

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031618\
 Data File : BF103709.D
 Acq On : 16 Mar 2018 21:07
 Operator : JU/SJ
 Sample : J1750-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 16 23:00:58 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	161026	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	636104	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	280571	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	415504	20.00	ng	0.00
75) Chrysene-d12	14.15	240	335366	20.00	ng	0.00
86) Perylene-d12	15.69	264	283460	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	573779	54.20	ng	0.00
7) Phenol-d6	6.58	99	691163	53.36	ng	0.00
23) Nitrobenzene-d5	7.53	82	404695	44.37	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	115266	47.78	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	656380	37.32	ng	0.00
78) Terphenyl-d14	13.09	244	449372	31.10	ng	0.00

Target Compounds

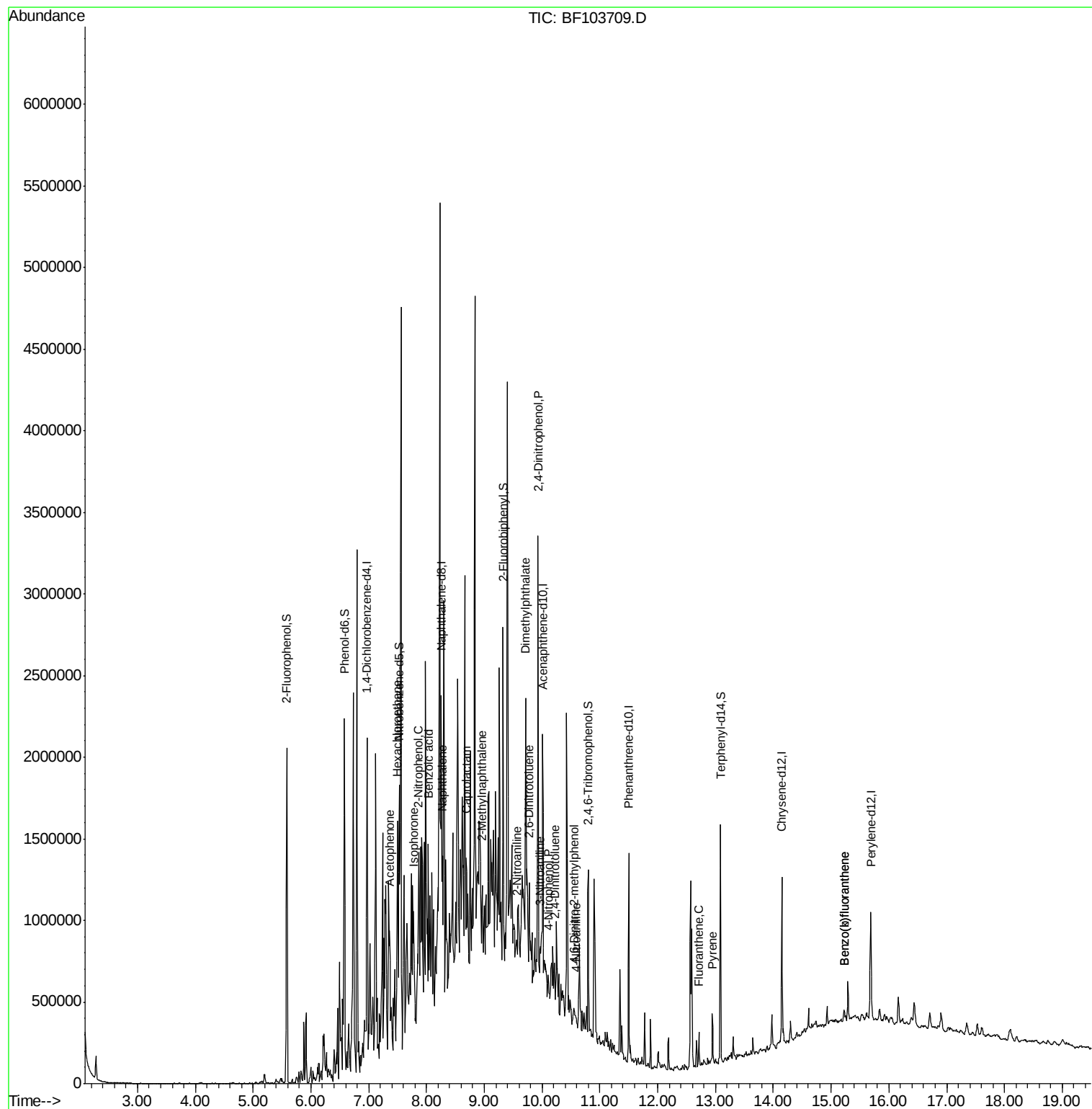
						Qvalue
18) Hexachloroethane	7.50	117	46281	10.366	ng	# 1
22) Acetophenone	7.36	105	136480	8.348	ng	# 59
25) Isophorone	7.77	82	43322	2.052	ng	# 1
26) 2-Nitrophenol	7.86	139	3995	10.234	ng	# 1
31) Naphthalene	8.27	128	66149	2.059	ng	# 83
32) Benzoic acid	8.04	122	5008	10.528	ng	# 17
35) Caprolactam	8.69	113	5857	2.067	ng	# 1
37) 2-Methylnaphthalene	8.96	142	93085	4.568	ng	# 97
47) 2-Nitroaniline	9.56	65	1298	7.043	ng	# 1
49) Dimethylphthalate	9.72	163	65858	3.077	ng	# 92
50) 2,6-Dinitrotoluene	9.77	165	1708	4.362	ng	# 53
52) 3-Nitroaniline	9.96	138	2064	4.197	ng	# 32
53) 2,4-Dinitrophenol	9.93	184	147	6.548	ng	# 1
55) 4-Nitrophenol	10.11	139	3411	5.786	ng	# 1
56) 2,4-Dinitrotoluene	10.21	165	1529	6.467	ng	# 70
61) 4-Nitroaniline	10.59	138	182	3.784	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.56	198	178	8.244	ng	# 1
74) Fluoranthene	12.72	202	64631	2.760	ng	# 98
77) Pyrene	12.94	202	59754	2.426	ng	# 100
87) Benzo(b)fluoranthene	15.23	252	46181	2.579	ng	# 84
88) Benzo(k)fluoranthene	15.23	252	46181	2.683	ng	# 87

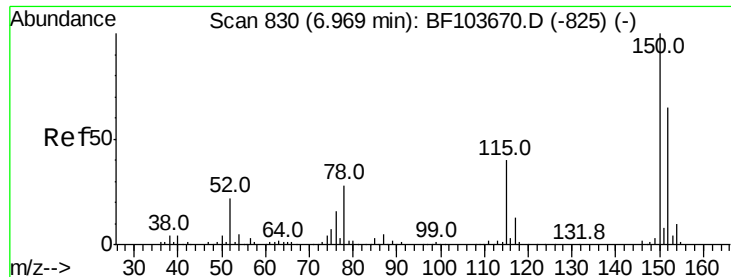
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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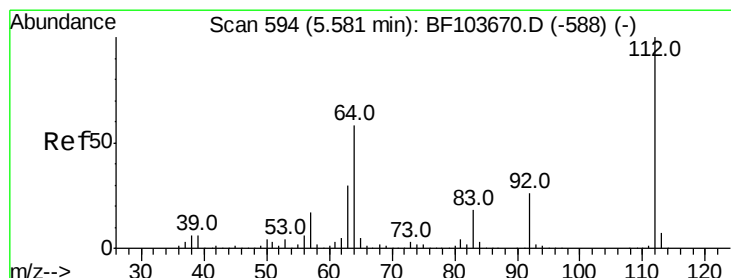
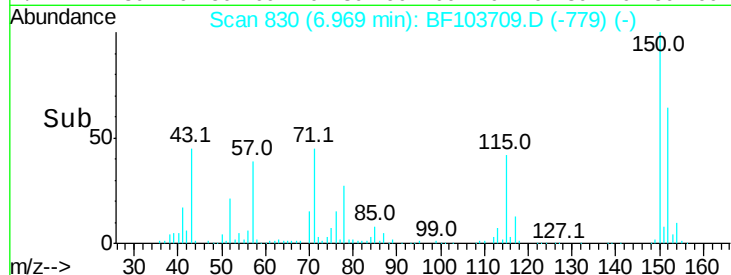
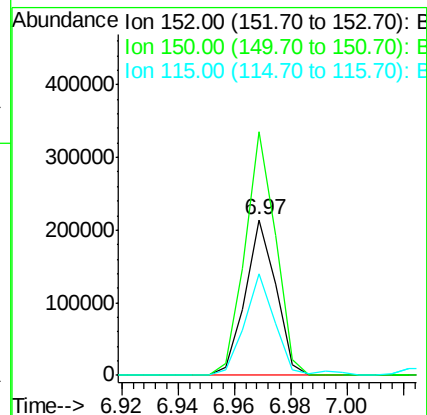
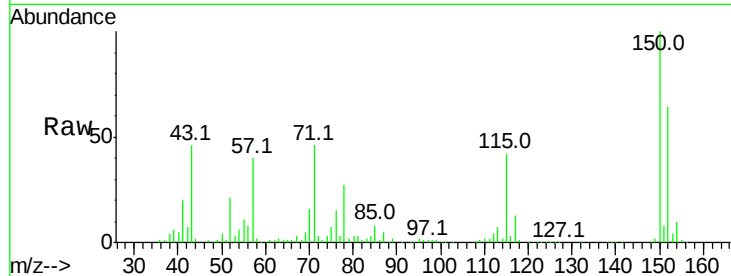


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF103709.D
Acq: 16 Mar 2018 21:07

Instrument :
BNA_F
ClientSampleId :

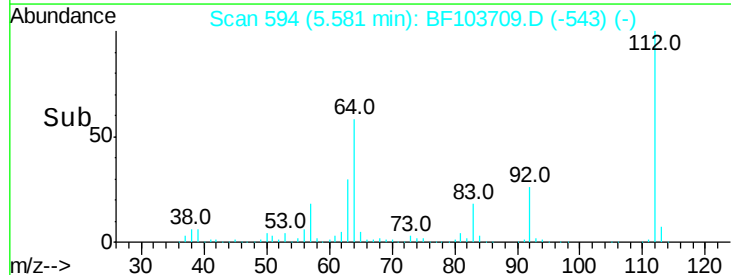
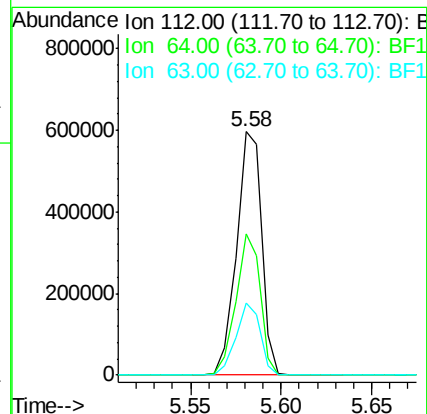
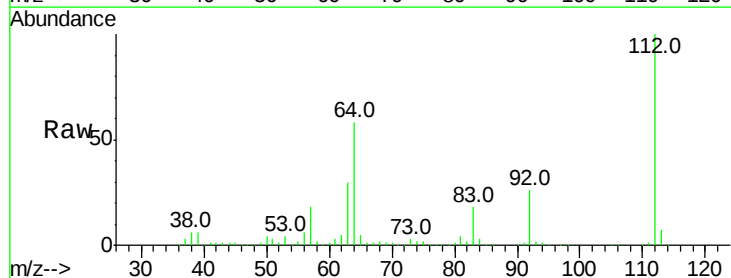
Tot Ion:152 Resp: 161026
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 65.3 50.1 75.1

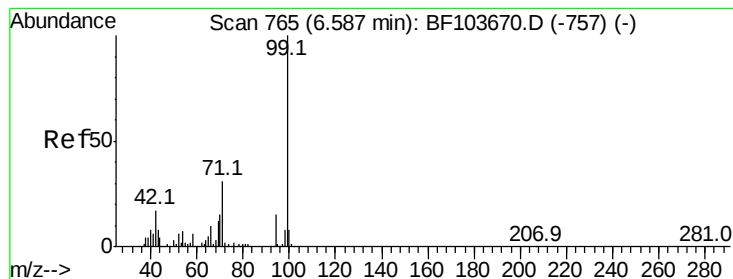


#5

2-Fluorophenol
Concen: 54.197 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.00 min
Lab File: BF103709.D
Acq: 16 Mar 2018 21:07

Tgt Ion:112 Resp: 573779
Ion Ratio Lower Upper
112 100
64 58.1 47.9 71.9
63 29.9 23.7 35.5





#7

Phenol-d6

Concen: 53.362 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF103709.D

Acq: 16 Mar 2018 21:07

Instrument :

BNA_F

ClientSampleId :

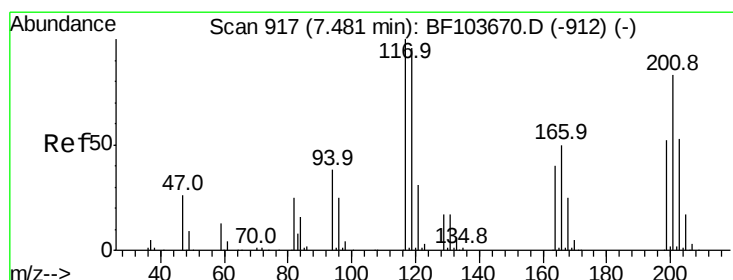
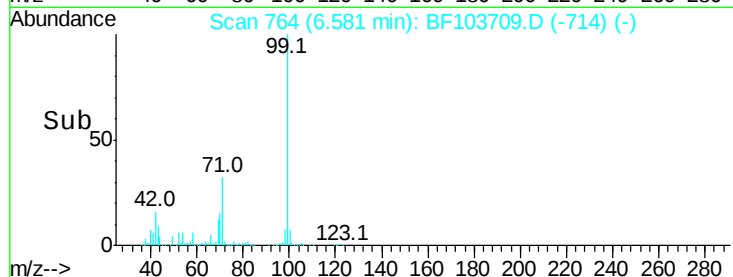
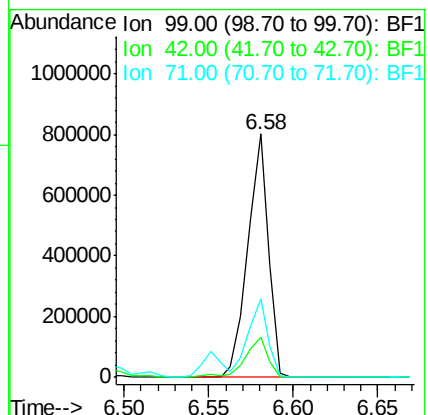
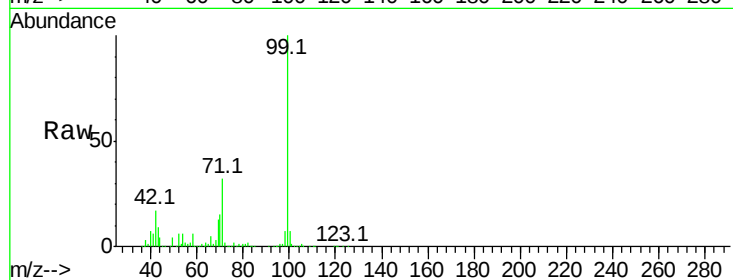
Tot Ion: 99 Resp: 691163

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

71 32.1 25.4 38.0



#18

Hexachloroethane

Concen: 10.366 ng

RT: 7.50 min Scan# 920

Delta R.T. 0.02 min

Lab File: BF103709.D

Acq: 16 Mar 2018 21:07

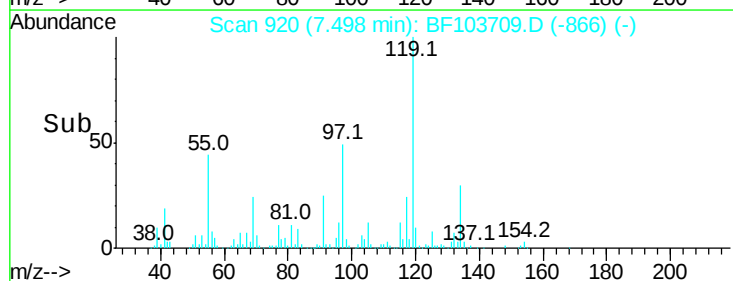
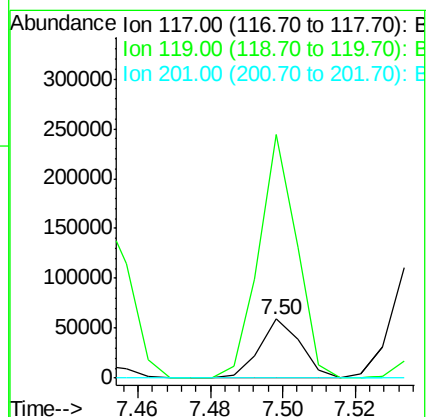
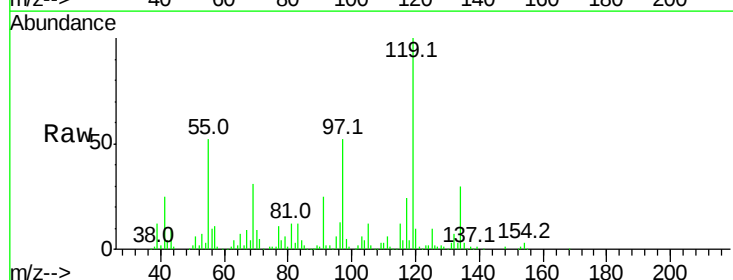
Tgt Ion: 117 Resp: 46281

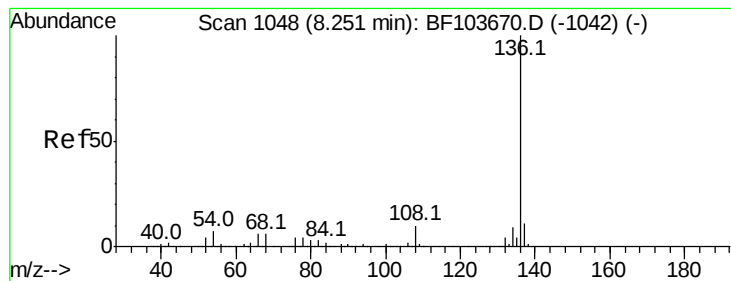
Ion Ratio Lower Upper

117 100

119 414.4 75.8 113.8#

201 0.0 75.7 113.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF103709.D

Acq: 16 Mar 2018 21:07

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 636104

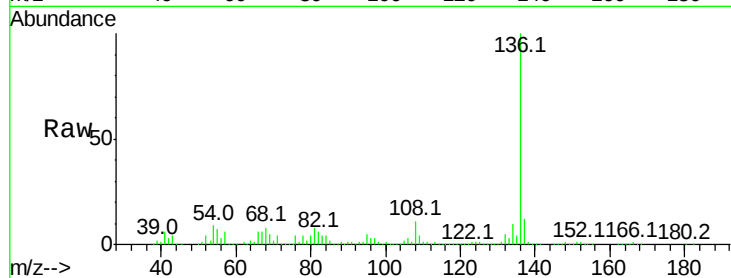
Ion Ratio Lower Upper

136 100

137 11.8 8.9 13.3

54 9.1 6.6 9.8

68 8.1 5.0 7.4#

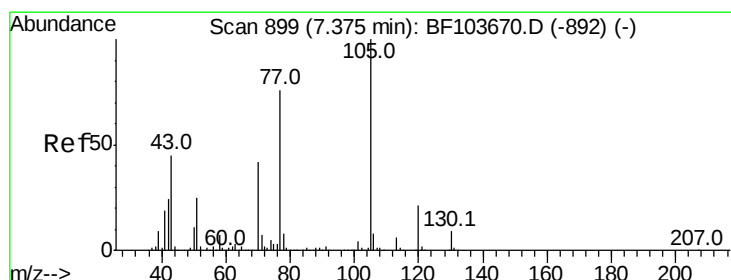
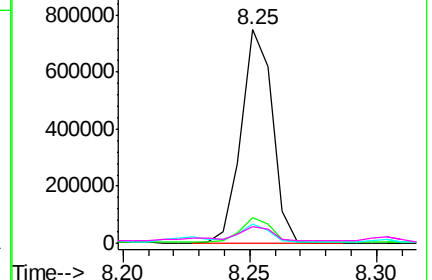
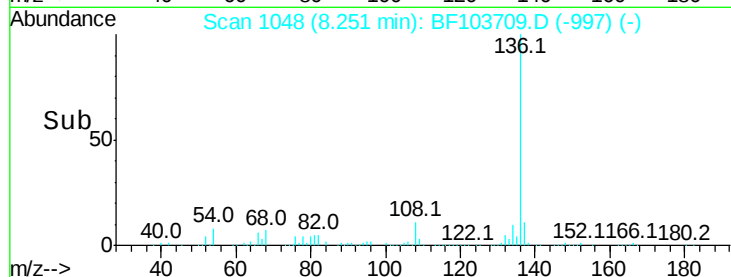


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 8.348 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.02 min

Lab File: BF103709.D

Acq: 16 Mar 2018 21:07

Tgt Ion:105 Resp: 136480

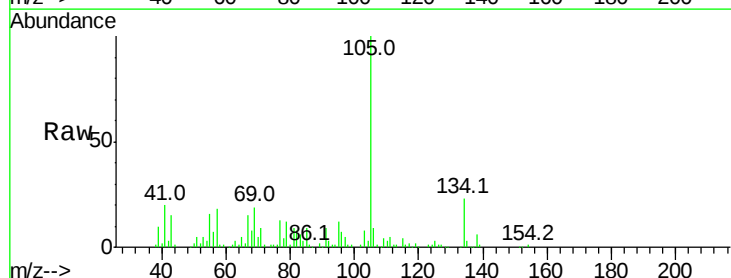
Ion Ratio Lower Upper

105 100

71 9.4 4.4 6.6#

51 4.6 22.3 33.5#

120 0.3 16.9 25.3#

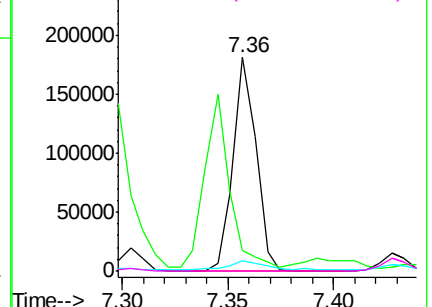
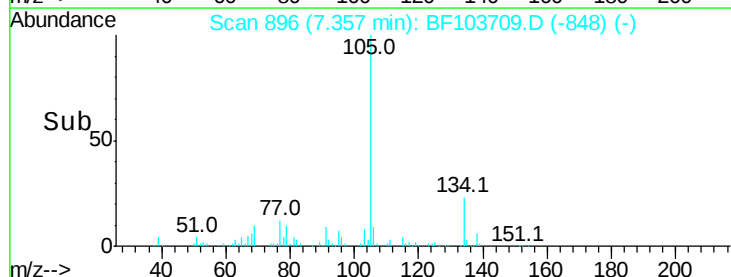


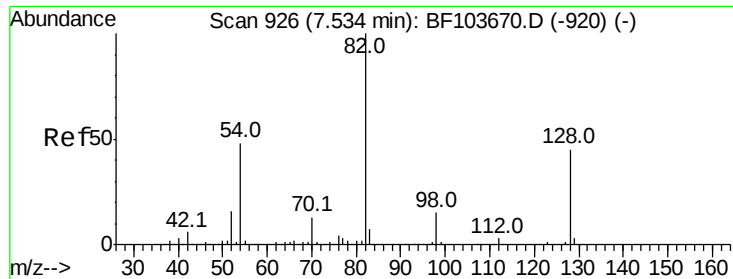
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

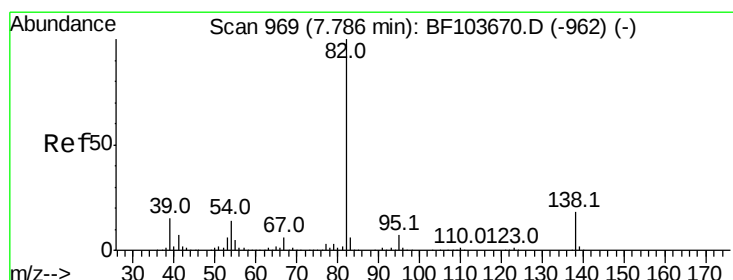
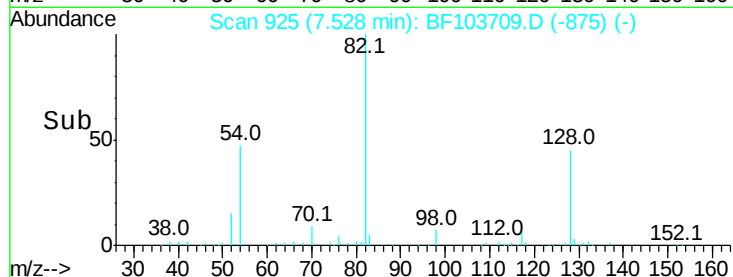
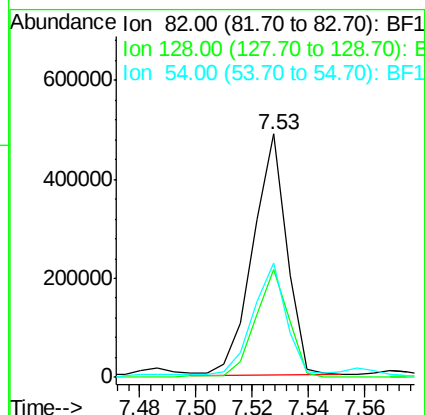
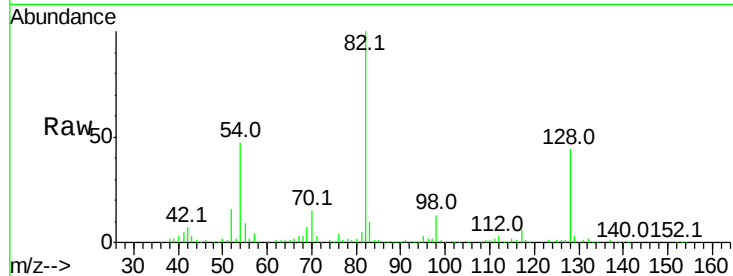




#23
 Nitrobenzene-d5
 Concen: 44.367 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: BF103709.D
 Acq: 16 Mar 2018 21:07

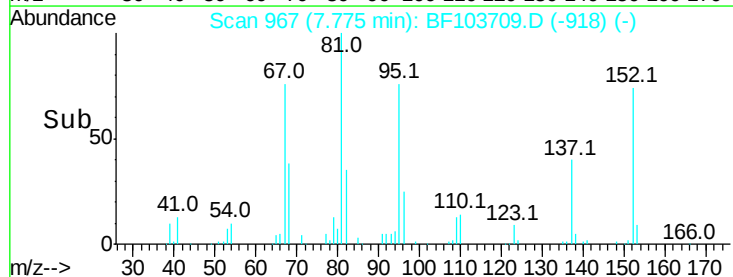
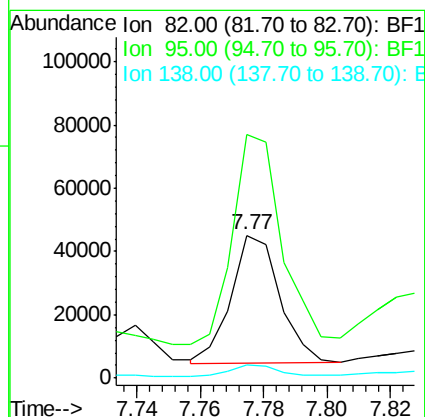
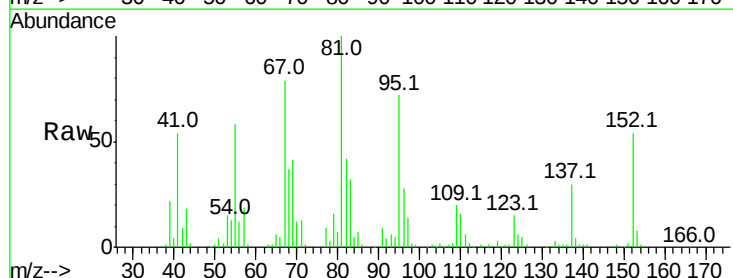
Instrument :
 BNA_F
 ClientSampleId :

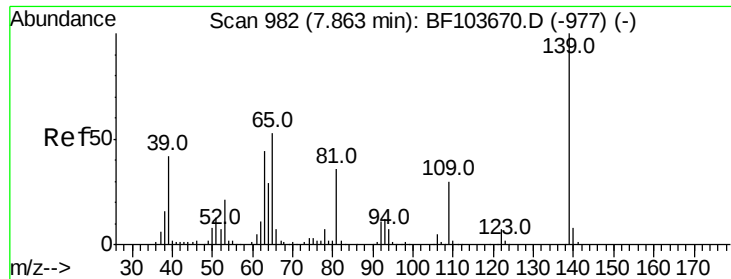
Tot Ion	82	Resp	404695
Ion Ratio	Lower	Upper	
82	100		
128	44.4	36.1	54.1
54	47.2	41.4	62.2



#25
 Isophorone
 Concen: 2.052 ng
 RT: 7.77 min Scan# 967
 Delta R.T. -0.01 min
 Lab File: BF103709.D
 Acq: 16 Mar 2018 21:07

Tgt Ion	82	Resp	43322
Ion Ratio	Lower	Upper	
82	100		
95	170.9	5.2	7.8#
138	8.9	14.9	22.3#

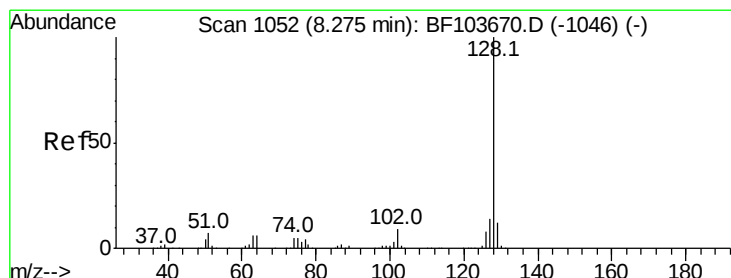
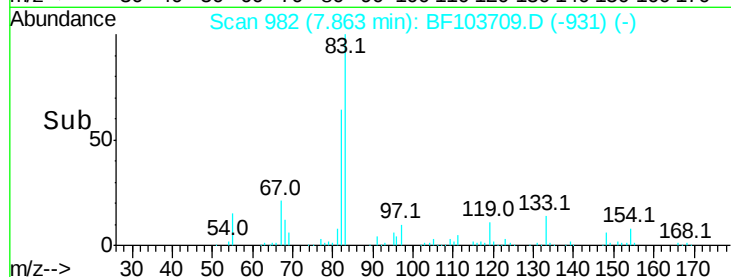
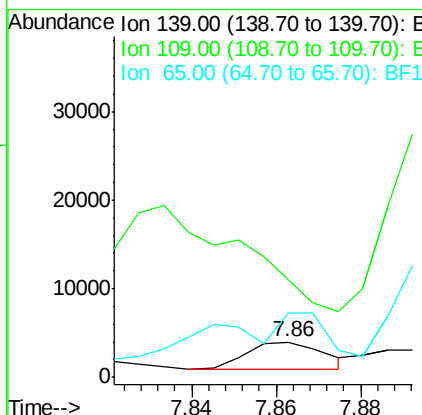
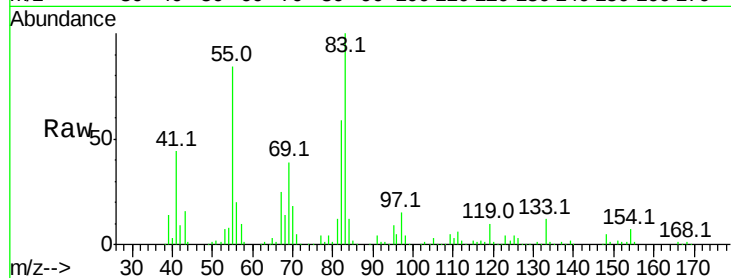




#26
2-Nitrophenol
Concen: 10.234 ng
RT: 7.86 min Scan# 982
Delta R.T. 0.00 min
Lab File: BF103709.D
Acq: 16 Mar 2018 21:07

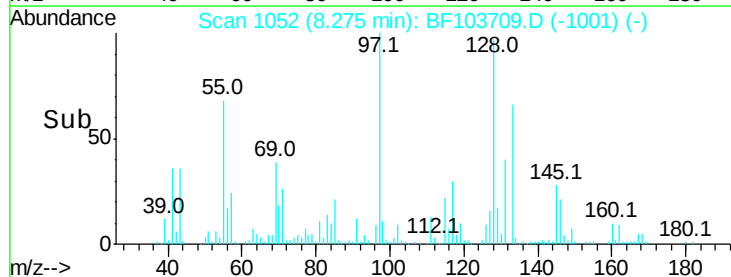
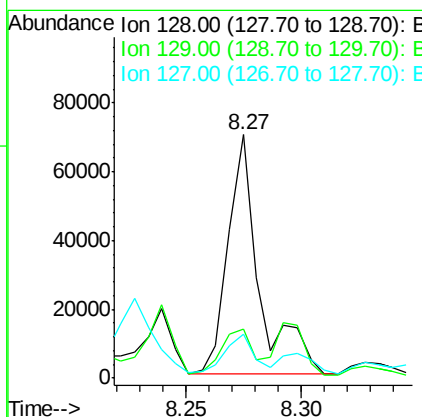
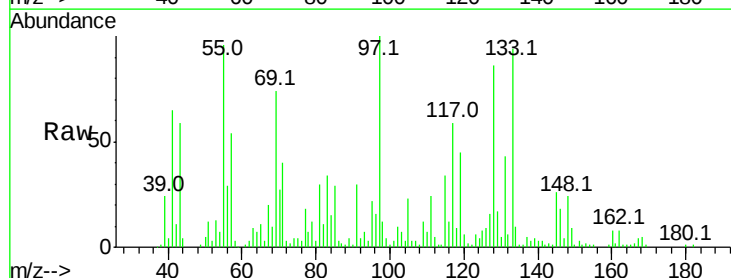
Instrument :
BNA_F
ClientSampled :

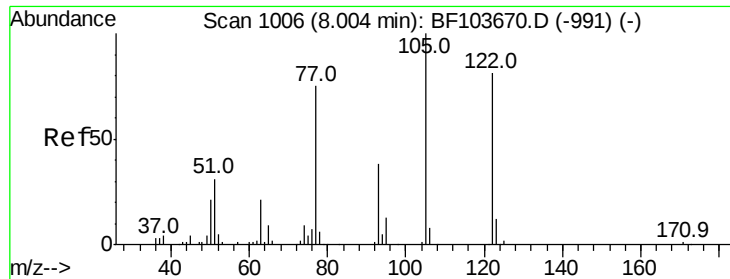
Tot Ion:139 Resp: 3995
Ion Ratio Lower Upper
139 100
109 281.3 22.7 34.1#
65 183.5 40.5 60.7#



#31
Naphthalene
Concen: 2.059 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BF103709.D
Acq: 16 Mar 2018 21:07

Tgt Ion:128 Resp: 66149
Ion Ratio Lower Upper
128 100
129 20.1 8.8 13.2#
127 18.2 10.9 16.3#





#32

Benzoic acid

Concen: 10.528 ng

RT: 8.04 min Scan# 1012

Delta R.T. 0.04 min

Lab File: BF103709.D

Acq: 16 Mar 2018 21:07

Instrument :

BNA_F

ClientSampled :

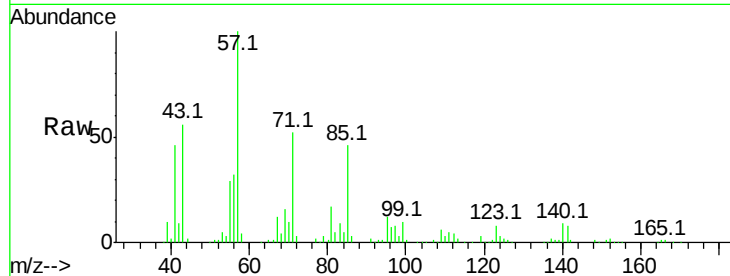
Tot Ion:122 Resp: 5008

Ion Ratio Lower Upper

122 100

105 40.8 101.1 141.1#

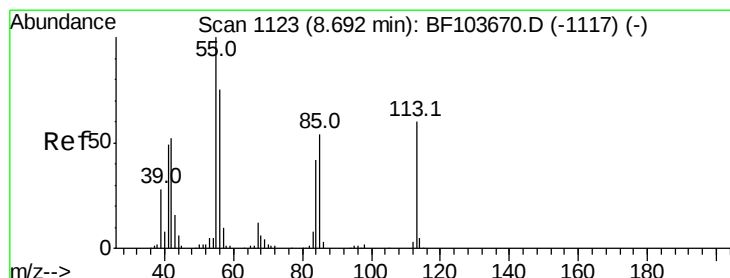
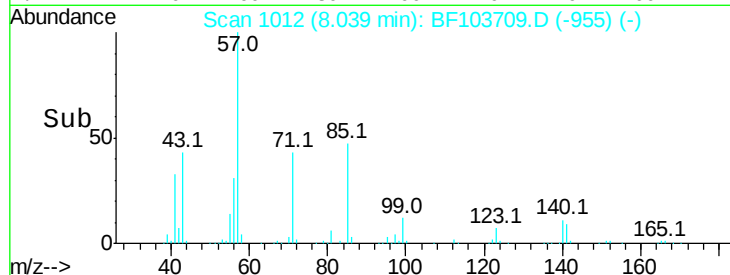
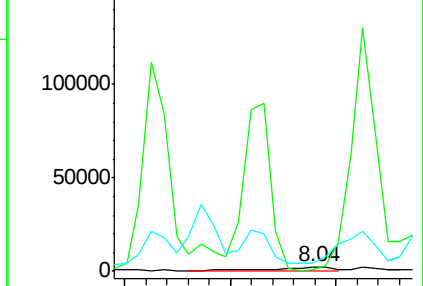
77 183.6 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#35

Caprolactam

Concen: 2.067 ng

RT: 8.69 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BF103709.D

Acq: 16 Mar 2018 21:07

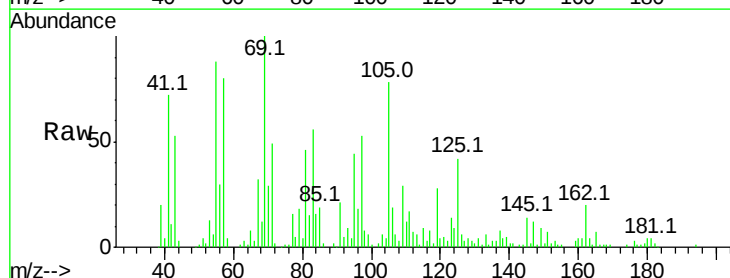
Tgt Ion:113 Resp: 5857

Ion Ratio Lower Upper

113 100

55 1577.0 163.3 203.3#

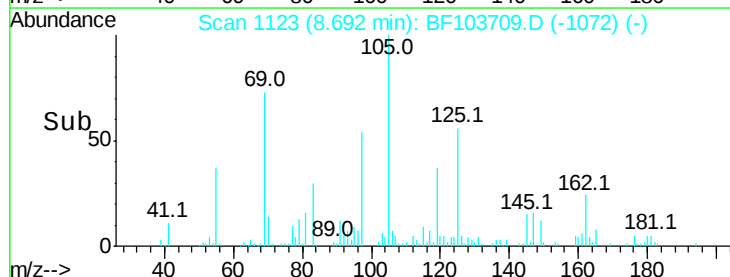
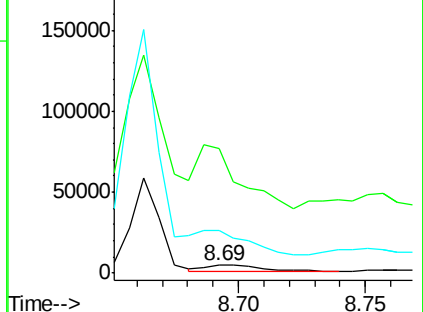
56 532.3 115.7 155.7#

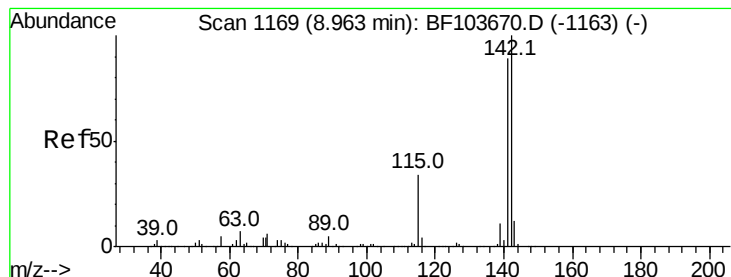


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1

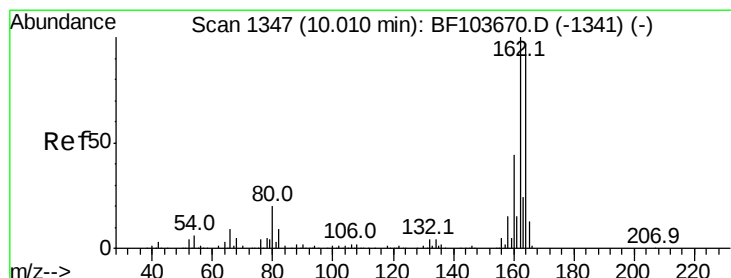
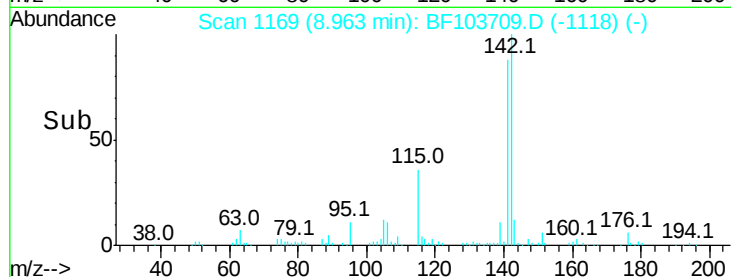
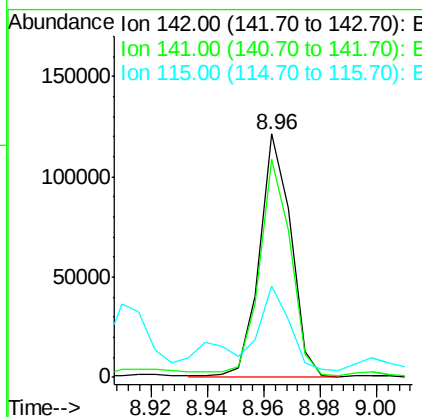
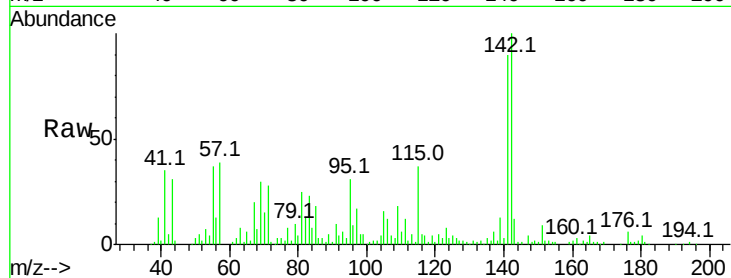




#37
 2-Methylnaphthalene
 Concen: 4.568 ng
 RT: 8.96 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: BF103709.D
 Acq: 16 Mar 2018 21:07

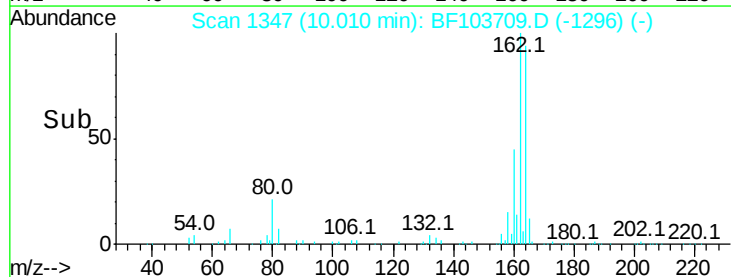
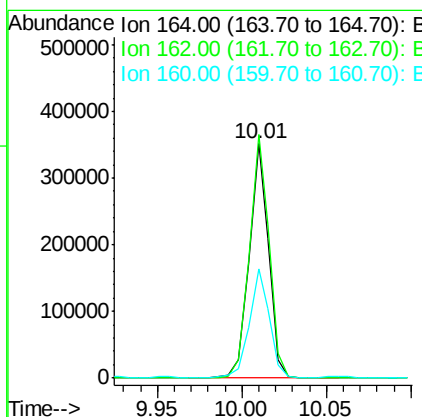
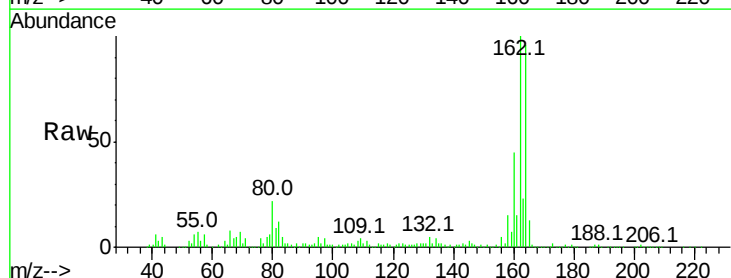
Instrument :
 BNA_F
 ClientSampleId :

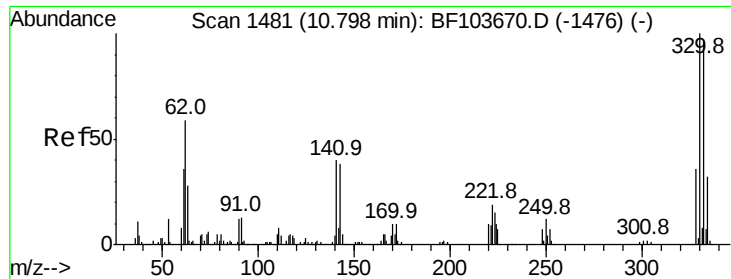
Tot Ion:142 Resp: 93085
 Ion Ratio Lower Upper
 142 100
 141 89.8 70.8 106.2
 115 37.5 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: BF103709.D
 Acq: 16 Mar 2018 21:07

Tgt Ion:164 Resp: 280571
 Ion Ratio Lower Upper
 164 100
 162 104.0 86.1 129.1
 160 46.8 38.3 57.5

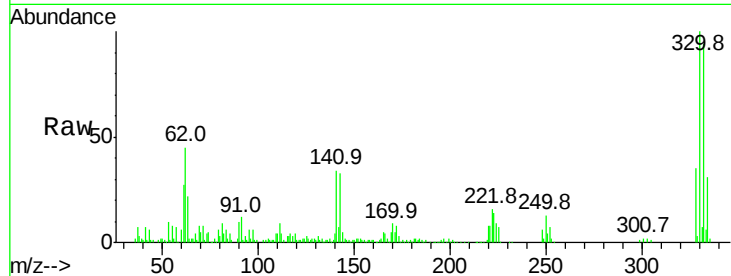




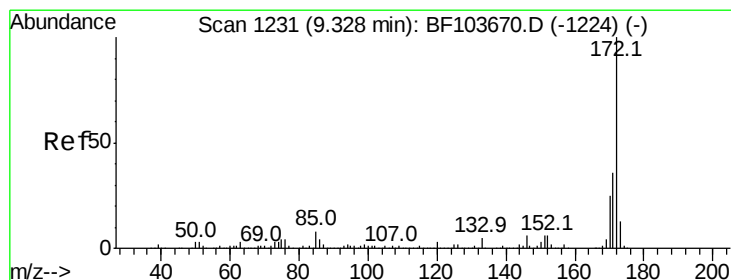
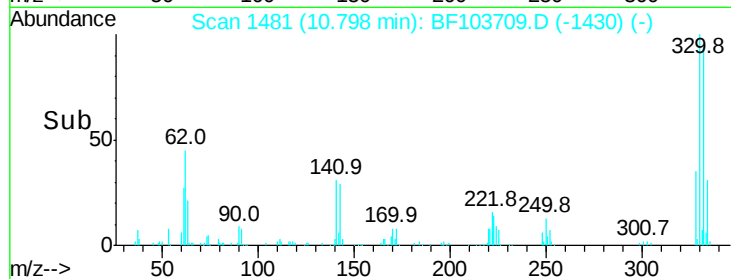
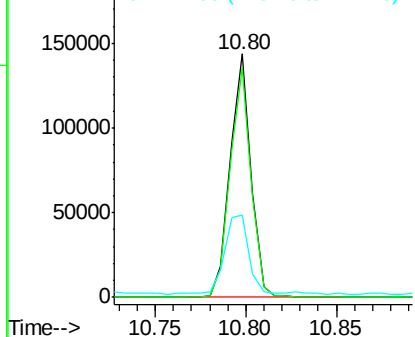
#41
 2,4,6-Tribromophenol
 Concen: 47.781 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: BF103709.D
 Acq: 16 Mar 2018 21:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	77.0	115.6
141	36.9	29.9	44.9

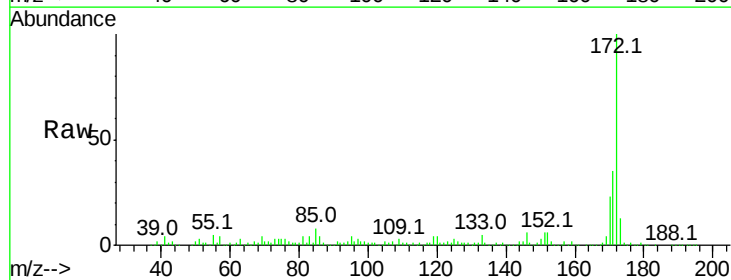


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

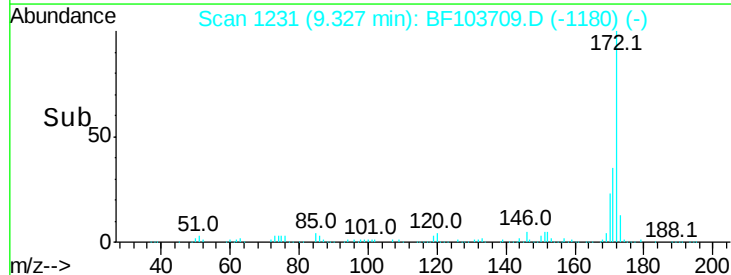
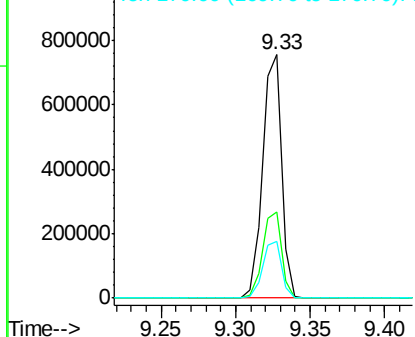


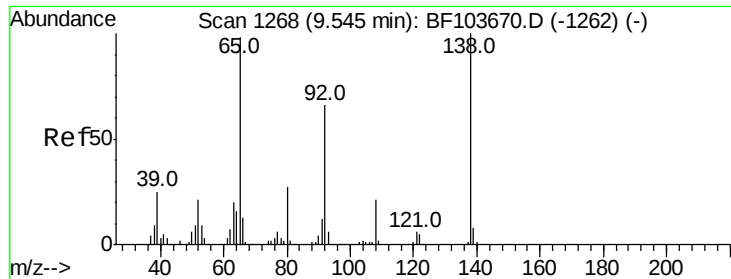
#44
 2-Fluorobiphenyl
 Concen: 37.318 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103709.D
 Acq: 16 Mar 2018 21:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.3	19.6	29.4



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





#47

2-Nitroaniline

Concen: 7.043 ng

RT: 9.56 min Scan# 1271

Delta R.T. 0.02 min

Lab File: BF103709.D

Acq: 16 Mar 2018 21:07

Instrument :

BNA_F

ClientSampled :

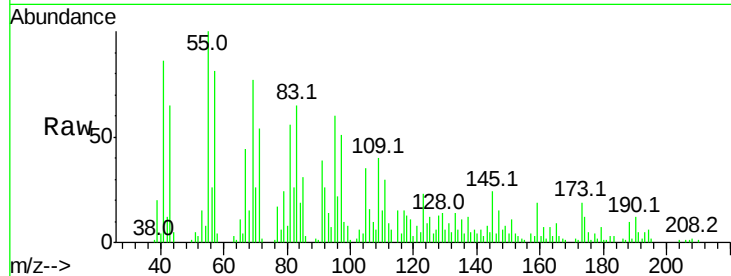
Tot Ion: 65 Resp: 1298

Ion Ratio Lower Upper

65 100

92 241.0 55.8 83.6#

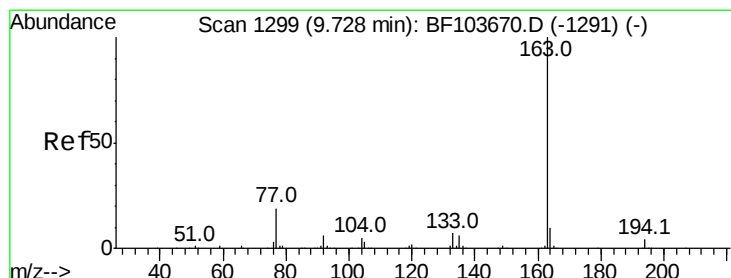
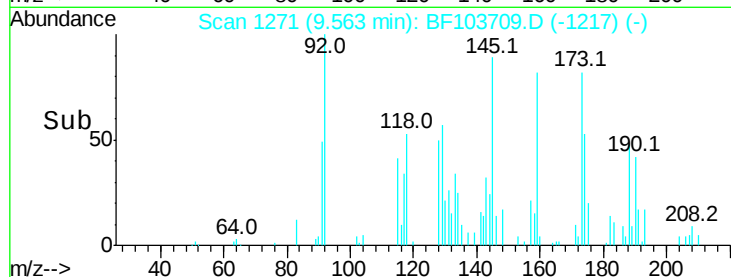
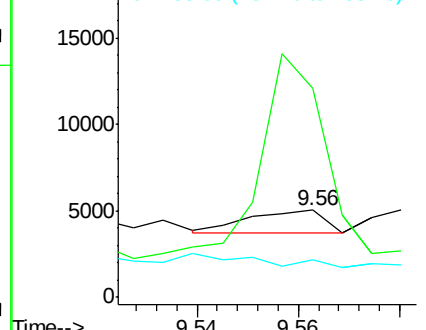
138 42.7 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#49

Dimethylphthalate

Concen: 3.077 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF103709.D

Acq: 16 Mar 2018 21:07

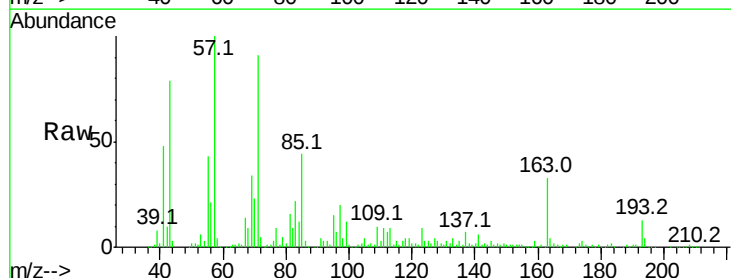
Tgt Ion:163 Resp: 65858

Ion Ratio Lower Upper

163 100

194 11.6 2.7 4.1#

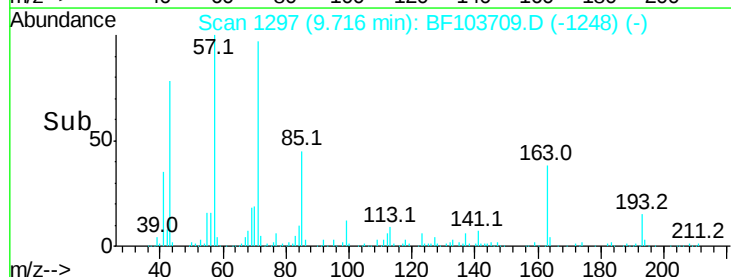
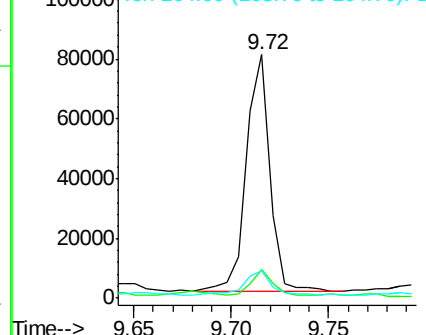
164 11.0 8.2 12.2

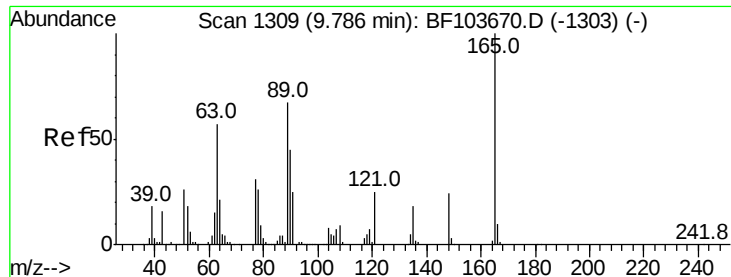


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

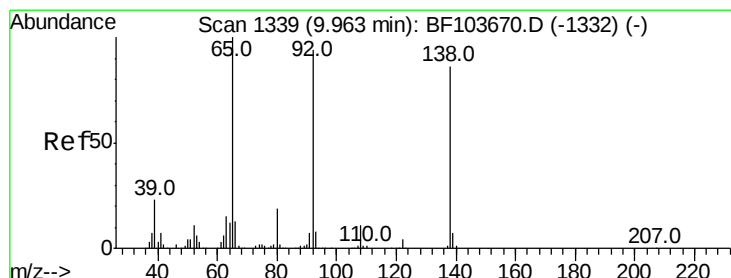
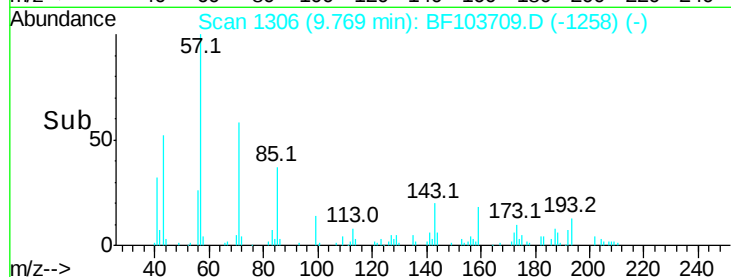
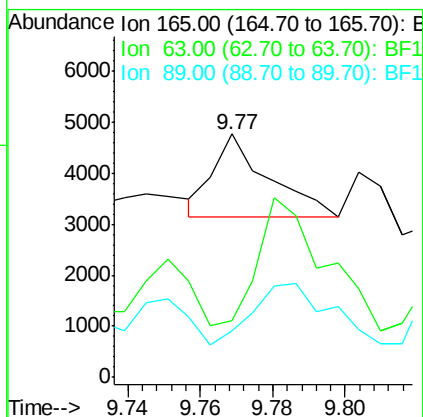
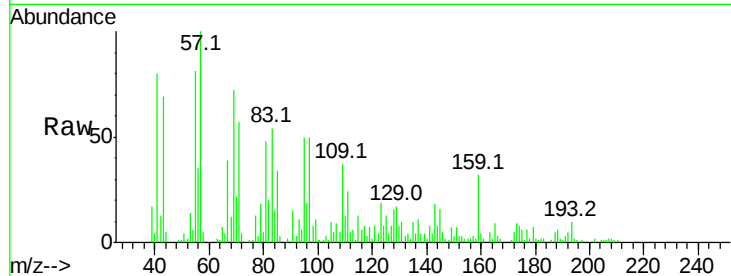




#50
 2,6-Dinitrotoluene
 Concen: 4.362 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.02 min
 Lab File: BF103709.D
 Acq: 16 Mar 2018 21:07

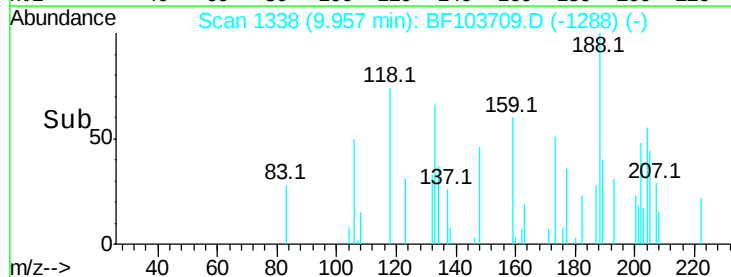
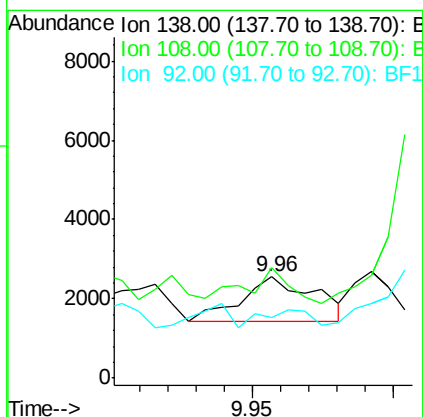
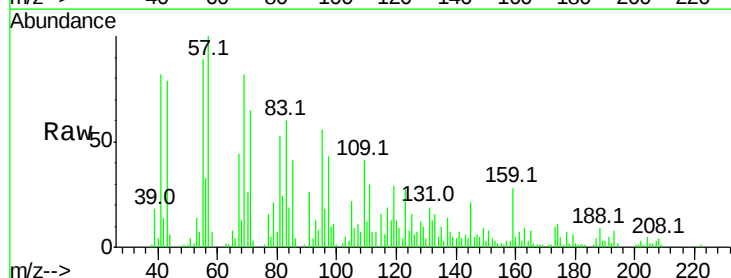
Instrument :
 BNA_F
 ClientSampled :

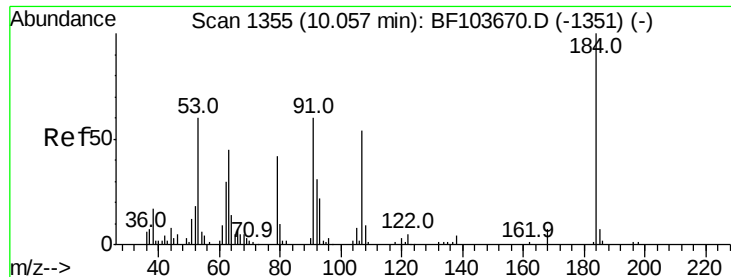
Tot Ion:165 Resp: 1708
 Ion Ratio Lower Upper
 165 100
 63 23.1 44.7 67.1#
 89 18.9 44.0 66.0#



#52
 3-Nitroaniline
 Concen: 4.197 ng
 RT: 9.96 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: BF103709.D
 Acq: 16 Mar 2018 21:07

Tgt Ion:138 Resp: 2064
 Ion Ratio Lower Upper
 138 100
 108 108.4 9.4 14.0#
 92 59.1 89.4 134.2#

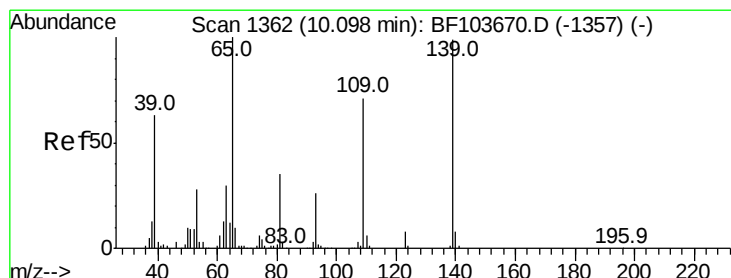
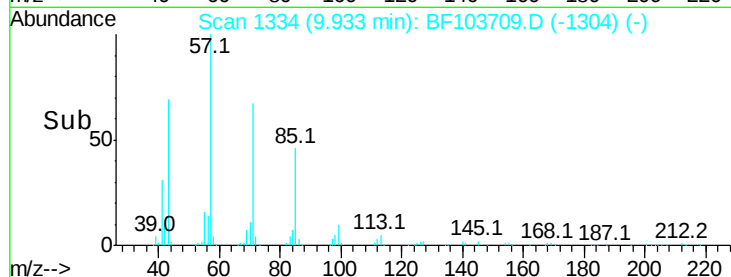
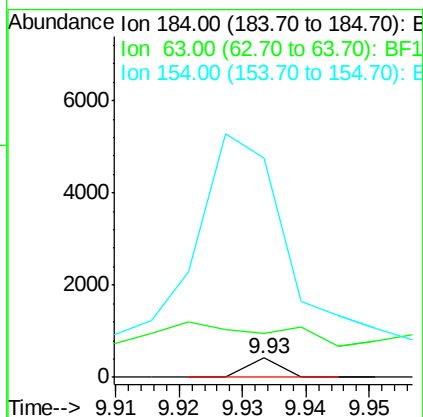
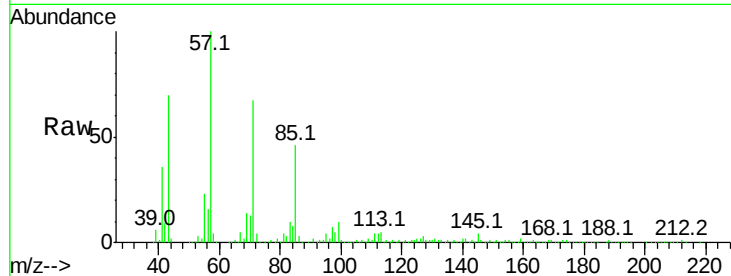




#53
 2,4-Dinitrophenol
 Concen: 6.548 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.12 min
 Lab File: BF103709.D
 Acq: 16 Mar 2018 21:07

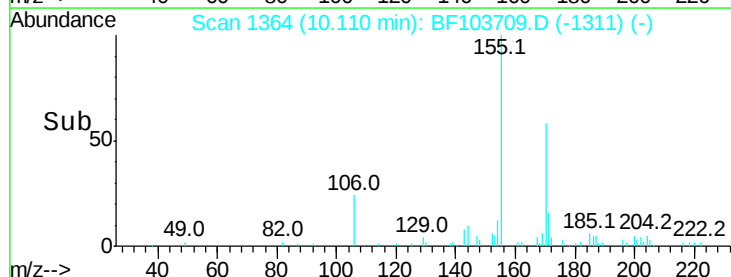
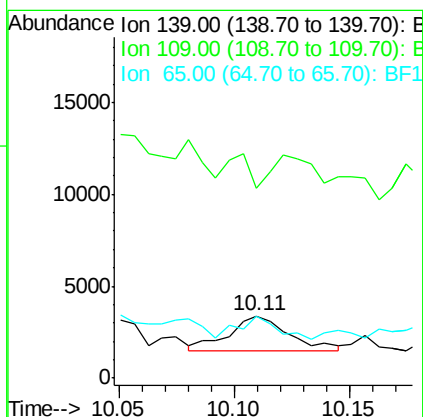
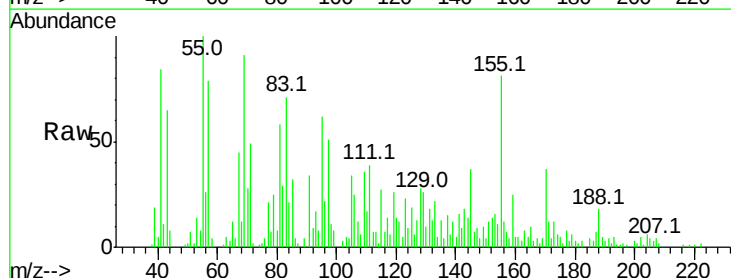
Instrument :
 BNA_F
 ClientSampleId :

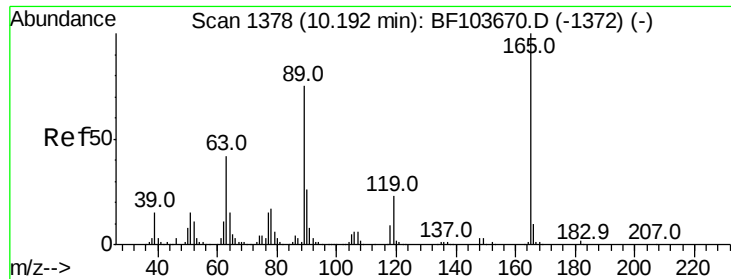
Tot Ion:184 Resp: 147
 Ion Ratio Lower Upper
 184 100
 63 227.9 54.2 81.2#
 154 1141.3 184.0 276.0#



#55
 4-Nitrophenol
 Concen: 5.786 ng
 RT: 10.11 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: BF103709.D
 Acq: 16 Mar 2018 21:07

Tgt Ion:139 Resp: 3411
 Ion Ratio Lower Upper
 139 100
 109 305.3 48.4 88.4#
 65 99.1 72.6 112.6

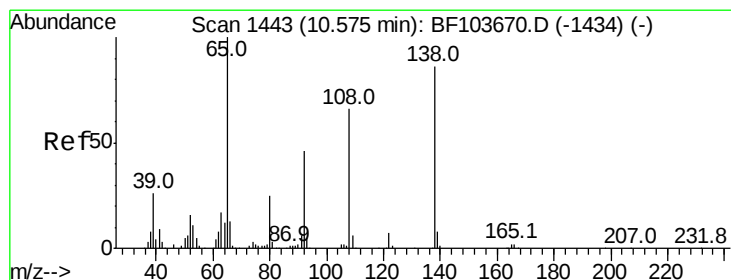
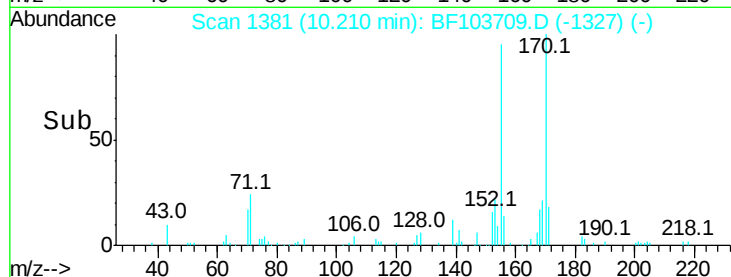
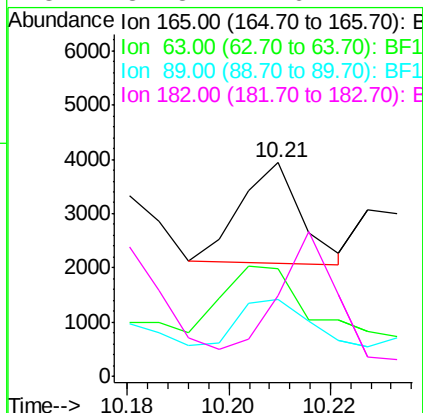
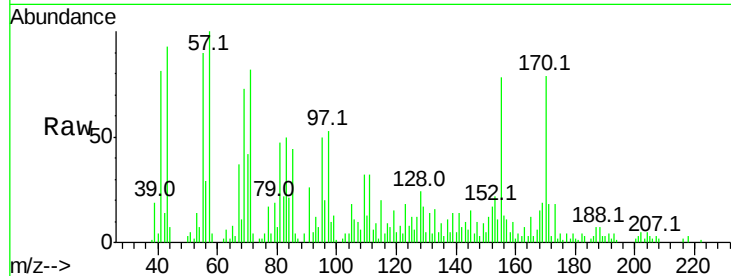




#56
2,4-Dinitrotoluene
Concen: 6.467 ng
RT: 10.21 min Scan# 1381
Delta R.T. 0.02 min
Lab File: BF103709.D
Acq: 16 Mar 2018 21:07

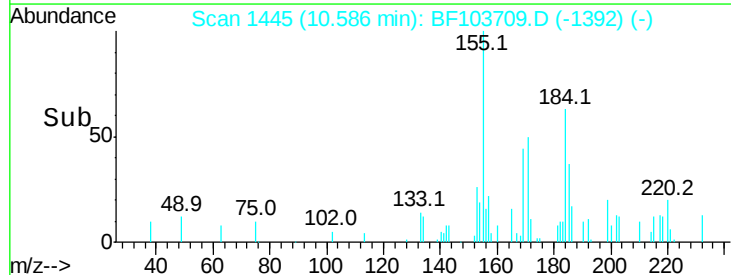
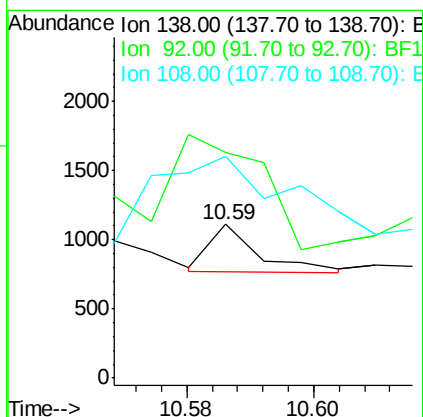
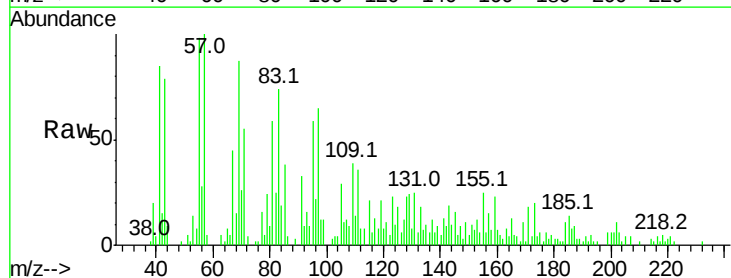
Instrument :
BNA_F
ClientSampleId :

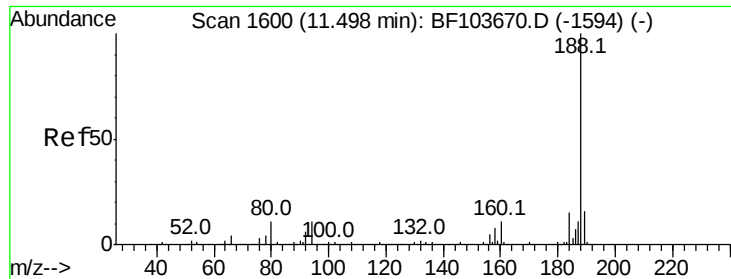
Tot Ion:165 Resp: 1529
Ion Ratio Lower Upper
165 100
63 50.1 36.4 54.6
89 36.0 57.8 86.6#
182 37.8 1.6 2.4#



#61
4-Nitroaniline
Concen: 3.784 ng
RT: 10.59 min Scan# 1445
Delta R.T. 0.01 min
Lab File: BF103709.D
Acq: 16 Mar 2018 21:07

Tgt Ion:138 Resp: 182
Ion Ratio Lower Upper
138 100
92 147.0 30.2 70.2#
108 143.8 52.5 92.5#

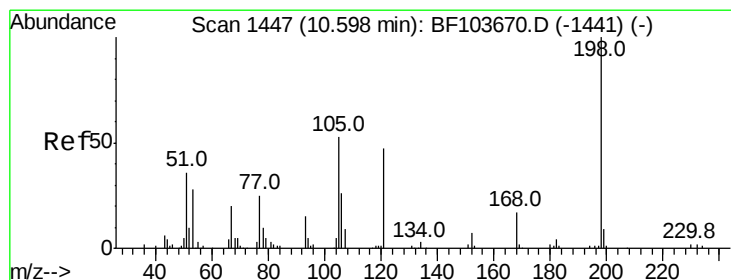
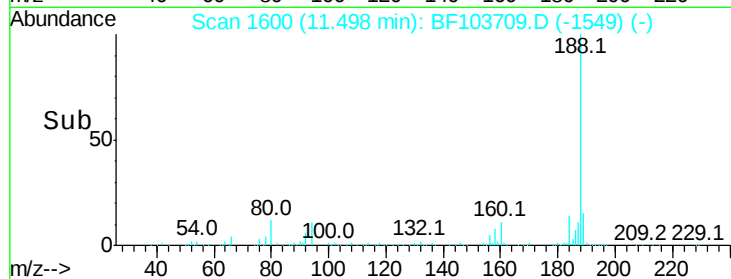
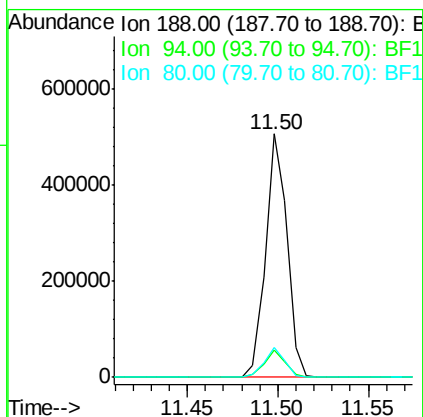
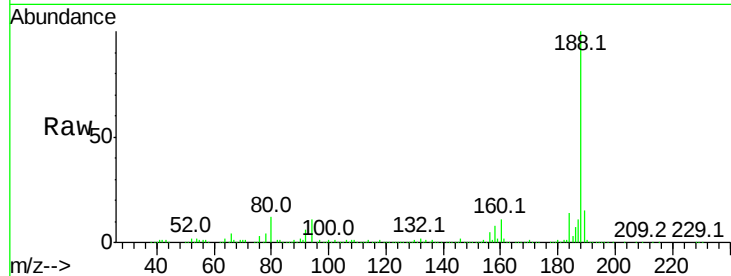




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF103709.D
Acq: 16 Mar 2018 21:07

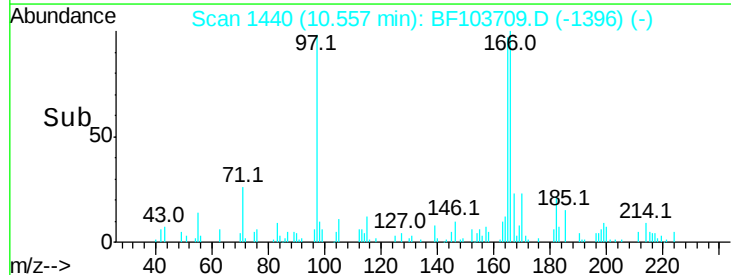
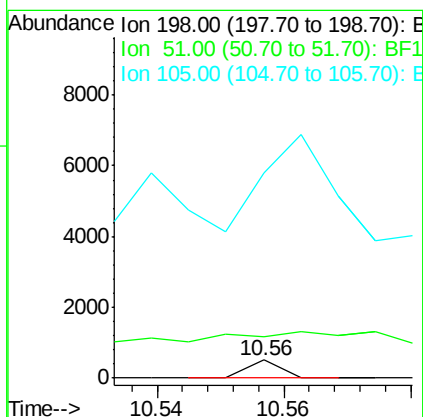
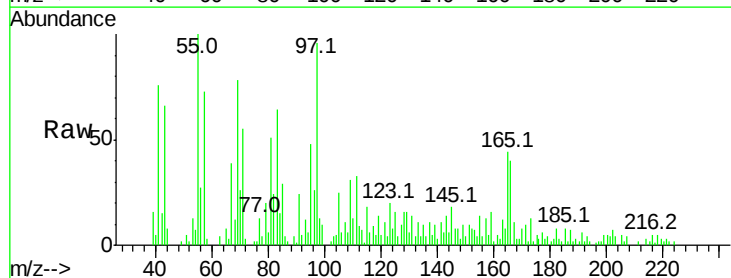
Instrument :
BNA_F
ClientSampleId :

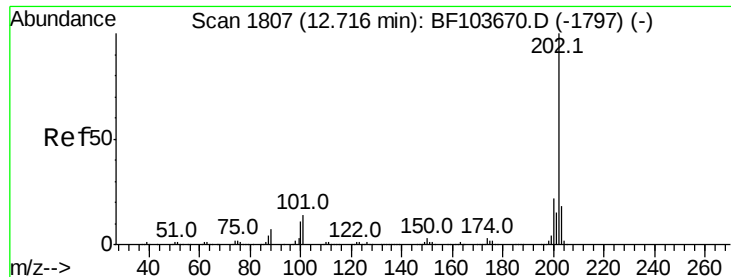
Tot Ion:188 Resp: 415504
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 12.2 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.244 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.04 min
Lab File: BF103709.D
Acq: 16 Mar 2018 21:07

Tgt Ion:198 Resp: 178
Ion Ratio Lower Upper
198 100
51 235.4 37.7 77.7#
105 1156.1 36.3 76.3#





#74

Fluoranthene

Concen: 2.760 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.00 min

Lab File: BF103709.D

Acq: 16 Mar 2018 21:07

Instrument :

BNA_F

ClientSampleId :

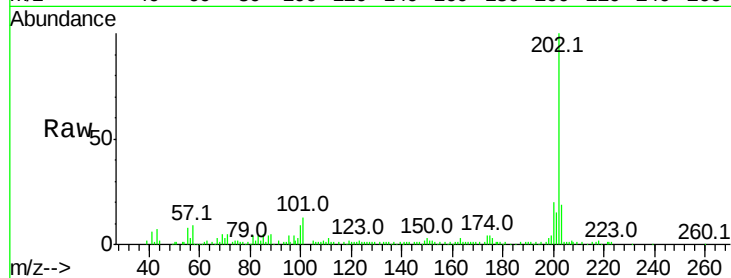
Tot Ion:202 Resp: 64631

Ion Ratio Lower Upper

202 100

101 12.6 0.0 34.1

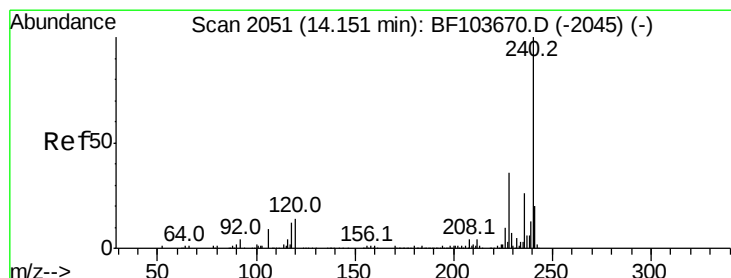
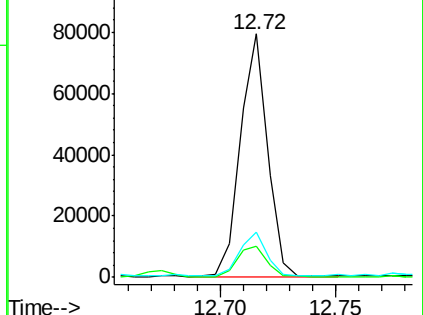
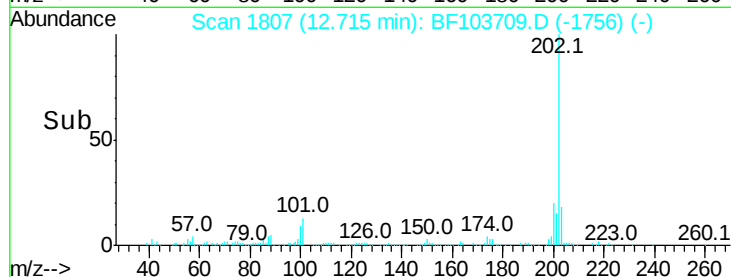
203 18.5 0.0 38.1



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: 14.15 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BF103709.D

Acq: 16 Mar 2018 21:07

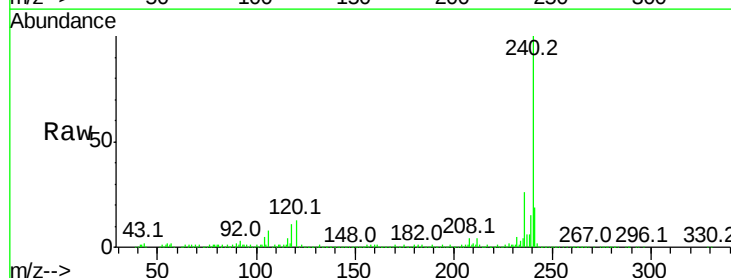
Tgt Ion:240 Resp: 335366

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

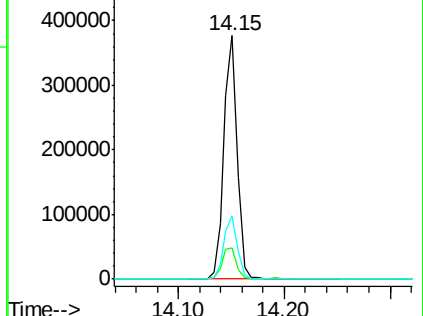
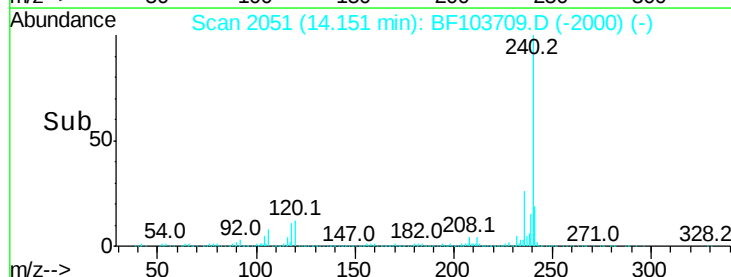
236 25.9 20.7 31.1

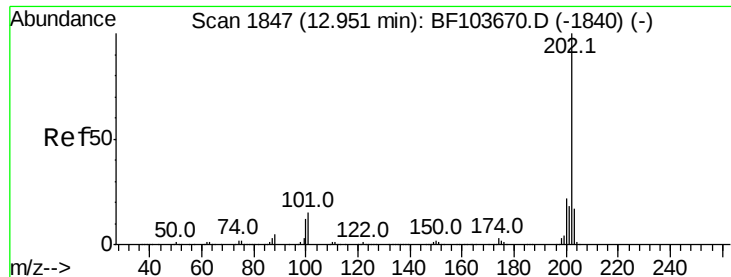


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.426 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF103709.D

Acq: 16 Mar 2018 21:07

Instrument :

BNA_F

ClientSampleId :

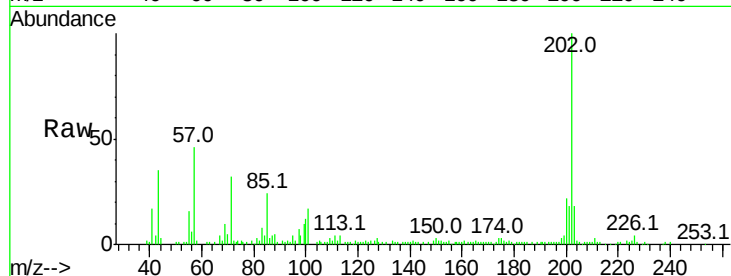
Tot Ion:202 Resp: 59754

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

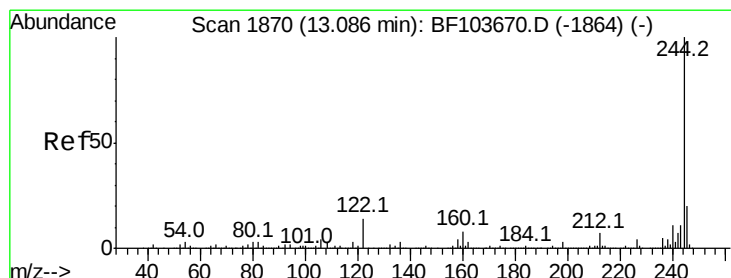
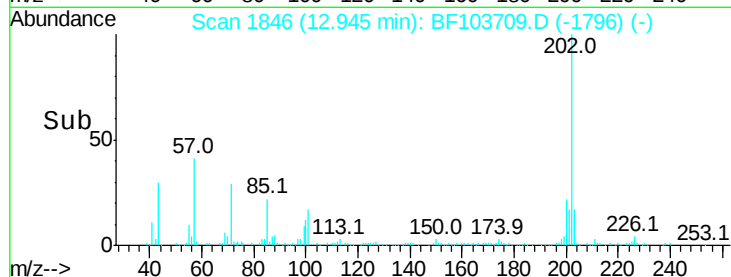
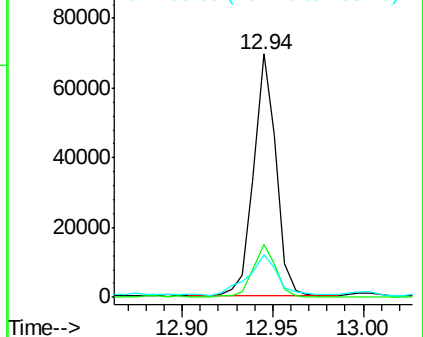
203 17.6 14.3 21.5



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: 31.102 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.00 min

Lab File: BF103709.D

Acq: 16 Mar 2018 21:07

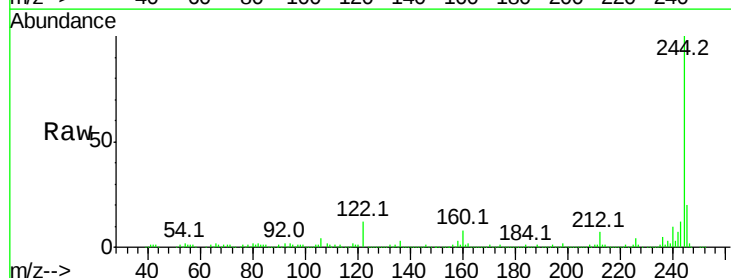
Tgt Ion:244 Resp: 449372

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

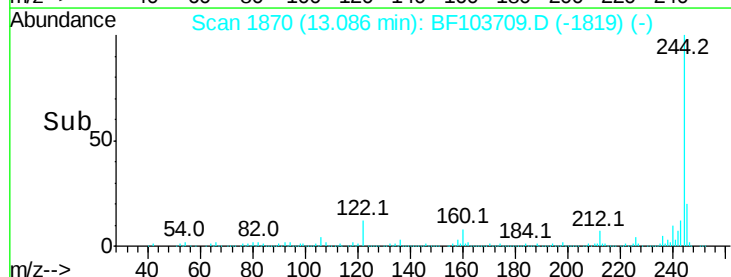
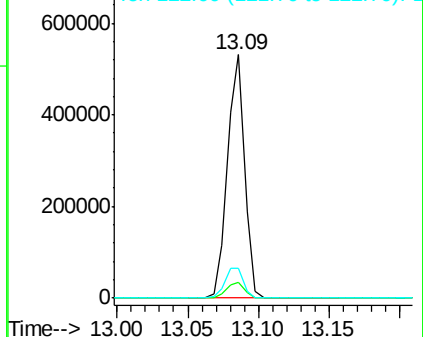
122 12.4 11.0 16.4

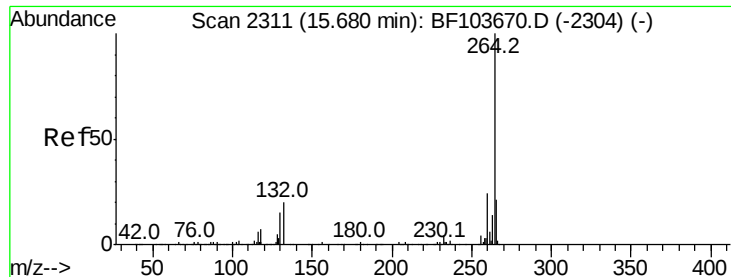


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

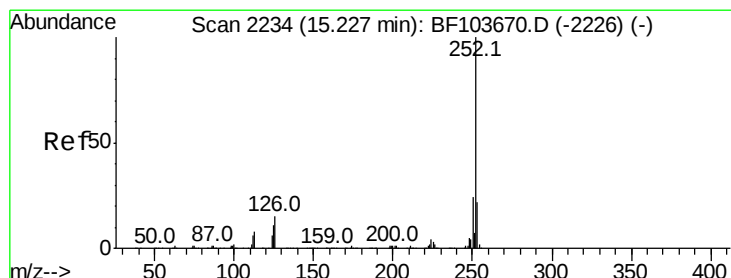
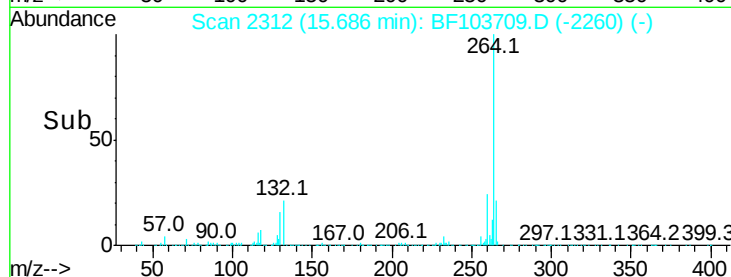
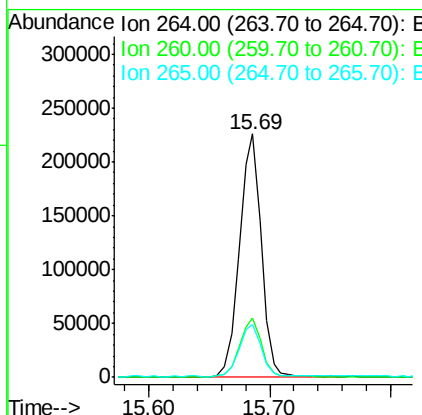
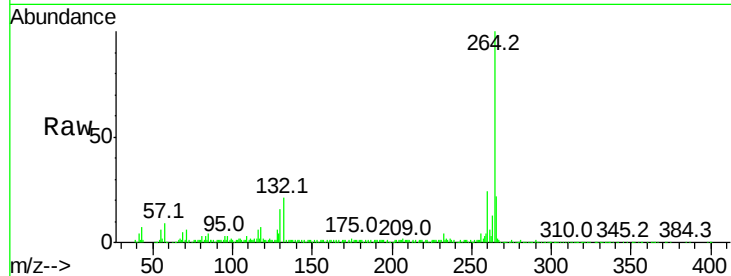




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2312
Delta R.T. 0.01 min
Lab File: BF103709.D
Acq: 16 Mar 2018 21:07

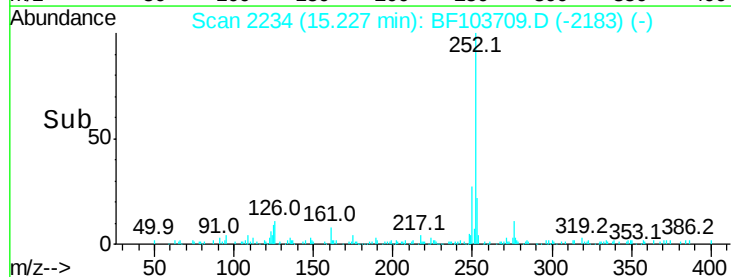
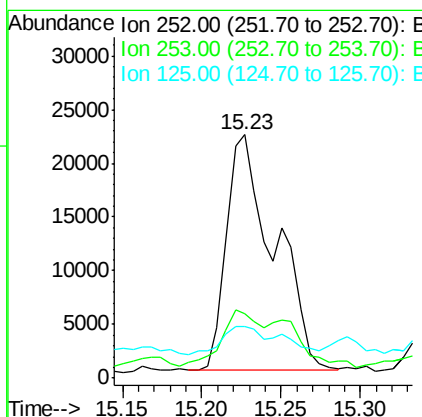
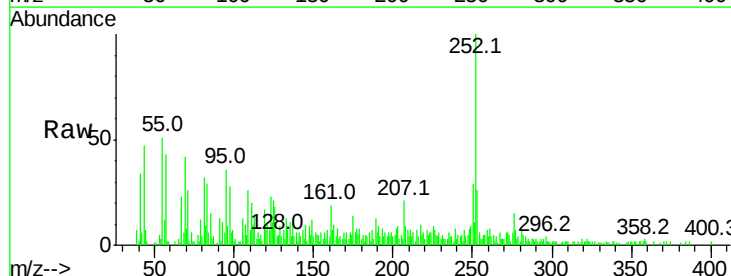
Instrument :
BNA_F
ClientSampleId :

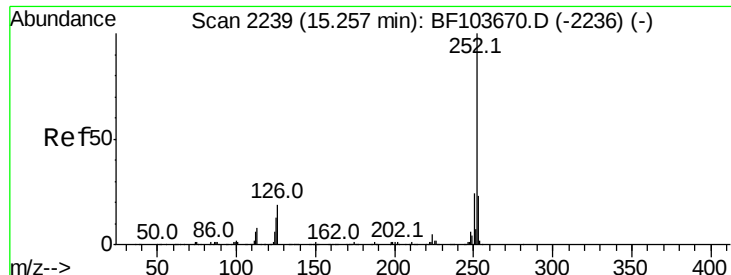
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.5	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 2.579 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.00 min
Lab File: BF103709.D
Acq: 16 Mar 2018 21:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.0	25.6#
125	21.1	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 2.683 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.03 min

Lab File: BF103709.D

Acq: 16 Mar 2018 21:07

Instrument :

BNA_F

ClientSampleId :

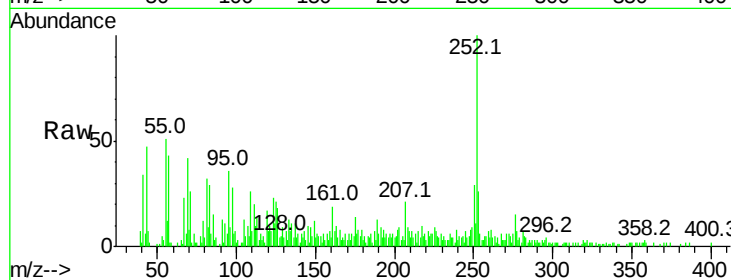
Tot Ion:252 Resp: 46181

Ion Ratio Lower Upper

252 100

253 26.4 17.9 26.9

125 21.1 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

