 2017 23:24

Instrument :

BNA_F

ClientSampled :

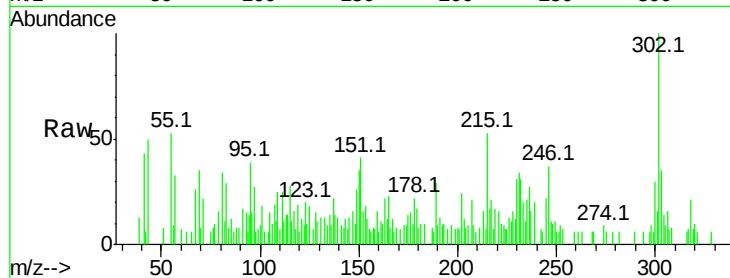
Tot Ion:163 Resp: 1515

Ion Ratio Lower Upper

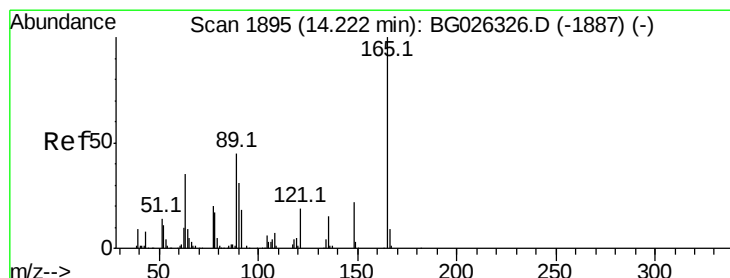
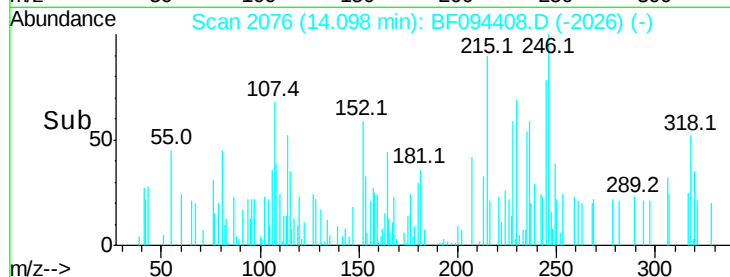
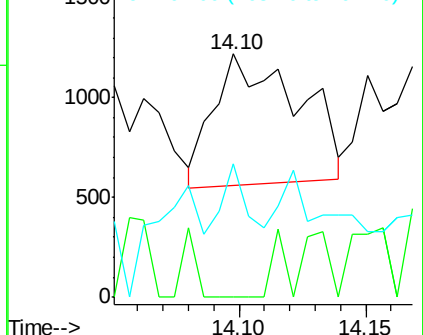
163 100

194 0.0 3.8 5.6#

164 54.7 9.3 13.9#



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 557.78 ng

RT: 14.25 min Scan# 2102

Delta R.T. 0.03 min

Lab File: BF094408.D

Acq: 13 Apr 2017 23:24

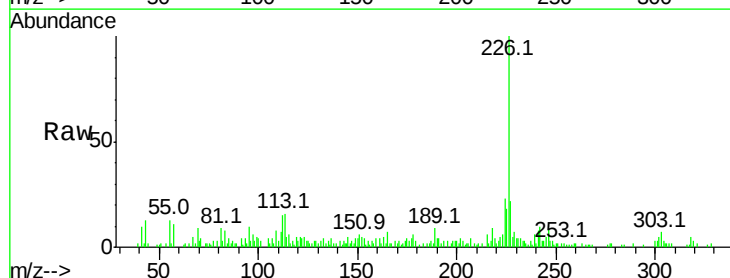
Tgt Ion:165 Resp: 1130

Ion Ratio Lower Upper

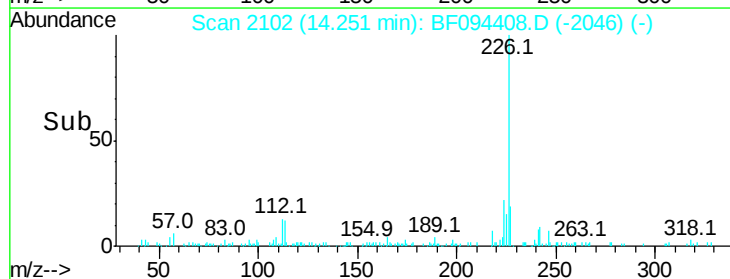
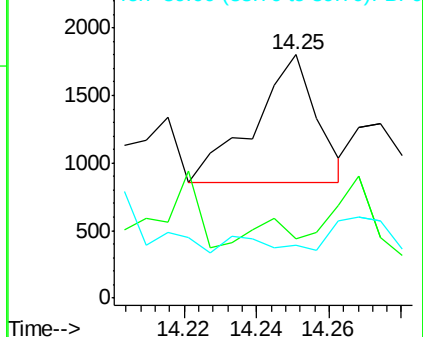
165 100

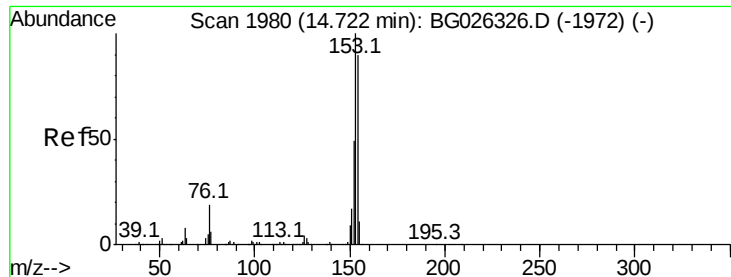
63 24.5 63.9 95.9#

89 21.8 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





#51

Acenaphthene

Concen: 37.10 ng

RT: 14.73 min Scan# 2184

Delta R.T. 0.01 min

Lab File: BF094408.D

Acq: 13 Apr 2017 23:24

Instrument :

BNA_F

ClientSampled :

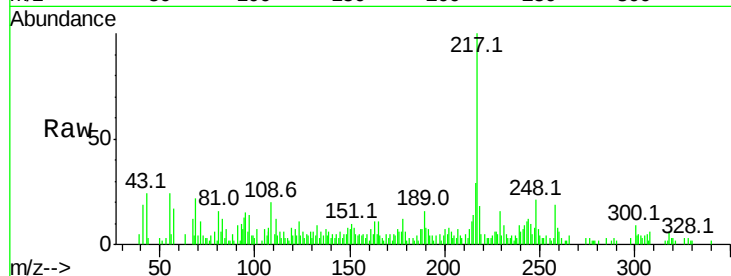
Tot Ion:154 Resp: 277

Ion Ratio Lower Upper

154 100

153 114.6 87.8 131.6

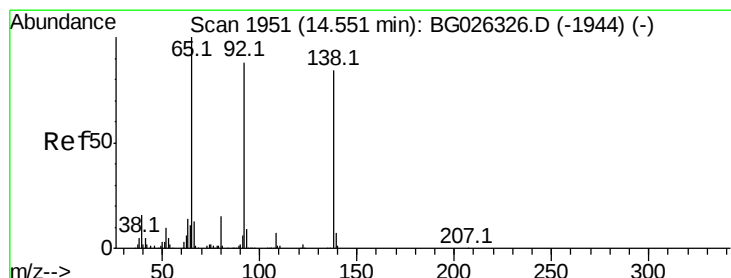
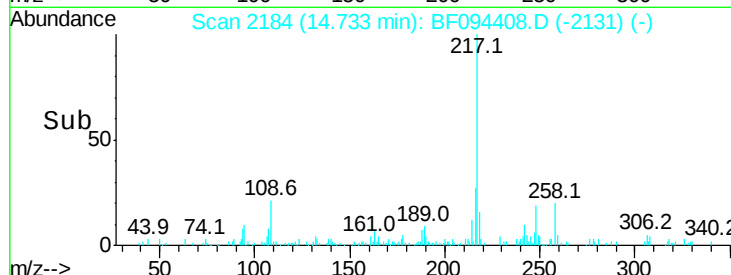
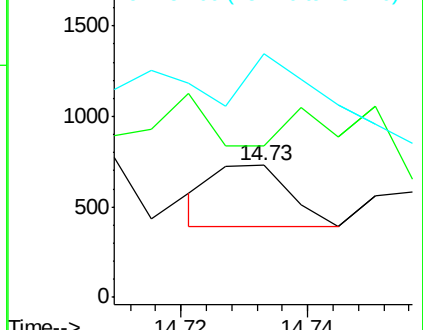
152 184.1 42.2 63.4#



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: 91.90 ng

RT: 14.57 min Scan# 2157

Delta R.T. 0.02 min

Lab File: BF094408.D

Acq: 13 Apr 2017 23:24

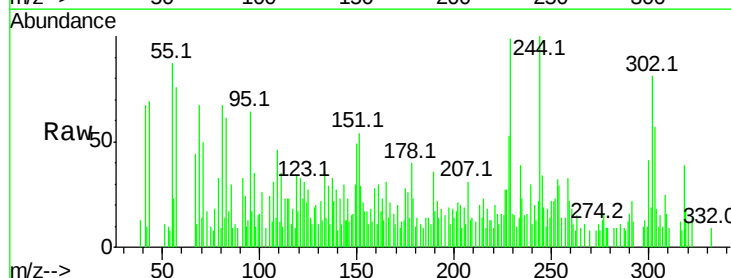
Tgt Ion:138 Resp: 205

Ion Ratio Lower Upper

138 100

108 66.1 10.9 16.3#

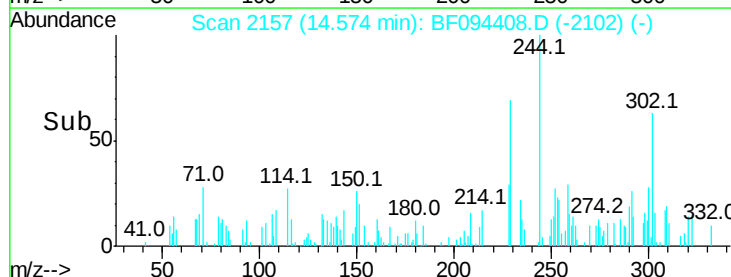
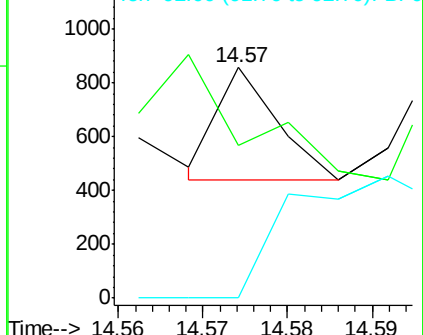
92 0.0 115.3 172.9#

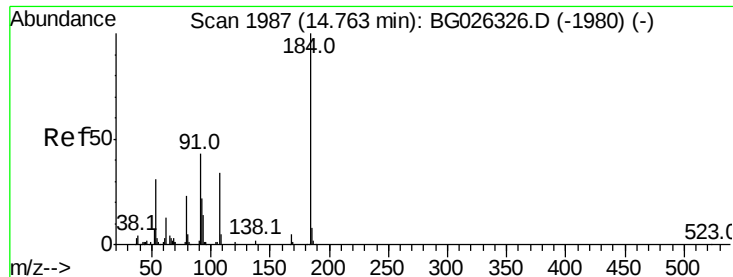


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

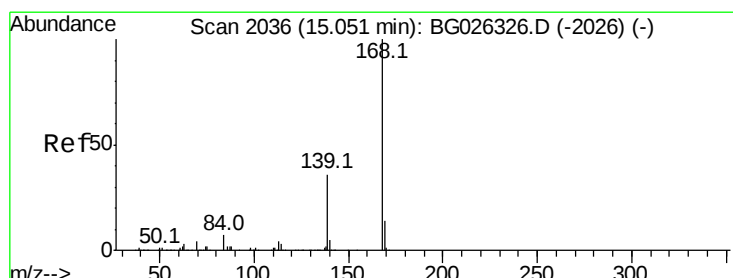
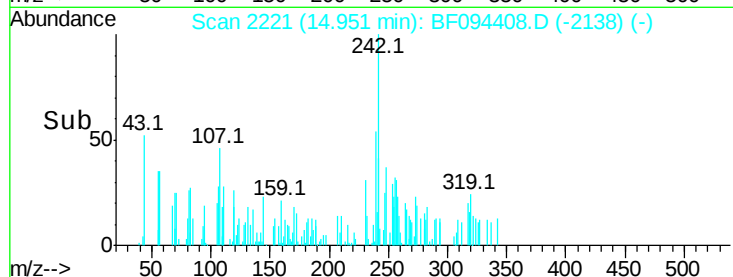
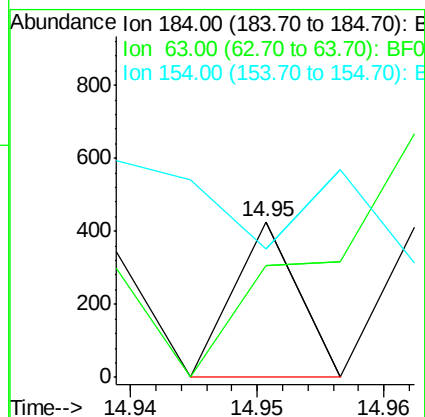
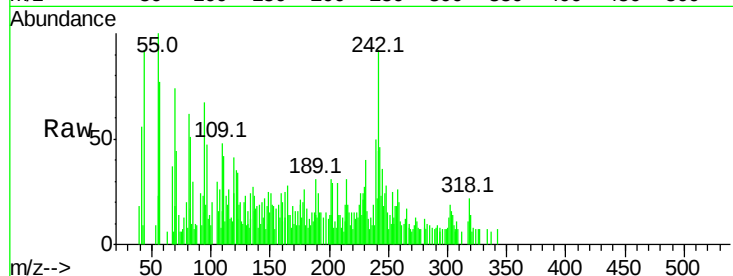




#53
2,4-Dinitrophenol
Concen: 127.64 ng
RT: 14.95 min Scan# 2221
Delta R.T. 0.19 min
Lab File: BF094408.D
Acq: 13 Apr 2017 23:24

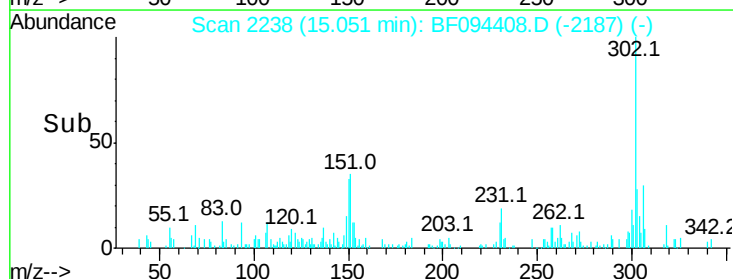
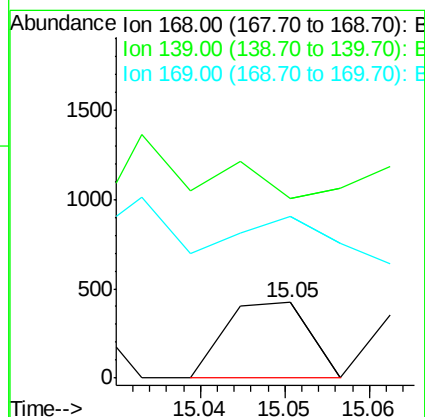
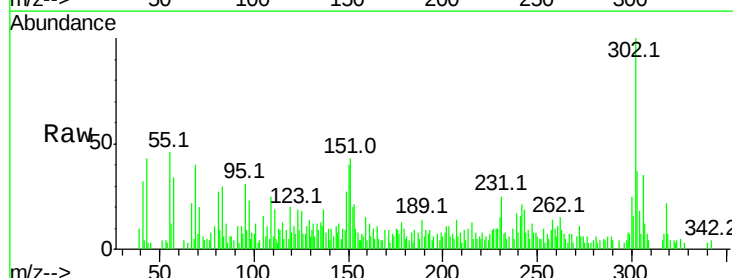
Instrument :
BNA_F
ClientSampleId :

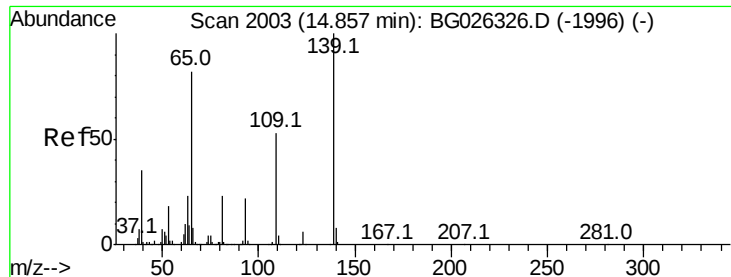
Tot Ion:184 Resp: 150
Ion Ratio Lower Upper
184 100
63 71.8 52.7 79.1
154 82.6 57.3 85.9



#54
Dibenzofuran
Concen: 27.77 ng
RT: 15.05 min Scan# 2238
Delta R.T. -0.00 min
Lab File: BF094408.D
Acq: 13 Apr 2017 23:24

Tgt Ion:168 Resp: 292
Ion Ratio Lower Upper
168 100
139 237.7 35.3 52.9#
169 213.0 11.5 17.3#





#55

4-Nitrophenol

Concen: 293.98 ng

RT: 14.84 min Scan# 2202

Delta R.T. -0.02 min

Lab File: BF094408.D

Acq: 13 Apr 2017 23:24

Instrument :

BNA_F

ClientSampleId :

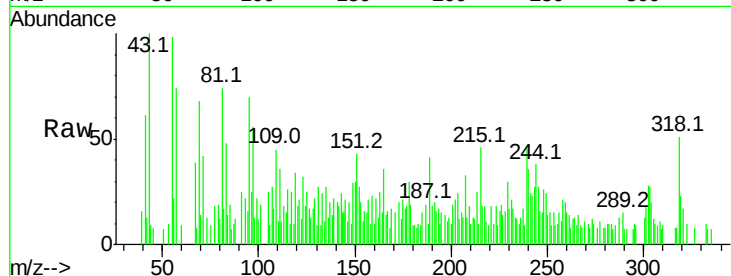
Tot Ion:139 Resp: 537

Ion Ratio Lower Upper

139 100

109 202.2 101.2 141.2#

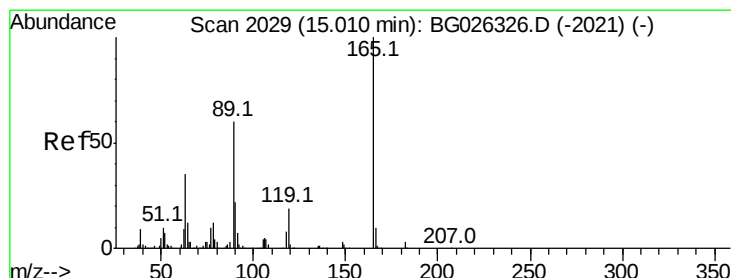
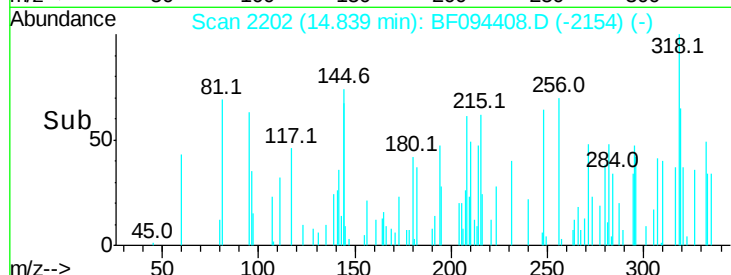
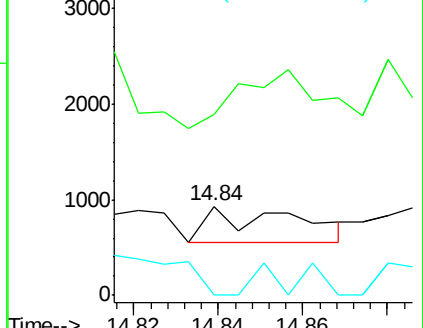
65 0.0 135.3 175.3#



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: 2062.61 ng

RT: 15.00 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BF094408.D

Acq: 13 Apr 2017 23:24

Tgt Ion:165 Resp: 5877

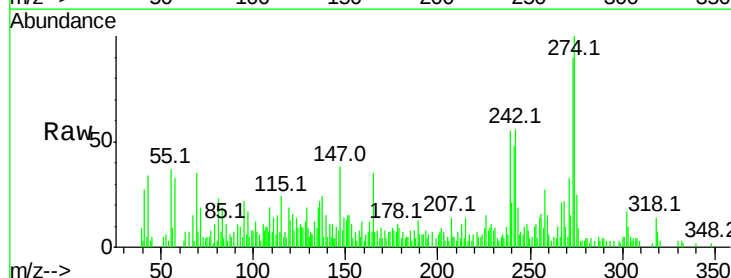
Ion Ratio Lower Upper

165 100

63 20.2 44.0 66.0#

89 19.5 67.3 100.9#

182 11.8 3.8 5.6#

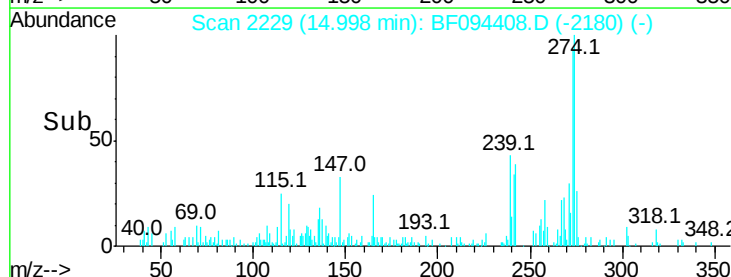
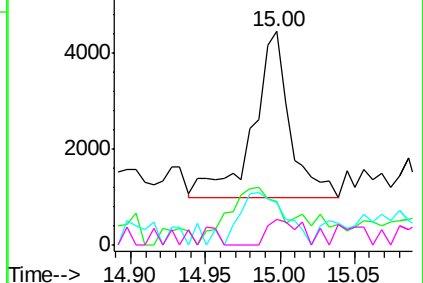


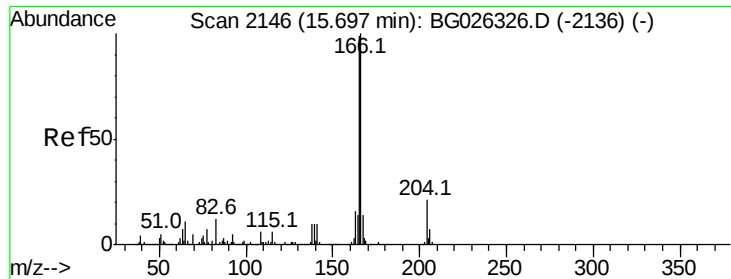
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: 31.96 ng

RT: 15.70 min Scan# 2349

Delta R.T. 0.01 min

Lab File: BF094408.D

Acq: 13 Apr 2017 23:24

Instrument :

BNA_F

ClientSampled :

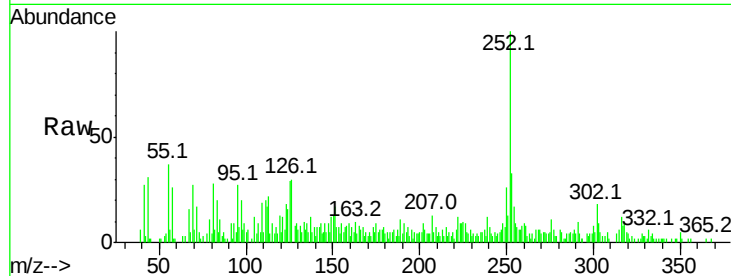
Tot Ion:166 Resp: 299

Ion Ratio Lower Upper

166 100

165 147.6 78.6 117.8#

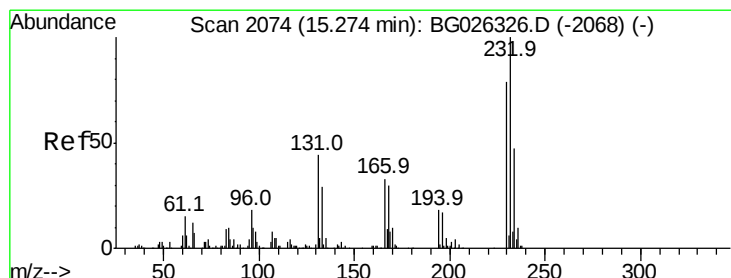
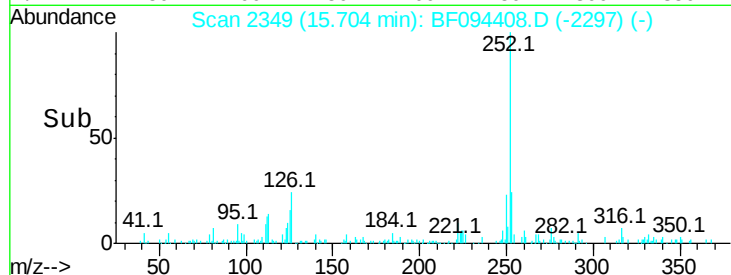
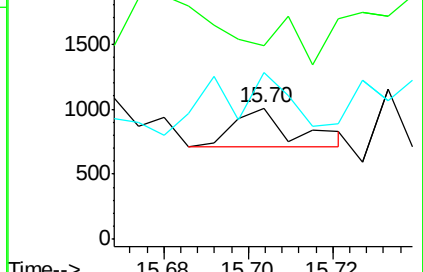
167 127.1 11.6 17.4#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 34.34 ng

RT: 15.28 min Scan# 2277

Delta R.T. 0.01 min

Lab File: BF094408.D

Acq: 13 Apr 2017 23:24

Tgt Ion:232 Resp: 75

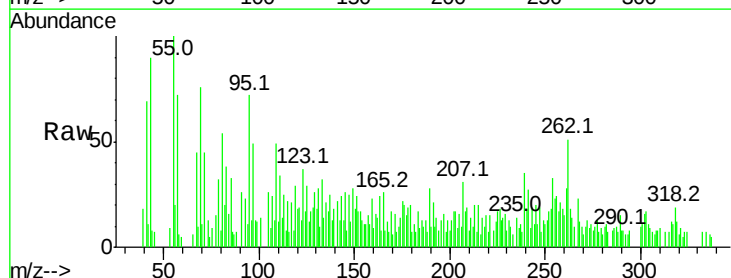
Ion Ratio Lower Upper

232 100

131 640.0 34.9 52.3#

130 365.3 2.3 3.5#

166 316.0 24.2 36.4#

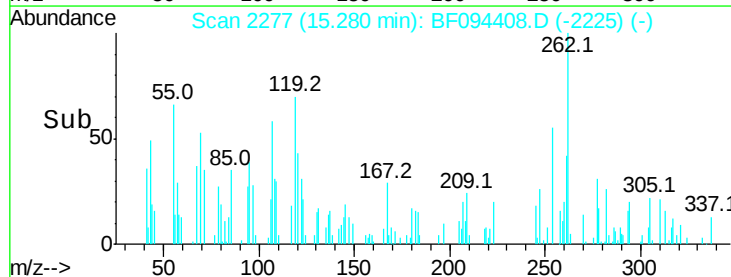
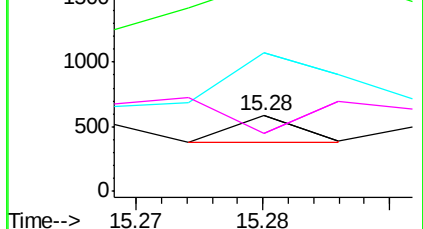


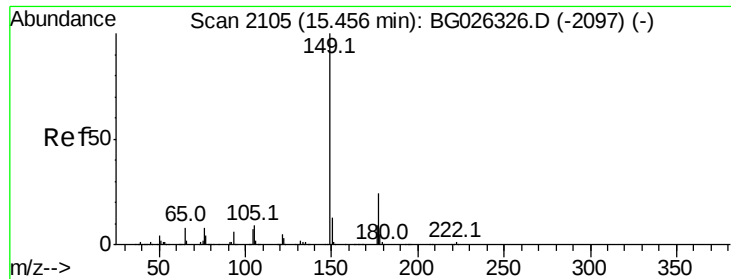
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

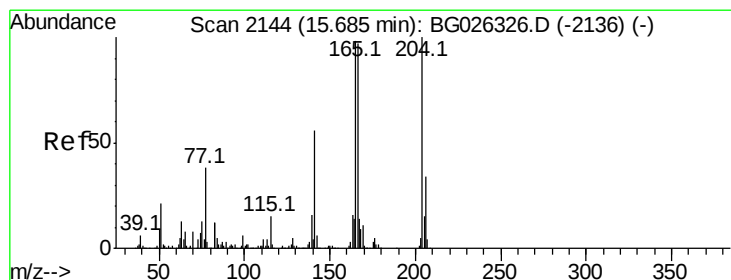
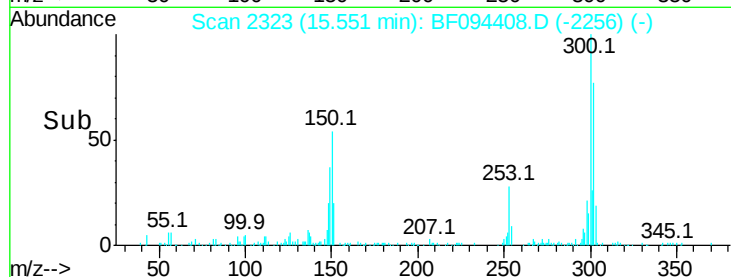
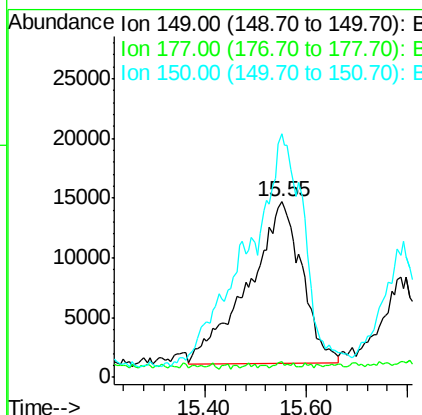
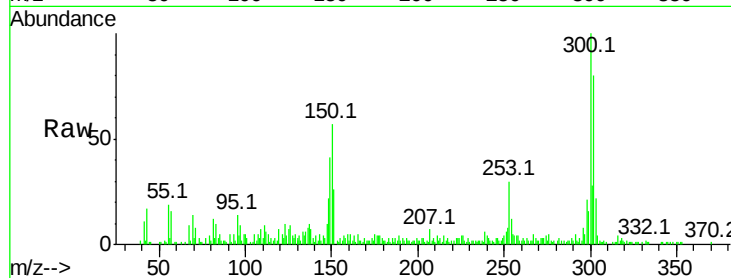




#59
 Diethylphthalate
 Concen: 11191.41 ng
 RT: 15.55 min Scan# 2323
 Delta R.T. 0.09 min
 Lab File: BF094408.D
 Acq: 13 Apr 2017 23:24

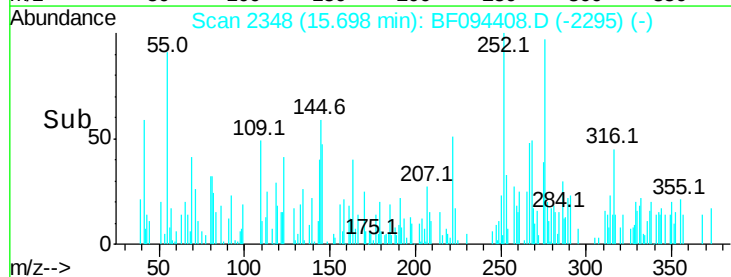
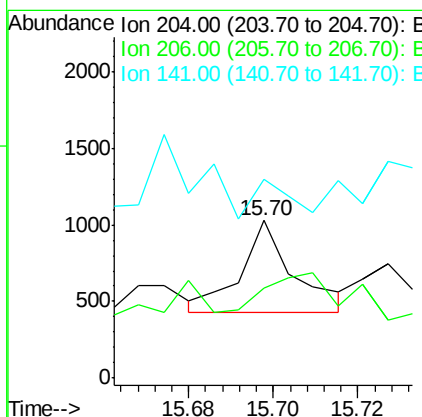
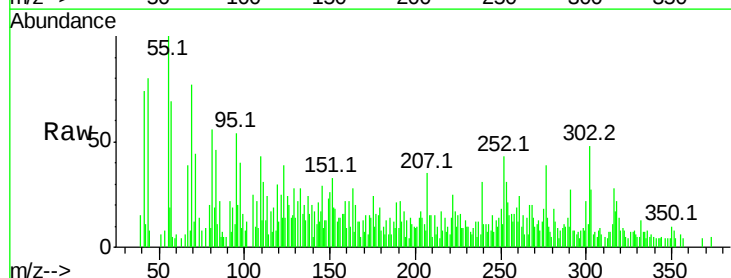
Instrument :
 BNA_F
 ClientSampled :

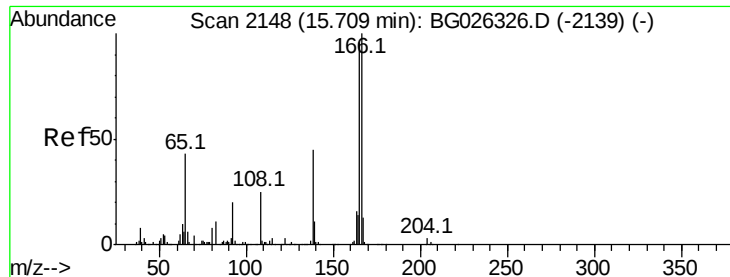
Tot Ion	Ratio	Lower	Upper
149	100		
177	8.6	20.1	30.1#
150	139.0	10.2	15.2#



#60
 4-Chlorophenyl-phenylether
 Concen: 117.51 ng
 RT: 15.70 min Scan# 2348
 Delta R.T. 0.01 min
 Lab File: BF094408.D
 Acq: 13 Apr 2017 23:24

Tgt Ion	Ratio	Lower	Upper
204	100		
206	57.0	30.1	45.1#
141	126.4	50.6	76.0#

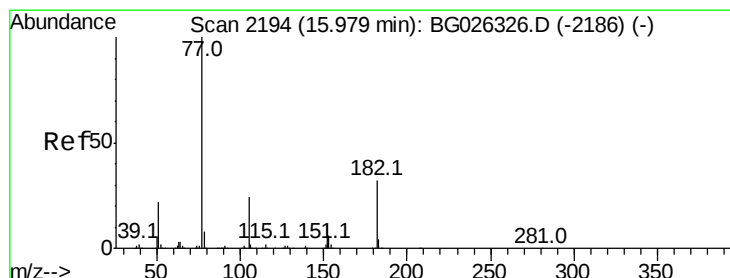
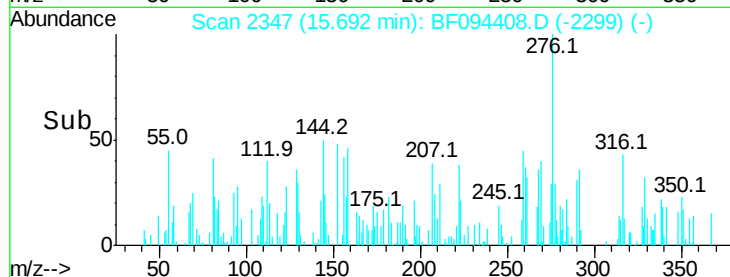
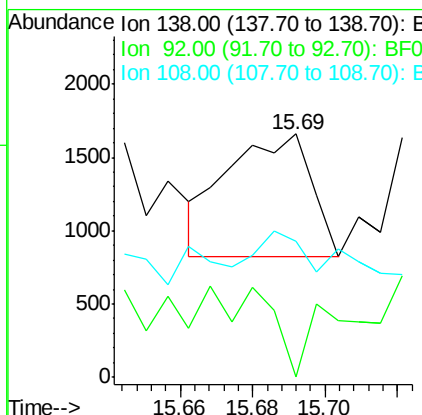
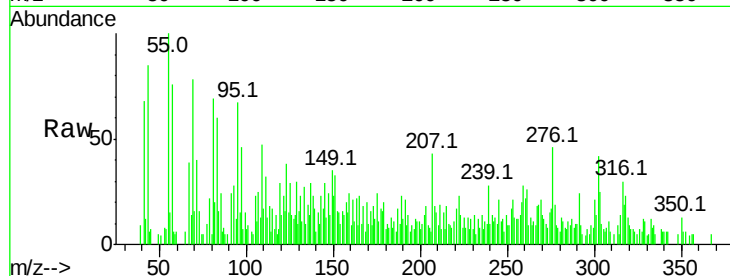




#61
 4-Nitroaniline
 Concen: 569.59 ng
 RT: 15.69 min Scan# 2347
 Delta R.T. -0.02 min
 Lab File: BF094408.D
 Acq: 13 Apr 2017 23:24

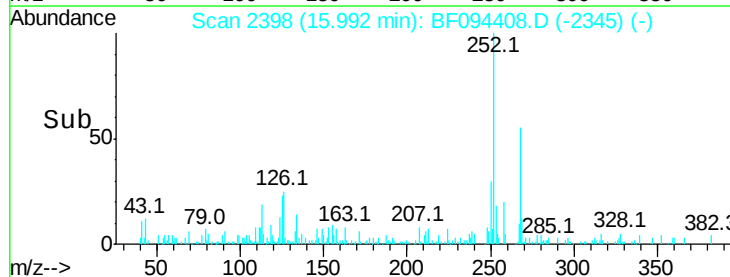
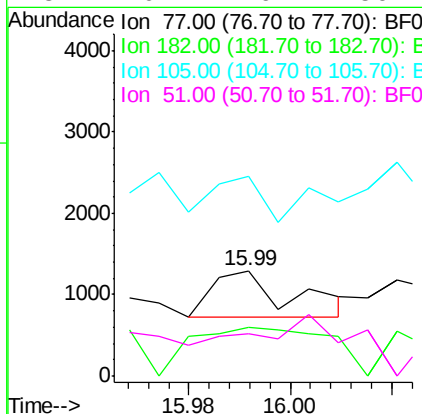
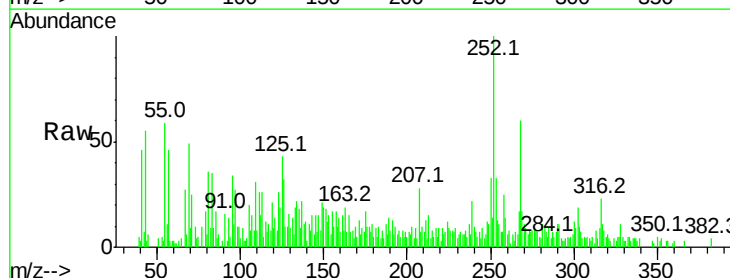
Instrument :
 BNA_F
 ClientSampled :

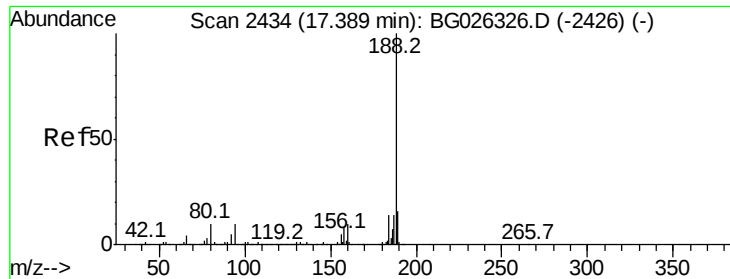
Tot Ion:138 Resp: 1344
 Ion Ratio Lower Upper
 138 100
 92 0.0 44.2 84.2#
 108 55.9 104.8 144.8#



#62
 Azobenzene
 Concen: 85.67 ng
 RT: 15.99 min Scan# 2398
 Delta R.T. 0.01 min
 Lab File: BF094408.D
 Acq: 13 Apr 2017 23:24

Tgt Ion: 77 Resp: 618
 Ion Ratio Lower Upper
 77 100
 182 46.1 4.7 44.7#
 105 189.8 0.0 36.3#
 51 40.4 16.4 56.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.37 min Scan# 2633

Delta R.T. -0.02 min

Lab File: BF094408.D

Acq: 13 Apr 2017 23:24

Instrument :

BNA_F

ClientSampleId :

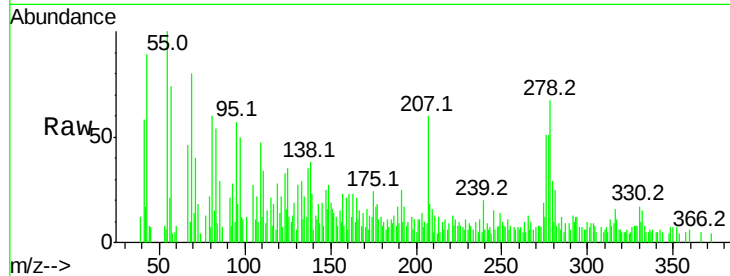
Tot Ion:188 Resp: 264

Ion Ratio Lower Upper

188 100

94 117.1 5.8 8.8#

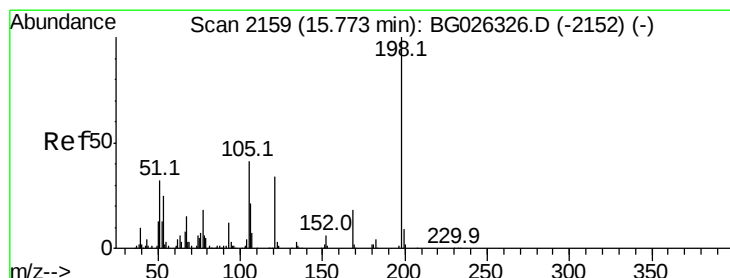
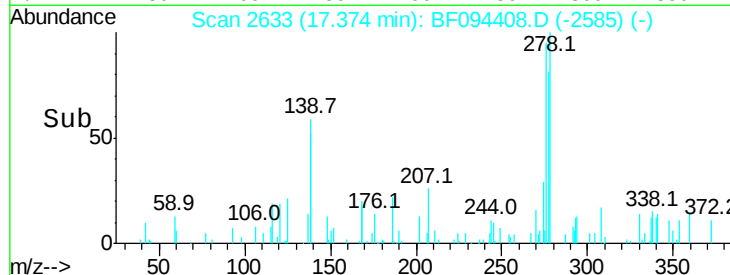
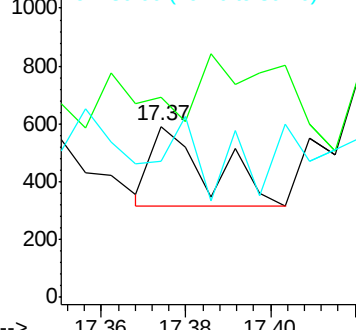
80 79.4 7.5 11.3#



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: 2660.38 ng

RT: 15.73 min Scan# 2353

Delta R.T. -0.05 min

Lab File: BF094408.D

Acq: 13 Apr 2017 23:24

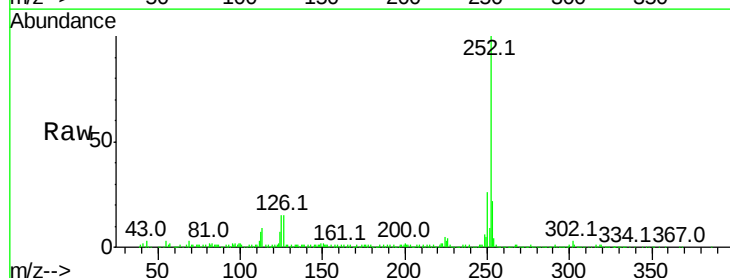
Tgt Ion:198 Resp: 4428

Ion Ratio Lower Upper

198 100

51 24.2 22.6 62.6

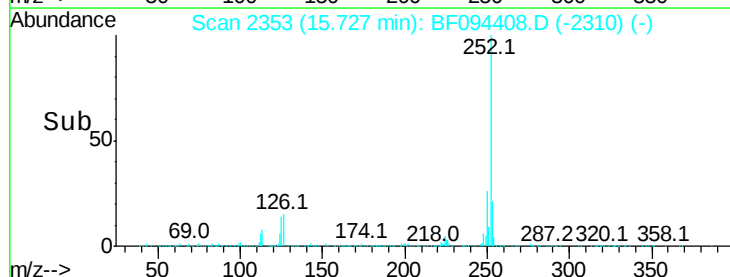
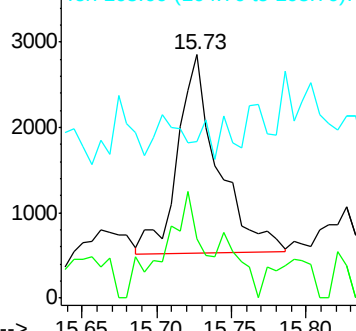
105 64.0 14.4 54.4#

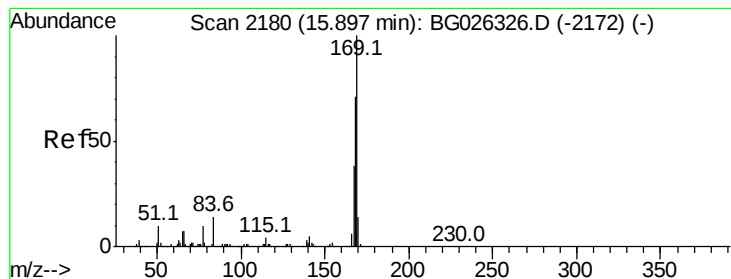


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 73.31 ng

RT: 15.90 min Scan# 2382

Delta R.T. 0.00 min

Lab File: BF094408.D

Acq: 13 Apr 2017 23:24

Instrument :

BNA_F

ClientSampleId :

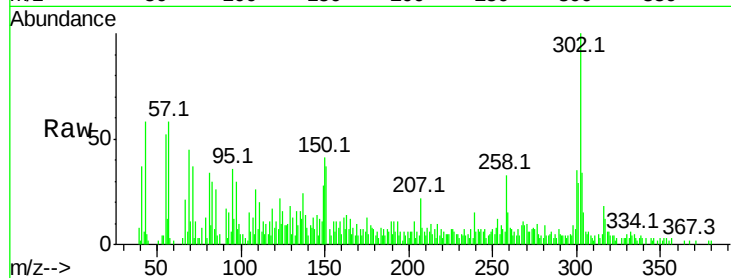
Tot Ion:169 Resp: 568

Ion Ratio Lower Upper

169 100

168 39.0 55.7 83.5#

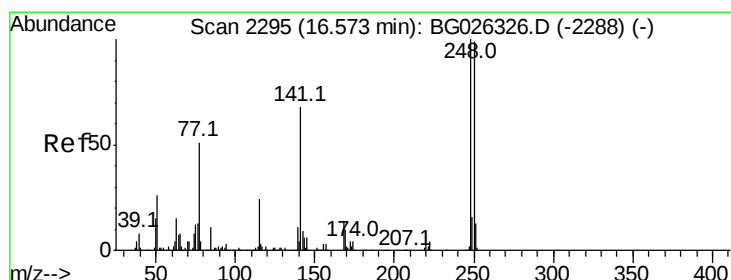
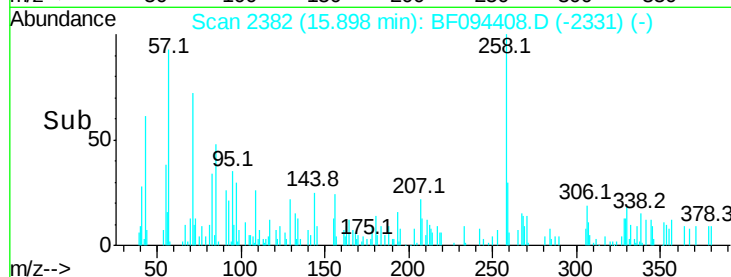
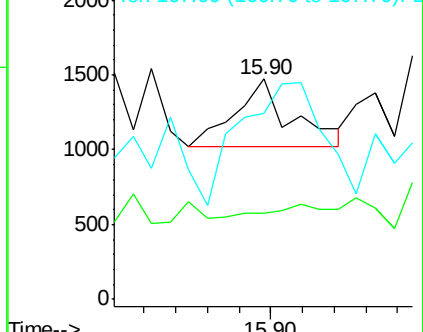
167 84.4 29.8 44.6#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 57.41 ng

RT: 16.54 min Scan# 2491

Delta R.T. -0.03 min

Lab File: BF094408.D

Acq: 13 Apr 2017 23:24

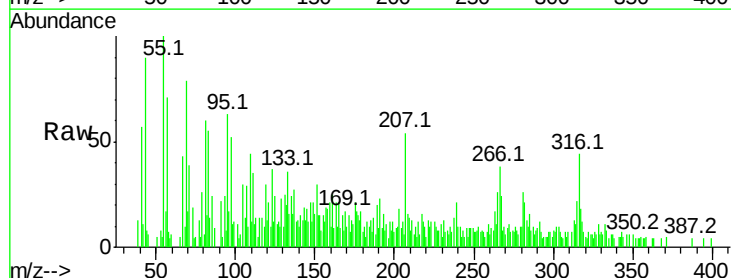
Tgt Ion:248 Resp: 156

Ion Ratio Lower Upper

248 100

250 83.3 75.0 112.6

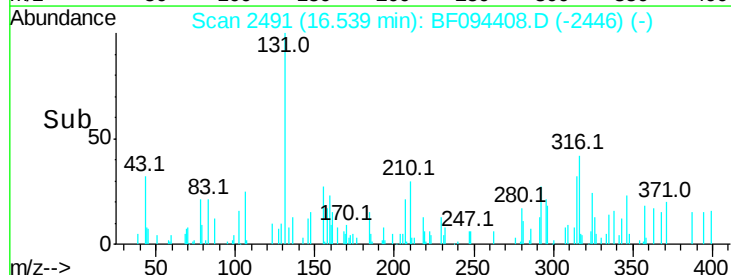
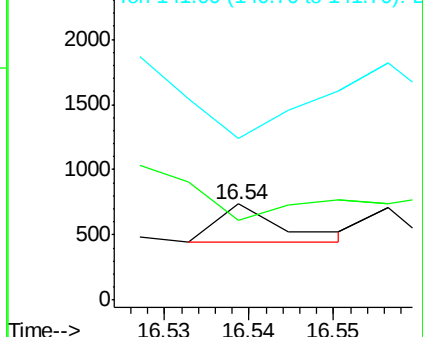
141 168.2 55.2 82.8#

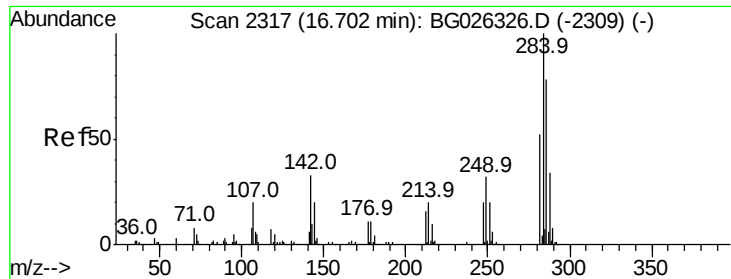


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 87.28 ng

RT: 16.70 min Scan# 2518

Delta R.T. -0.00 min

Lab File: BF094408.D

Acq: 13 Apr 2017 23:24

Instrument :

BNA_F

ClientSampleId :

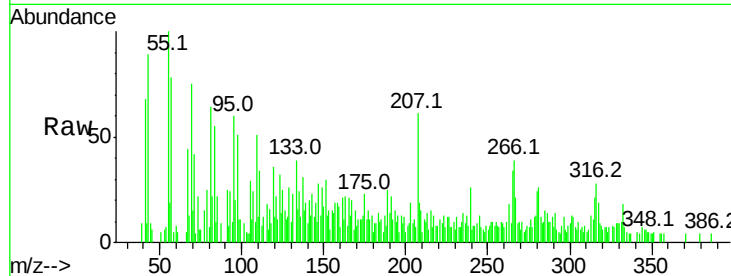
Tot Ion:284 Resp: 253

Ion Ratio Lower Upper

284 100

142 126.7 29.9 44.9#

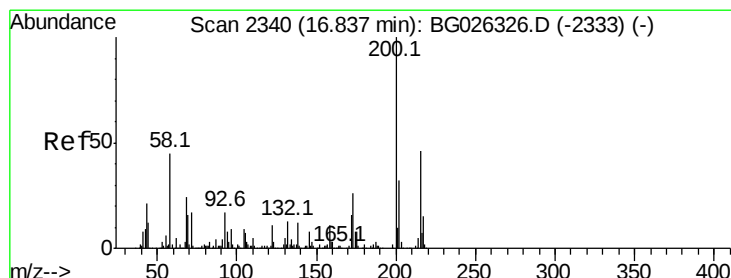
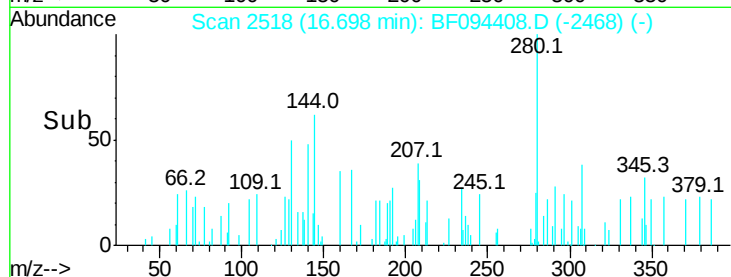
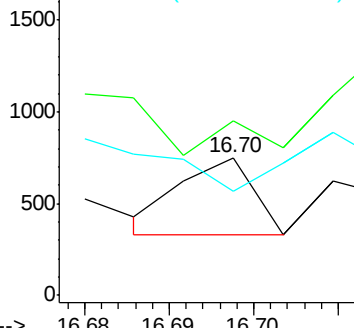
249 75.7 29.2 43.8#



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: 32.39 ng

RT: 16.82 min Scan# 2538

Delta R.T. -0.02 min

Lab File: BF094408.D

Acq: 13 Apr 2017 23:24

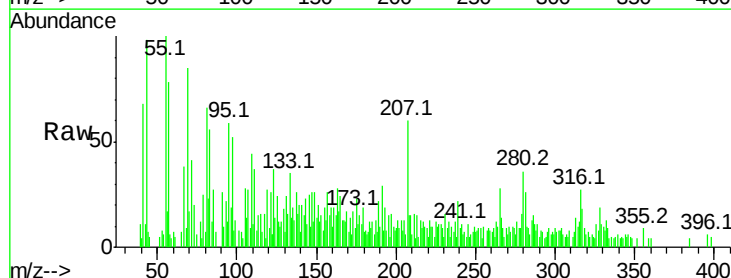
Tgt Ion:200 Resp: 95

Ion Ratio Lower Upper

200 100

173 191.3 3.0 43.0#

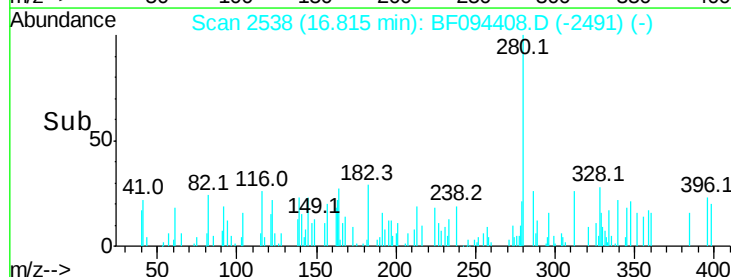
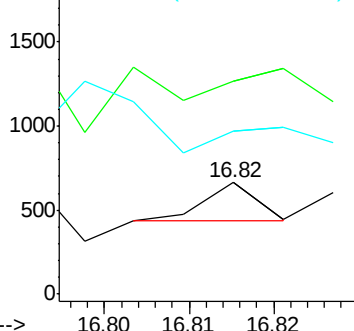
215 146.6 28.4 68.4#

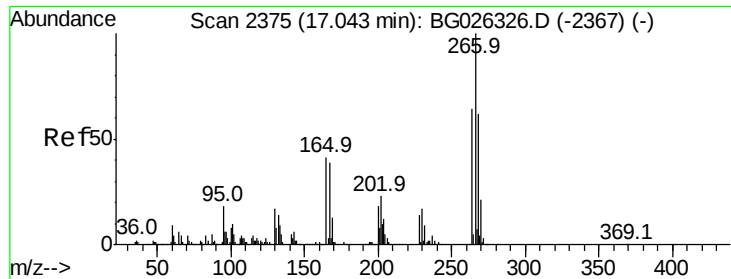


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 842.10 ng

RT: 16.93 min Scan# 2557

Delta R.T. -0.12 min

Lab File: BF094408.D

Acq: 13 Apr 2017 23:24

Instrument :

BNA_F

ClientSampleID :

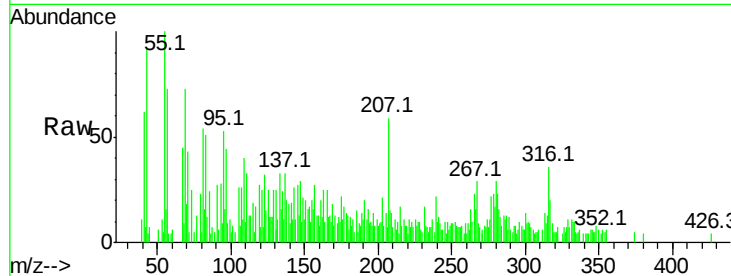
Tot Ion:266 Resp: 1587

Ion Ratio Lower Upper

266 100

268 58.3 48.6 72.8

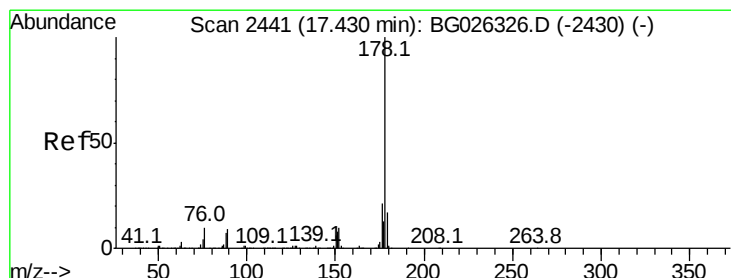
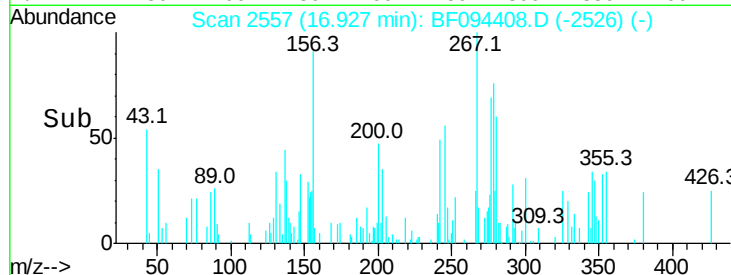
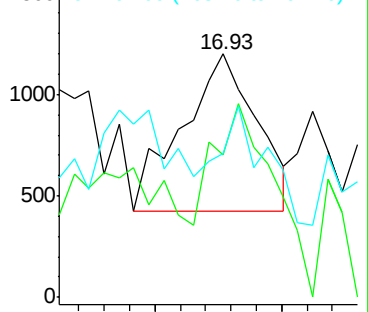
264 59.0 50.1 75.1



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: 45.64 ng

RT: 17.38 min Scan# 2634

Delta R.T. -0.05 min

Lab File: BF094408.D

Acq: 13 Apr 2017 23:24

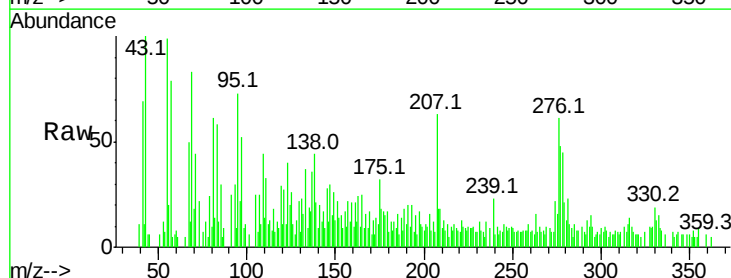
Tgt Ion:178 Resp: 647

Ion Ratio Lower Upper

178 100

176 121.3 17.7 26.5#

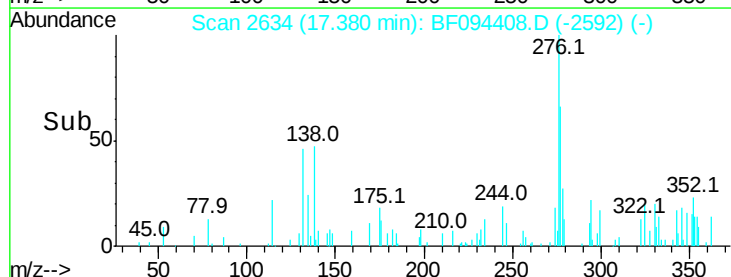
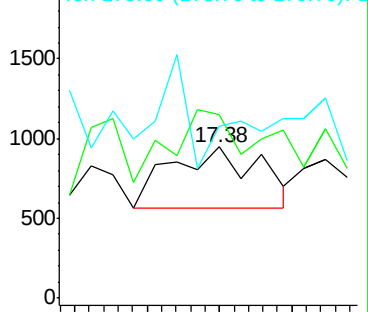
179 114.1 15.0 22.6#

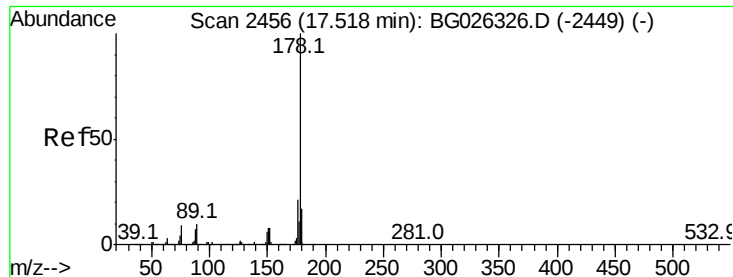


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 30.14 ng

RT: 17.49 min Scan# 2652

Delta R.T. -0.03 min

Lab File: BF094408.D

Acq: 13 Apr 2017 23:24

Instrument :

BNA_F

ClientSampleId :

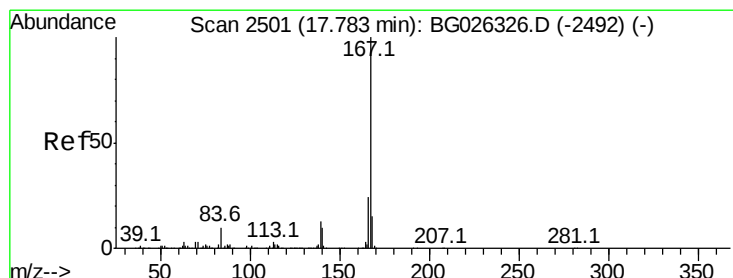
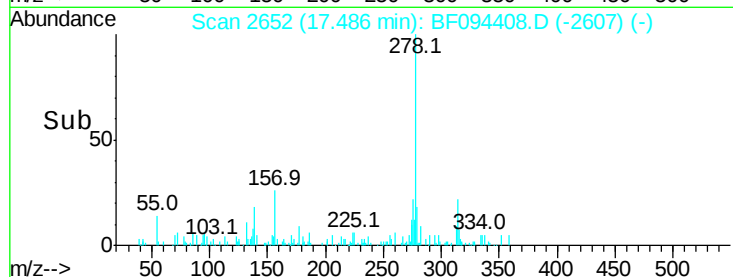
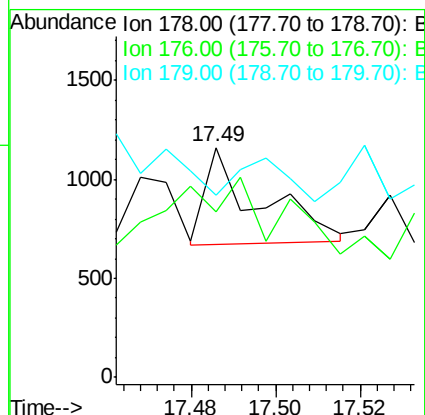
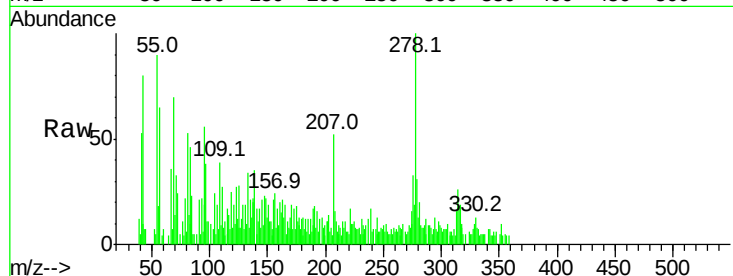
Tot Ion:178 Resp: 436

Ion Ratio Lower Upper

178 100

176 71.9 16.4 24.6#

179 79.1 13.8 20.8#



#72

Carbazole

Concen: 13.70 ng

RT: 17.76 min Scan# 2699

Delta R.T. -0.02 min

Lab File: BF094408.D

Acq: 13 Apr 2017 23:24

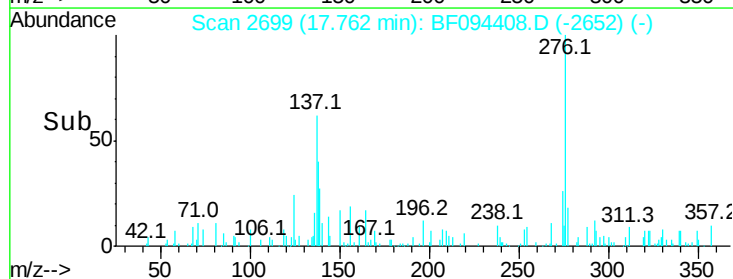
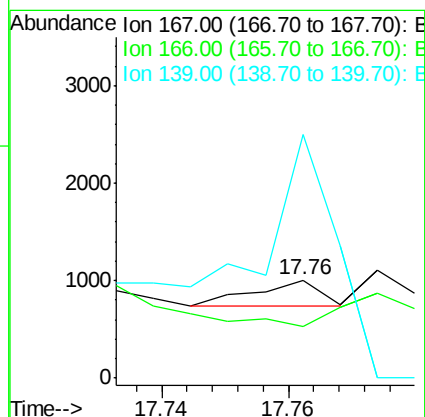
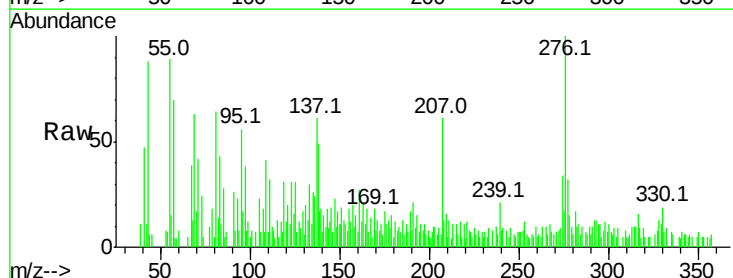
Tgt Ion:167 Resp: 204

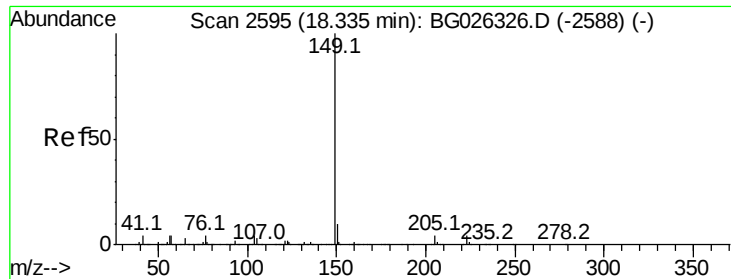
Ion Ratio Lower Upper

167 100

166 52.4 20.2 30.2#

139 248.5 12.8 19.2#

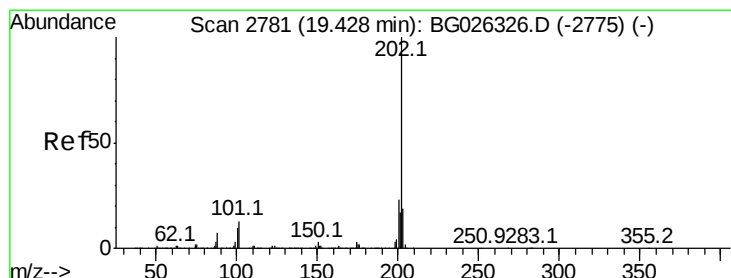
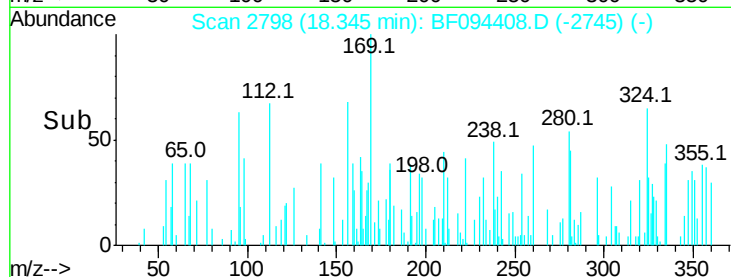
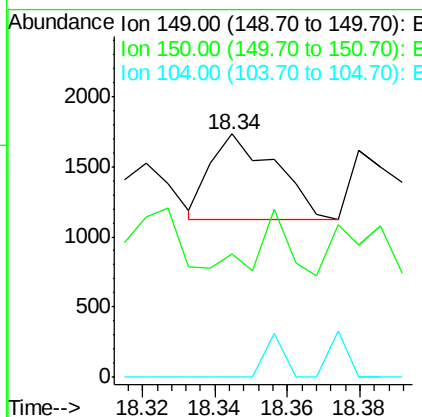
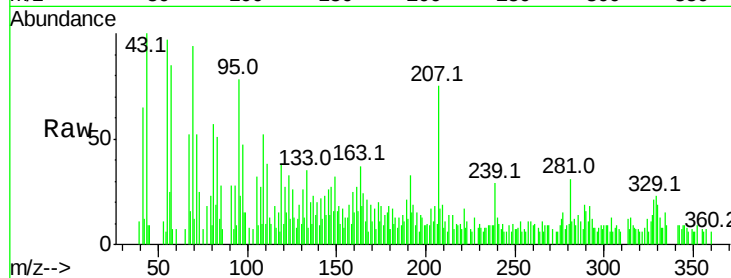




#73
Di-n-butylphthalate
Concen: 49.67 ng
RT: 18.34 min Scan# 2798
Delta R.T. 0.01 min
Lab File: BF094408.D
Acq: 13 Apr 2017 23:24

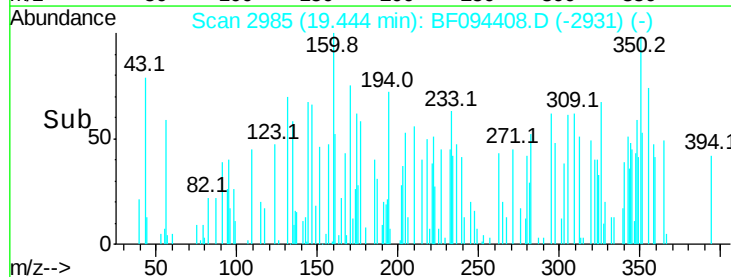
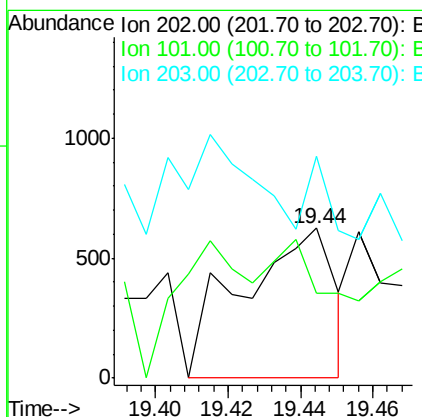
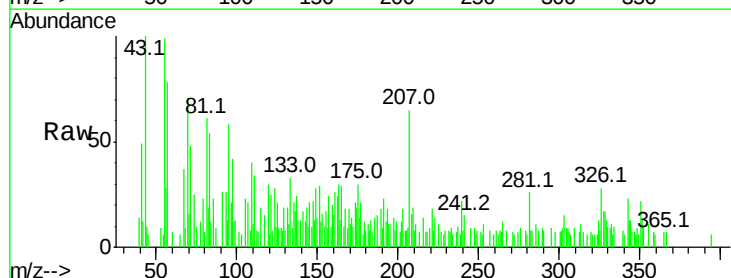
Instrument :
BNA_F
ClientSampleId :

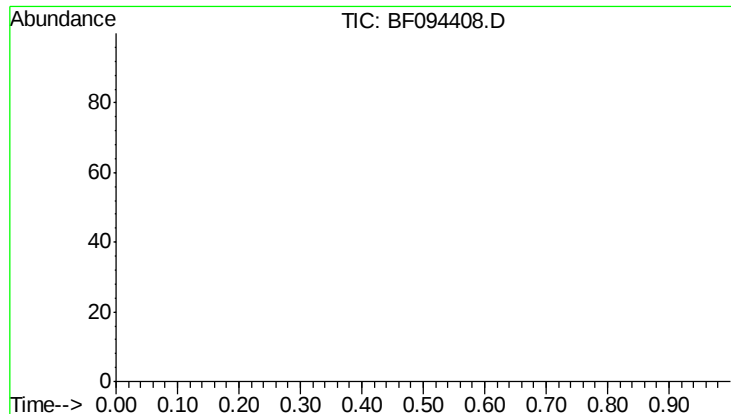
Tot Ion:149 Resp: 760
Ion Ratio Lower Upper
149 100
150 50.4 9.1 13.7#
104 0.0 6.7 10.1#



#74
Fluoranthene
Concen: 66.28 ng
RT: 19.44 min Scan# 2985
Delta R.T. 0.02 min
Lab File: BF094408.D
Acq: 13 Apr 2017 23:24

Tgt Ion:202 Resp: 1105
Ion Ratio Lower Upper
202 100
101 56.9 0.0 30.1#
203 147.9 1.3 41.3#

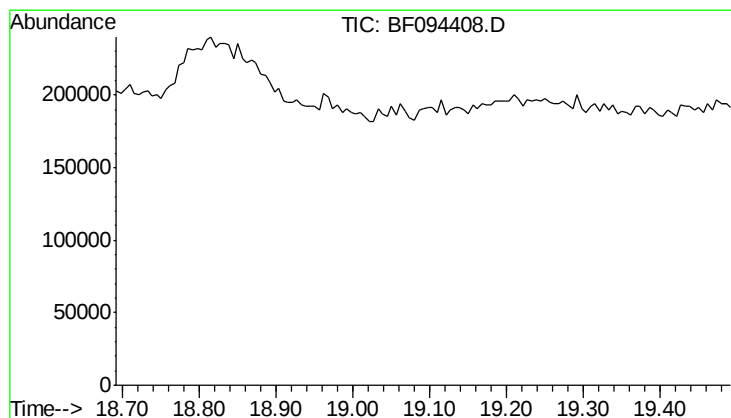
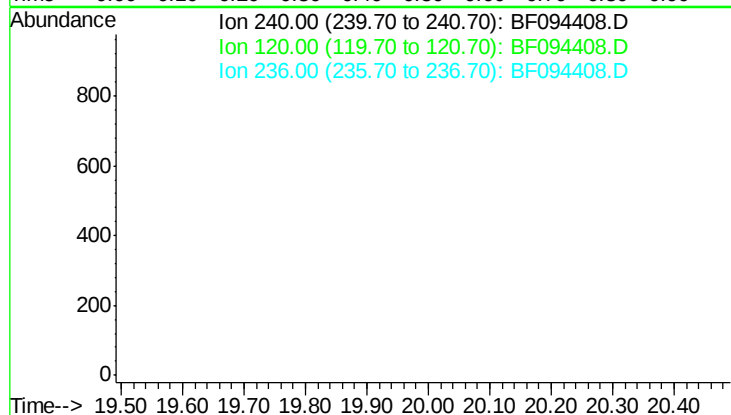




#75
 Chrvsene-d12
 Concen: 0.00 ng
 Expected RT: 21.64 min
 Lab File: BF094408.D
 Acq: 13 Apr 2017 23:24

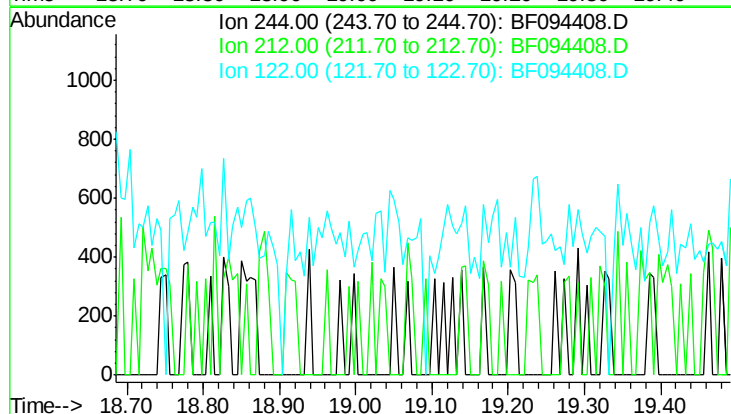
Instrument :
 BNA_F
 ClientSampleId :

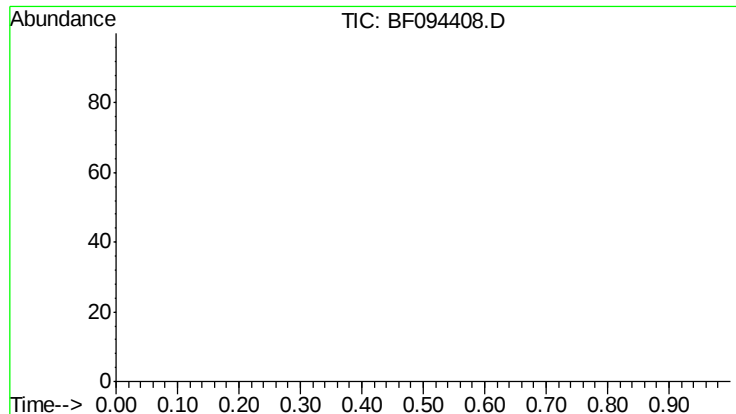
Tot Ion: 240
 Sig Exp Ratio
 240 100
 120 7.1
 236 27.8



#78
 Terphenyl-d14
 Concen: 0.00 ng
 Expected RT: 19.99 min
 Lab File: BF094408.D
 Acq: 13 Apr 2017 23:24

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





#86
Pervlene-d12
Concen: 0.00 ng
Expected RT: 24.82 min

Lab File: BF094408.D
Acq: 13 Apr 2017 23:24

Instrument :
BNA_F
ClientSampleId :

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

