

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF08131.D
 Acq On : 30 Aug 2017 00:46
 Operator : SJ/JU
 Sample : I4979-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 30 03:04:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	131369	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	475786	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	209080	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	318849	20.00	ng	0.00
75) Chrysene-d12	13.89	240	271735	20.00	ng	-0.01
86) Perylene-d12	15.31	264	213687	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	933931	108.14	ng	-0.01
7) Phenol-d6	6.38	99	1245384	106.13	ng	0.00
23) Nitrobenzene-d5	7.30	82	696397	79.51	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	152887	84.28	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	877829	61.69	ng	-0.01
78) Terphenyl-d14	12.84	244	553528	42.48	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.39	94	62934	4.586	ng	93
18) Hexachloroethane	7.27	117	34954	8.947	ng	# 1
20) 3+4-Methylphenols	7.15	107	40779	4.160	ng	# 64
25) Isophorone	7.30	82	673632	36.989	ng	# 67
26) 2-Nitrophenol	7.64	139	629	5.416	ng	# 1
27) 2,4-Dimethylphenol	7.68	122	36133	4.757	ng	# 57
31) Naphthalene	8.06	128	3968330	160.658	ng	98
32) Benzoic acid	7.81	122	28436	10.857	ng	# 28
33) 4-Chloroaniline	8.06	127	563823	54.125	ng	# 34
37) 2-Methylnaphthalene	8.75	142	2194966	144.943	ng	98
45) 1,1'-Biphenyl	9.20	154	563307	29.545	ng	96
47) 2-Nitroaniline	9.29	65	9751	2.065	ng	# 35
48) Acenaphthylene	9.63	152	45857	2.073	ng	# 30
49) Dimethylphthalate	9.49	163	269394	17.627	ng	99
50) 2,6-Dinitrotoluene	9.47	165	11066	3.627	ng	# 1
51) Acenaphthene	9.82	154	958108	68.670	ng	98
53) 2,4-Dinitrophenol	9.83	184	150	10.232	ng	# 1
54) Dibenzofuran	9.99	168	1085103	58.029	ng	97
55) 4-Nitrophenol	9.88	139	18311	5.832	ng	80
56) 2,4-Dinitrotoluene	9.97	165	8551	2.234	ng	# 1
57) Fluorene	10.33	166	753308	52.106	ng	96
61) 4-Nitroaniline	10.33	138	8618	2.304	ng	# 46
64) 4,6-Dinitro-2-methylphenol	10.39	198	1818	9.321	ng	# 1
65) n-Nitrosodiphenylamine	10.43	169	54358	5.006	ng	# 58
66) 4-Bromophenyl-phenylether	10.56	248	9914	2.994	ng	# 1
70) Phenanthrene	11.29	178	1281150	75.404	ng	99
71) Anthracene	11.33	178	310733	18.031	ng	99
72) Carbazole	11.49	167	37665	2.303	ng	# 88
74) Fluoranthene	12.47	202	356529	20.104	ng	99
77) Pyrene	12.69	202	283051	12.736	ng	97
80) Benzo(a)anthracene	13.88	228	46163	2.834	ng	# 93
82) Chrysene	13.92	228	37502	2.315	ng	# 94
87) Benzo(b)fluoranthene	14.90	252	32157	2.387	ng	# 89
88) Benzo(k)fluoranthene	14.90	252	32157	2.541	ng	# 93

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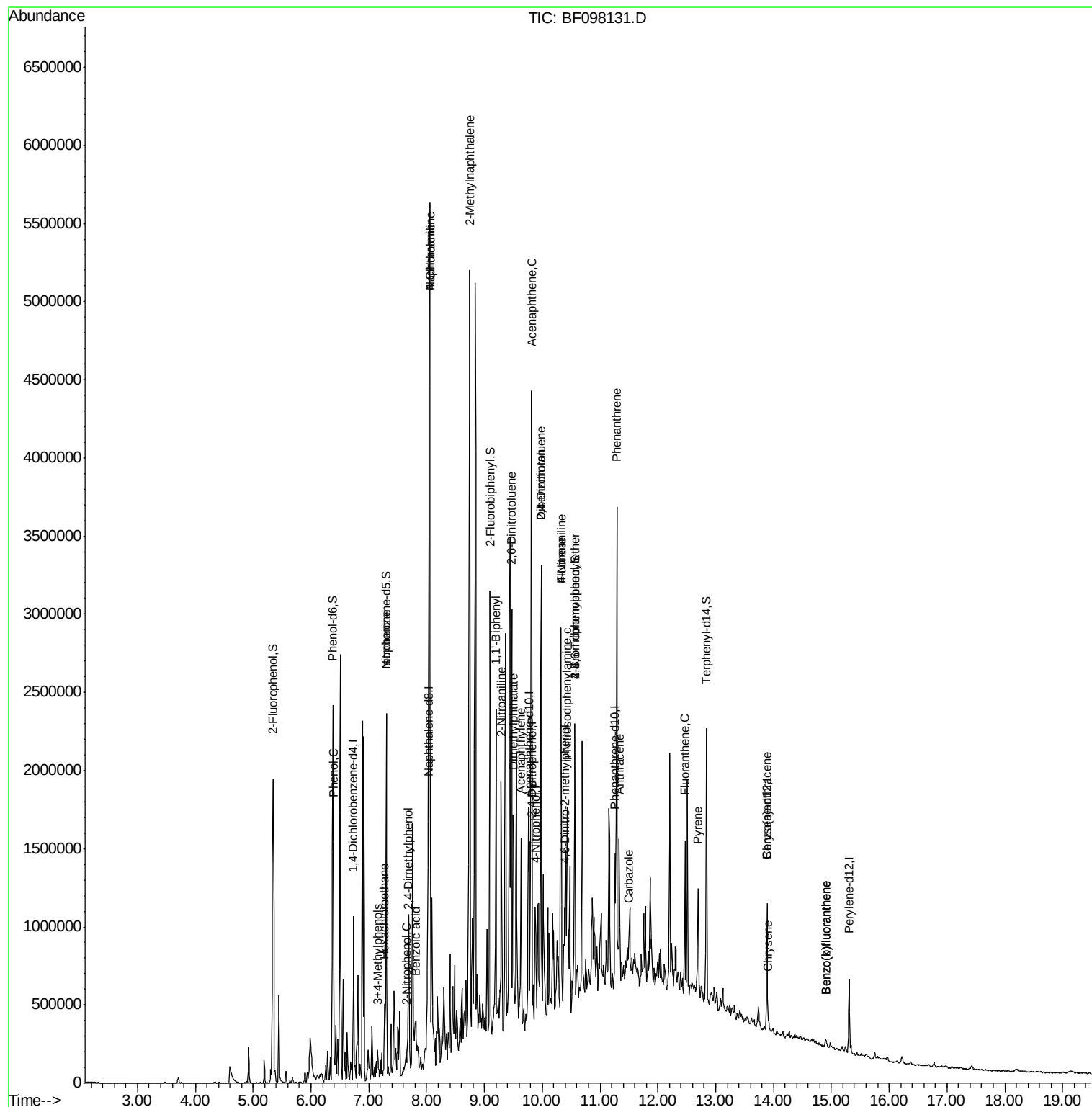
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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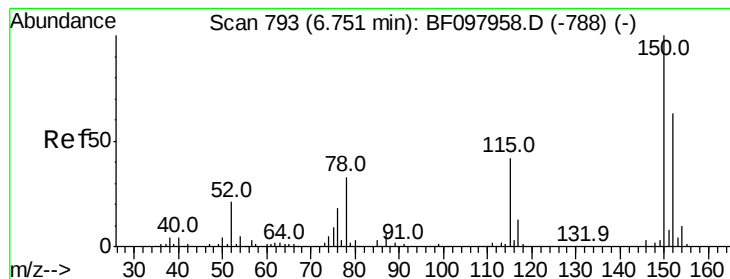
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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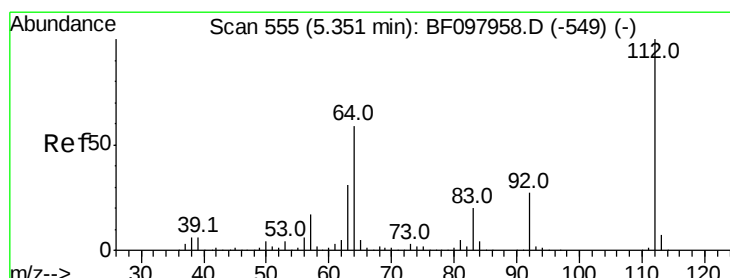
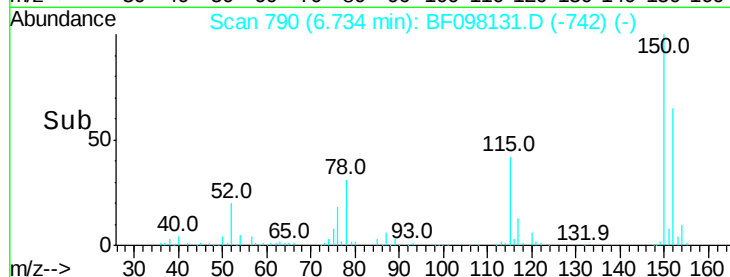
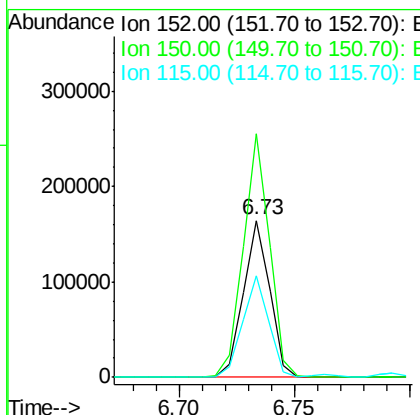
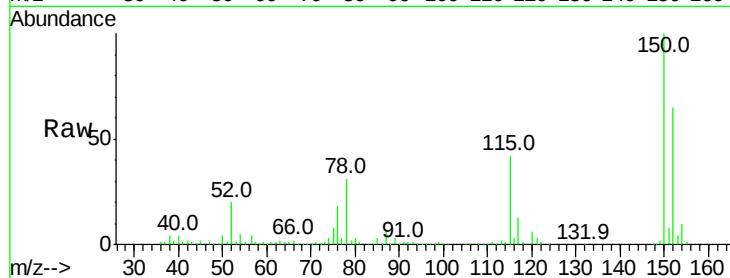


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 790
 Delta R.T. -0.02 min
 Lab File: BF098131.D
 Acq: 30 Aug 2017 00:46

Instrument :
 BNA_F
 ClientSampleId :

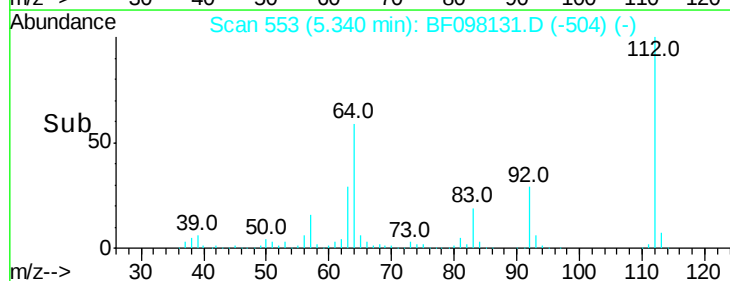
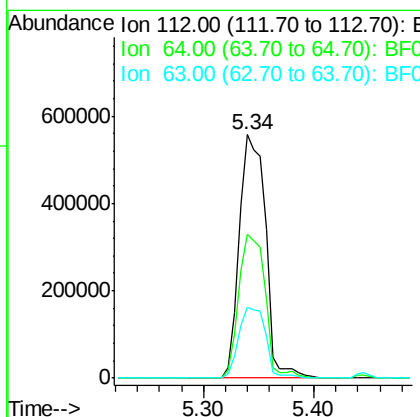
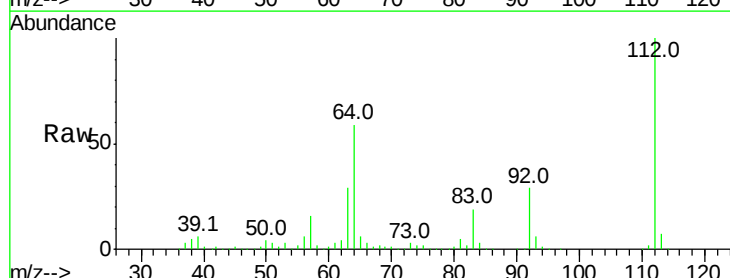
Tot Ion:152 Resp: 131369
 Ion Ratio Lower Upper
 152 100
 150 155.0 126.2 189.2
 115 64.5 52.2 78.2

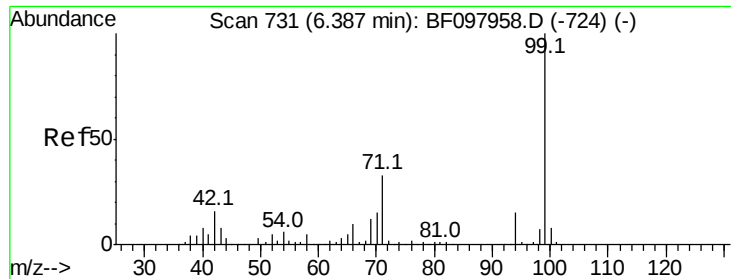


#5

2-Fluorophenol
 Concen: 108.136 ng
 RT: 5.34 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF098131.D
 Acq: 30 Aug 2017 00:46

Tgt Ion:112 Resp: 933931
 Ion Ratio Lower Upper
 112 100
 64 59.2 46.0 69.0
 63 29.3 23.4 35.0





#7

Phenol-d6

Concen: 106.129 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF098131.D

Acq: 30 Aug 2017 00:46

Instrument :

BNA_F

ClientSampleId :

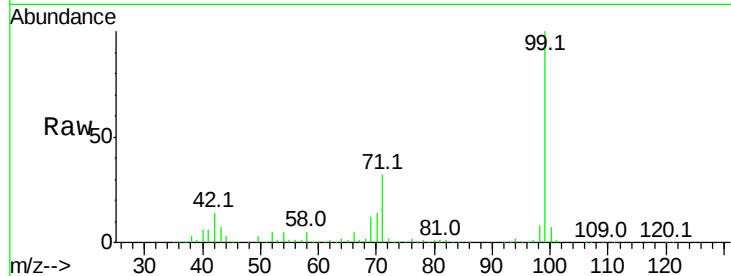
Tot Ion: 99 Resp: 1245384

Ion Ratio Lower Upper

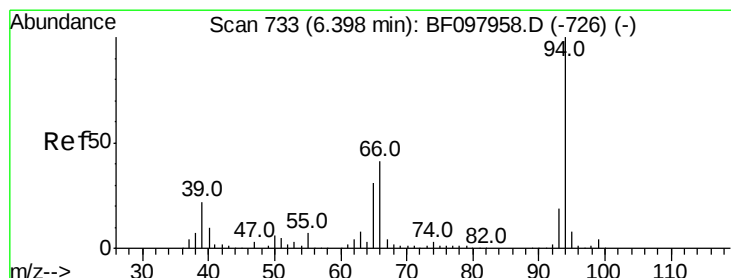
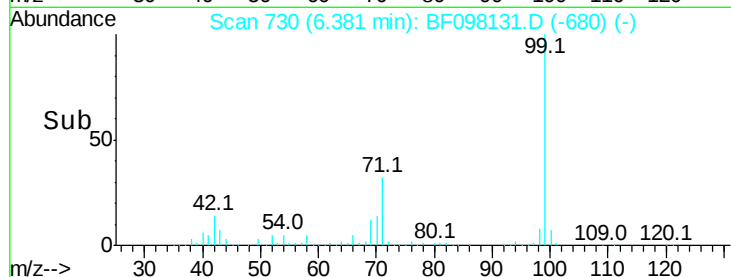
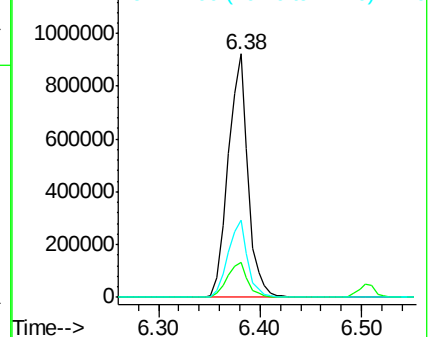
99 100

42 14.3 13.5 20.3

71 31.8 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 4.586 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF098131.D

Acq: 30 Aug 2017 00:46

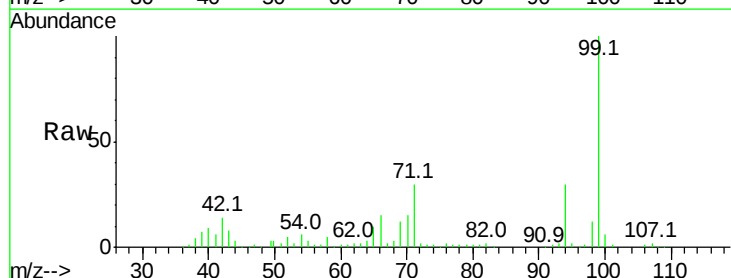
Tgt Ion: 94 Resp: 62934

Ion Ratio Lower Upper

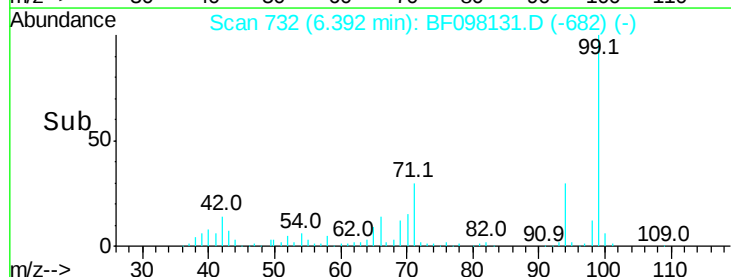
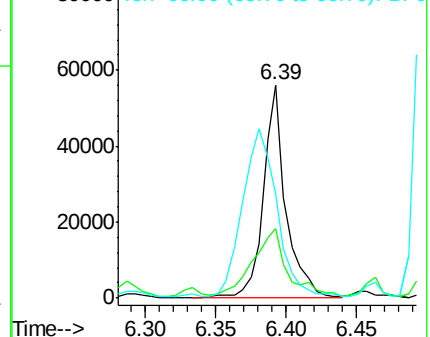
94 100

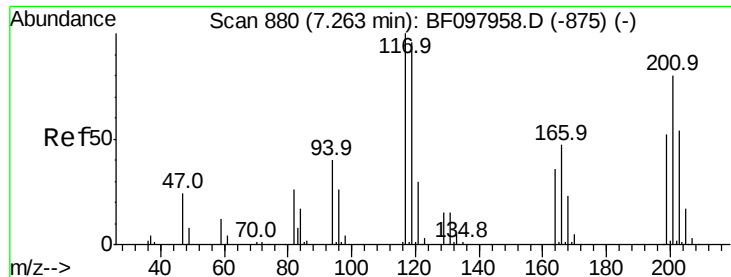
65 32.9 9.9 49.9

66 48.7 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

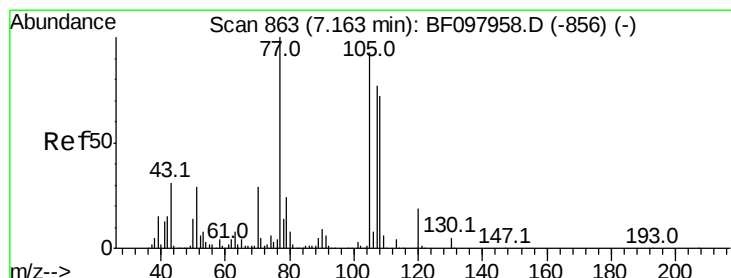
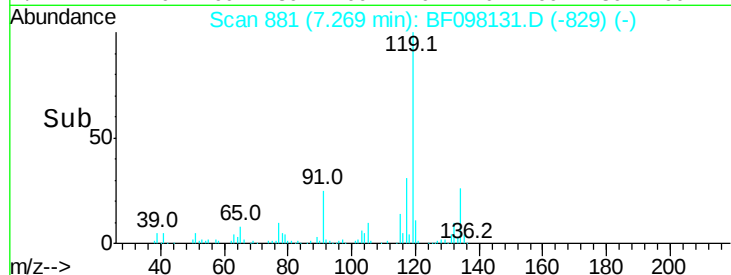
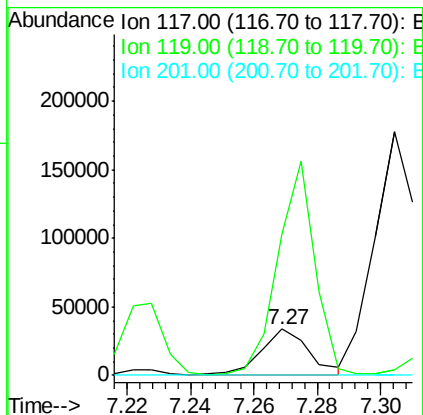
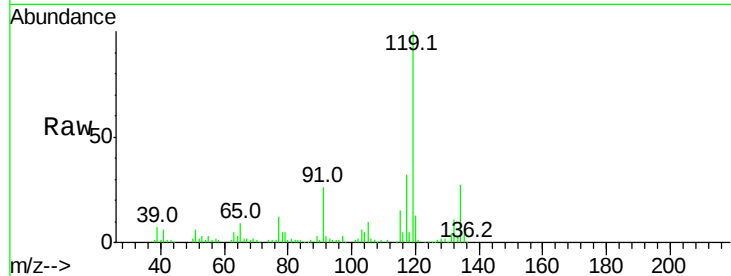




#18
Hexachloroethane
Concen: 8.947 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.01 min
Lab File: BF098131.D
Acq: 30 Aug 2017 00:46

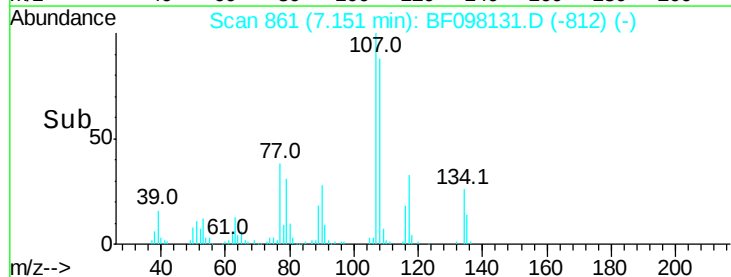
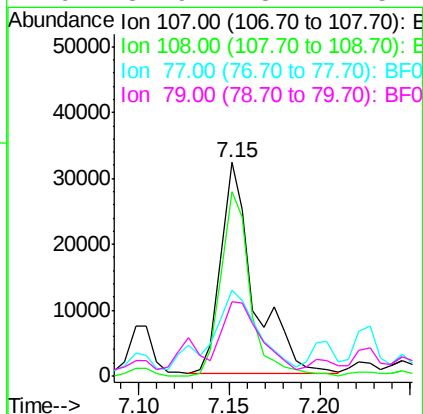
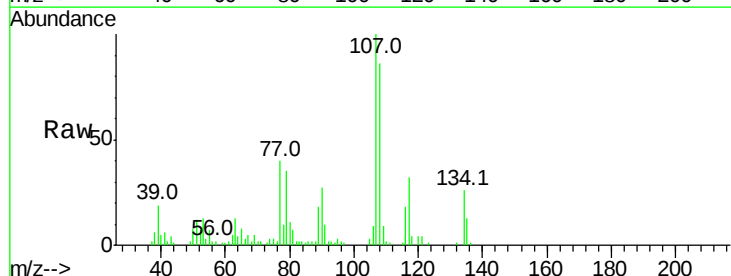
Instrument :
BNA_F
ClientSampled :

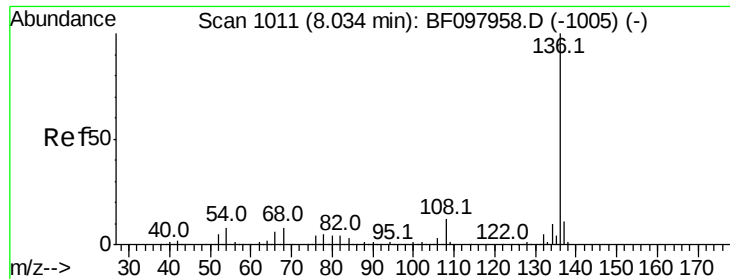
Tot Ion:117 Resp: 34954
Ion Ratio Lower Upper
117 100
119 308.5 77.4 116.0#
201 0.0 94.6 141.8#



#20
3+4-Methylphenols
Concen: 4.160 ng
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BF098131.D
Acq: 30 Aug 2017 00:46

Tgt Ion:107 Resp: 40779
Ion Ratio Lower Upper
107 100
108 86.3 71.0 111.0
77 39.9 90.5 130.5#
79 34.9 8.4 48.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF098131.D

Acq: 30 Aug 2017 00:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 475786

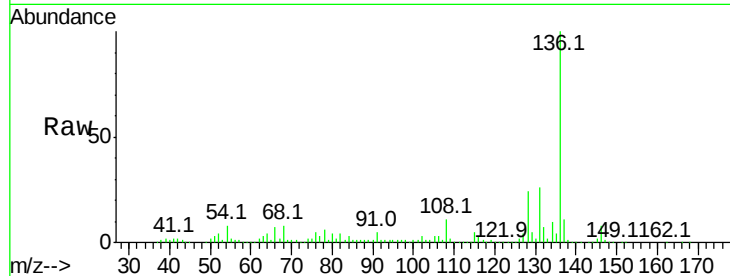
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 8.0 4.9 7.3#

68 7.8 4.1 6.1#

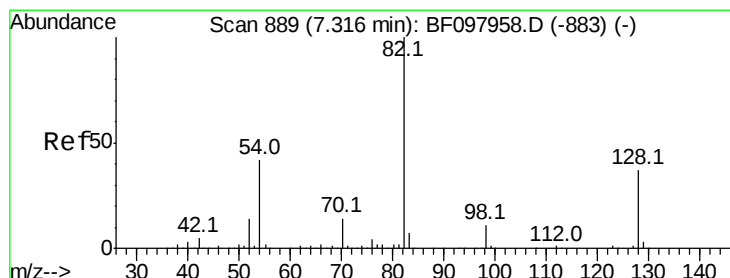
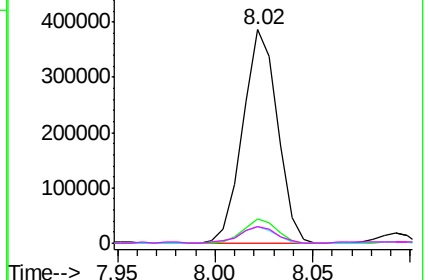
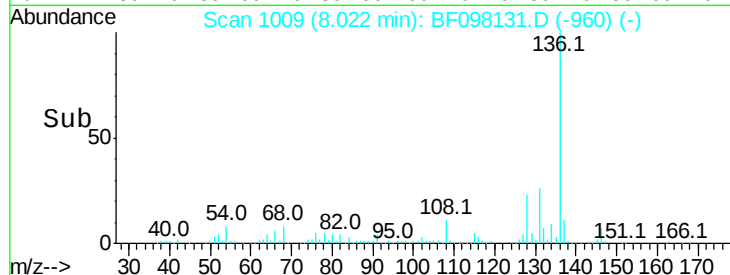


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 79.514 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.02 min

Lab File: BF098131.D

Acq: 30 Aug 2017 00:46

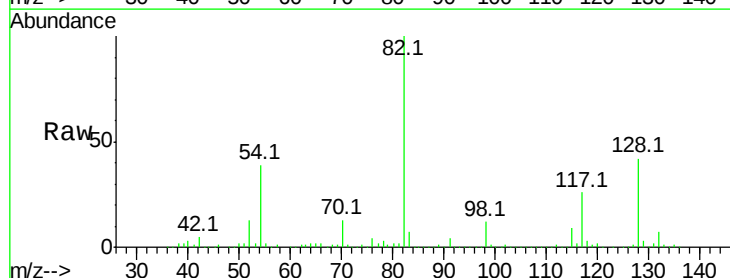
Tgt Ion: 82 Resp: 696397

Ion Ratio Lower Upper

82 100

128 42.0 34.0 51.0

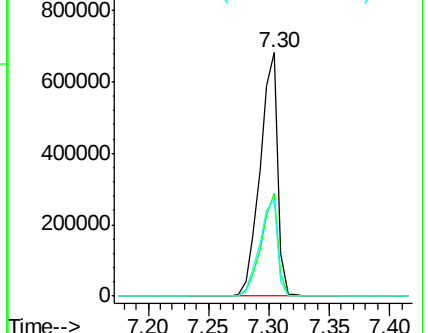
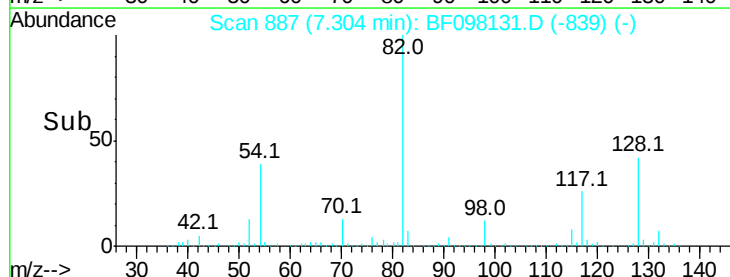
54 39.4 42.2 63.2#

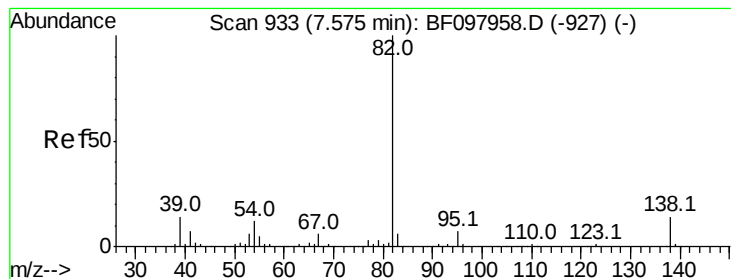


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 36.989 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.28 min

Lab File: BF098131.D

Acq: 30 Aug 2017 00:46

Instrument :

BNA_F

ClientSampleId :

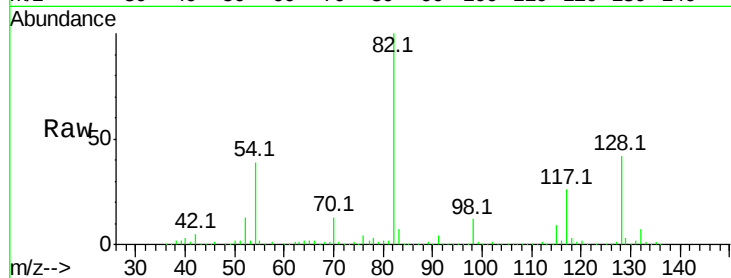
Tot Ion: 82 Resp: 673632

Ion Ratio Lower Upper

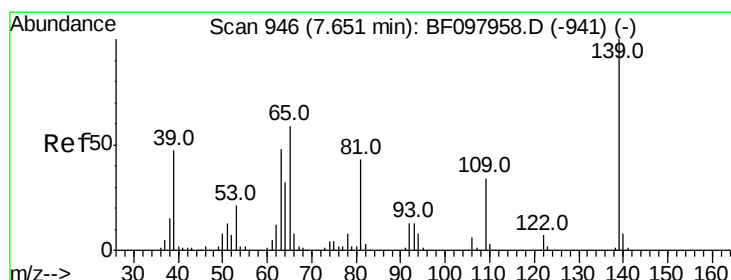
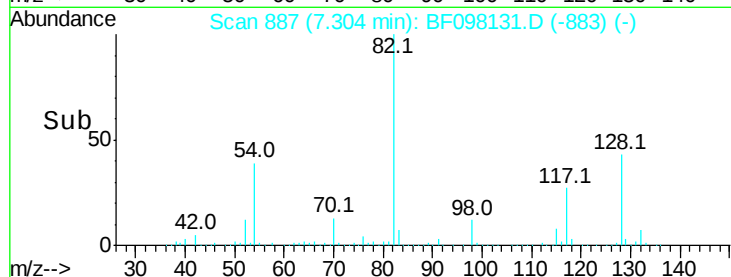
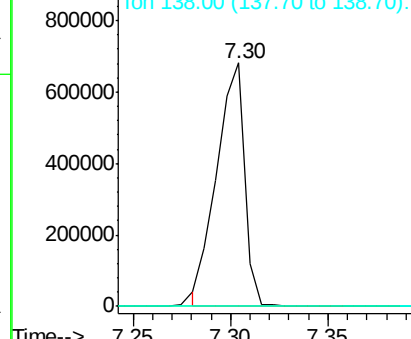
82 100

95 0.2 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 5.416 ng

RT: 7.64 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF098131.D

Acq: 30 Aug 2017 00:46

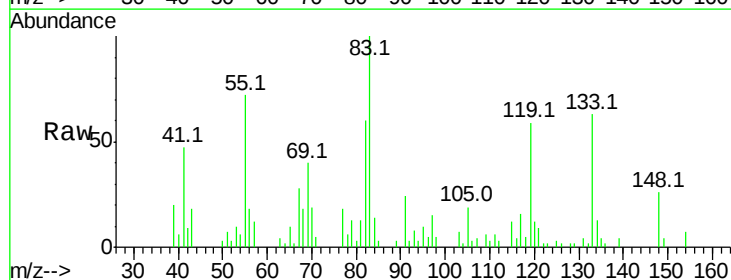
Tgt Ion: 139 Resp: 629

Ion Ratio Lower Upper

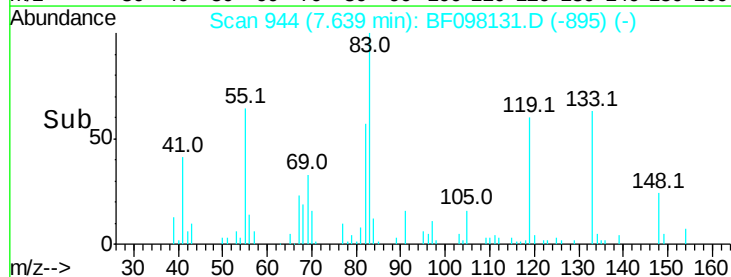
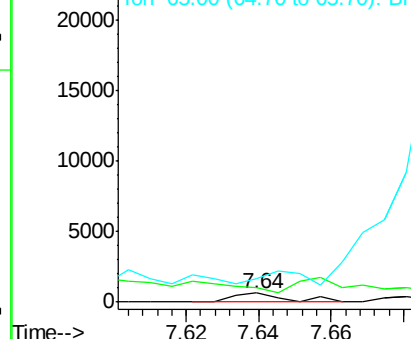
139 100

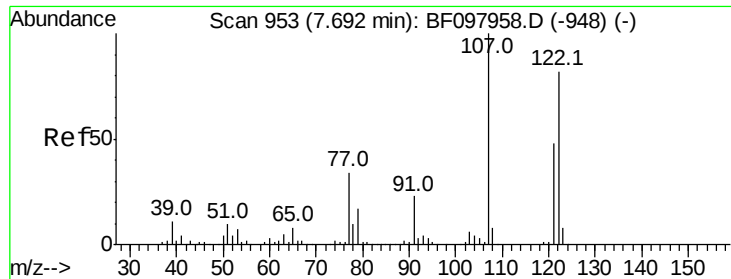
109 166.5 21.0 31.6#

65 273.7 33.0 49.6#



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

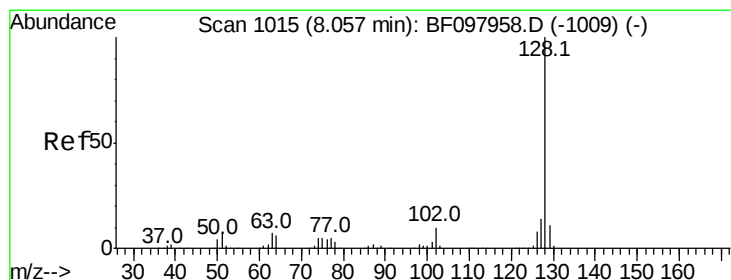
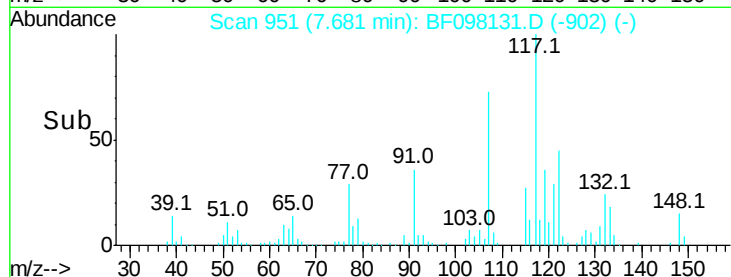
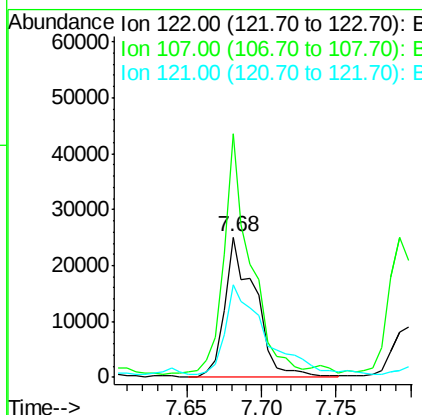
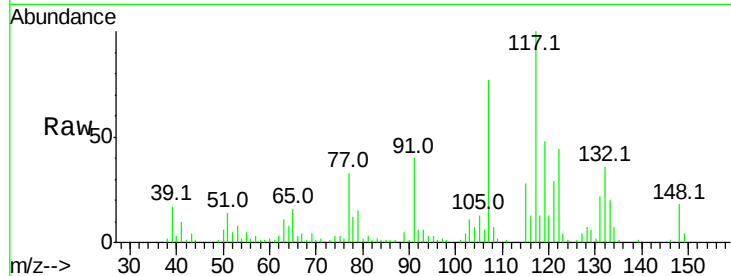




#27
2,4-Dimethylphenol
Concen: 4.757 ng
RT: 7.68 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF098131.D
Acq: 30 Aug 2017 00:46

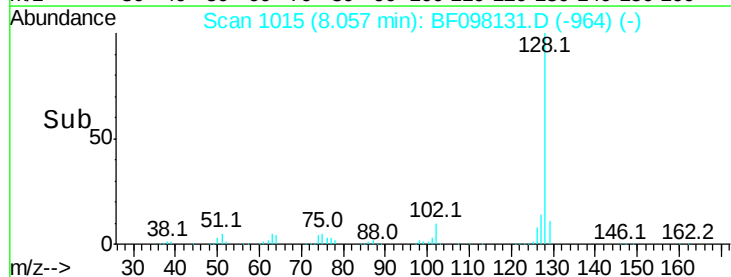
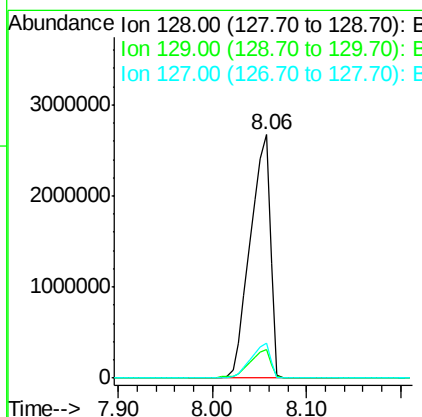
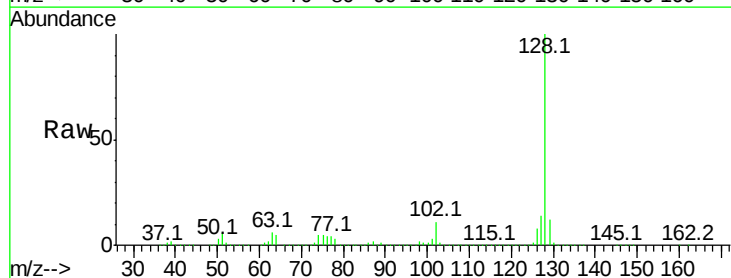
Instrument :
BNA_F
ClientSampled :

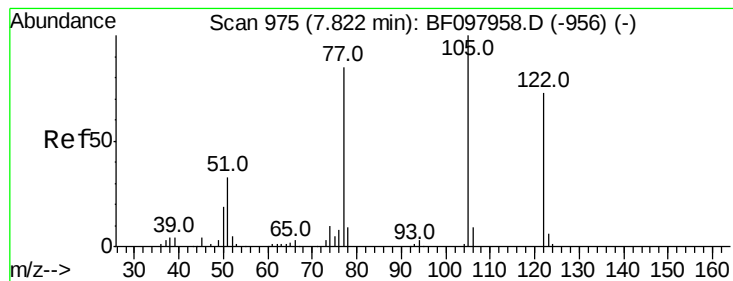
Tot Ion:122 Resp: 36133
Ion Ratio Lower Upper
122 100
107 173.9 89.2 133.8#
121 66.4 45.2 67.8



#31
Naphthalene
Concen: 160.658 ng
RT: 8.06 min Scan# 1015
Delta R.T. 0.00 min
Lab File: BF098131.D
Acq: 30 Aug 2017 00:46

Tgt Ion:128 Resp: 3968330
Ion Ratio Lower Upper
128 100
129 11.7 9.0 13.6
127 14.5 10.8 16.2





#32

Benzoic acid

Concen: 10.857 ng

RT: 7.81 min Scan# 973

Delta R.T. -0.02 min

Lab File: BF098131.D

Acq: 30 Aug 2017 00:46

Instrument :

BNA_F

ClientSampleId :

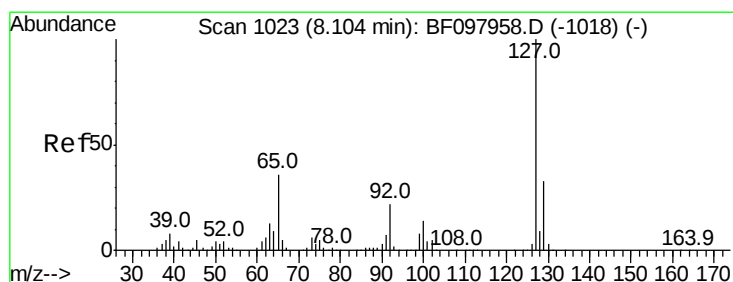
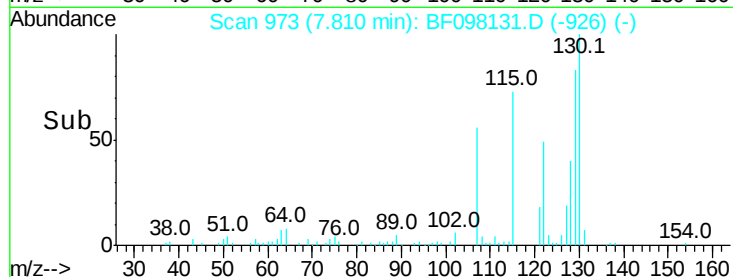
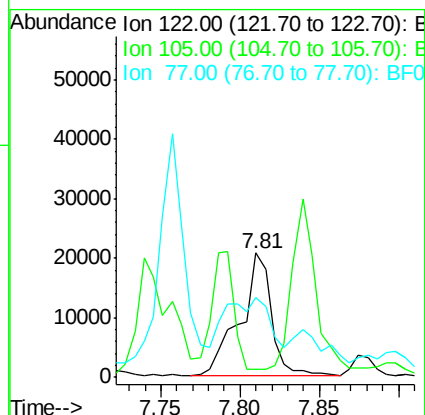
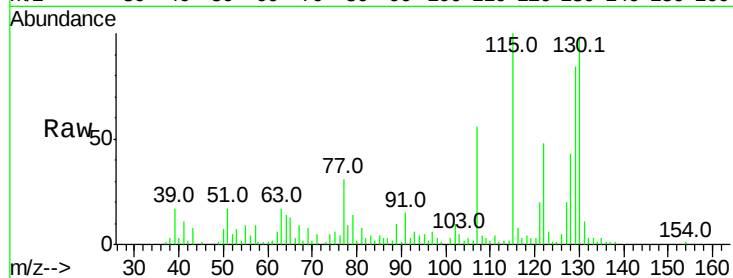
Tot Ion:122 Resp: 28436

Ion Ratio Lower Upper

122 100

105 6.5 103.3 143.3#

77 64.8 73.7 113.7#



#33

4-Chloroaniline

Concen: 54.125 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.05 min

Lab File: BF098131.D

Acq: 30 Aug 2017 00:46

Tgt Ion:127 Resp: 563823

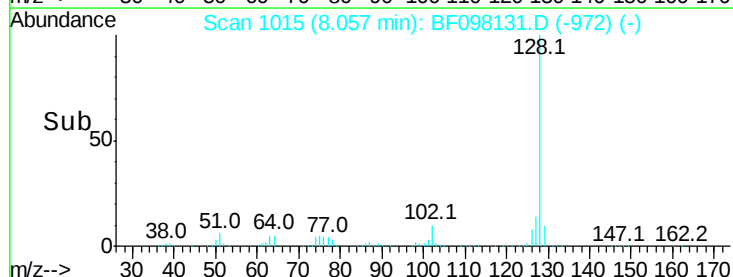
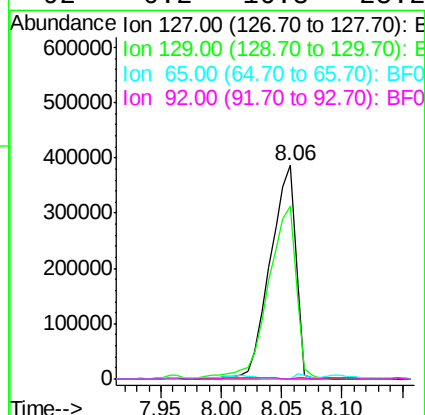
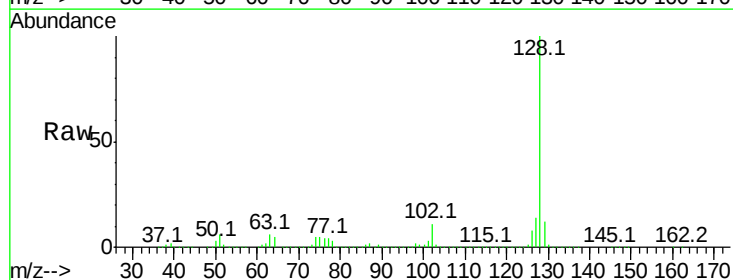
Ion Ratio Lower Upper

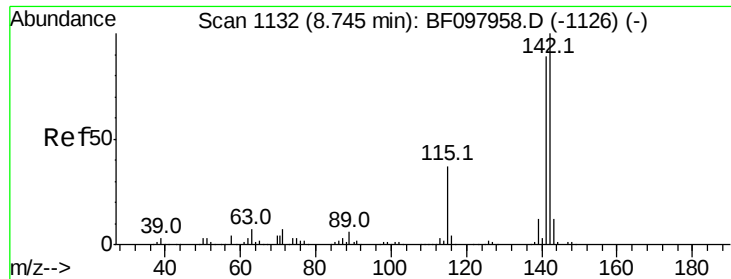
127 100

129 81.1 26.2 39.2#

65 0.0 27.8 41.8#

92 0.2 16.8 25.2#

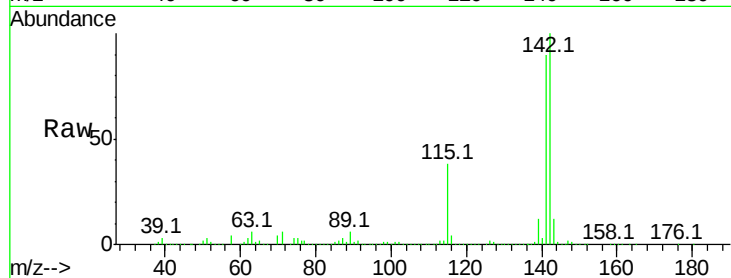




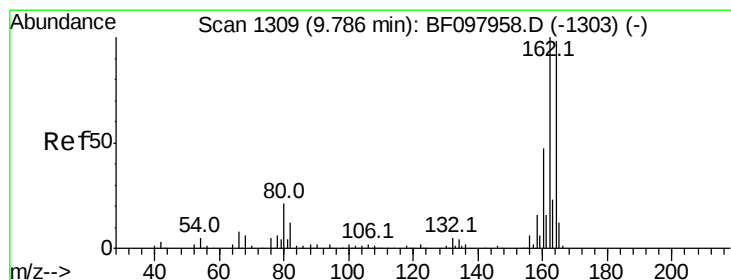
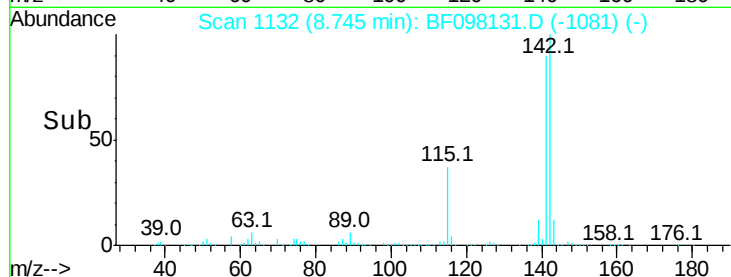
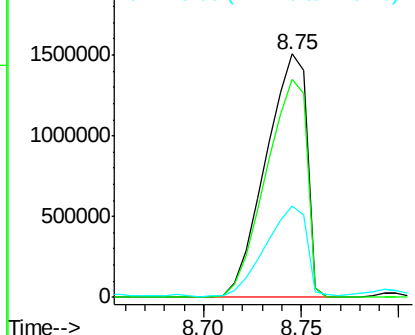
#37
2-Methylnaphthalene
Concen: 144.943 ng
RT: 8.75 min Scan# 1132
Delta R.T. 0.00 min
Lab File: BF098131.D
Acq: 30 Aug 2017 00:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 2194966
Ion Ratio Lower Upper
142 100
141 89.6 71.3 106.9
115 37.7 27.1 40.7

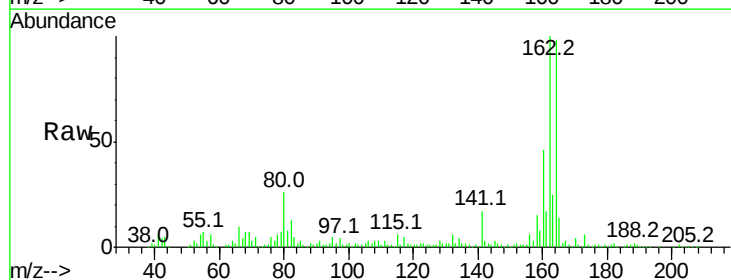


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

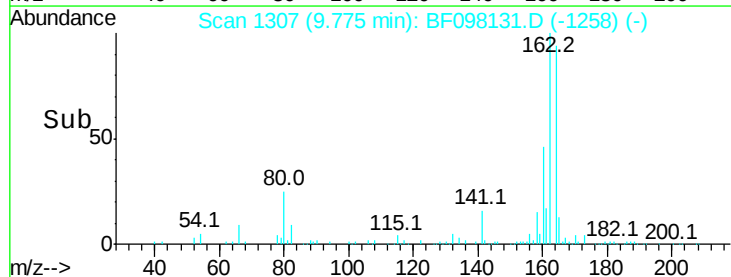
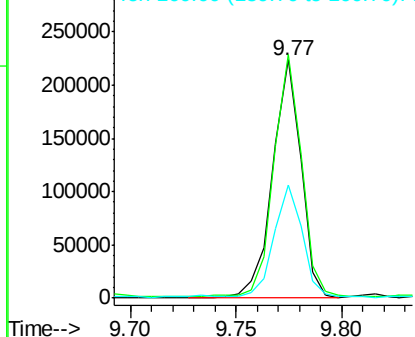


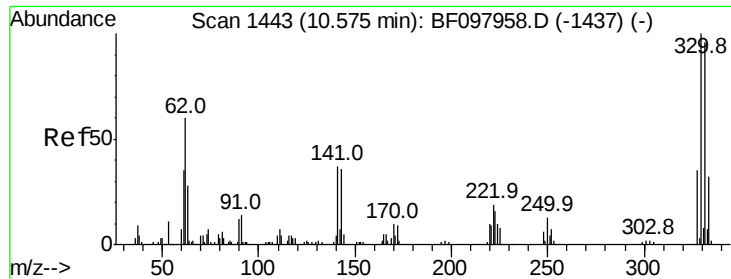
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF098131.D
Acq: 30 Aug 2017 00:46

Tgt Ion:164 Resp: 209080
Ion Ratio Lower Upper
164 100
162 102.2 82.6 123.8
160 47.3 36.2 54.2



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

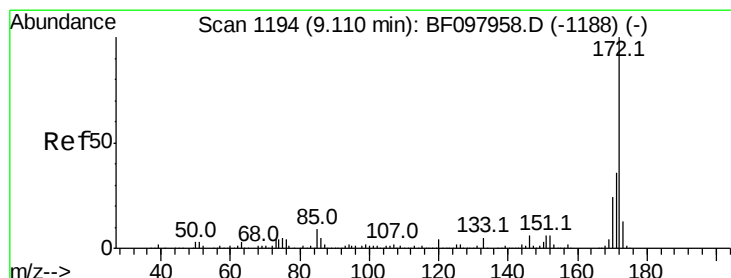
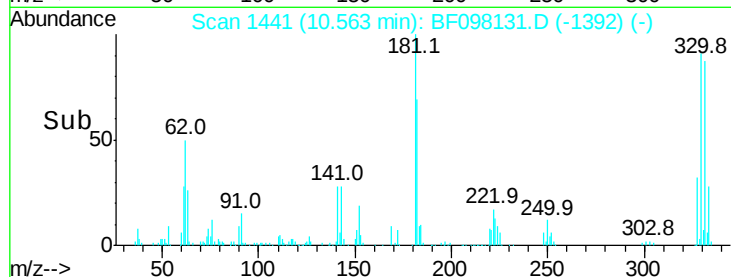
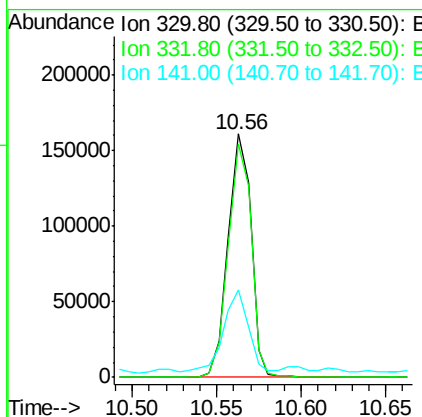
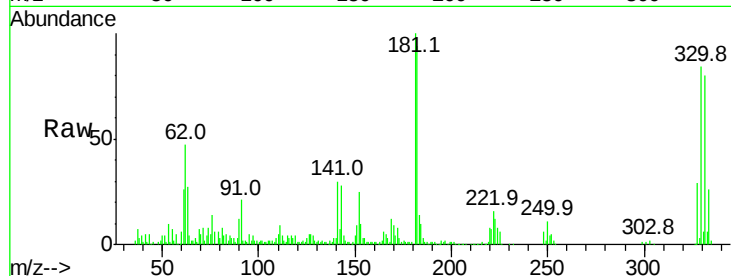




#41
 2,4,6-Tribromophenol
 Concen: 84.277 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098131.D
 Acq: 30 Aug 2017 00:46

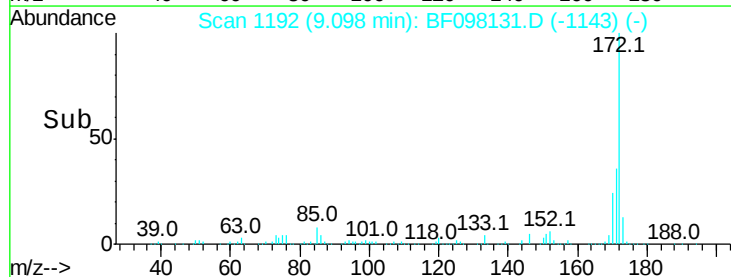
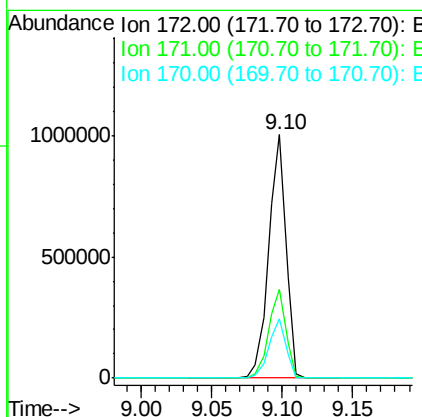
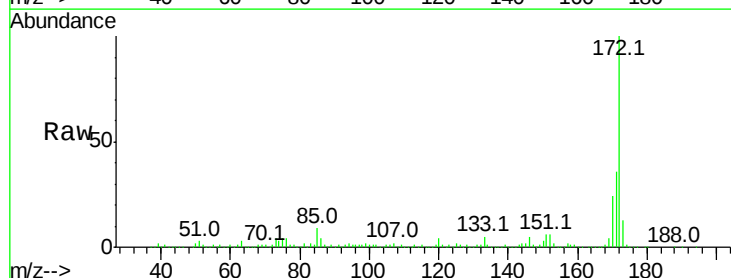
Instrument :
 BNA_F
 ClientSampled :

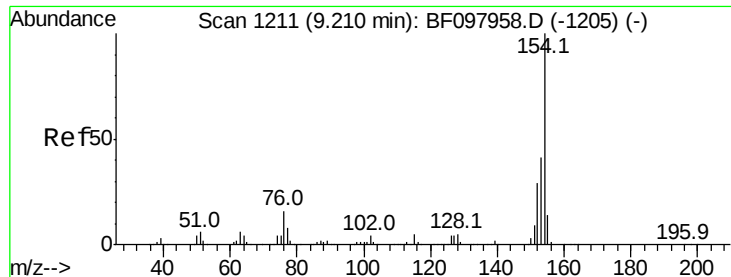
Tot Ion:330 Resp: 152887
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 115.0
 141 37.7 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 61.685 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF098131.D
 Acq: 30 Aug 2017 00:46

Tgt Ion:172 Resp: 877829
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 24.2 19.8 29.8

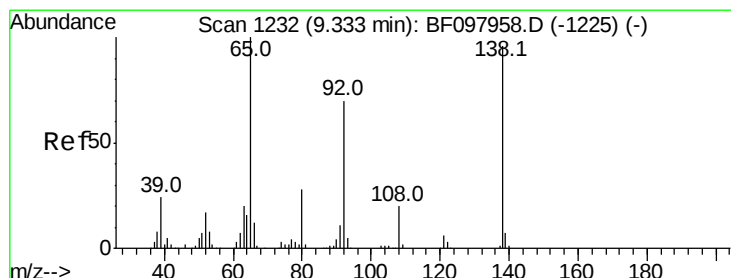
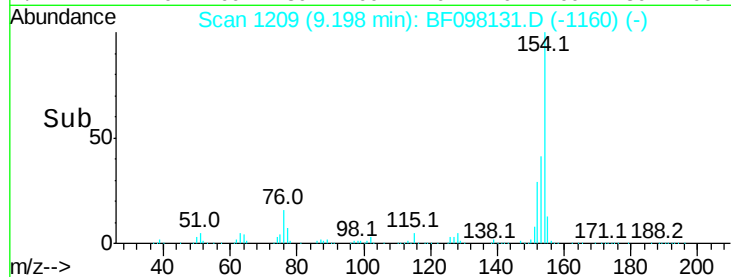
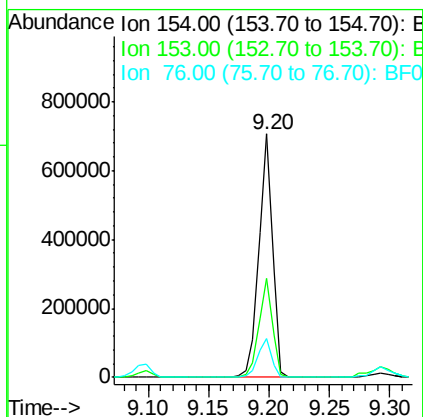
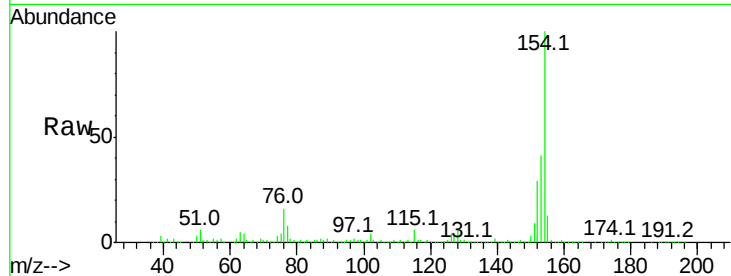




#45
 1,1'-Biphenyl
 Concen: 29.545 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF098131.D
 Acq: 30 Aug 2017 00:46

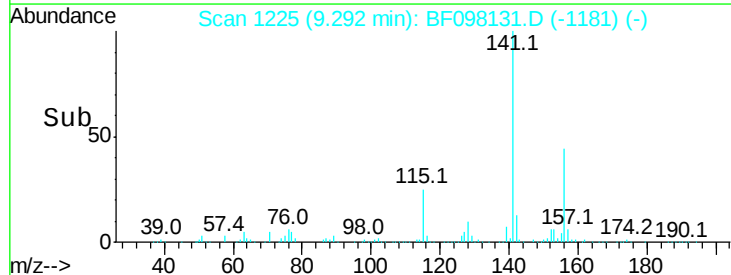
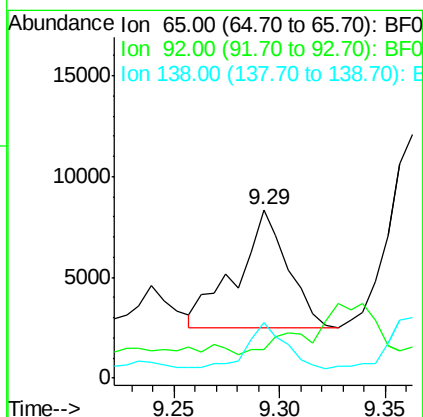
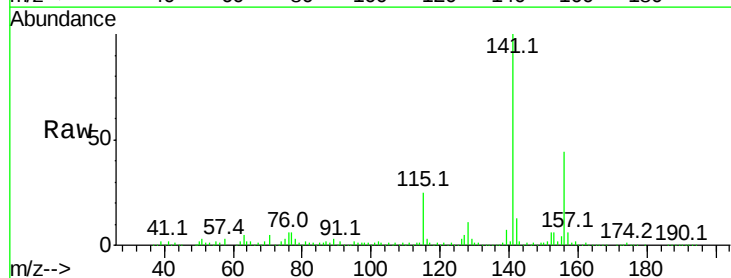
Instrument :
 BNA_F
 ClientSampleId :

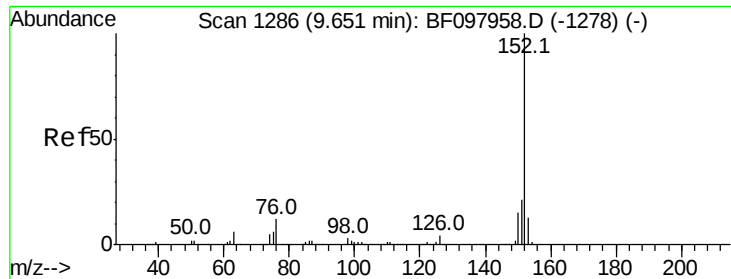
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.6	21.2	61.2
76	16.1	0.0	29.9



#47
 2-Nitroaniline
 Concen: 2.065 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. -0.04 min
 Lab File: BF098131.D
 Acq: 30 Aug 2017 00:46

Tgt Ion	Ratio	Lower	Upper
65	100		
92	17.2	53.9	80.9#
138	32.8	78.8	118.2#





#48

Acenaphthylene

Concen: 2.073 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.02 min

Lab File: BF098131.D

Acq: 30 Aug 2017 00:46

Instrument :

BNA_F

ClientSampleId :

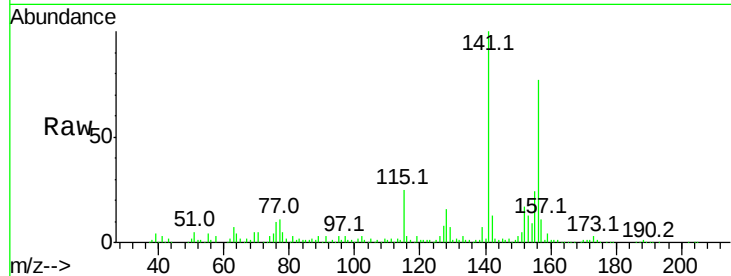
Tot Ion:152 Resp: 45857

Ion Ratio Lower Upper

152 100

151 27.8 16.8 25.2#

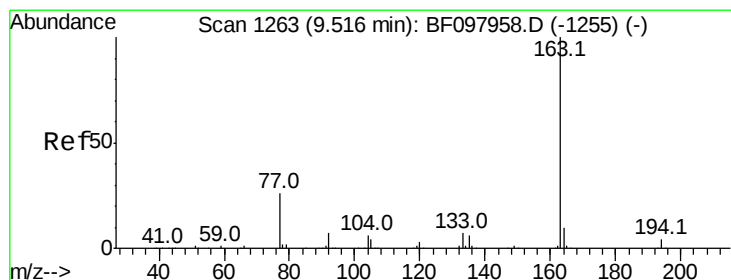
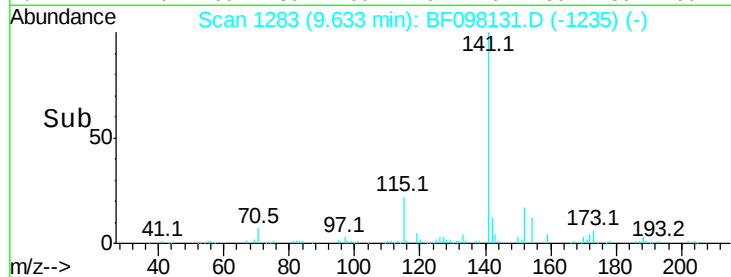
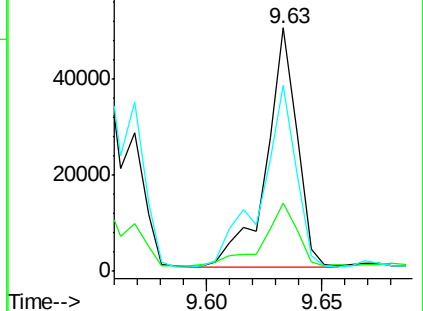
153 76.3 10.8 16.2#



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: 17.627 ng

RT: 9.49 min Scan# 1259

Delta R.T. -0.02 min

Lab File: BF098131.D

Acq: 30 Aug 2017 00:46

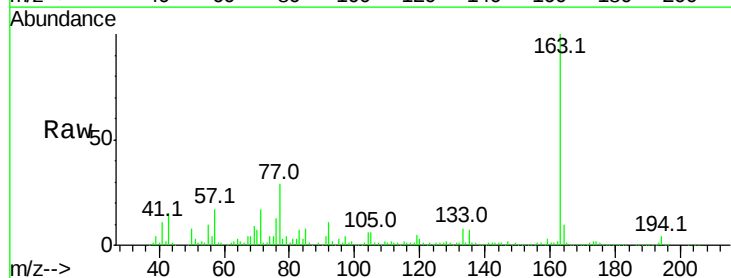
Tgt Ion:163 Resp: 269394

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

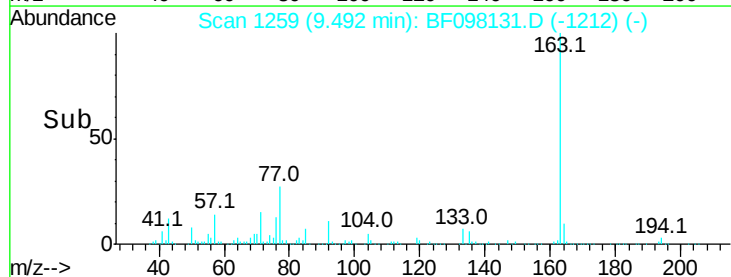
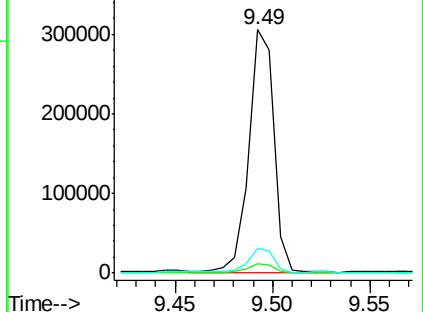
164 10.2 8.4 12.6

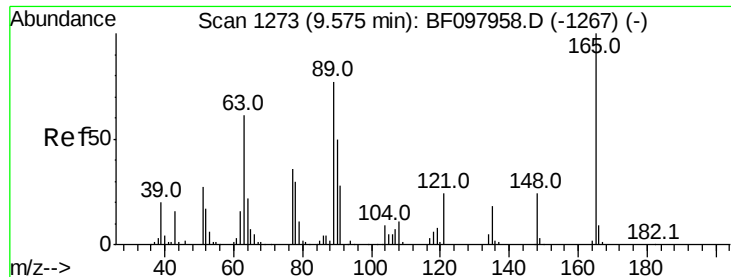


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

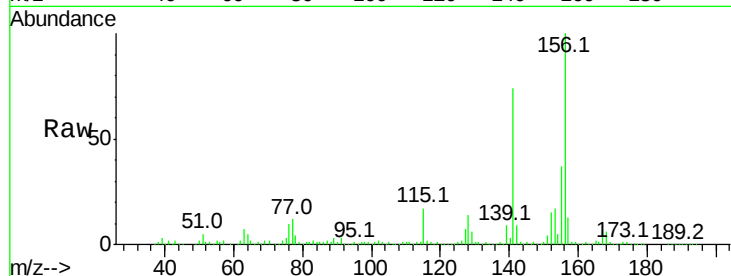




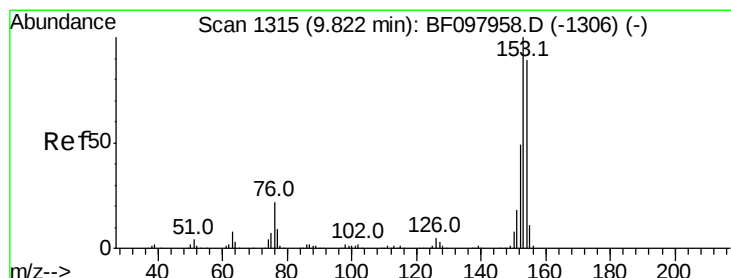
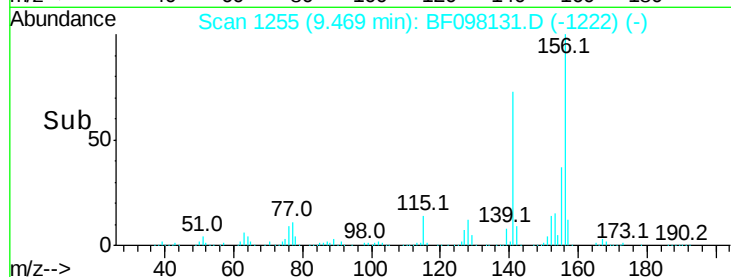
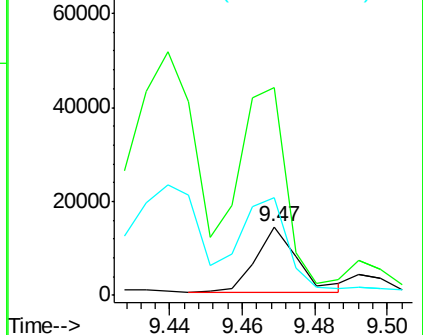
#50
2,6-Dinitrotoluene
Concen: 3.627 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.11 min
Lab File: BF098131.D
Acq: 30 Aug 2017 00:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 11066
Ion Ratio Lower Upper
165 100
63 302.6 34.3 51.5#
89 143.4 37.1 55.7#

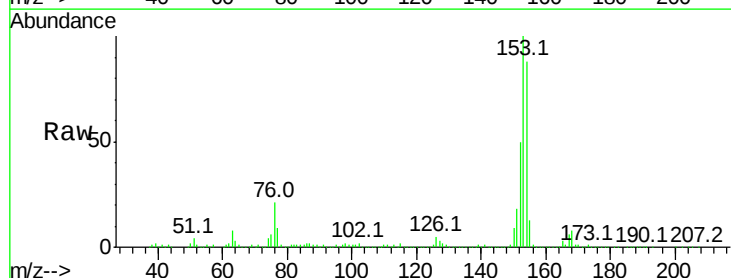


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

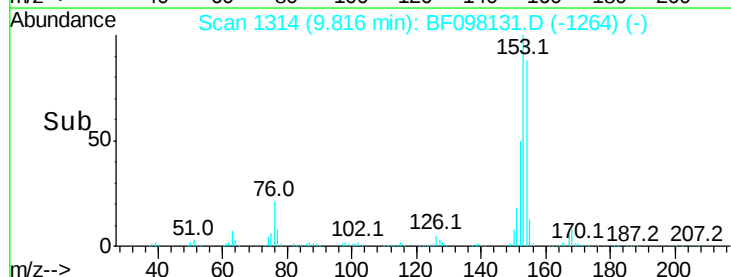
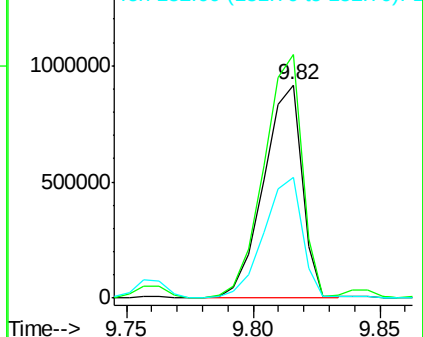


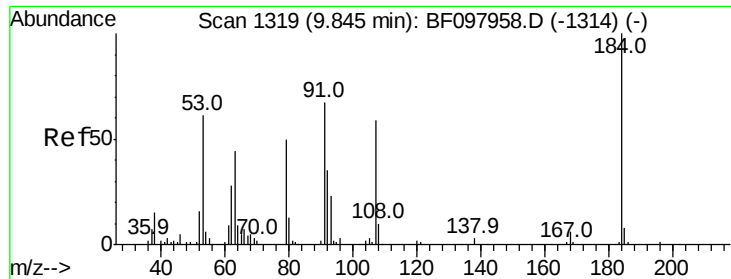
#51
Acenaphthene
Concen: 68.670 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF098131.D
Acq: 30 Aug 2017 00:46

Tgt Ion:154 Resp: 958108
Ion Ratio Lower Upper
154 100
153 114.2 90.5 135.7
152 56.7 43.6 65.4



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

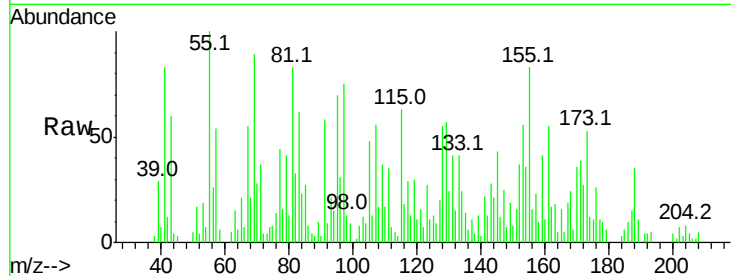




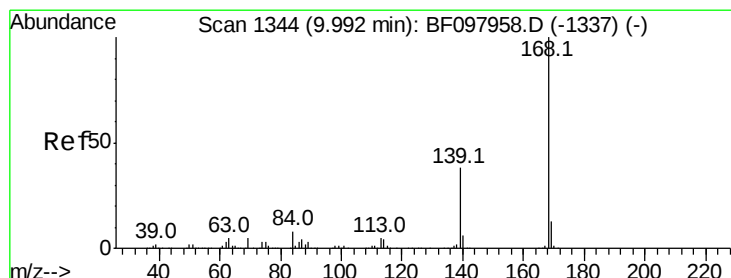
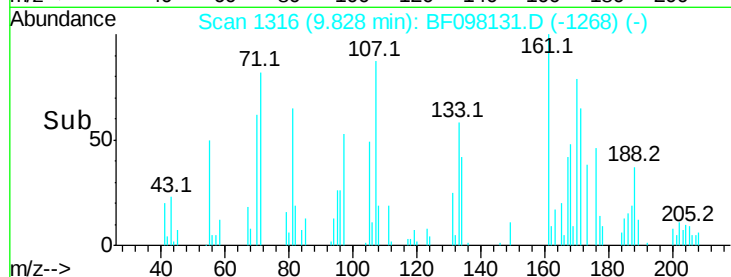
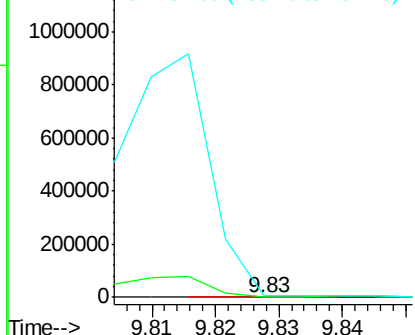
#53
 2,4-Dinitrophenol
 Concen: 10.232 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.02 min
 Lab File: BF098131.D
 Acq: 30 Aug 2017 00:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:184 Resp: 150
 Ion Ratio Lower Upper
 184 100
 63 536.7 62.7 94.1#
 154 1285.4 81.1 121.7#

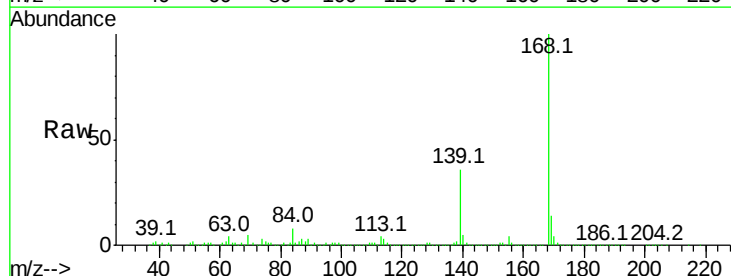


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

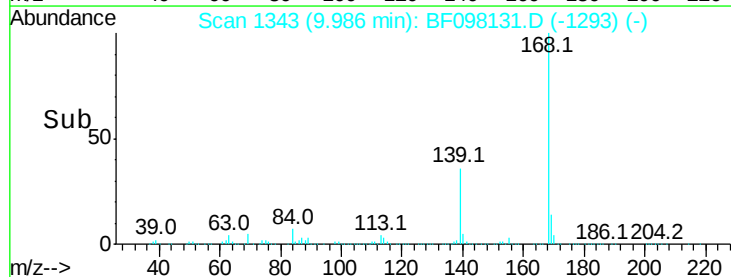
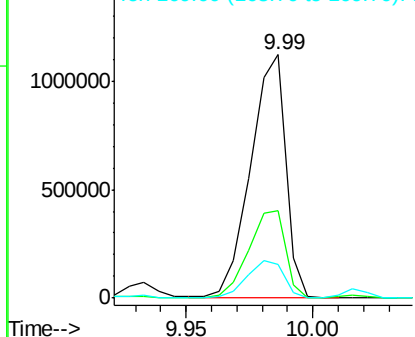


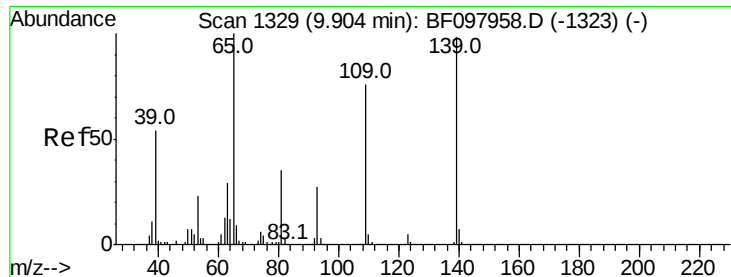
#54
 Dibenzofuran
 Concen: 58.029 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: BF098131.D
 Acq: 30 Aug 2017 00:46

Tgt Ion:168 Resp: 1085103
 Ion Ratio Lower Upper
 168 100
 139 36.0 30.6 45.8
 169 13.8 10.8 16.2



Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E

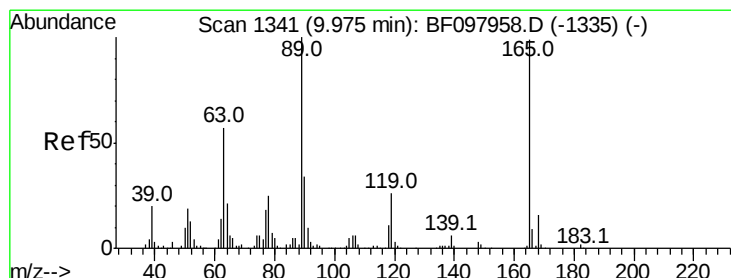
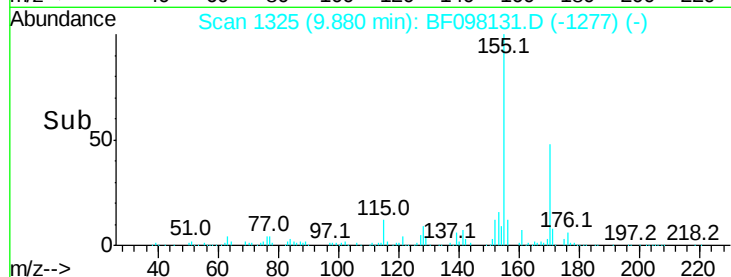
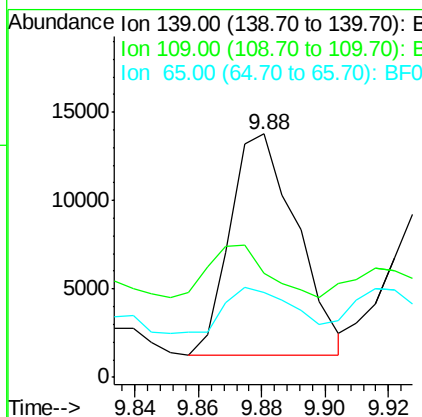
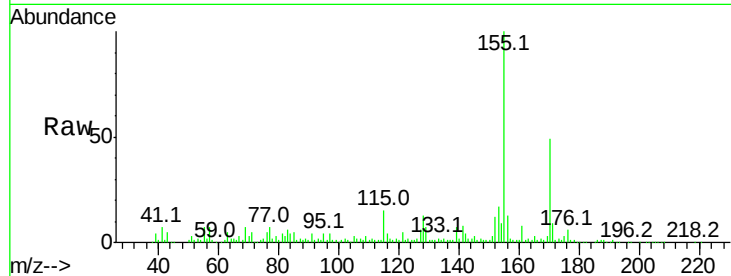




#55
4-Nitrophenol
Concen: 5.832 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BF098131.D
Acq: 30 Aug 2017 00:46

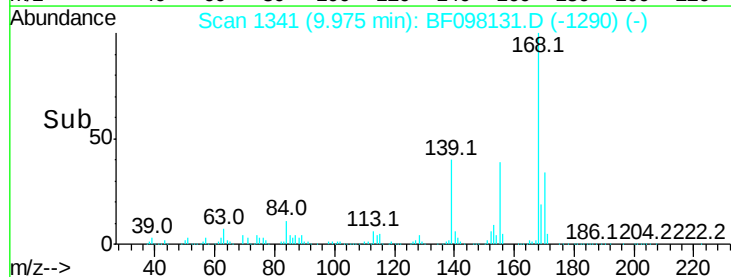
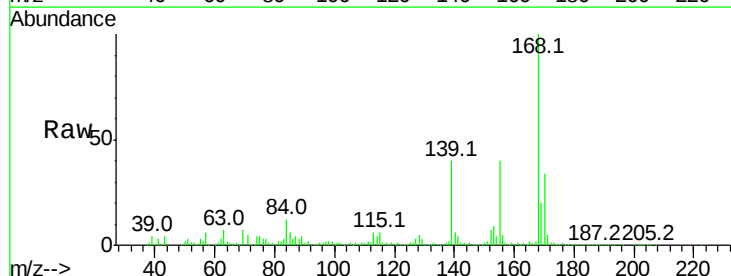
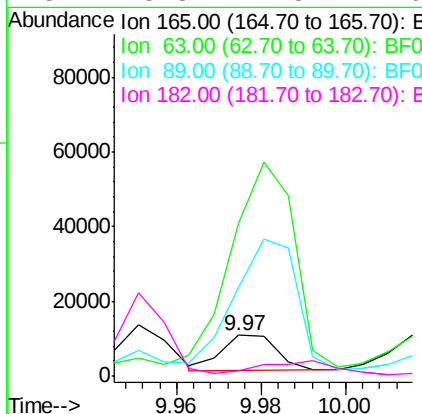
Instrument :
BNA_F
ClientSampleId :

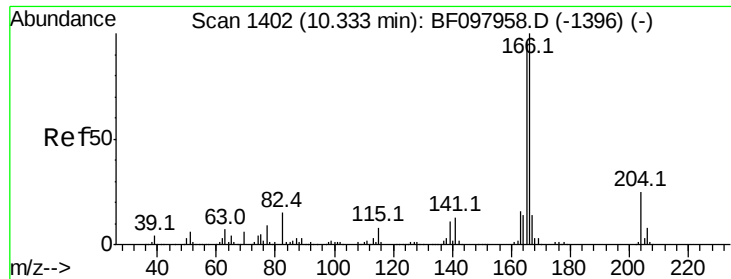
Tot Ion:139 Resp: 18311
Ion Ratio Lower Upper
139 100
109 42.8 34.1 74.1
65 34.7 31.4 71.4



#56
2,4-Dinitrotoluene
Concen: 2.234 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.00 min
Lab File: BF098131.D
Acq: 30 Aug 2017 00:46

Tgt Ion:165 Resp: 8551
Ion Ratio Lower Upper
165 100
63 372.1 25.4 38.0#
89 214.6 46.4 69.6#
182 13.8 1.8 2.6#

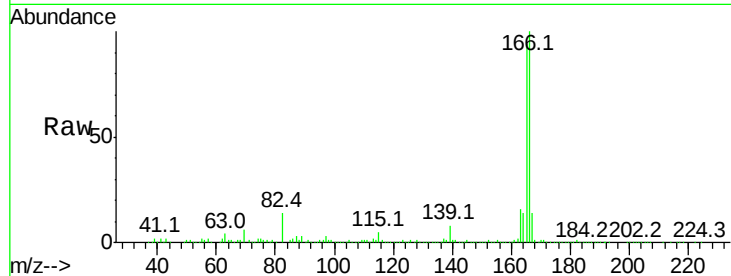




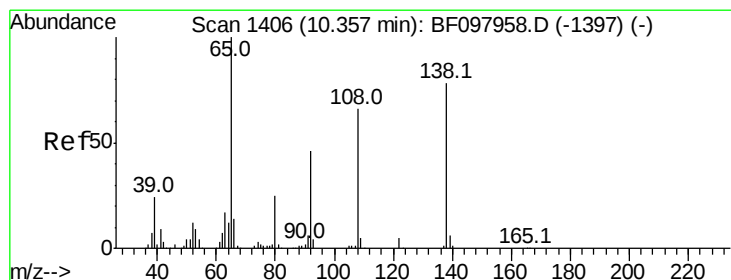
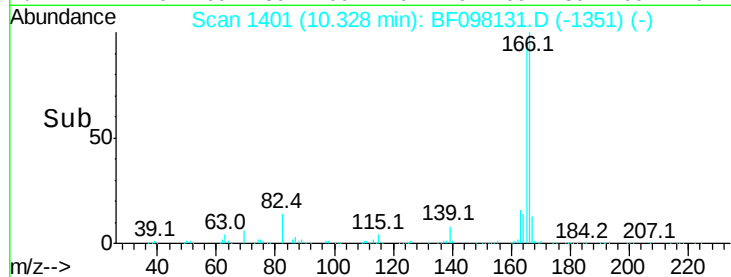
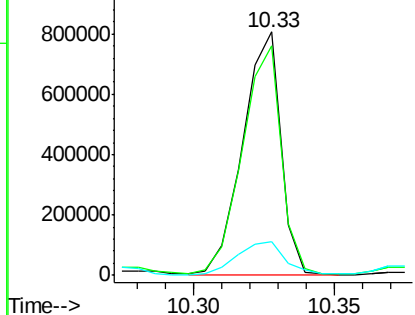
#57
Fluorene
 Concen: 52.106 ng
 RT: 10.33 min Scan# 1401
 Delta R.T. -0.01 min
 Lab File: BF098131.D
 Acq: 30 Aug 2017 00:46

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:166 Resp: 753308
 Ion Ratio Lower Upper
 166 100
 165 94.3 78.8 118.2
 167 14.0 10.6 16.0

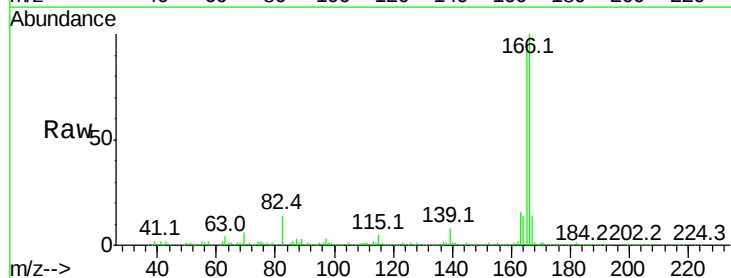


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

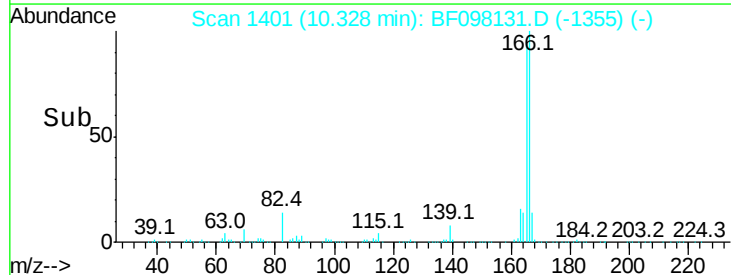
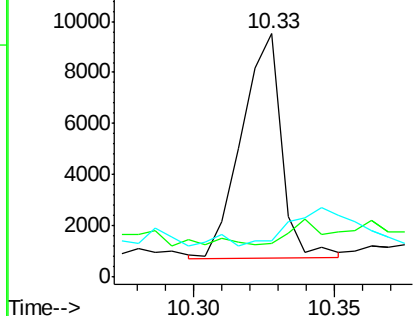


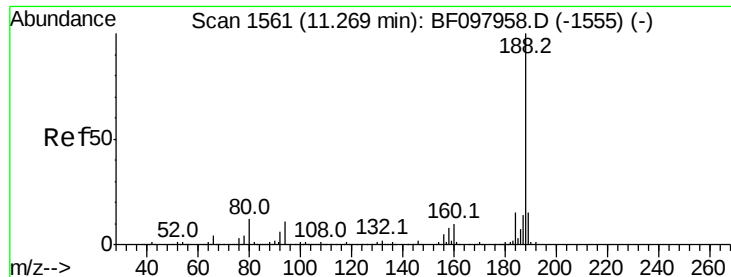
#61
4-Nitroaniline
 Concen: 2.304 ng
 RT: 10.33 min Scan# 1401
 Delta R.T. -0.03 min
 Lab File: BF098131.D
 Acq: 30 Aug 2017 00:46

Tgt Ion:138 Resp: 8618
 Ion Ratio Lower Upper
 138 100
 92 13.9 21.8 61.8#
 108 15.0 42.3 82.3#



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 108.00 (107.70 to 108.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF098131.D

Acq: 30 Aug 2017 00:46

Instrument :

BNA_F

ClientSampled :

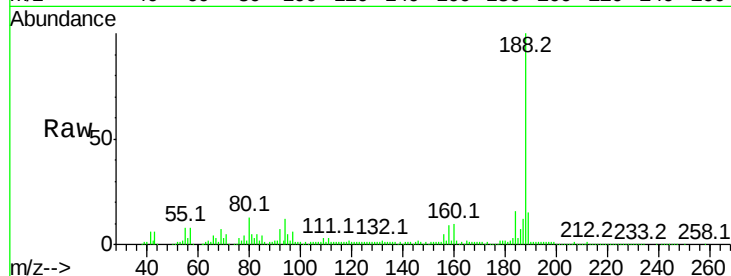
Tot Ion:188 Resp: 318849

Ion Ratio Lower Upper

188 100

94 12.5 9.4 14.2

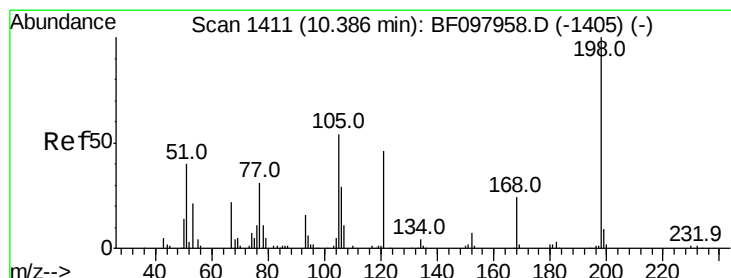
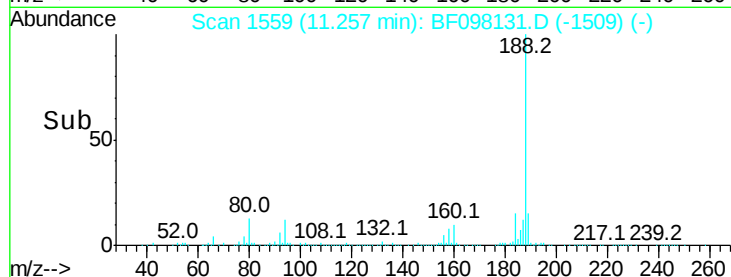
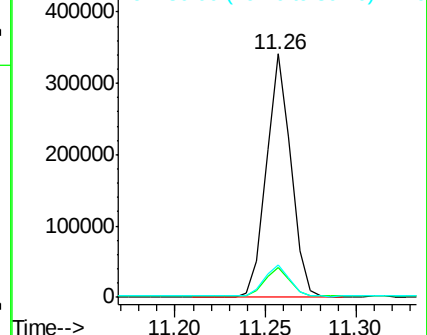
80 13.2 10.2 15.2



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: 9.321 ng

RT: 10.39 min Scan# 1412

Delta R.T. 0.01 min

Lab File: BF098131.D

Acq: 30 Aug 2017 00:46

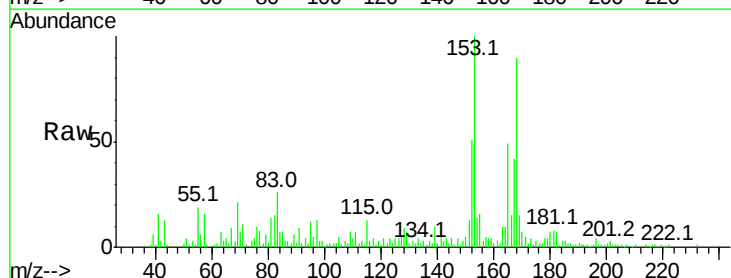
Tgt Ion:198 Resp: 1818

Ion Ratio Lower Upper

198 100

51 462.8 53.2 93.2#

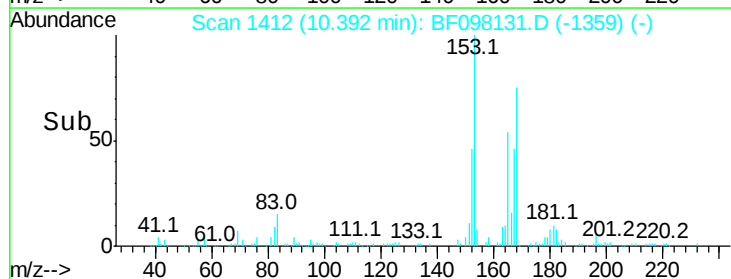
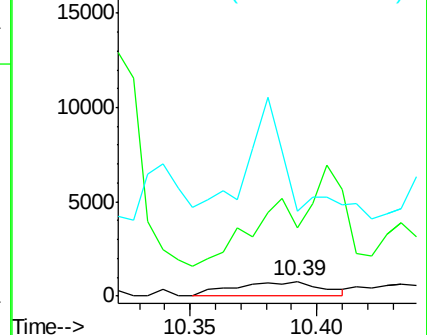
105 571.9 45.8 85.8#

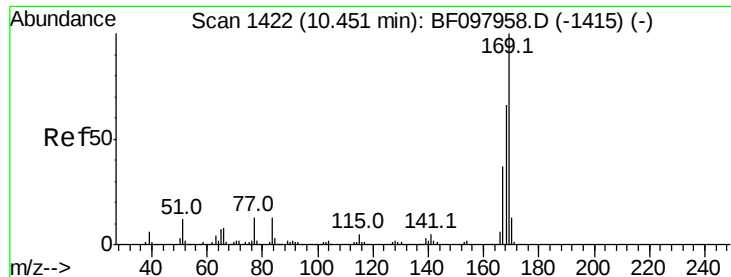


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

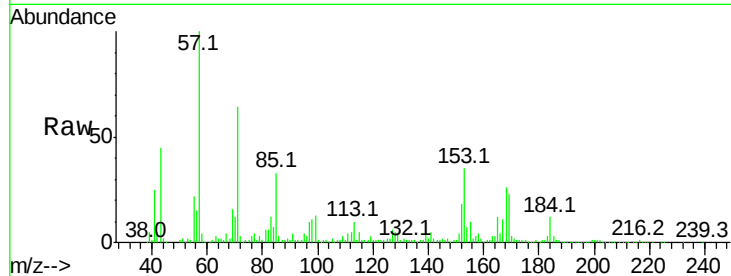




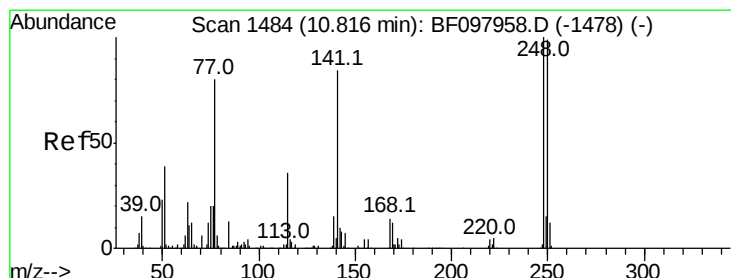
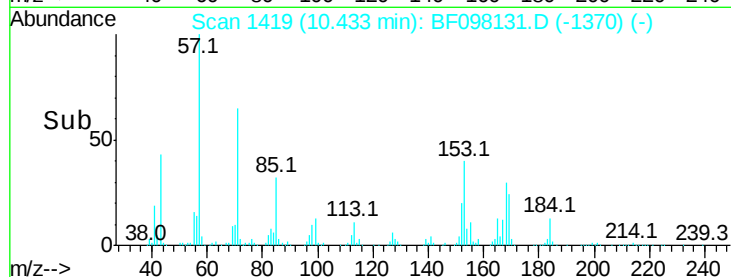
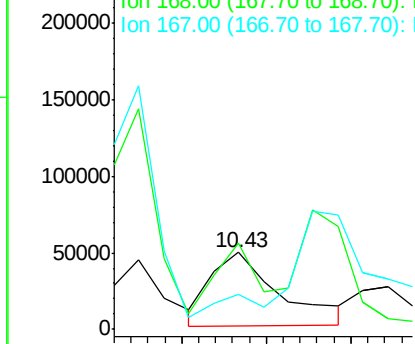
#65
n-Nitrosodiphenylamine
Concen: 5.006 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF098131.D
Acq: 30 Aug 2017 00:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:169 Resp: 54358
Ion Ratio Lower Upper
169 100
168 112.5 53.2 79.8#
167 45.7 29.5 44.3#

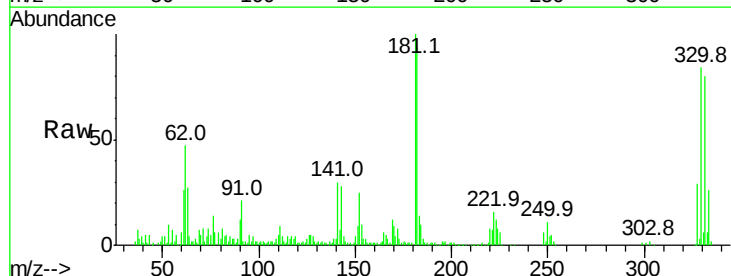


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

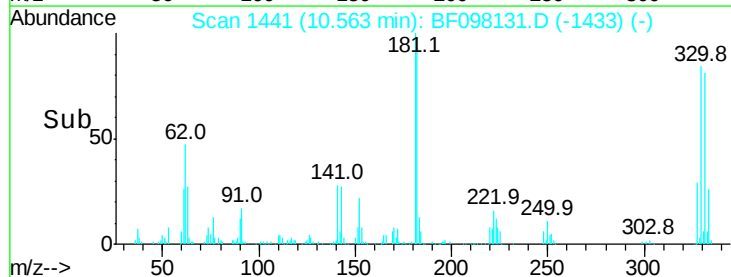
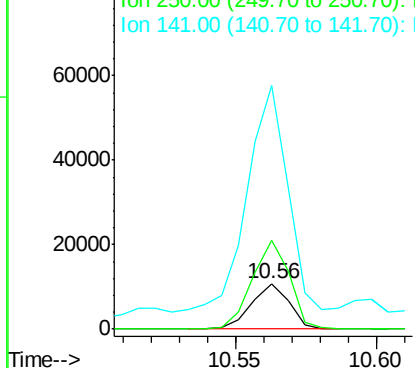


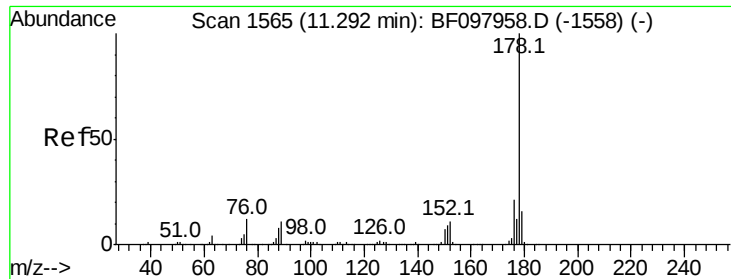
#66
4-Bromophenyl-phenylether
Concen: 2.994 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.25 min
Lab File: BF098131.D
Acq: 30 Aug 2017 00:46

Tgt Ion:248 Resp: 9914
Ion Ratio Lower Upper
248 100
250 195.8 76.8 115.2#
141 538.4 68.6 103.0#



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





#70

Phenanthrene

Concen: 75.404 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF098131.D

Acq: 30 Aug 2017 00:46

Instrument :

BNA_F

ClientSampleId :

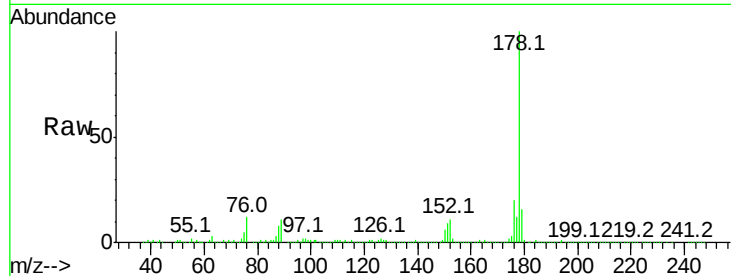
Tot Ion:178 Resp: 1281150

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.4

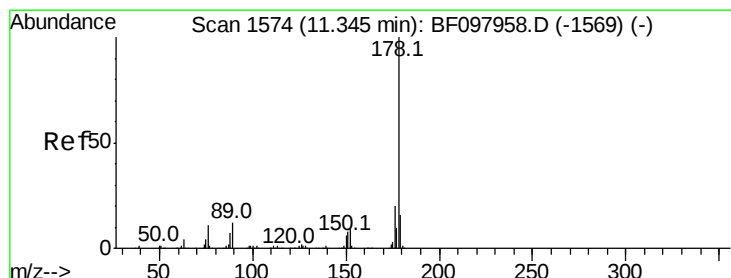
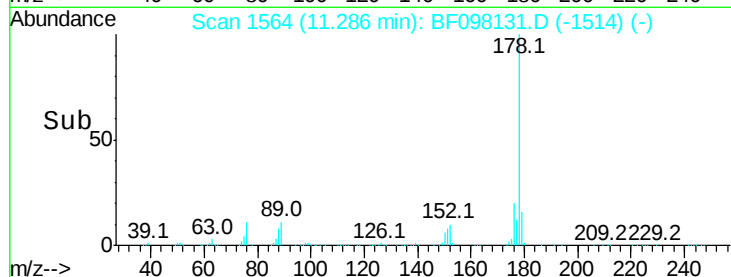
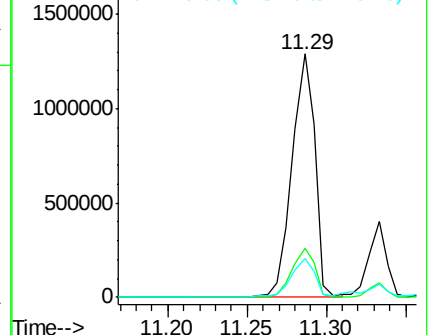
179 15.9 12.6 19.0



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: 18.031 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF098131.D

Acq: 30 Aug 2017 00:46

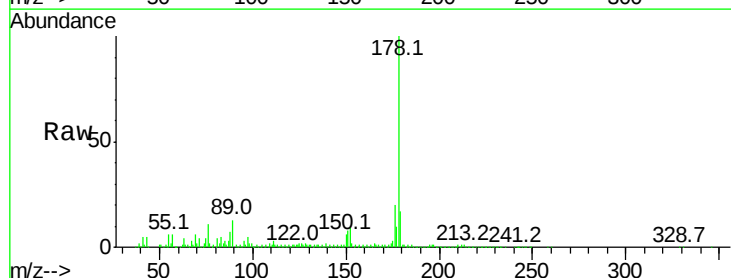
Tgt Ion:178 Resp: 310733

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

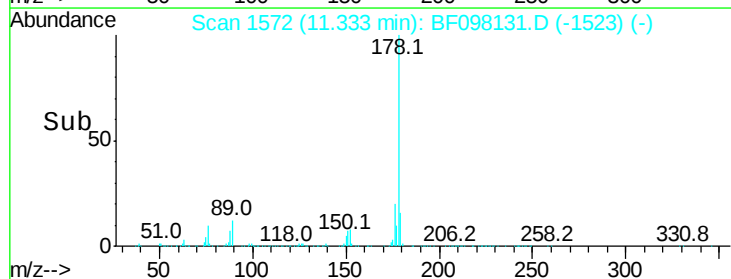
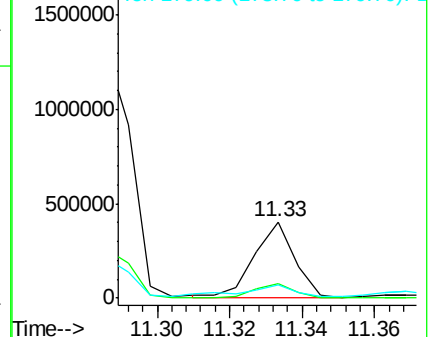
179 16.7 12.7 19.1

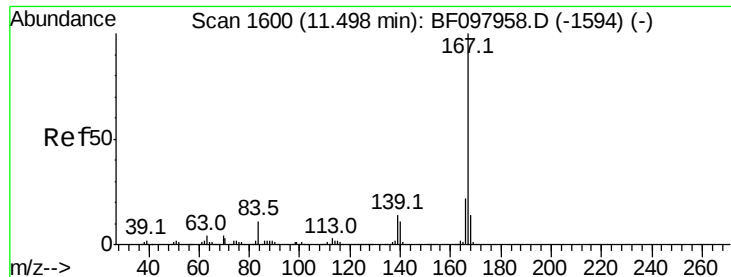


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.303 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF098131.D

Acq: 30 Aug 2017 00:46

Instrument :

BNA_F

ClientSampleId :

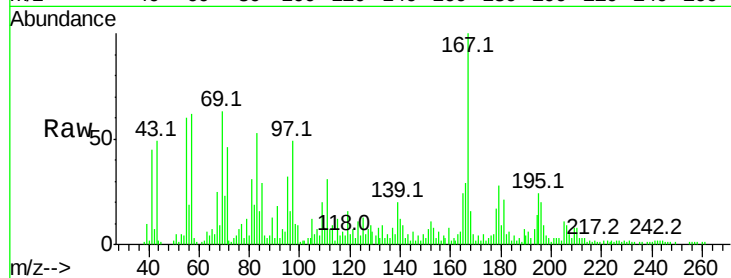
Tot Ion:167 Resp: 37665

Ion Ratio Lower Upper

167 100

166 28.7 18.1 27.1#

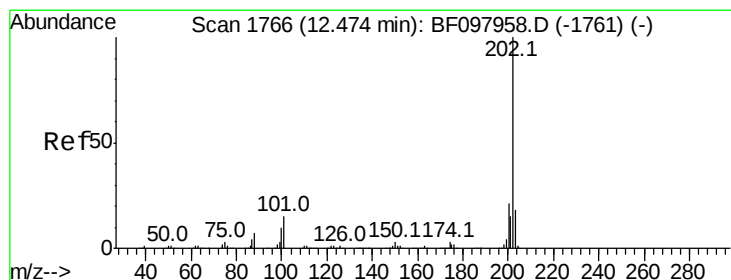
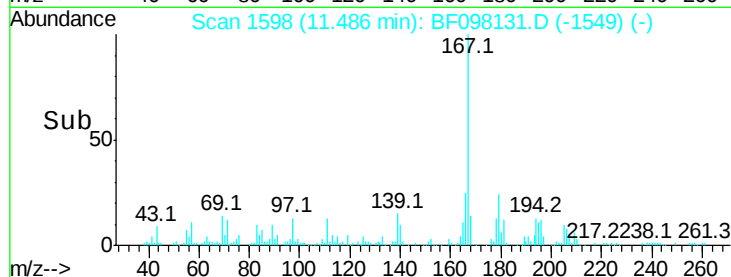
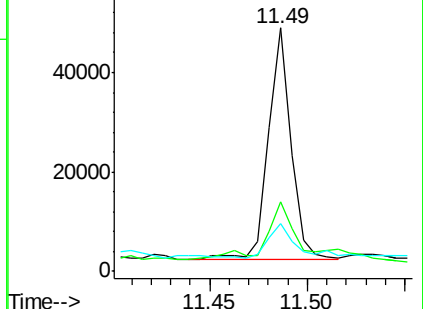
139 19.6 11.7 17.5#



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



#74

Fluoranthene

Concen: 20.104 ng

RT: 12.47 min Scan# 1765

Delta R.T. -0.01 min

Lab File: BF098131.D

Acq: 30 Aug 2017 00:46

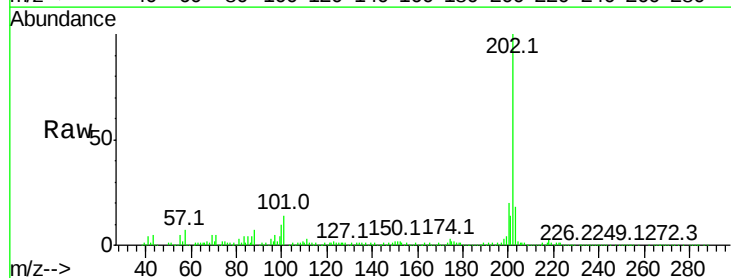
Tgt Ion:202 Resp: 356529

Ion Ratio Lower Upper

202 100

101 13.7 0.0 33.2

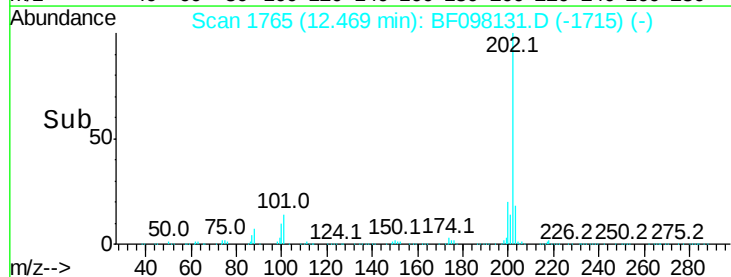
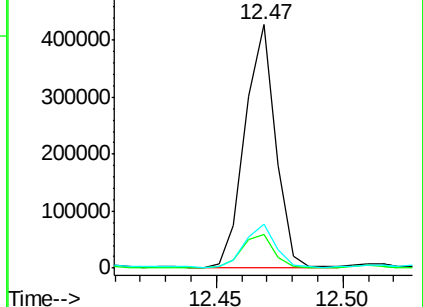
203 17.9 0.0 38.1

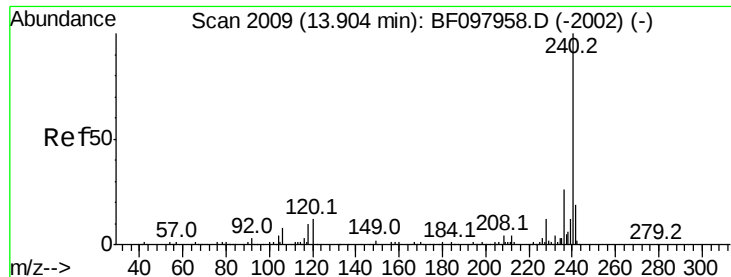


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF098131.D

Acq: 30 Aug 2017 00:46

Instrument :

BNA_F

ClientSampleId :

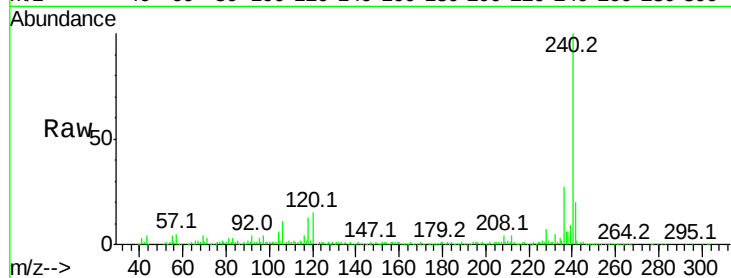
Tot Ion:240 Resp: 271735

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

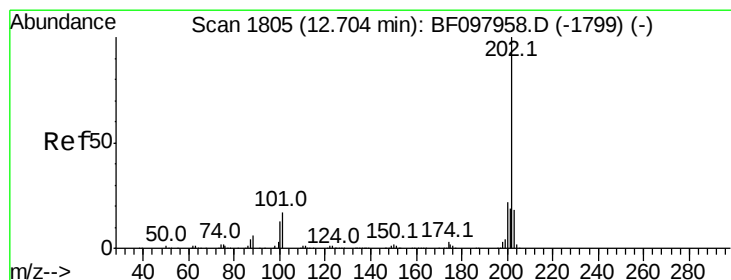
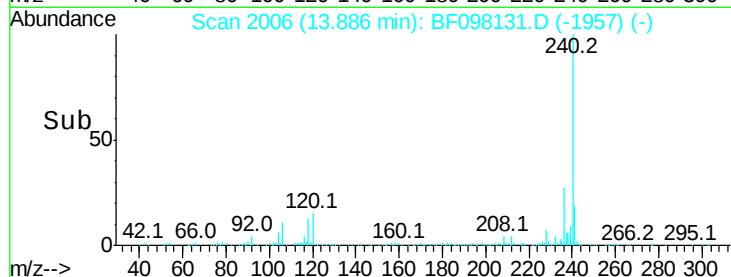
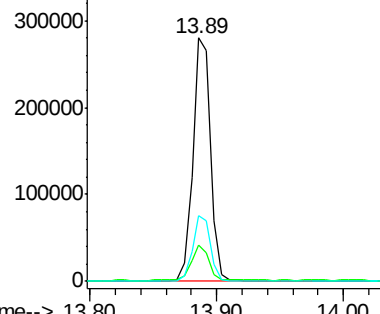
236 26.9 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 12.736 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF098131.D

Acq: 30 Aug 2017 00:46

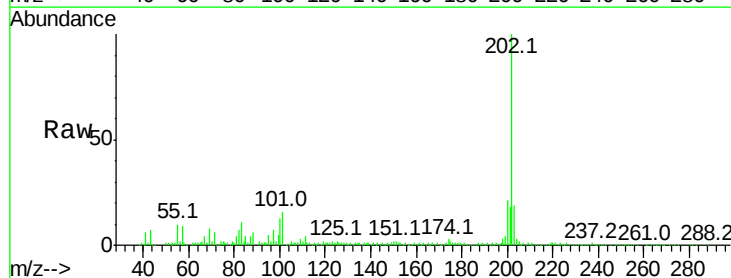
Tgt Ion:202 Resp: 283051

Ion Ratio Lower Upper

202 100

200 20.6 17.6 26.4

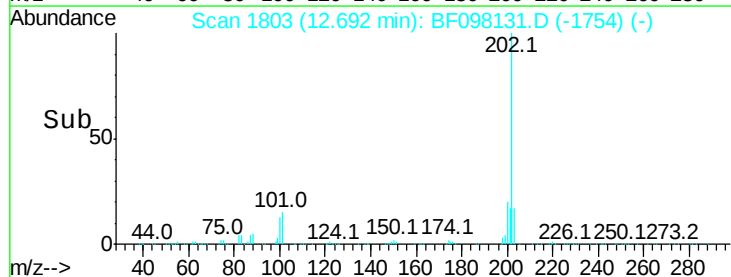
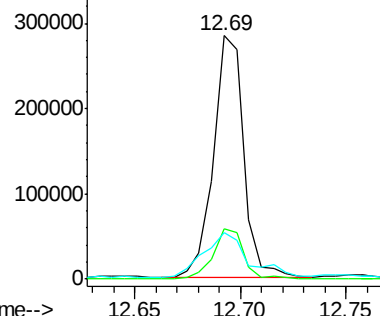
203 19.2 14.4 21.6

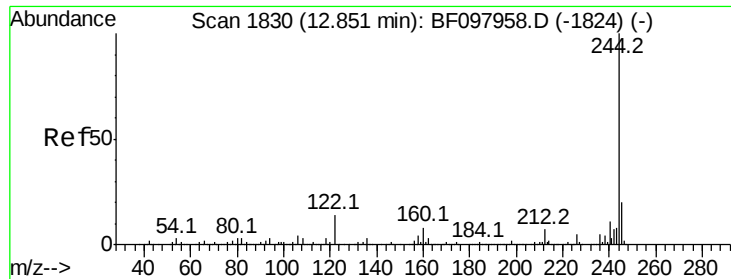


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 42.479 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF098131.D

Acq: 30 Aug 2017 00:46

Instrument :

BNA_F

ClientSampleId :

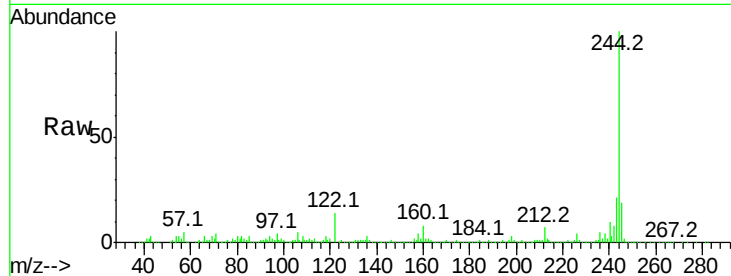
Tot Ion:244 Resp: 553528

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

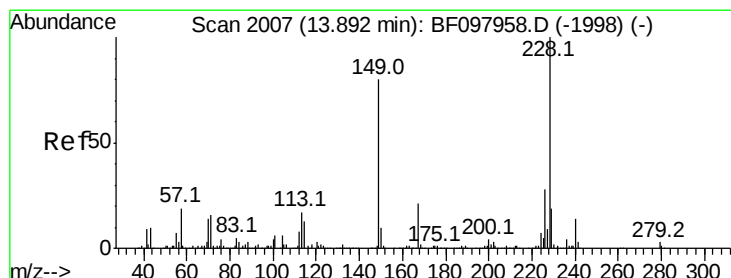
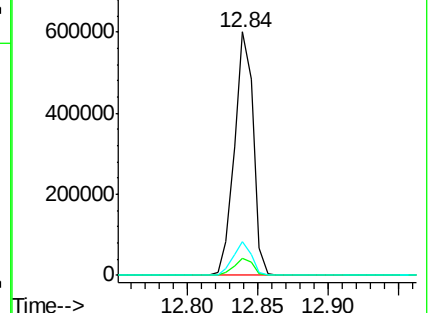
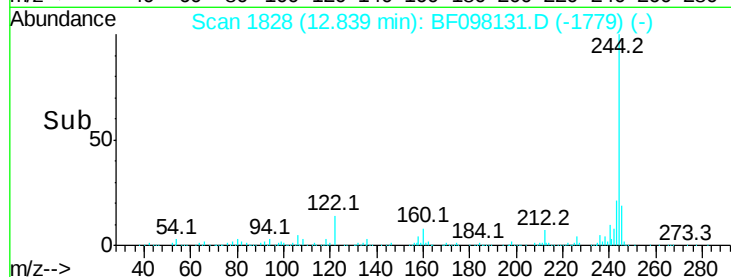
122 14.1 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.834 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF098131.D

Acq: 30 Aug 2017 00:46

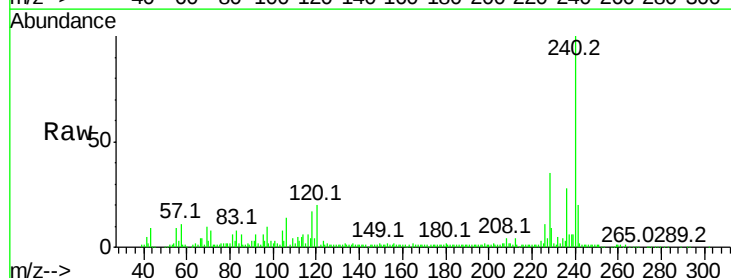
Tgt Ion:228 Resp: 46163

Ion Ratio Lower Upper

228 100

226 31.2 22.6 33.8

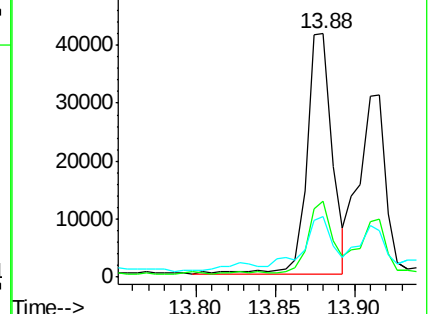
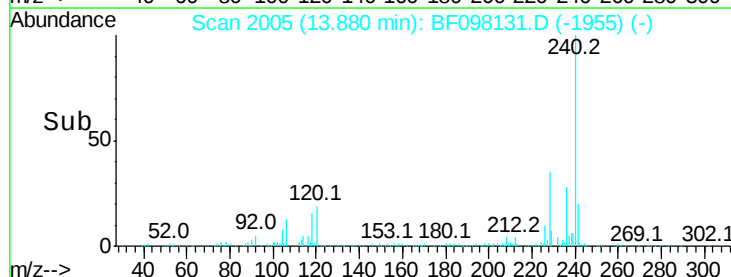
229 25.0 16.3 24.5#

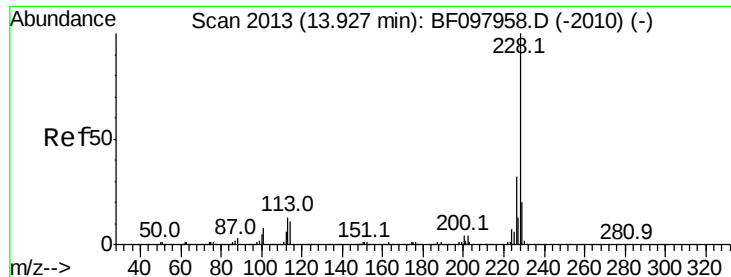


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

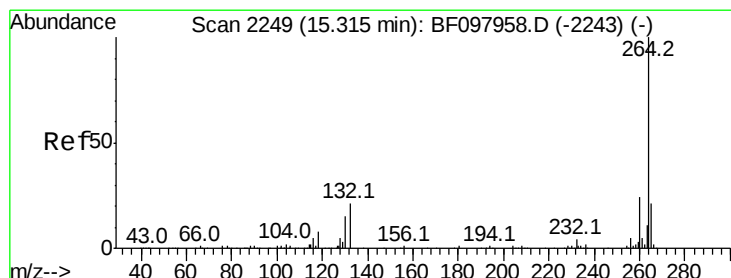
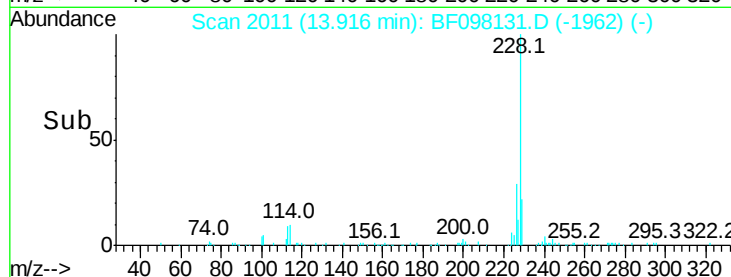
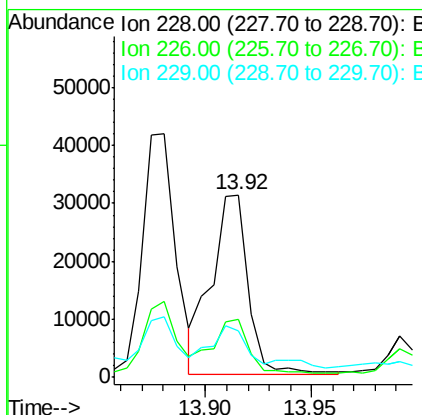
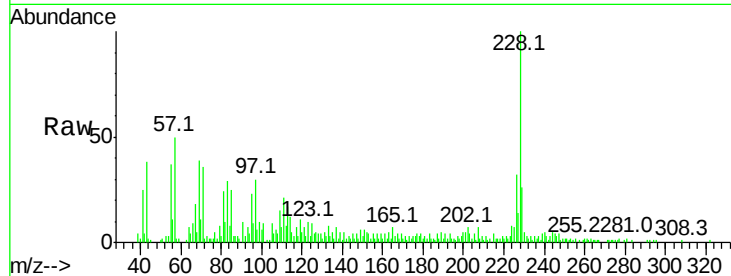




#82
 Chrysene
 Concen: 2.315 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. -0.01 min
 Lab File: BF098131.D
 Acq: 30 Aug 2017 00:46

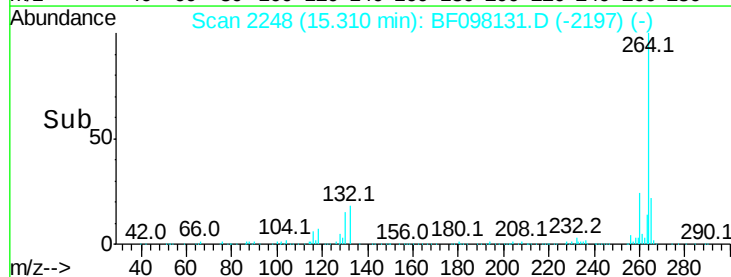
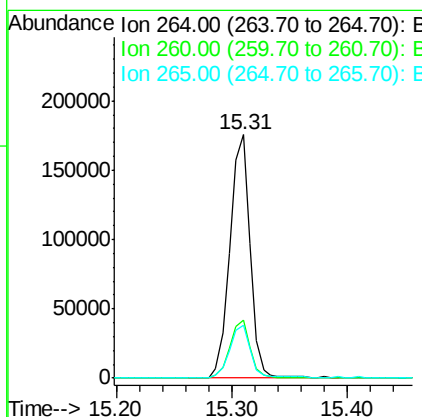
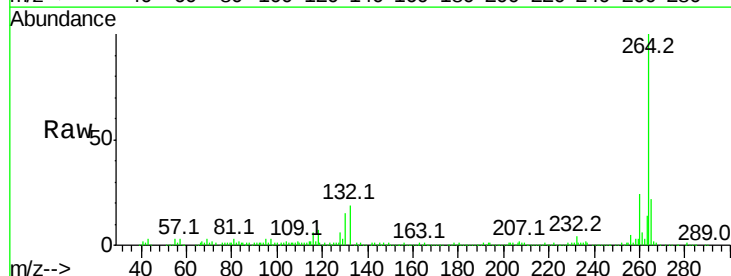
Instrument :
 BNA_F
 ClientSampled :

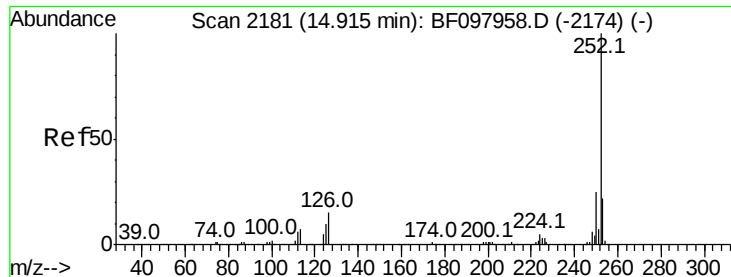
Tot Ion:228 Resp: 37502
 Ion Ratio Lower Upper
 228 100
 226 31.6 24.9 37.3
 229 25.8 15.8 23.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.31 min Scan# 2248
 Delta R.T. 0.00 min
 Lab File: BF098131.D
 Acq: 30 Aug 2017 00:46

Tgt Ion:264 Resp: 213687
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.5 29.3
 265 22.0 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 2.387 ng

RT: 14.90 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BF098131.D

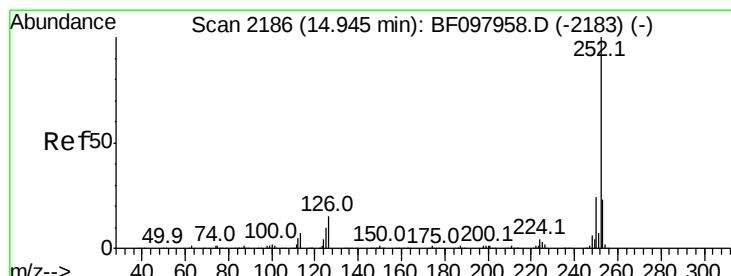
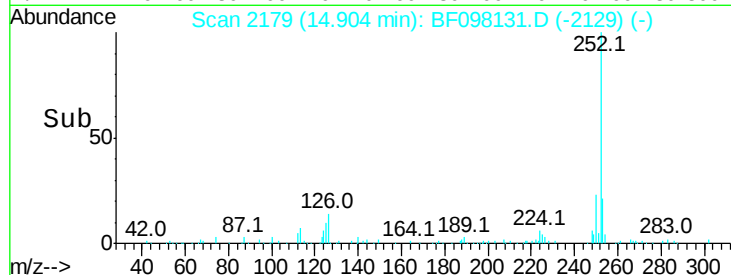
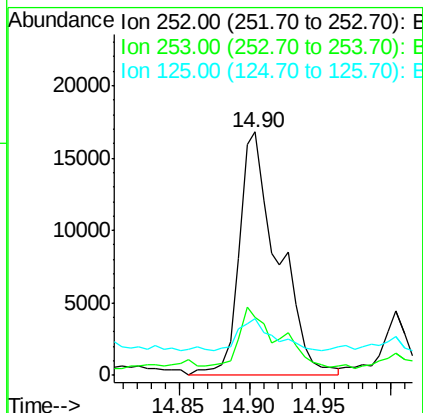
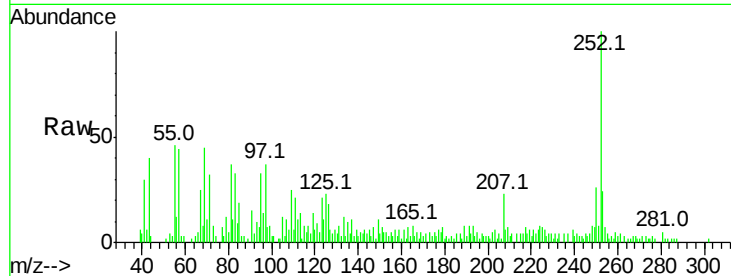
Acq: 30 Aug 2017 00:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	32157
Ion Ratio	Lower	Upper
252	100	
253	23.6	18.1 27.1
125	23.3	9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 2.541 ng

RT: 14.90 min Scan# 2179

Delta R.T. -0.04 min

Lab File: BF098131.D

Acq: 30 Aug 2017 00:46

Tgt Ion:252	Resp:	32157
Ion Ratio	Lower	Upper
252	100	
253	23.6	18.4 27.6
125	23.3	13.1 19.7#

