

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
 Data File : BF102997.D
 Acq On : 14 Feb 2018 18:46
 Operator : SJ/JU
 Sample : J1539-18
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 15 00:07:45 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 00:38:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	168857	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	687297	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	259244	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	327867	20.00	ng	0.00
75) Chrysene-d12	14.06	240	195183	20.00	ng	0.02
86) Perylene-d12	15.57	264	165888	20.00	ng	0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1014216	91.22	ng	0.01
7) Phenol-d6	6.50	99	1219417	91.08	ng	0.00
23) Nitrobenzene-d5	7.44	82	779296	78.66	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	174527	83.64	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1077235	68.95	ng	0.00
78) Terphenyl-d14	13.00	244	558363	67.74	ng	0.01

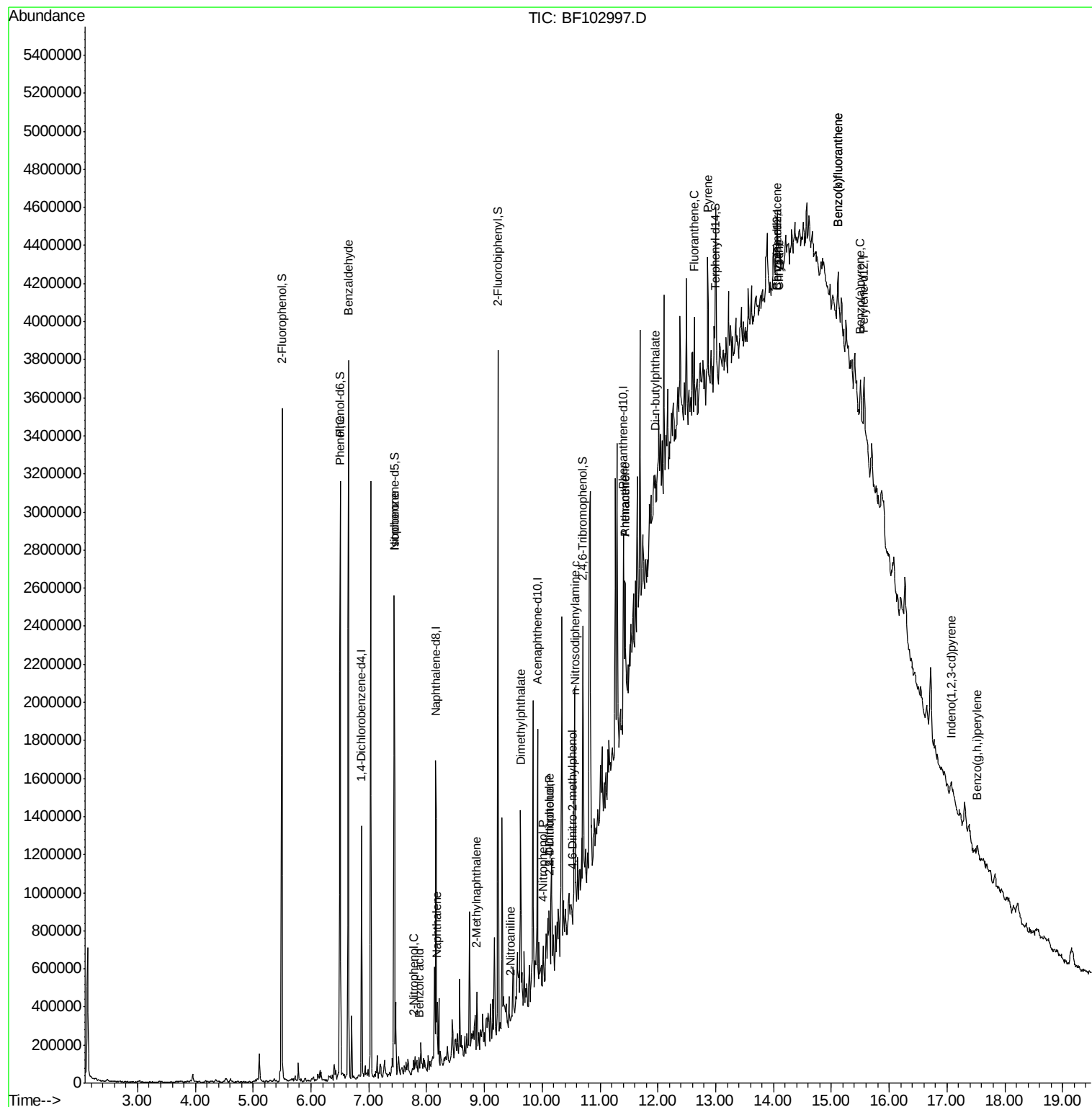
Target Compounds				Qvalue		
9) Benzaldehyde	6.65	77	22112	2.22	ng	83
10) Phenol	6.52	94	48008	3.35	ng	87
25) Isophorone	7.44	82	779852	34.18	ng	# 64
26) 2-Nitrophenol	7.77	139	979	8.83	ng	# 1
31) Naphthalene	8.18	128	88707	2.64	ng	99
32) Benzoic acid	7.88	122	375	8.60	ng	# 1
37) 2-Methylnaphthalene	8.87	142	80356	3.66	ng	97
47) 2-Nitroaniline	9.45	65	861	3.62	ng	# 59
49) Dimethylphthalate	9.62	163	101807	5.04	ng	# 97
53) 2,4-Dinitrophenol	10.13	184	158	8.15	ng	# 1
55) 4-Nitrophenol	10.02	139	5443	5.35	ng	# 1
56) 2,4-Dinitrotoluene	10.12	165	1597	3.37	ng	# 50
64) 4,6-Dinitro-2-methylphenol	10.52	198	503	9.13	ng	# 1
65) n-Nitrosodiphenylamine	10.57	169	36460	3.15	ng	# 48
70) Phenanthrene	11.43	178	261293	14.31	ng	98
71) Anthracene	11.43	178	261293	14.07	ng	97
73) Di-n-butylphthalate	11.96	149	44641	2.02	ng	# 81
74) Fluoranthene	12.63	202	241874	13.17	ng	96
77) Pyrene	12.86	202	228505	14.93	ng	97
80) Benzo(a)anthracene	14.05	228	99332	8.09	ng	# 90
82) Chrysene	14.09	228	113976	9.21	ng	# 90
85) Indeno(1,2,3-cd)pyrene	17.07	276	45802	4.46	ng	97
87) Benzo(b)fluoranthene	15.12	252	127032	11.81	ng	# 20
88) Benzo(k)fluoranthene	15.12	252	126600	12.32	ng	# 23
89) Benzo(a)pyrene	15.50	252	62154	6.42	ng	# 15
91) Benzo(g,h,i)perylene	17.53	276	48668	6.33	ng	# 86

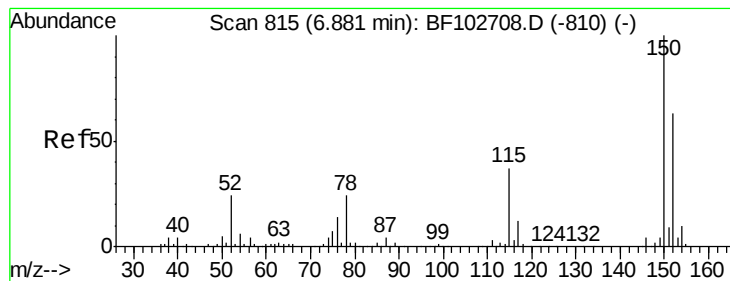
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.87 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

Instrument :

BNA_F

ClientSampleId :

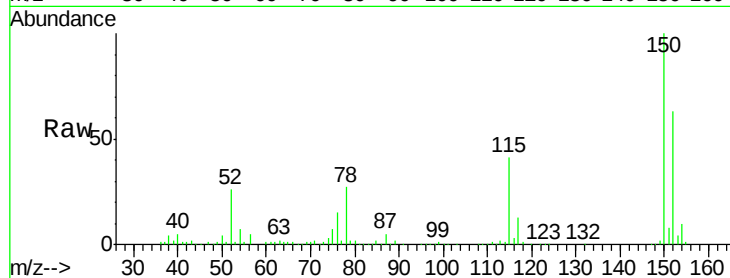
Tot Ion:152 Resp: 168857

Ion Ratio Lower Upper

152 100

150 159.9 124.6 186.8

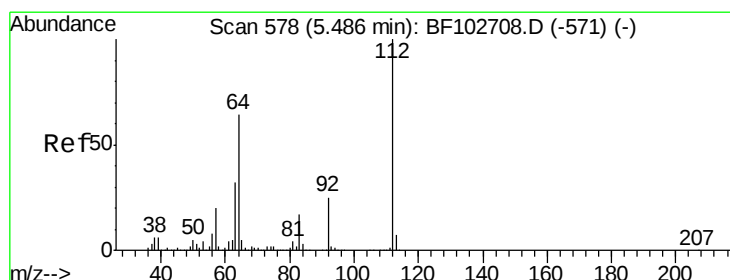
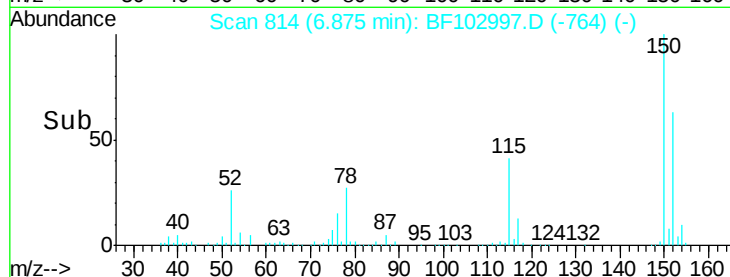
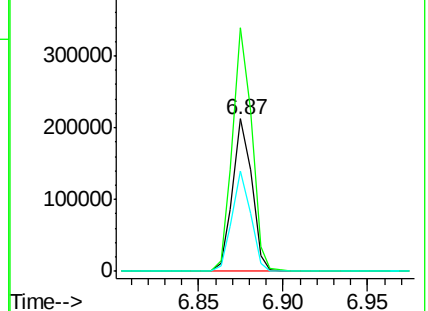
115 65.4 50.1 75.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 91.22 ng

RT: 5.50 min Scan# 580

Delta R.T. 0.01 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

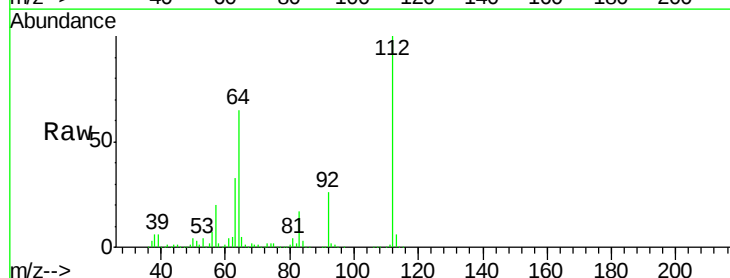
Tgt Ion:112 Resp: 1014216

Ion Ratio Lower Upper

112 100

64 64.5 47.9 71.9

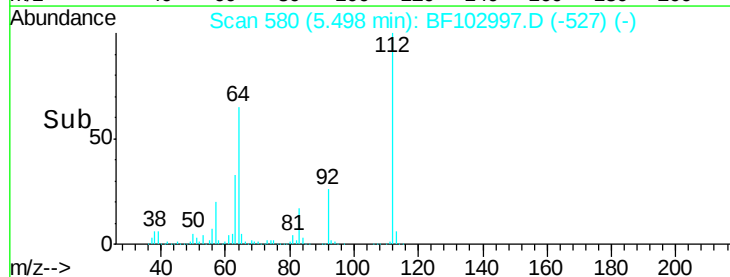
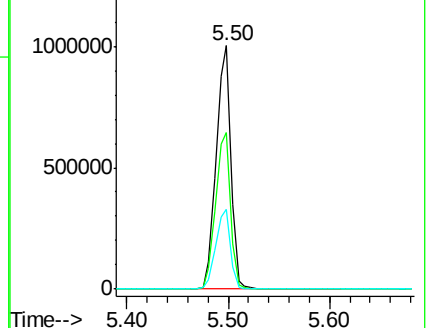
63 32.6 23.7 35.5

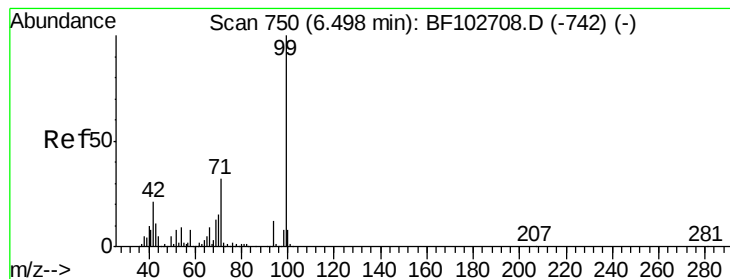


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 91.08 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

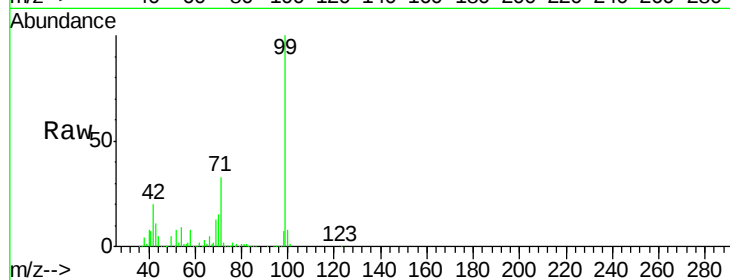
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1219417

Ion	Ratio	Lower	Upper
99	100		
42	20.1	14.5	21.7
71	33.5	25.4	38.0

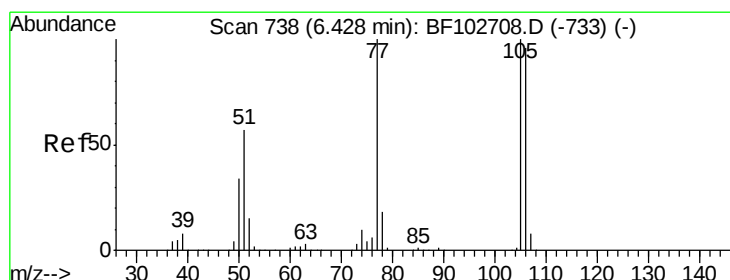
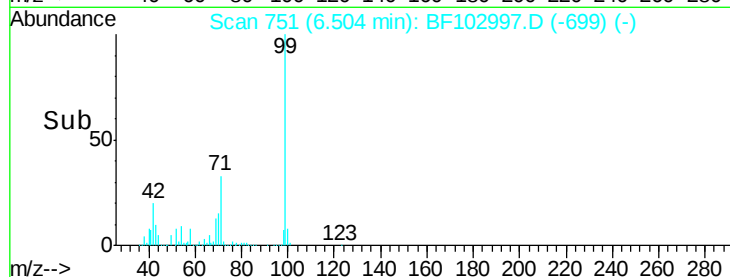


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.22 ng

RT: 6.65 min Scan# 775

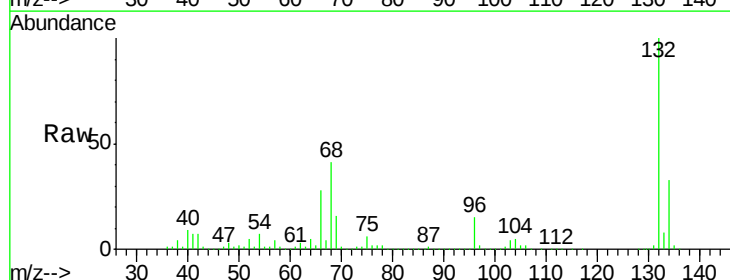
Delta R.T. 0.22 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

Tgt Ion: 77 Resp: 22112

Ion	Ratio	Lower	Upper
77	100		
105	84.7	81.1	121.1
106	77.1	74.5	114.5

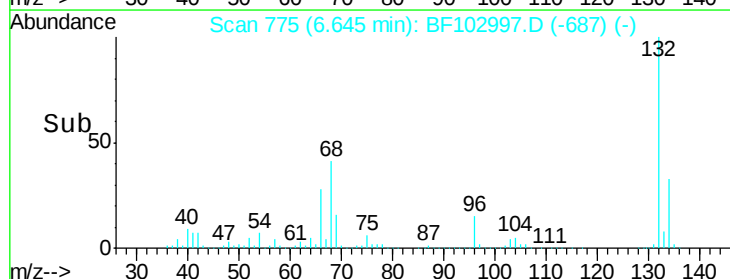


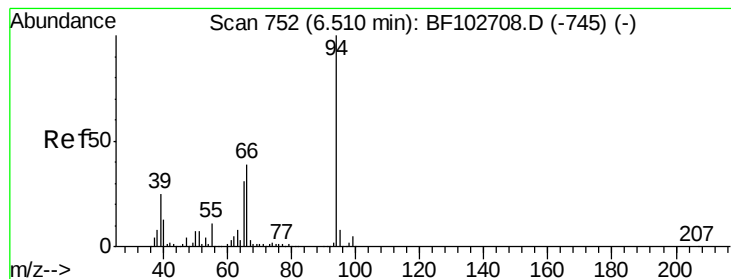
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.35 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

Instrument :

BNA_F

ClientSampled :

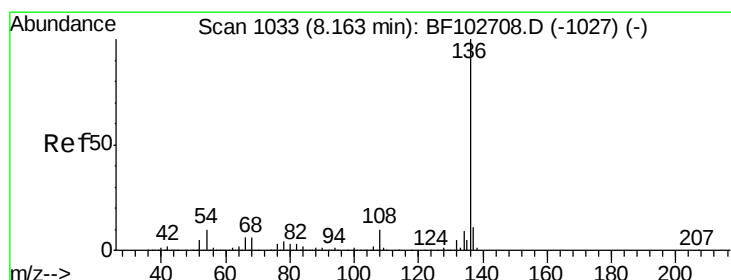
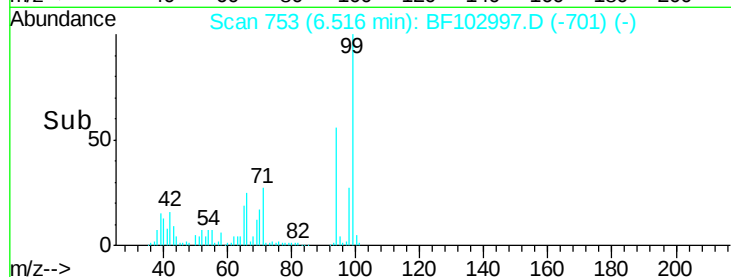
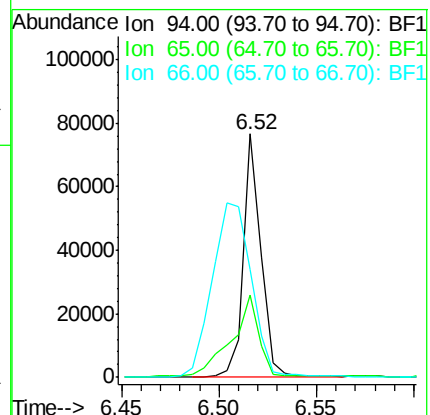
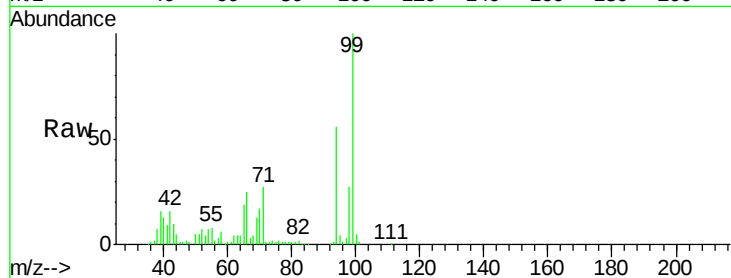
Tot Ion: 94 Resp: 48008

Ion Ratio Lower Upper

94 100

65 33.7 7.9 47.9

66 44.3 16.2 56.2



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

Tgt Ion: 136 Resp: 687297

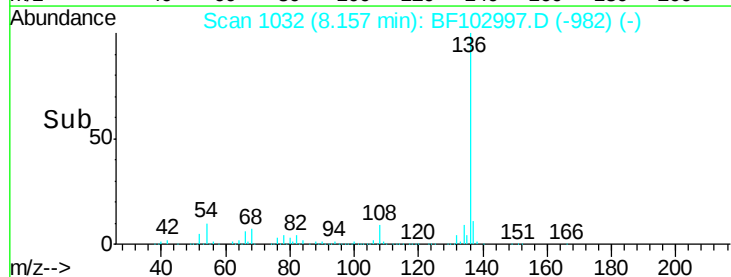
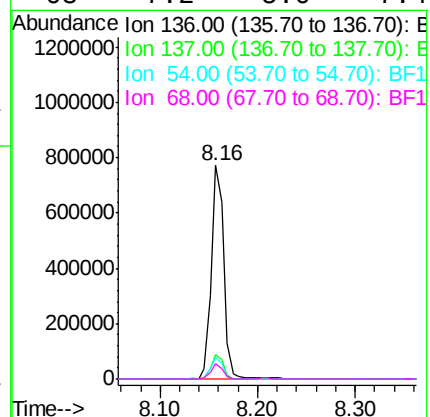
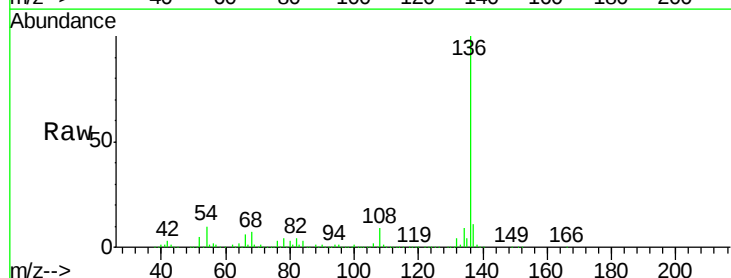
Ion Ratio Lower Upper

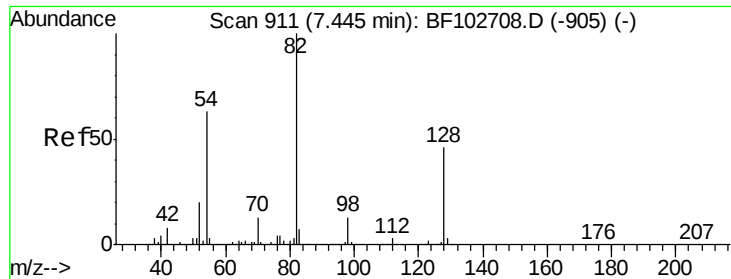
136 100

137 11.3 8.9 13.3

54 10.4 6.6 9.8#

68 7.2 5.0 7.4

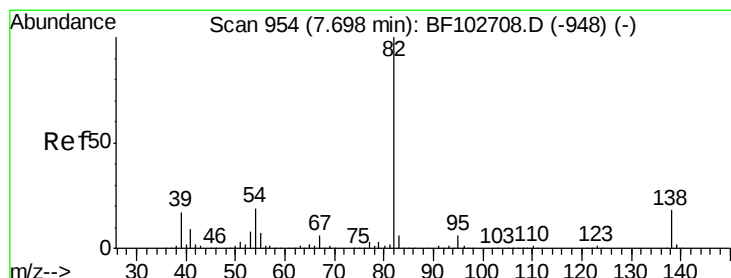
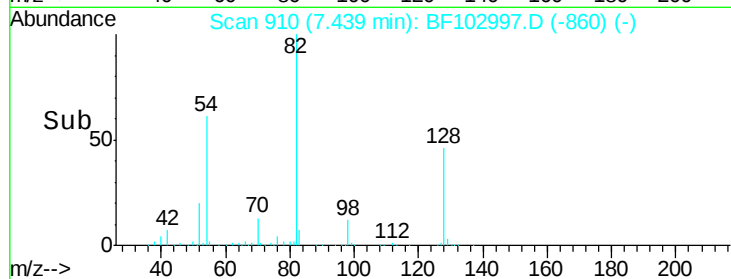
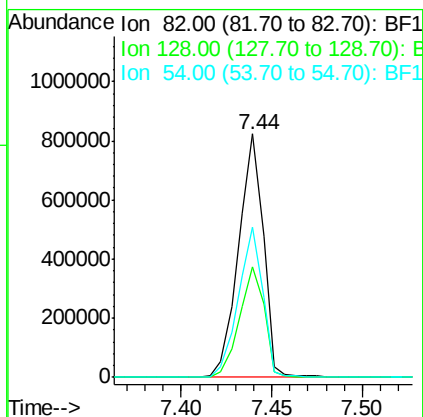
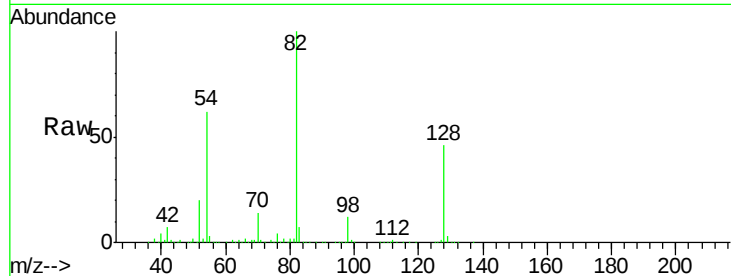




#23
 Nitrobenzene-d5
 Concen: 78.66 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF102997.D
 Acq: 14 Feb 2018 18:46

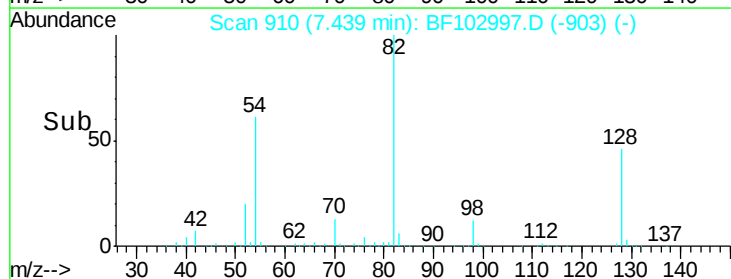
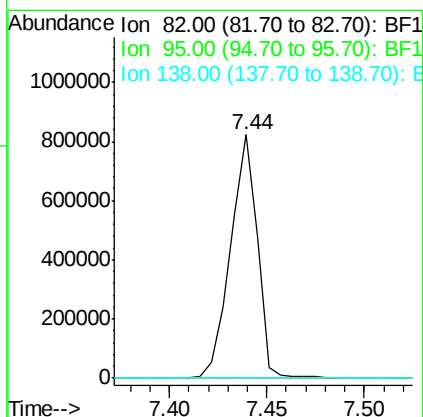
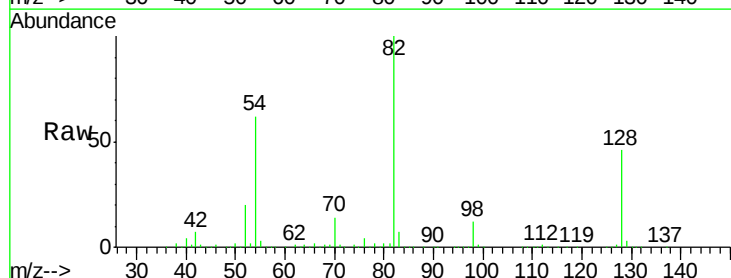
Instrument :
 BNA_F
 ClientSampled :

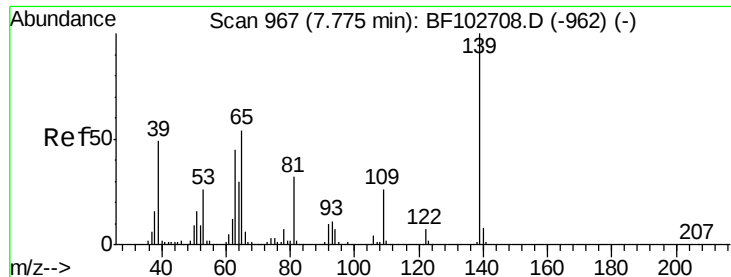
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.1	54.1
54	61.5	41.4	62.2



#25
 Isophorone
 Concen: 34.18 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.26 min
 Lab File: BF102997.D
 Acq: 14 Feb 2018 18:46

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.2	7.8#
138	0.0	14.9	22.3#

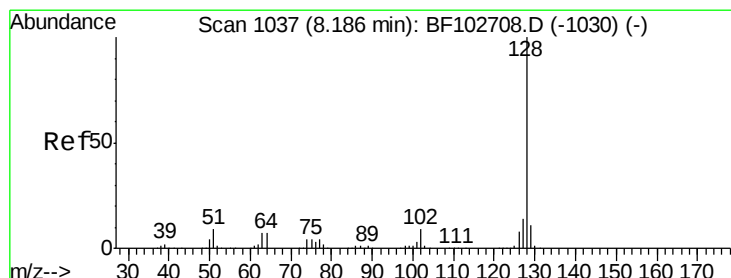
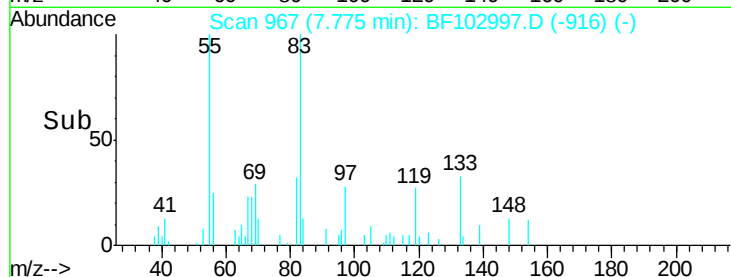
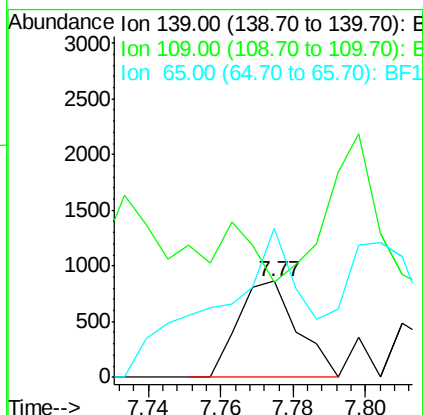
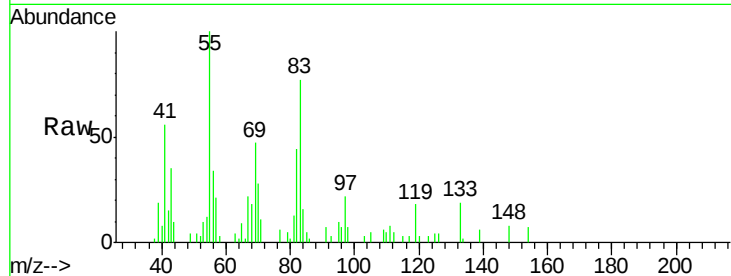




#26
2-Nitrophenol
Concen: 8.83 ng
RT: 7.77 min Scan# 967
Delta R.T. 0.00 min
Lab File: BF102997.D
Acq: 14 Feb 2018 18:46

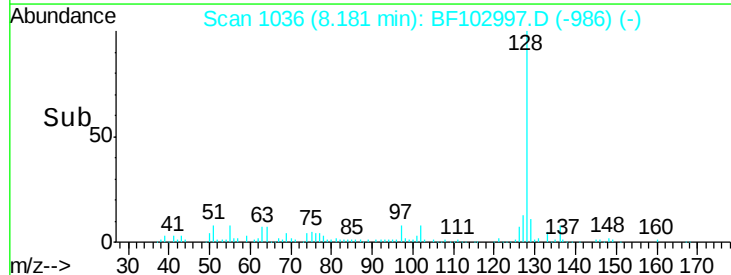
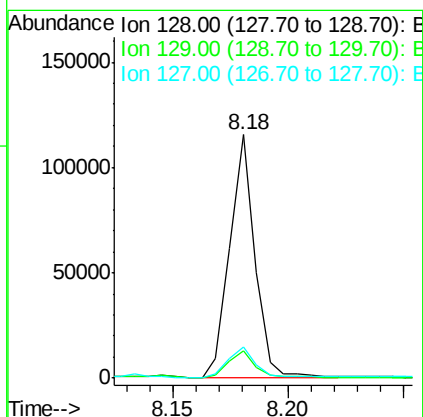
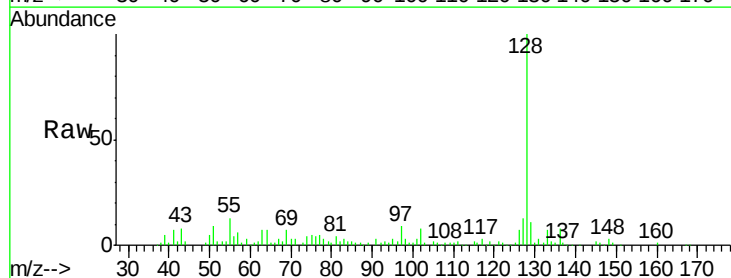
Instrument :
BNA_F
ClientSampled :

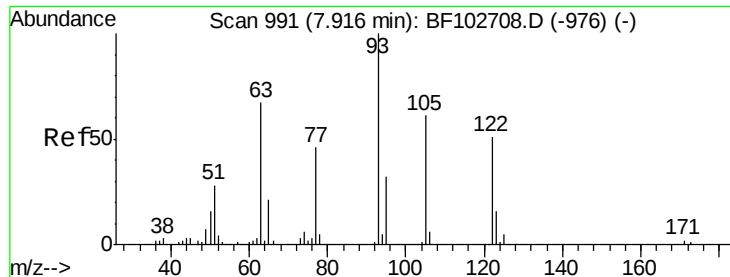
Tot Ion:139 Resp: 979
Ion Ratio Lower Upper
139 100
109 99.1 22.7 34.1#
65 154.7 40.5 60.7#



#31
Naphthalene
Concen: 2.64 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF102997.D
Acq: 14 Feb 2018 18:46

Tgt Ion:128 Resp: 88707
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 12.9 10.9 16.3

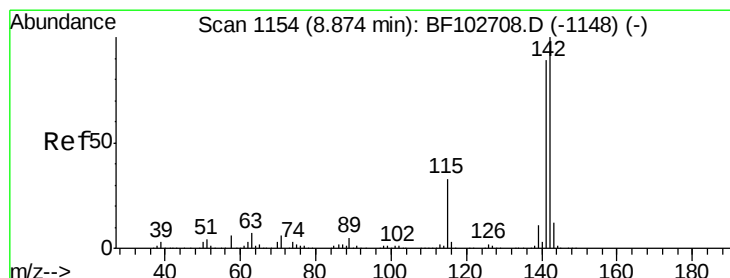
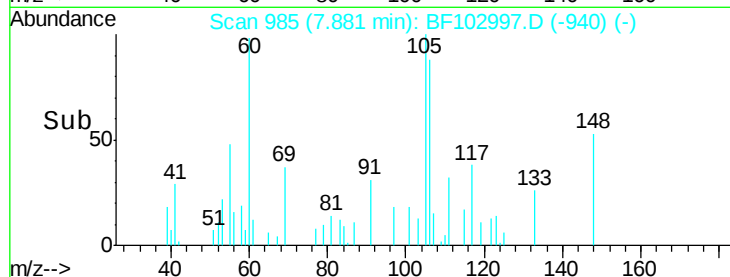
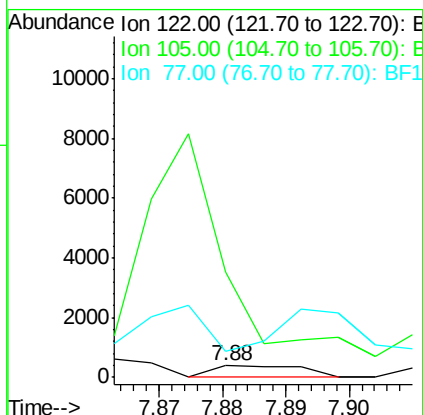
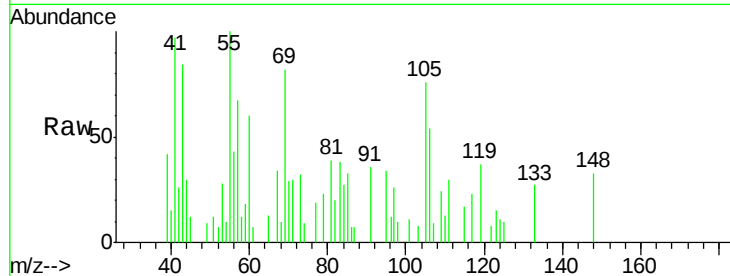




#32
Benzoic acid
Concen: 8.60 ng
RT: 7.88 min Scan# 985
Delta R.T. -0.03 min
Lab File: BF102997.D
Acq: 14 Feb 2018 18:46

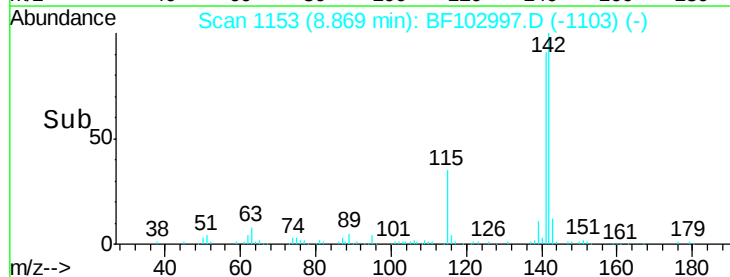
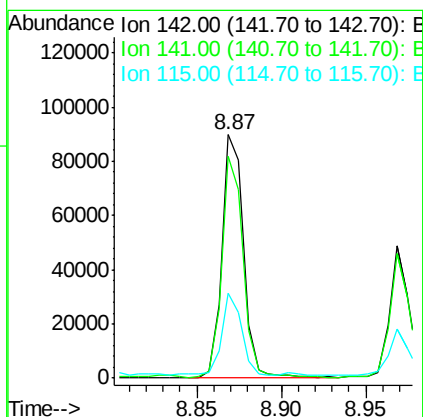
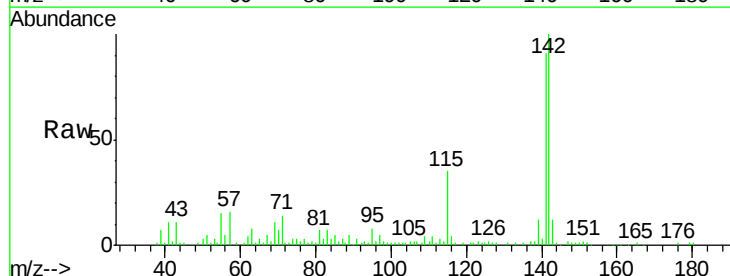
Instrument :
BNA_F
ClientSampleId :

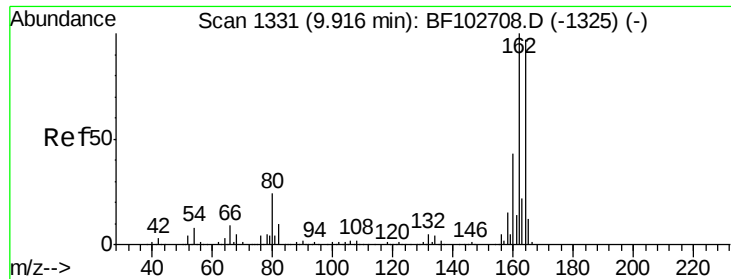
Tot Ion:122 Resp: 375
Ion Ratio Lower Upper
122 100
105 927.4 101.1 141.1#
77 232.5 70.7 110.7#



#37
2-Methylnaphthalene
Concen: 3.66 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF102997.D
Acq: 14 Feb 2018 18:46

Tgt Ion:142 Resp: 80356
Ion Ratio Lower Upper
142 100
141 91.3 70.8 106.2
115 35.0 26.1 39.1





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

Instrument :

BNA_F

ClientSampleId :

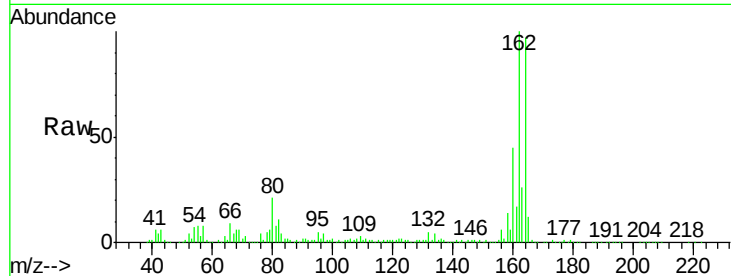
Tot Ion:164 Resp: 259244

Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

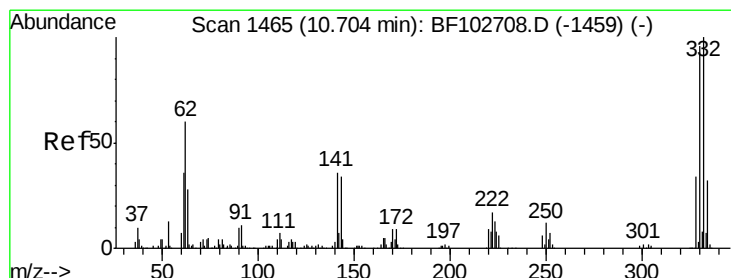
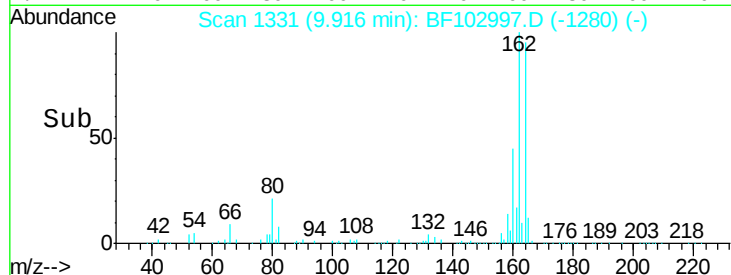
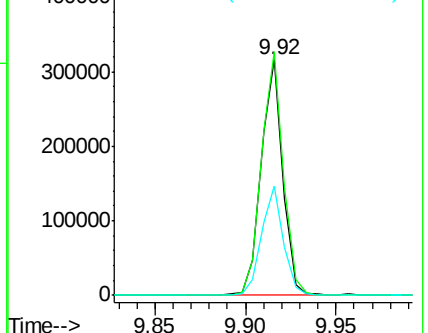
160 46.3 38.3 57.5



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: 83.64 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

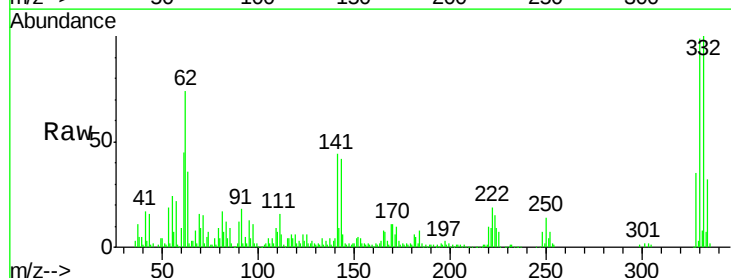
Tgt Ion:330 Resp: 174527

Ion Ratio Lower Upper

330 100

332 101.7 77.0 115.6

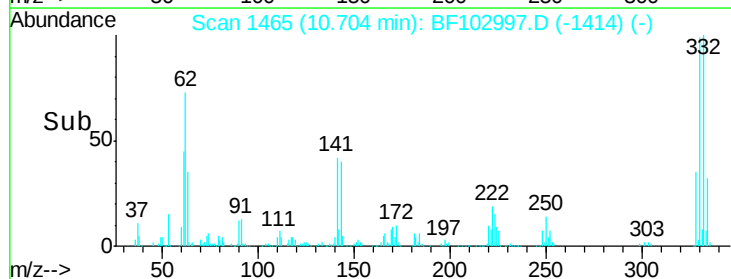
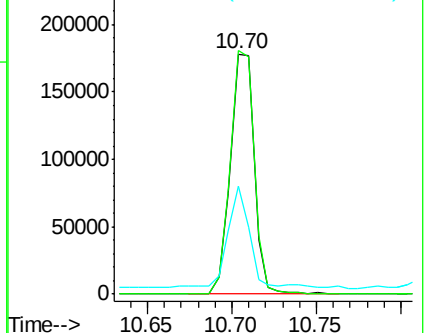
141 37.9 29.9 44.9

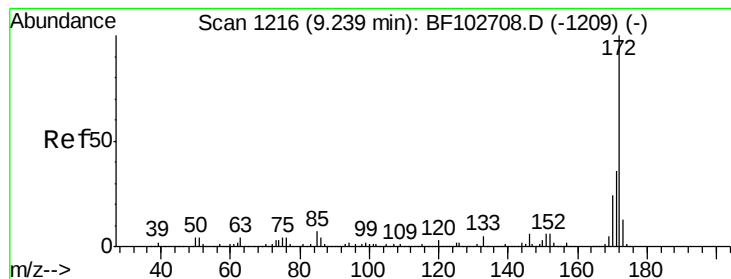


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 68.95 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

Instrument :

BNA_F

ClientSampleId :

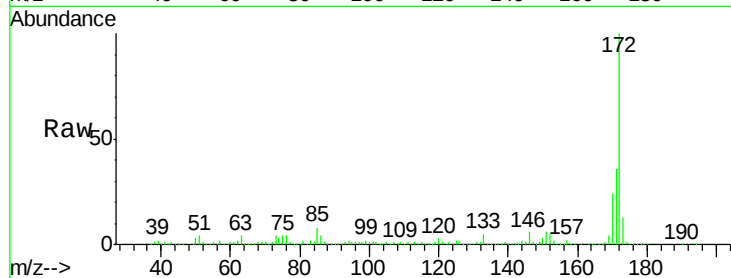
Tot Ion:172 Resp: 1077235

Ion Ratio Lower Upper

172 100

171 35.9 29.7 44.5

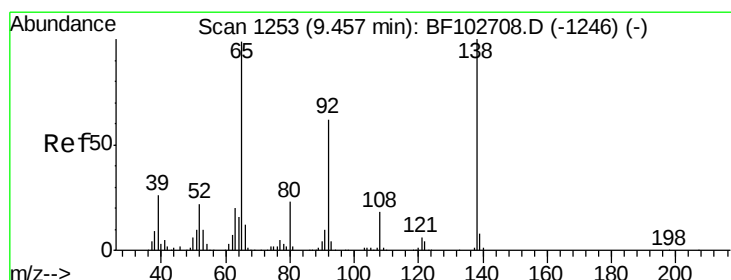
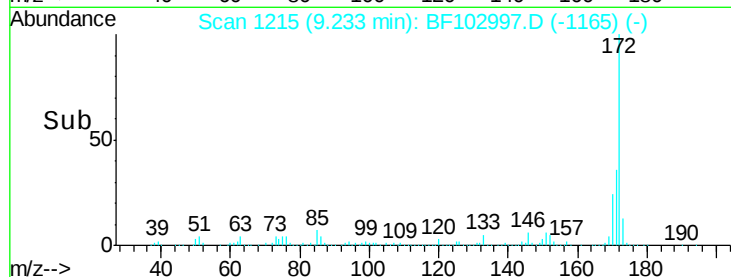
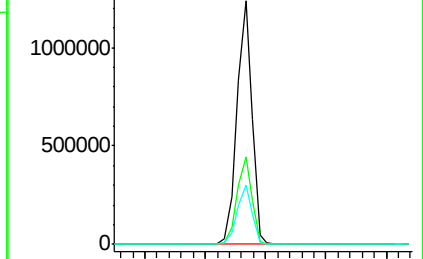
170 24.4 19.6 29.4



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: 3.62 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

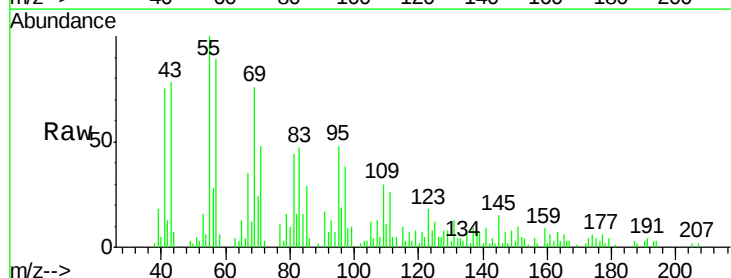
Tgt Ion: 65 Resp: 861

Ion Ratio Lower Upper

65 100

92 51.9 55.8 83.6#

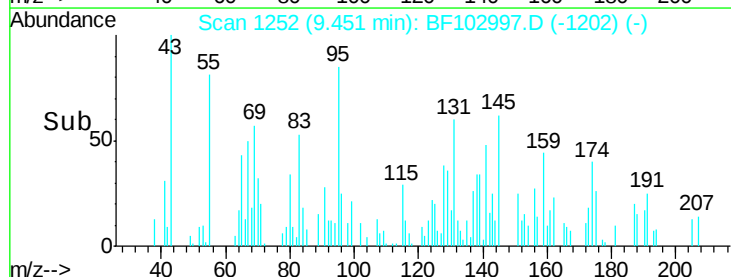
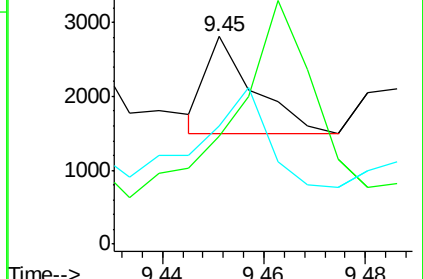
138 56.7 91.2 136.8#

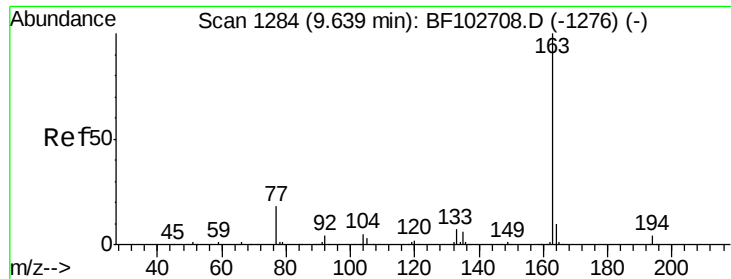


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E

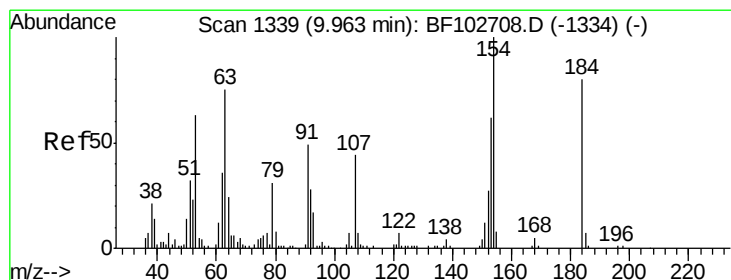
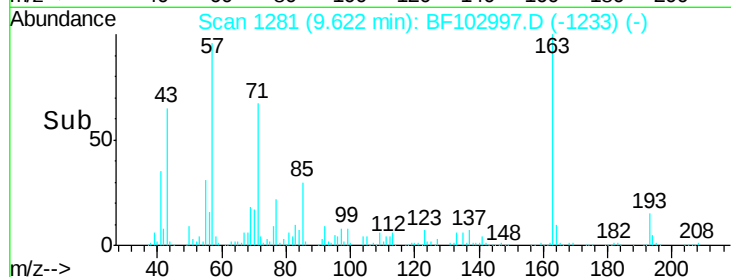
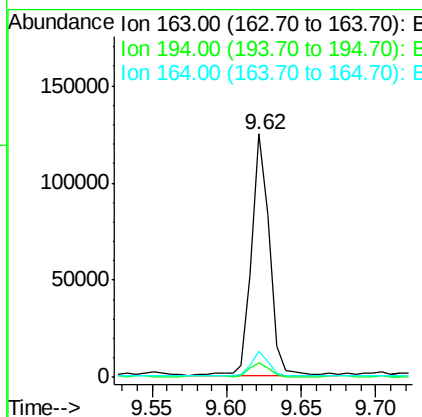
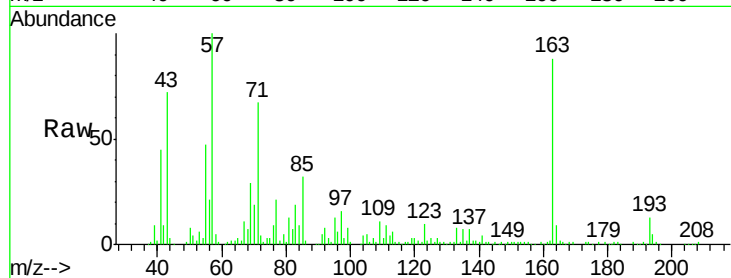




#49
Dimethylphthalate
Concen: 5.04 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF102997.D
Acq: 14 Feb 2018 18:46

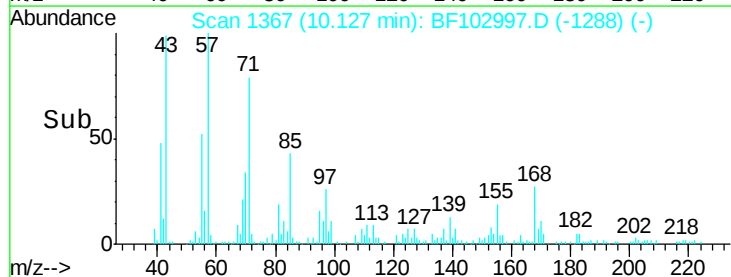
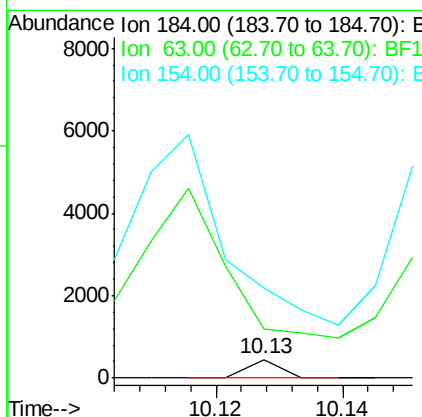
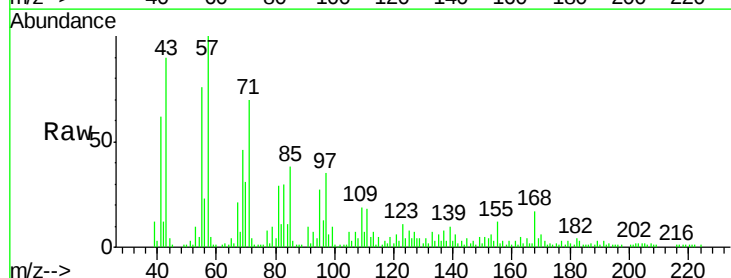
Instrument :
BNA_F
ClientSampleId :

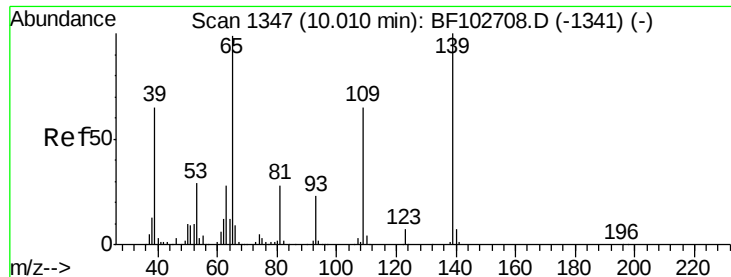
Tot Ion:163 Resp: 101807
Ion Ratio Lower Upper
163 100
194 6.2 2.7 4.1#
164 10.6 8.2 12.2



#53
2,4-Dinitrophenol
Concen: 8.15 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.17 min
Lab File: BF102997.D
Acq: 14 Feb 2018 18:46

Tgt Ion:184 Resp: 158
Ion Ratio Lower Upper
184 100
63 265.5 54.2 81.2#
154 483.7 184.0 276.0#

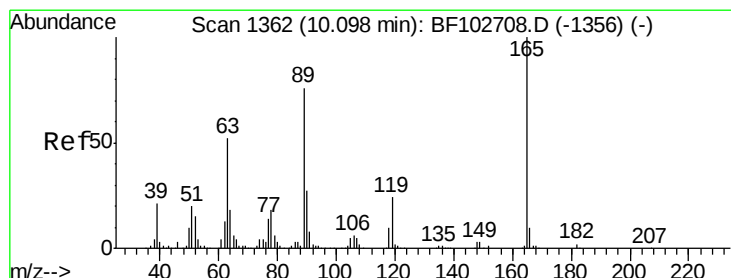
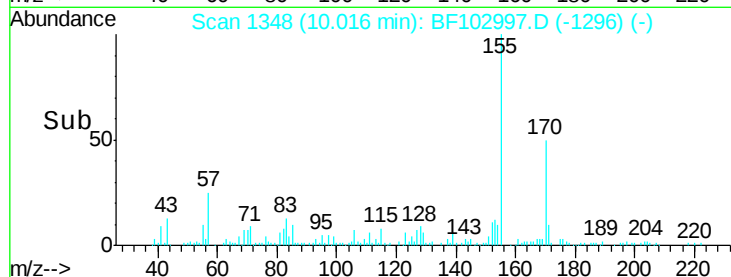
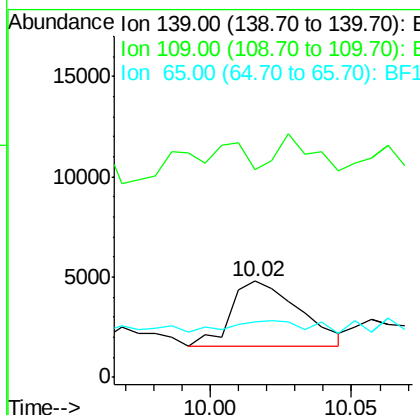
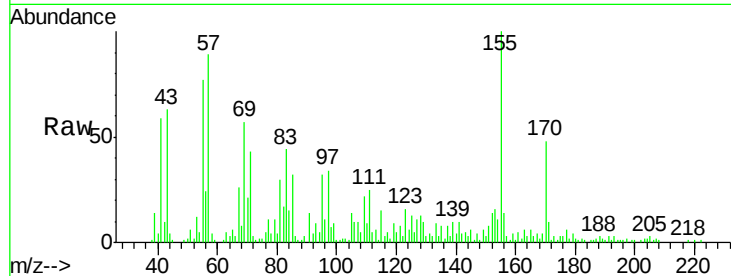




#55
4-Nitrophenol
Concen: 5.35 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF102997.D
Acq: 14 Feb 2018 18:46

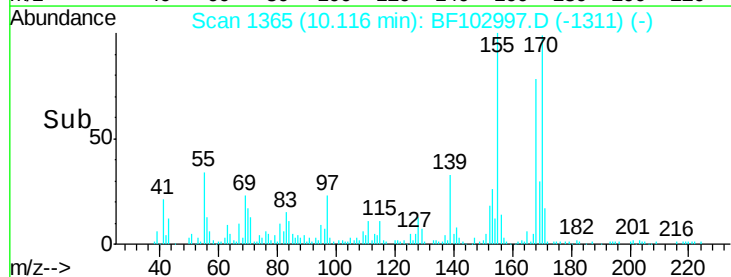
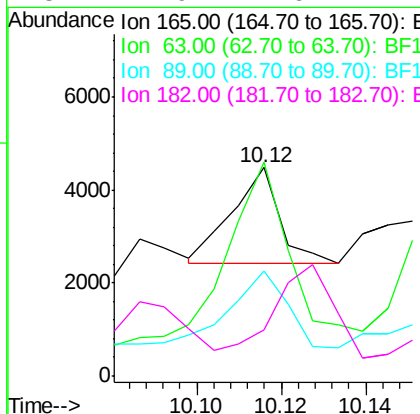
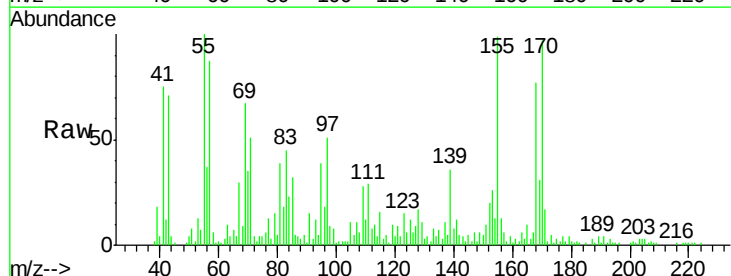
Instrument :
BNA_F
ClientSampleId :

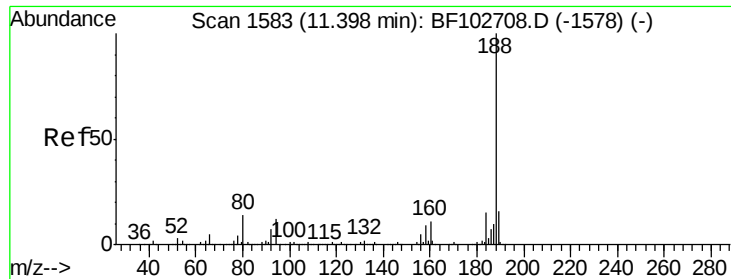
Tot Ion:139 Resp: 5443
Ion Ratio Lower Upper
139 100
109 216.2 48.4 88.4#
65 57.4 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 3.37 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.02 min
Lab File: BF102997.D
Acq: 14 Feb 2018 18:46

Tgt Ion:165 Resp: 1597
Ion Ratio Lower Upper
165 100
63 102.6 36.4 54.6#
89 50.2 57.8 86.6#
182 21.9 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.01 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

Instrument :

BNA_F

ClientSampleId :

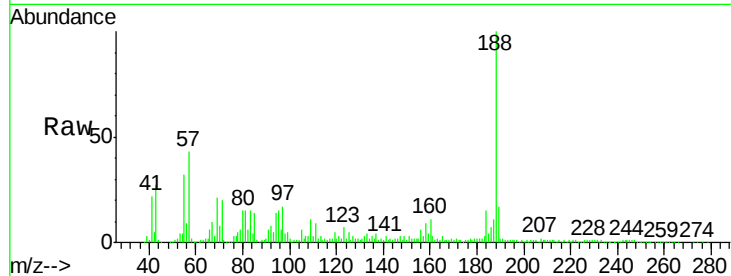
Tot Ion:188 Resp: 327867

Ion Ratio Lower Upper

188 100

94 14.4 8.5 12.7#

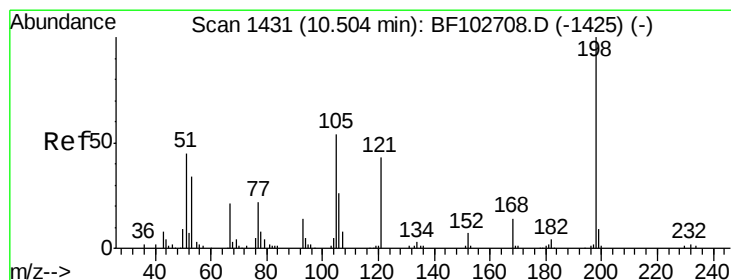
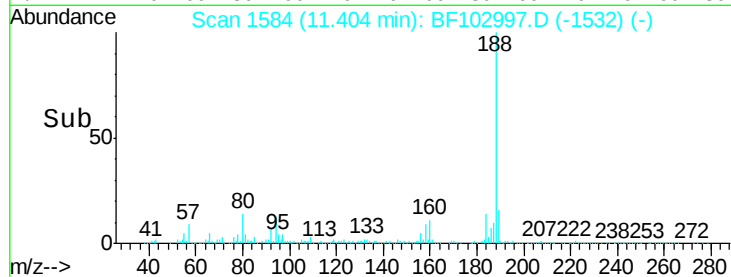
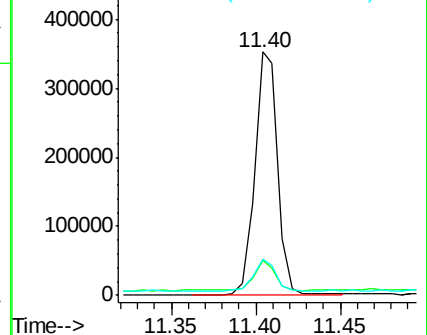
80 15.1 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 9.13 ng

RT: 10.52 min Scan# 1434

Delta R.T. 0.02 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

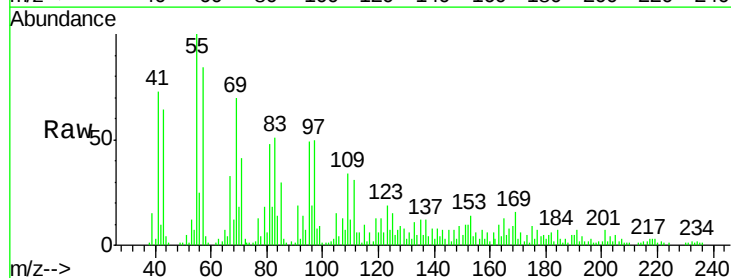
Tgt Ion:198 Resp: 503

Ion Ratio Lower Upper

198 100

51 525.5 37.7 77.7#

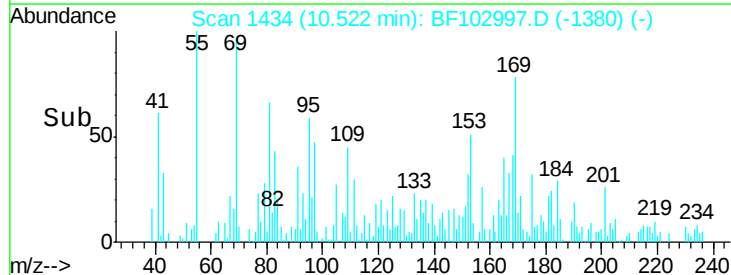
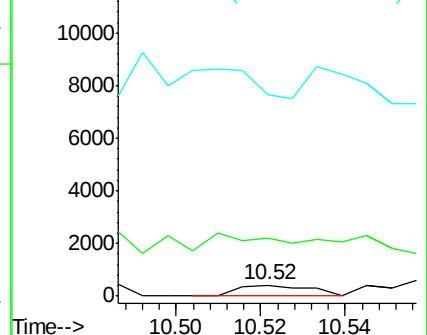
105 1801.7 36.3 76.3#

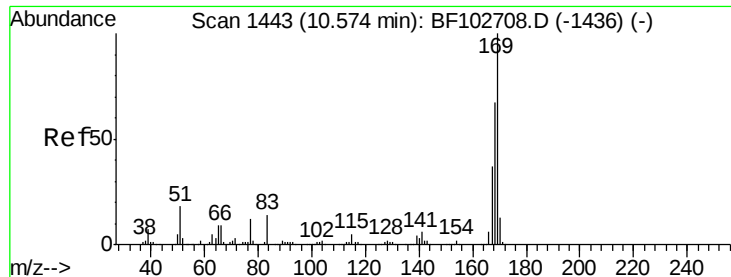


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 3.15 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

Instrument :

BNA_F

ClientSampleId :

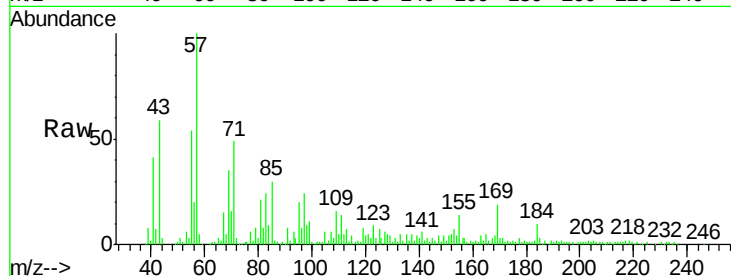
Tot Ion:169 Resp: 36460

Ion Ratio Lower Upper

169 100

168 20.1 54.4 81.6#

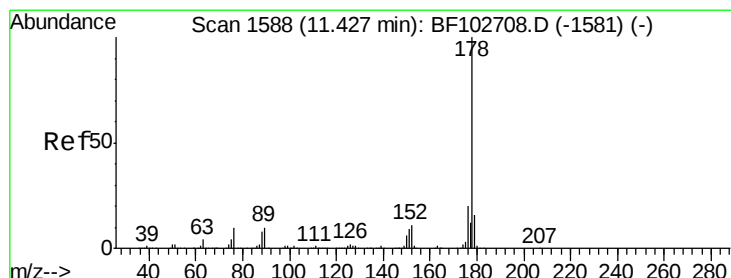
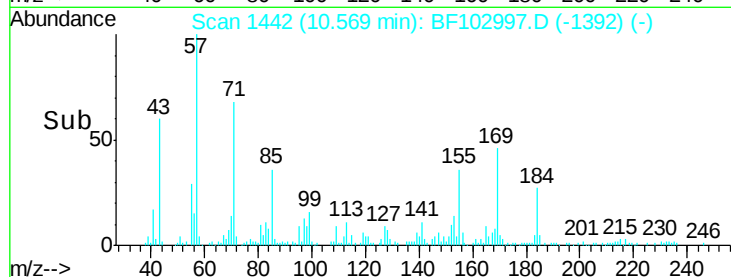
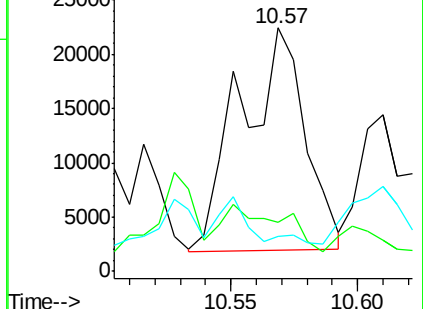
167 14.5 29.8 44.6#



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



#70

Phenanthrene

Concen: 14.31 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

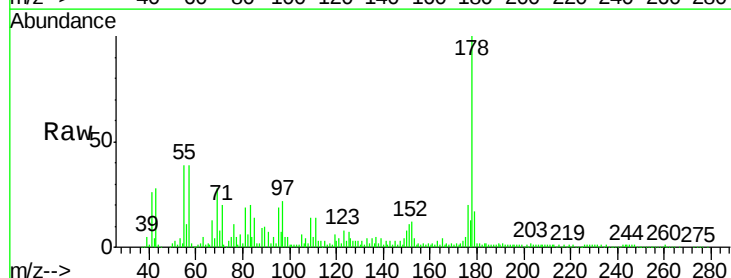
Tgt Ion:178 Resp: 261293

Ion Ratio Lower Upper

178 100

176 20.4 15.8 23.8

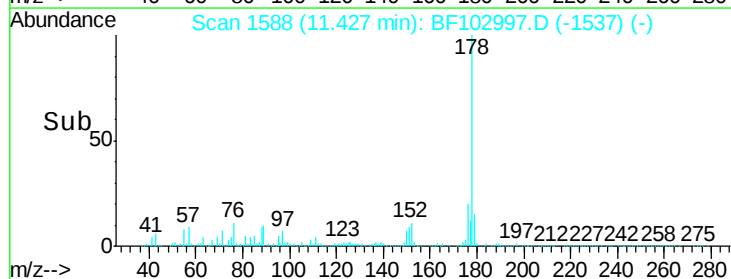
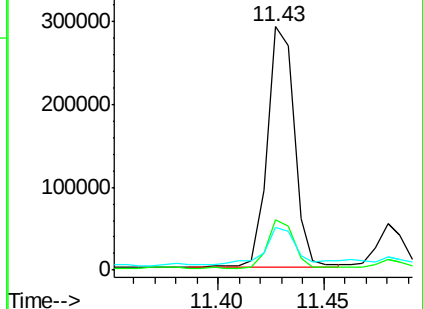
179 17.5 13.0 19.6

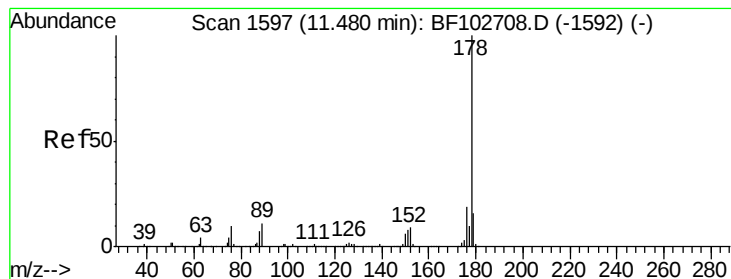


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 14.07 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.05 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

Instrument :

BNA_F

ClientSampleId :

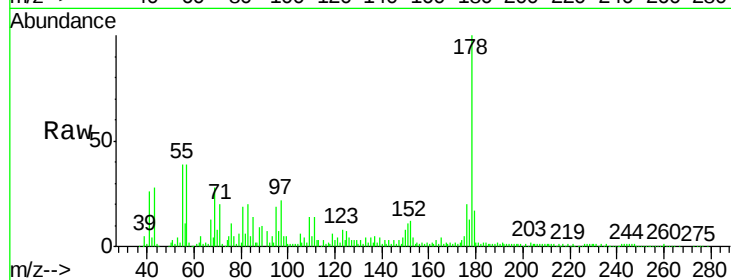
Tot Ion:178 Resp: 261293

Ion Ratio Lower Upper

178 100

176 20.4 15.4 23.2

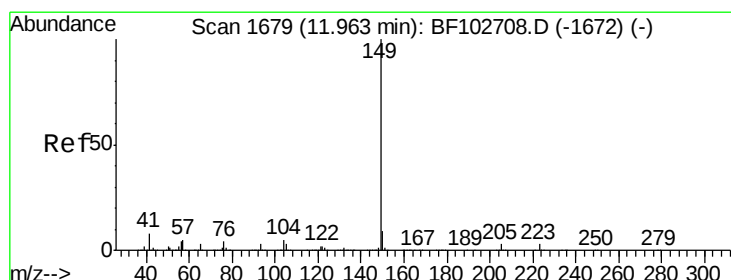
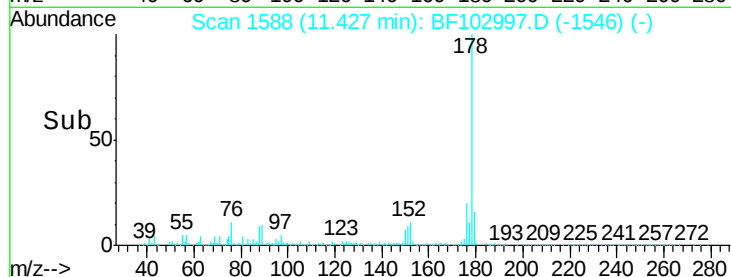
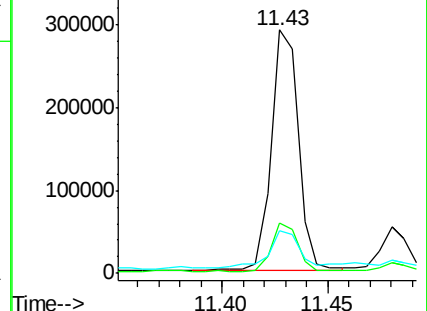
179 17.5 12.6 19.0



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



#73

Di-n-butylphthalate

Concen: 2.02 ng

RT: 11.96 min Scan# 1679

Delta R.T. 0.00 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

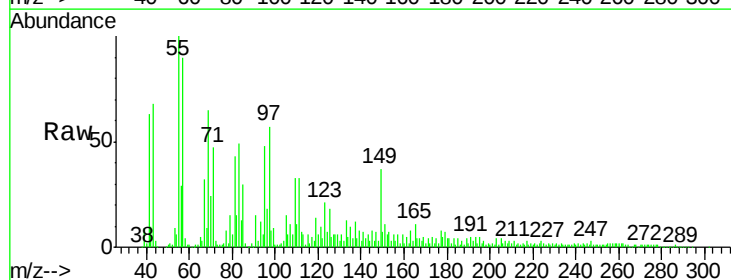
Tgt Ion:149 Resp: 44641

Ion Ratio Lower Upper

149 100

150 18.0 7.8 11.6#

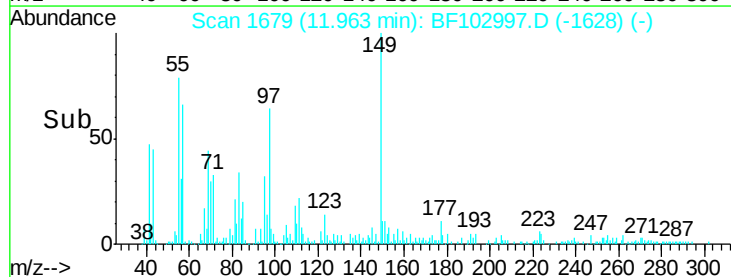
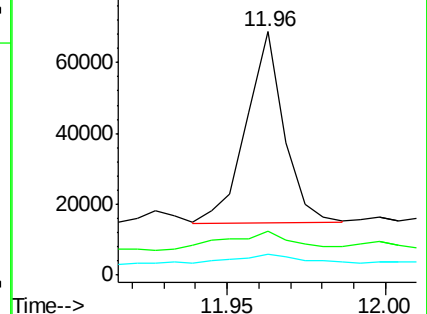
104 8.4 3.8 5.8#

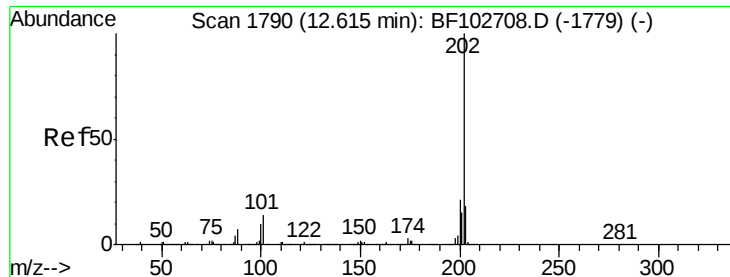


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 13.17 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

Instrument :

BNA_F

ClientSampleId :

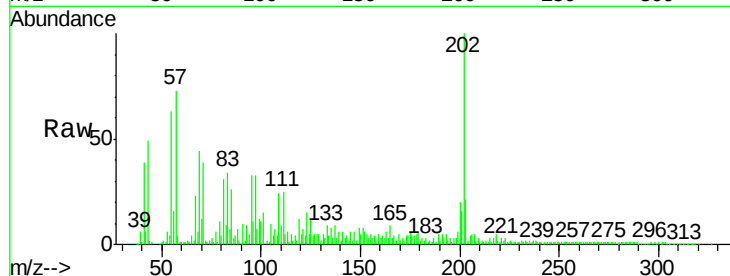
Tot Ion:202 Resp: 241874

Ion Ratio Lower Upper

202 100

101 14.8 0.0 34.1

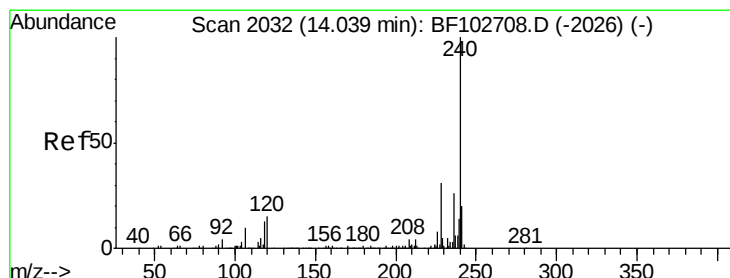
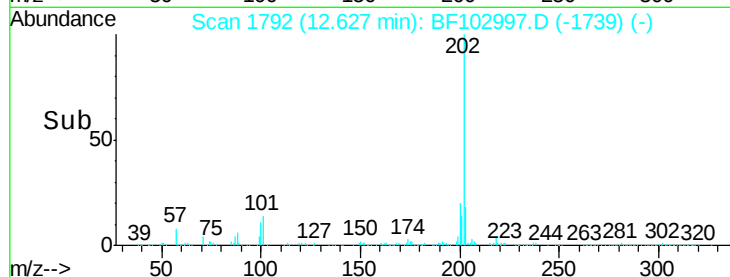
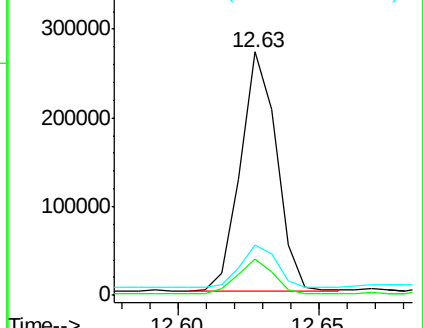
203 20.6 0.0 38.1



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: 20.00 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.02 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

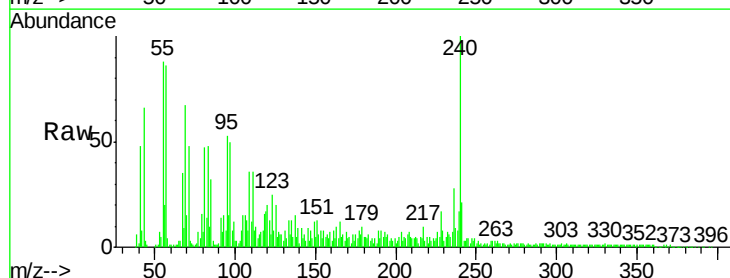
Tgt Ion:240 Resp: 195183

Ion Ratio Lower Upper

240 100

120 20.5 9.5 14.3#

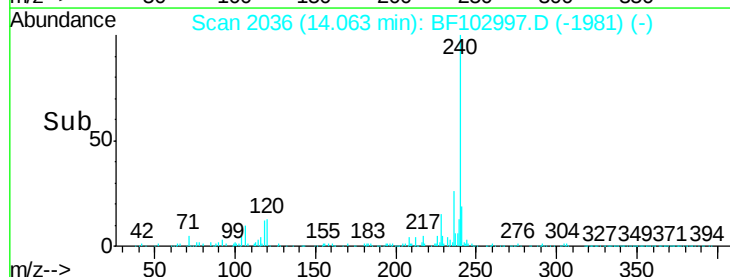
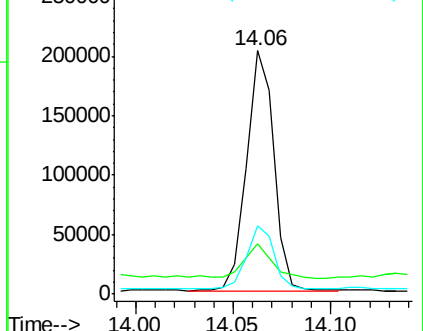
236 28.2 20.7 31.1

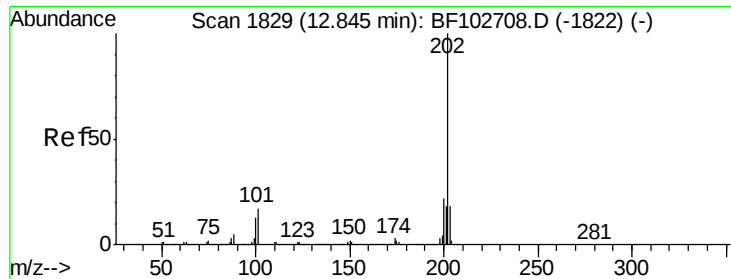


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 14.93 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.02 min

Lab File: BF102997.D

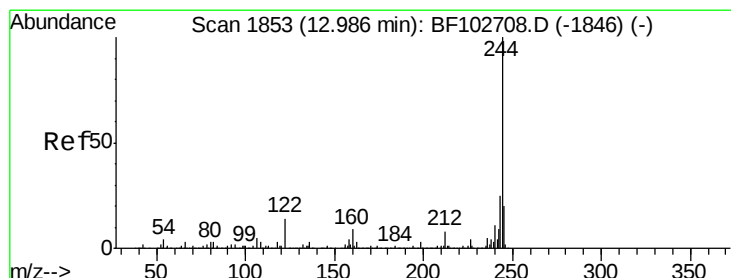
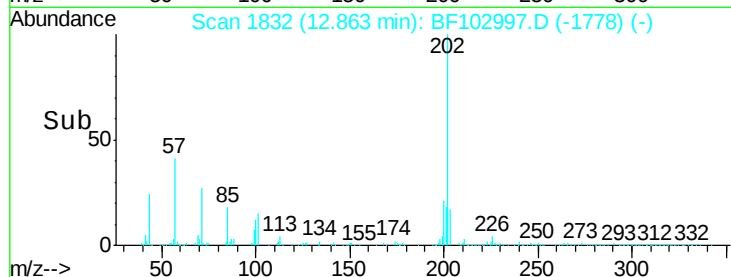
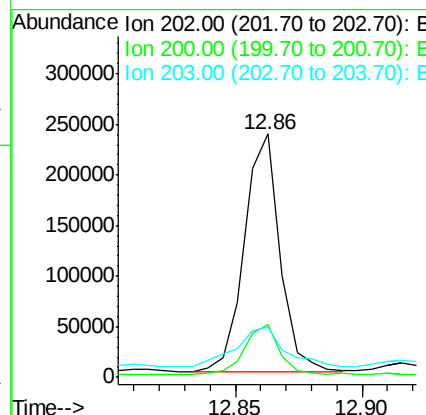
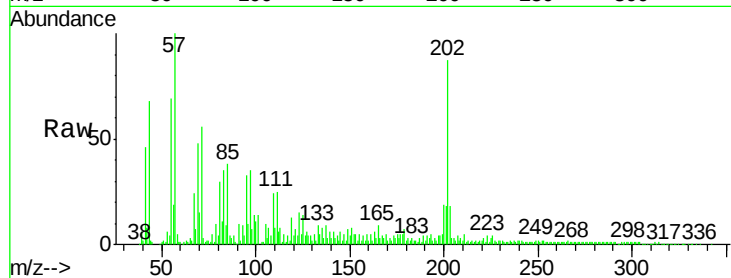
Acq: 14 Feb 2018 18:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	228505
Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	20.7	14.3	21.5



#78

Terphenyl-d14

Concen: 67.74 ng

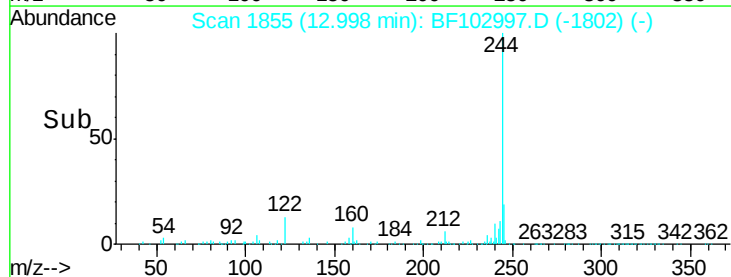
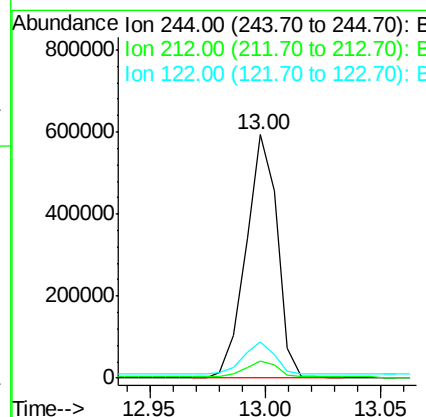
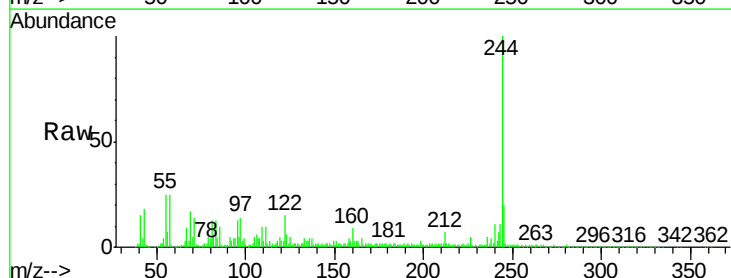
RT: 13.00 min Scan# 1855

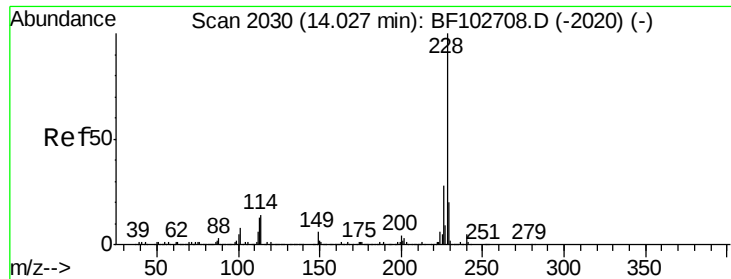
Delta R.T. 0.01 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

Tgt Ion:	244	Resp:	558363
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	14.7	11.0	16.4

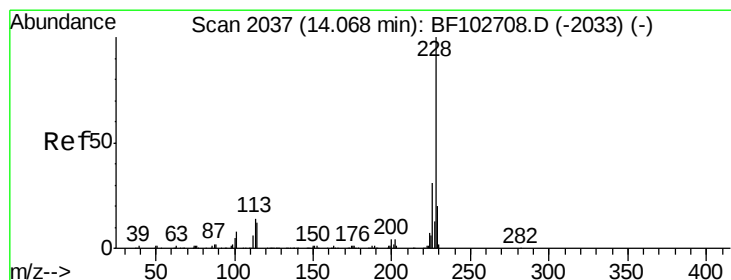
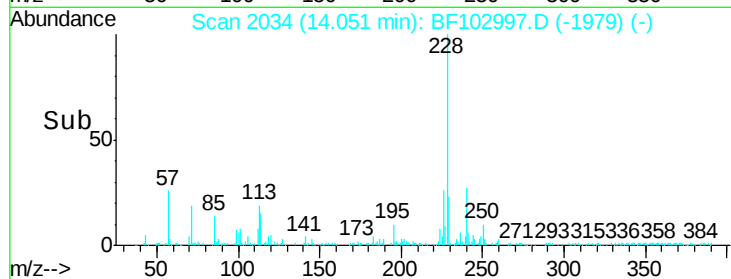
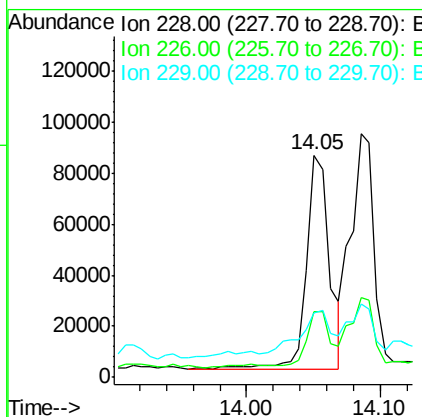
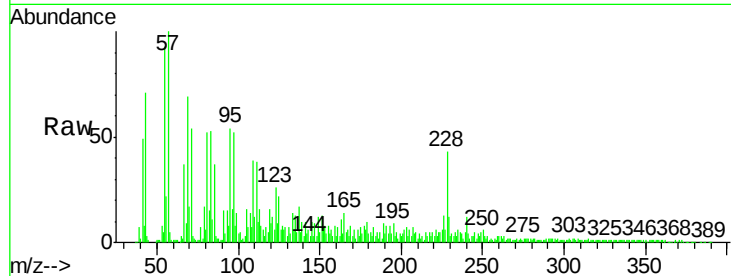




#80
Benzo(a)anthracene
Concen: 8.09 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.02 min
Lab File: BF102997.D
Acq: 14 Feb 2018 18:46

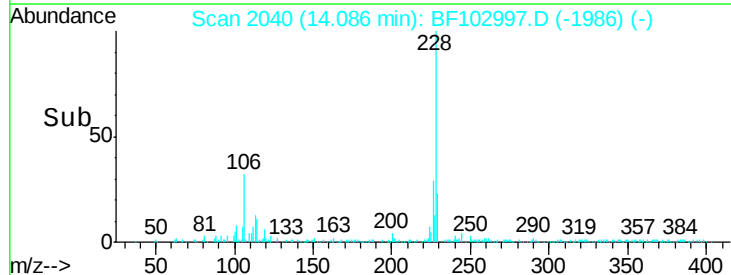
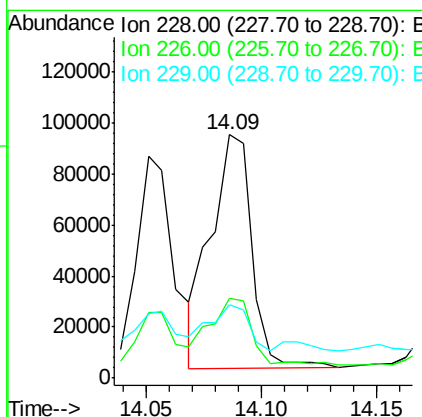
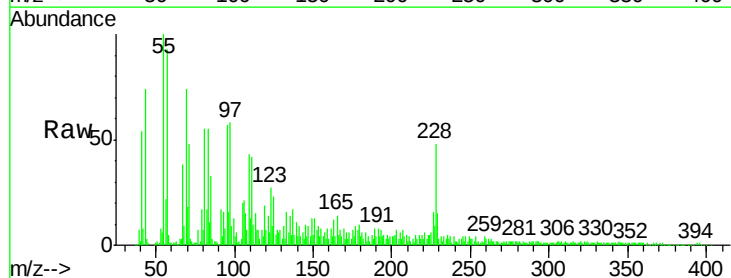
Instrument :
BNA_F
ClientSampleId :

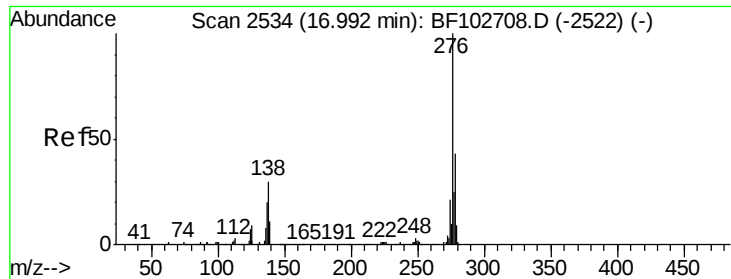
Tot Ion:228 Resp: 99332
Ion Ratio Lower Upper
228 100
226 29.6 22.6 33.8
229 28.8 15.8 23.6#



#82
Chrysene
Concen: 9.21 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.02 min
Lab File: BF102997.D
Acq: 14 Feb 2018 18:46

Tgt Ion:228 Resp: 113976
Ion Ratio Lower Upper
228 100
226 32.9 25.0 37.6
229 30.2 16.2 24.4#

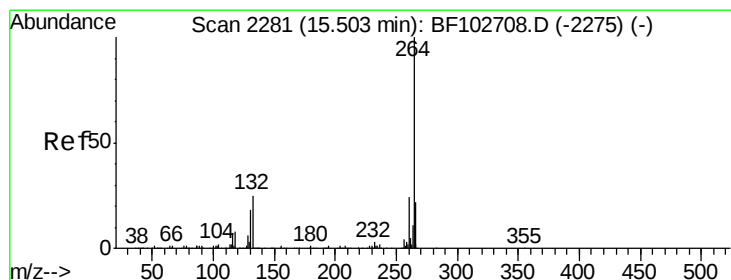
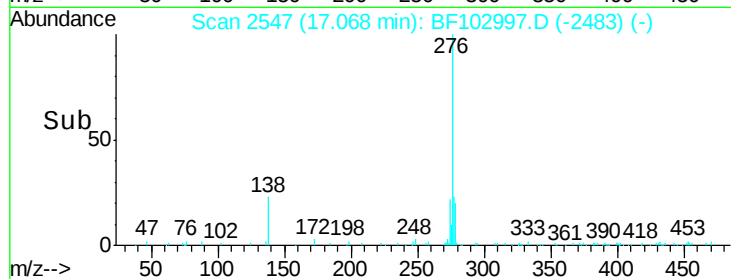
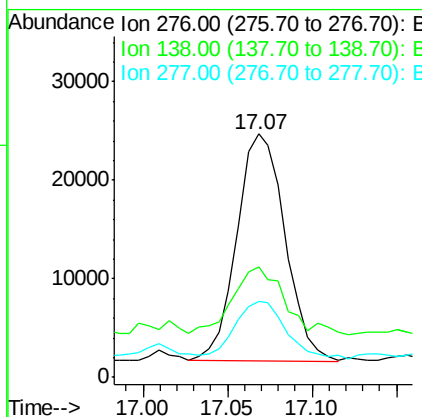
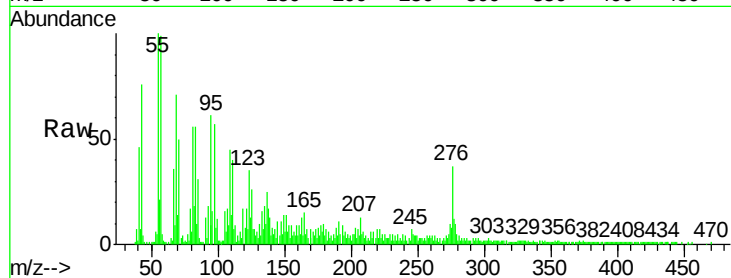




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.46 ng
 RT: 17.07 min Scan# 2547
 Delta R.T. 0.08 min
 Lab File: BF102997.D
 Acq: 14 Feb 2018 18:46

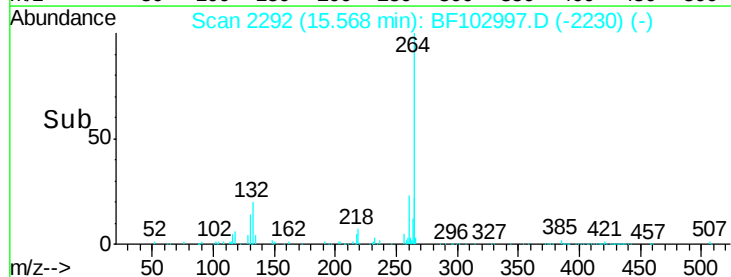
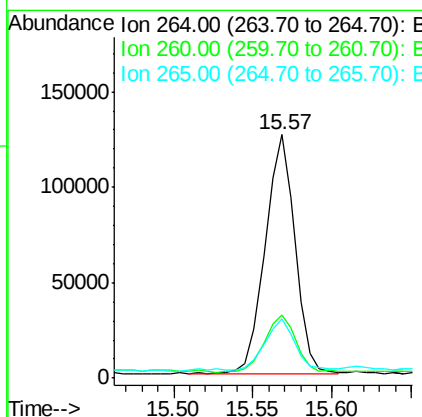
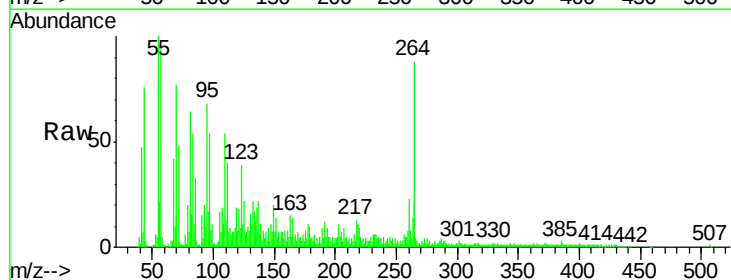
Instrument :
 BNA_F
 ClientSampleId :

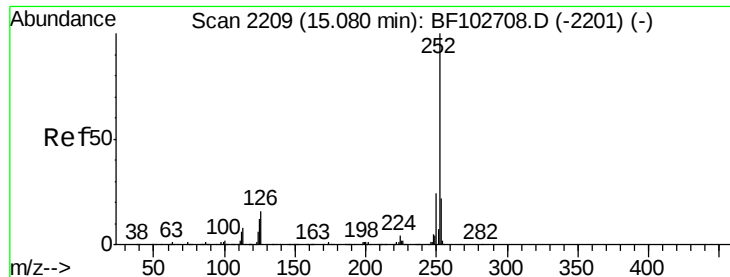
Tot Ion:276 Resp: 45802
 Ion Ratio Lower Upper
 276 100
 138 32.2 25.0 37.6
 277 27.0 20.1 30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.57 min Scan# 2292
 Delta R.T. 0.06 min
 Lab File: BF102997.D
 Acq: 14 Feb 2018 18:46

Tgt Ion:264 Resp: 165888
 Ion Ratio Lower Upper
 264 100
 260 26.2 19.2 28.8
 265 24.5 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 11.81 ng

RT: 15.12 min Scan# 2216

Delta R.T. 0.04 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

Instrument :

BNA_F

ClientSampleId :

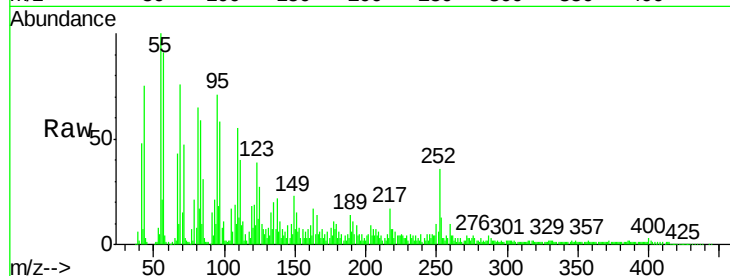
Tot Ion:252 Resp: 127032

Ion Ratio Lower Upper

252 100

253 37.2 17.0 25.6#

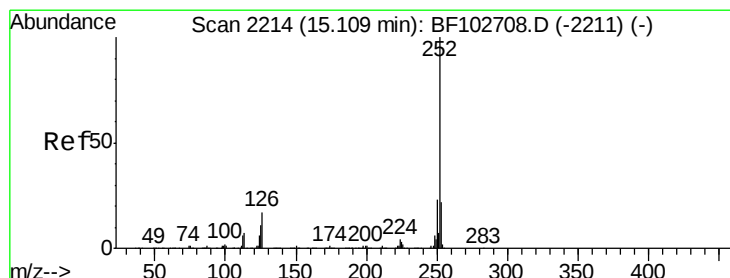
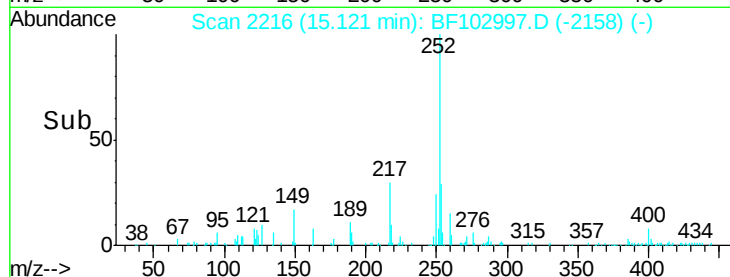
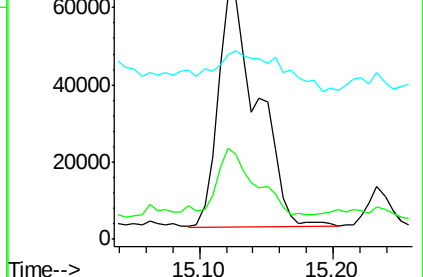
125 75.6 9.0 13.6#



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



#88

Benzo(k)fluoranthene

Concen: 12.32 ng

RT: 15.12 min Scan# 2216

Delta R.T. 0.01 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

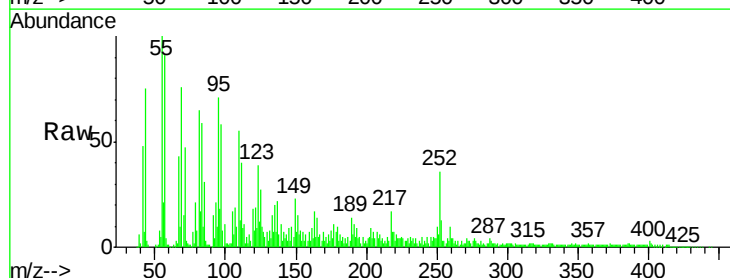
Tgt Ion:252 Resp: 126600

Ion Ratio Lower Upper

252 100

253 37.2 17.9 26.9#

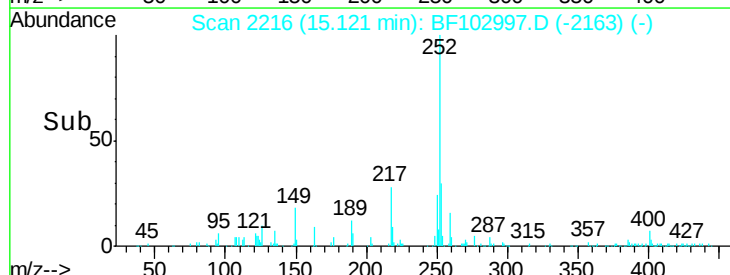
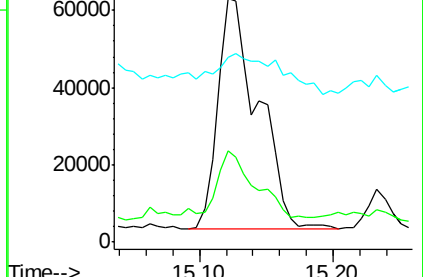
125 75.6 10.2 15.2#

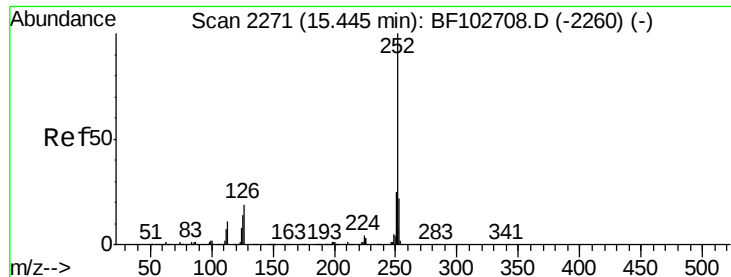


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 6.42 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.05 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

Instrument :

BNA_F

ClientSampleId :

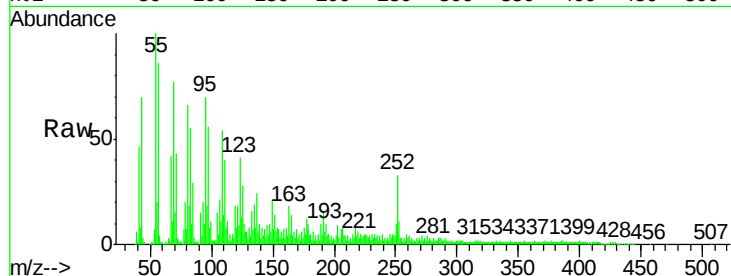
Tot Ion:252 Resp: 62154

Ion Ratio Lower Upper

252 100

253 34.2 17.1 25.7#

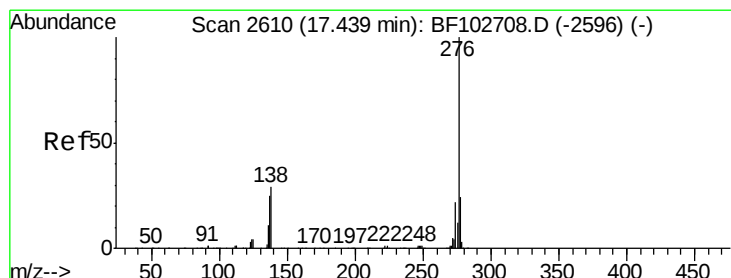
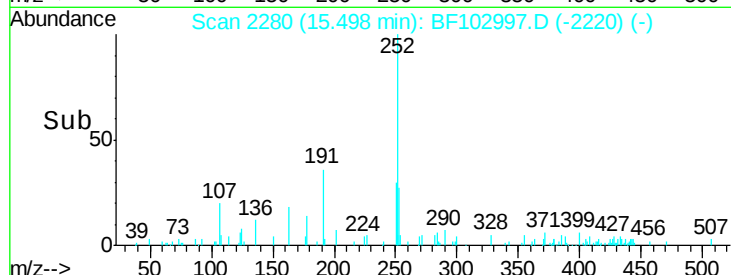
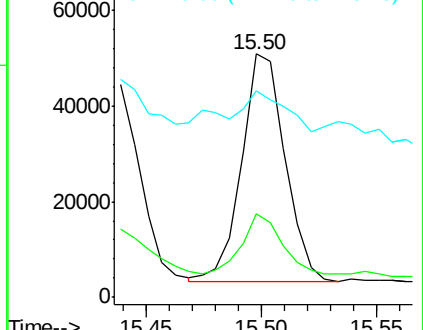
125 84.8 9.8 14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 6.33 ng

RT: 17.53 min Scan# 2625

Delta R.T. 0.09 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

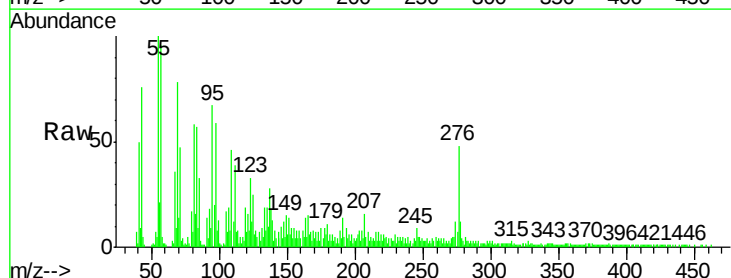
Tgt Ion:276 Resp: 48668

Ion Ratio Lower Upper

276 100

277 26.1 17.9 26.9

138 37.1 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

