

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043018\
 Data File : BF104938.D
 Acq On : 30 Apr 2018 17:41
 Operator : JU/SJ
 Sample : J2609-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 04:34:21 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 30 15:20:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	111380	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	447964	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	196844	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	256918	20.00	ng	0.00
75) Chrysene-d12	13.99	240	167903	20.00	ng	0.02
86) Perylene-d12	15.46	264	178539	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	595743	81.79	ng	0.01
7) Phenol-d6	6.44	99	722262	80.70	ng	0.00
23) Nitrobenzene-d5	7.36	82	427115	62.26	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	139580	68.36	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	618375	49.63	ng	0.00
78) Terphenyl-d14	12.93	244	313253	42.53	ng	0.01

Target Compounds				Qvalue		
9) Benzaldehyde	6.35	77	3165	Below Cal		88
10) Phenol	6.45	94	41148	4.33 ng		87
19) n-Nitroso-di-n-propylamine	7.36	70	57933	9.91 ng	#	71
25) Isophorone	7.36	82	424135	29.24 ng	#	64
31) Naphthalene	8.10	128	1125309	50.45 ng		99
33) 4-Chloroaniline	8.10	127	151863	15.89 ng	#	33
37) 2-Methylnaphthalene	8.79	142	520302	36.06 ng		99
45) 1,1'-Biphenyl	9.25	154	169464	10.25 ng		98
48) Acenaphthylene	9.69	152	95480	4.66 ng	#	94
49) Dimethylphthalate	9.55	163	80538	5.19 ng		100
51) Acenaphthene	9.87	154	662837	53.01 ng		99
53) 2,4-Dinitrophenol	10.15	184	5543	11.87 ng		83
54) Dibenzofuran	10.04	168	779596	44.74 ng		97
55) 4-Nitrophenol	10.04	139	308545	116.81 ng	#	11
57) Fluorene	10.39	166	731797	57.70 ng		99
64) 4,6-Dinitro-2-methylphenol	10.57	198	6352	11.65 ng	#	53
65) n-Nitrosodiphenylamine	10.49	169	73496	8.25 ng	#	83
70) Phenanthrene	11.37	178	2258444	157.85 ng		99
71) Anthracene	11.42	178	827645	56.91 ng		99
72) Carbazole	11.57	167	191672	13.49 ng		93
73) Di-n-butylphthalate	11.89	149	43375	2.50 ng	#	70
74) Fluoranthene	12.58	202	1914924	128.10 ng		99
76) Benzidine	12.69	184	3167	Below Cal	#	1
77) Pyrene	12.81	202	1490649	119.77 ng		98
79) Butylbenzylphthalate	13.40	149	20103	3.43 ng	#	45
80) Benzo(a)anthracene	13.99	228	579102	57.73 ng		95
82) Chrysene	14.02	228	612929	59.49 ng		96
83) Bis(2-ethylhexyl)phthalate	13.95	149	401129	53.19 ng		99
85) Indeno(1,2,3-cd)pyrene	16.91	276	129674	14.82 ng	#	92
87) Benzo(b)fluoranthene	15.03	252	716165	63.51 ng		97
88) Benzo(k)fluoranthene	15.03	252	716165	67.27 ng		100
89) Benzo(a)pyrene	15.39	252	222005	22.00 ng		95
90) Dibenzo(a,h)anthracene	16.91	278	35829	4.32 ng	#	91
91) Benzo(g,h,i)perylene	17.35	276	111093	13.84 ng		96

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QLast Update : Mon Apr 30 15:20:08 2018
Response via : Initial Calibration

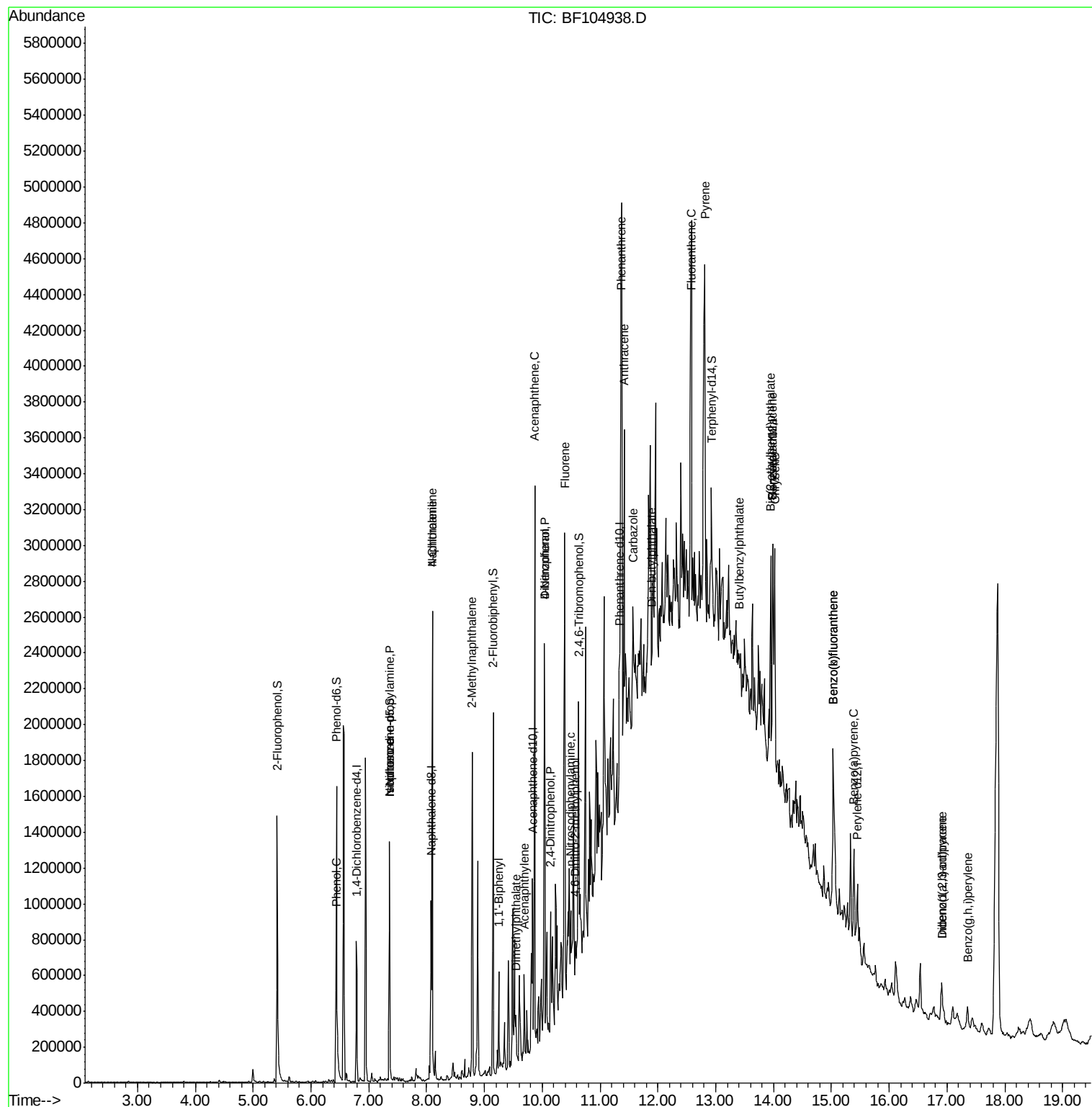
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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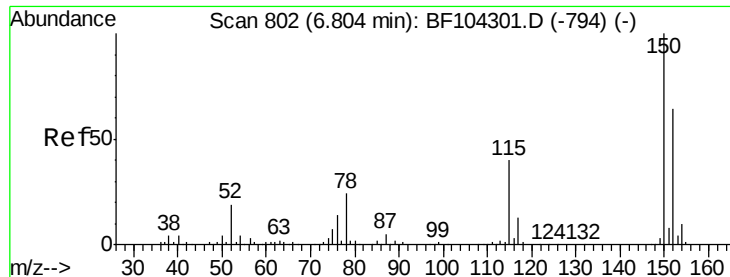
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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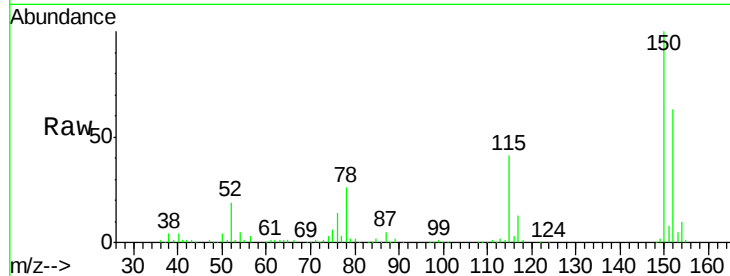


#1

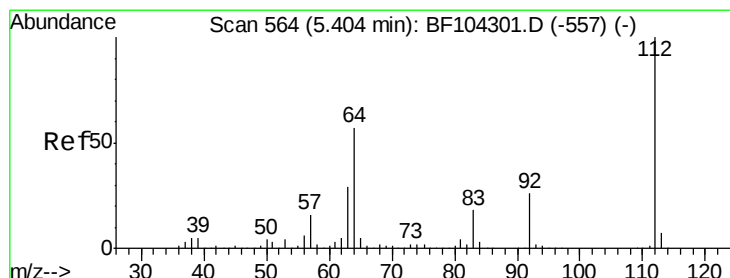
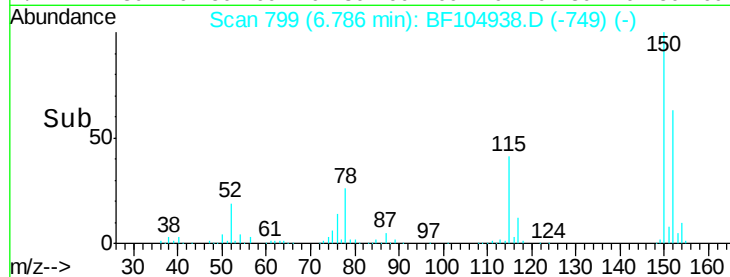
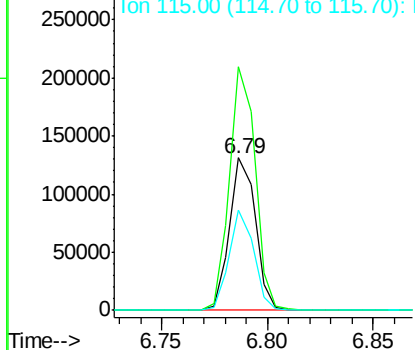
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF104938.D
Acq: 30 Apr 2018 17:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 111380
Ion Ratio Lower Upper
152 100
150 159.6 124.6 186.8
115 66.1 50.1 75.1



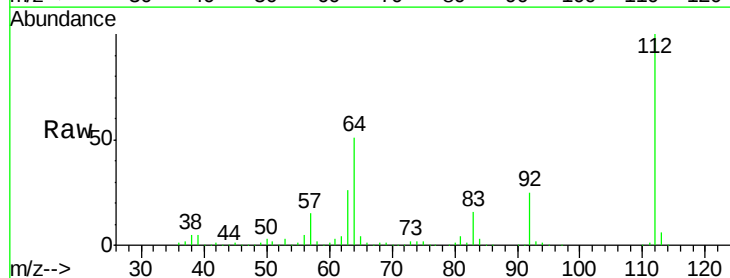
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



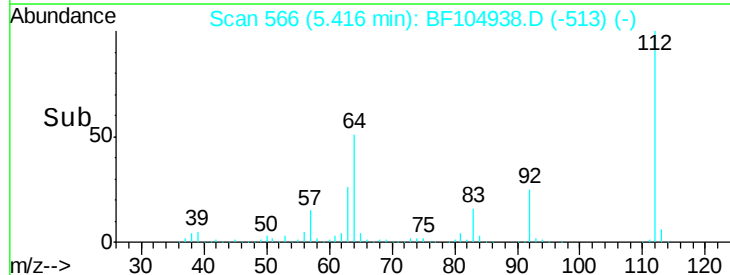
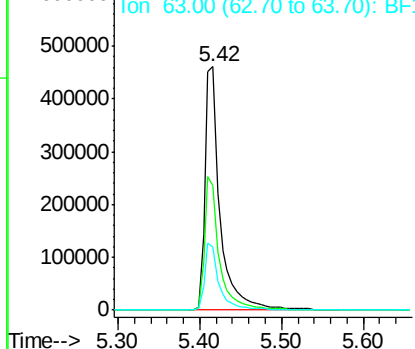
#5

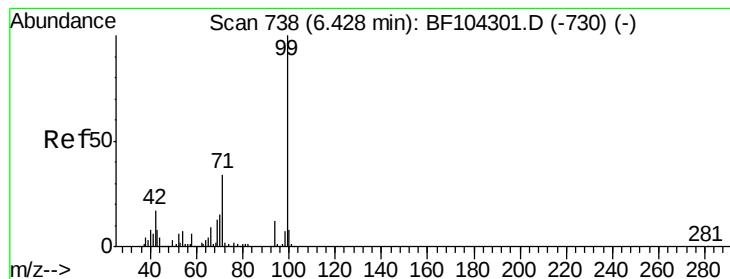
2-Fluorophenol
Concen: 81.79 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF104938.D
Acq: 30 Apr 2018 17:41

Tgt Ion:112 Resp: 595743
Ion Ratio Lower Upper
112 100
64 51.1 47.9 71.9
63 25.8 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: 80.70 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF104938.D

Acq: 30 Apr 2018 17:41

Instrument :

BNA_F

ClientSampleId :

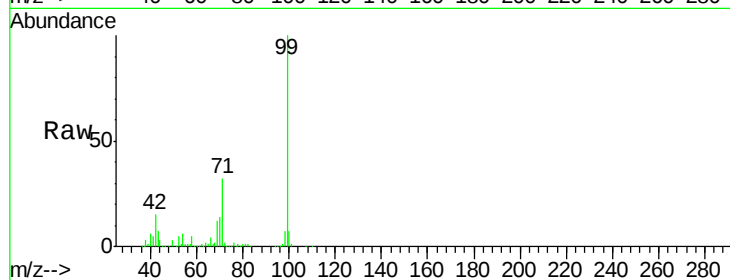
Tot Ion: 99 Resp: 722262

Ion Ratio Lower Upper

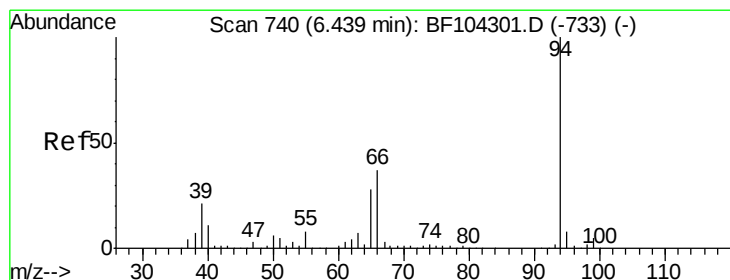
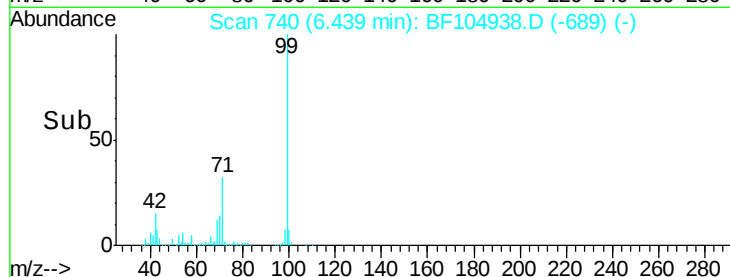
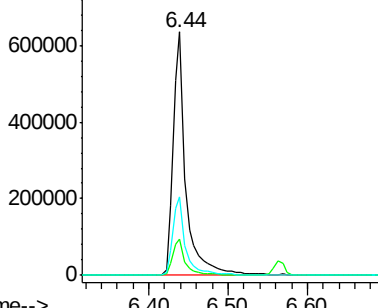
99 100

42 14.9 14.5 21.7

71 32.5 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



#10

Phenol

Concen: 4.33 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF104938.D

Acq: 30 Apr 2018 17:41

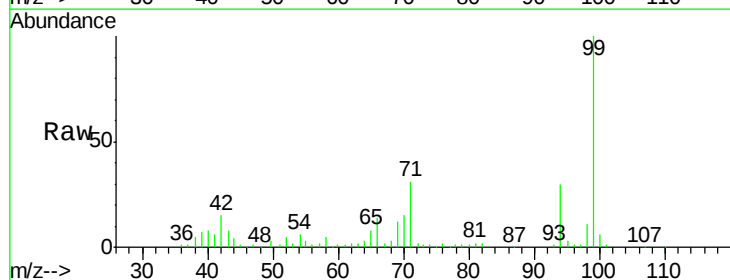
Tgt Ion: 94 Resp: 41148

Ion Ratio Lower Upper

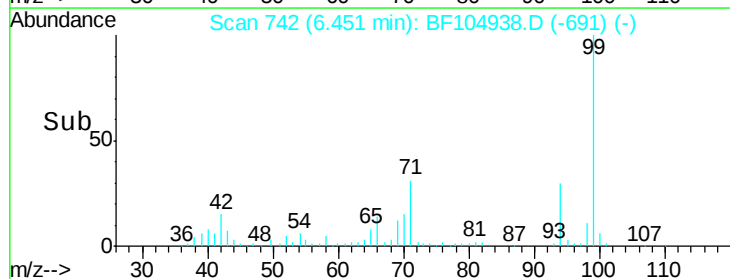
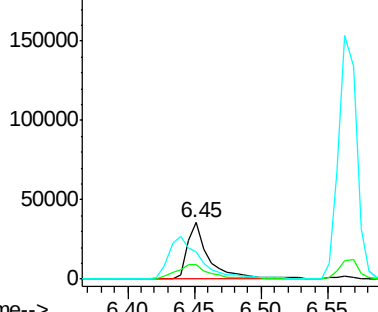
94 100

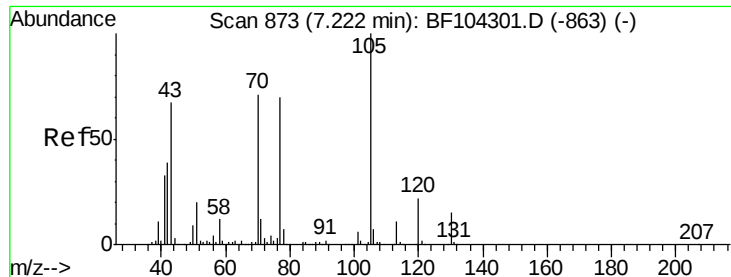
65 25.8 7.9 47.9

66 48.0 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

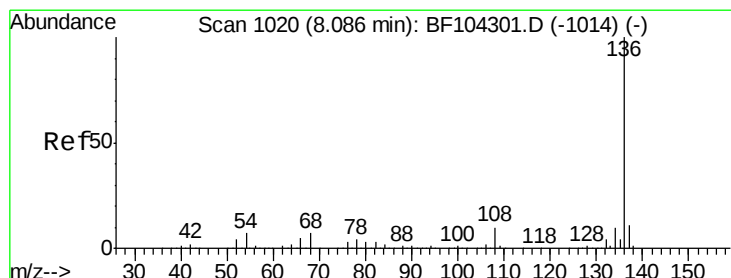
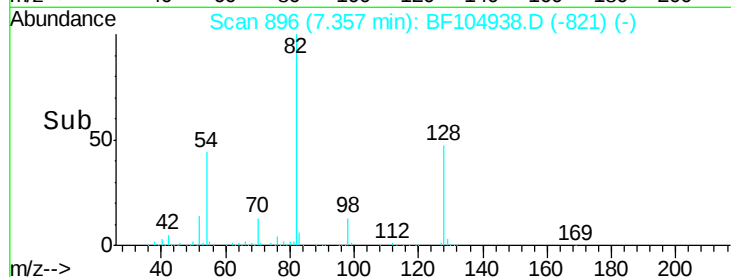
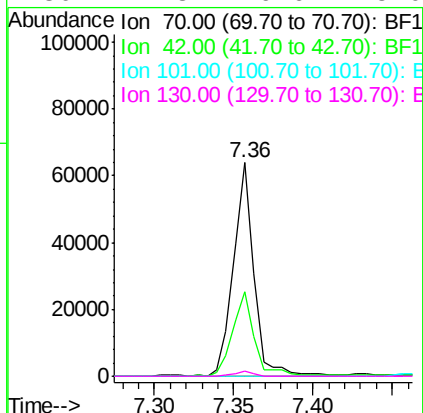
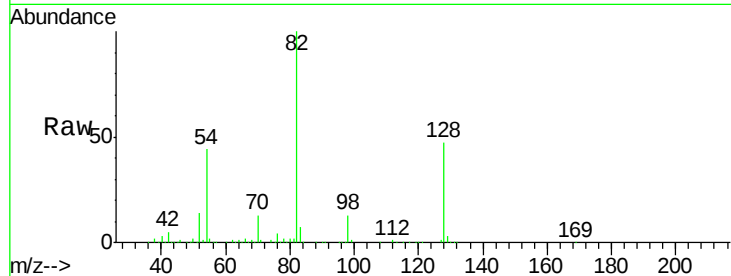




#19
n-Nitroso-di-n-propylamine
Concen: 9.91 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.14 min
Lab File: BF104938.D
Acq: 30 Apr 2018 17:41

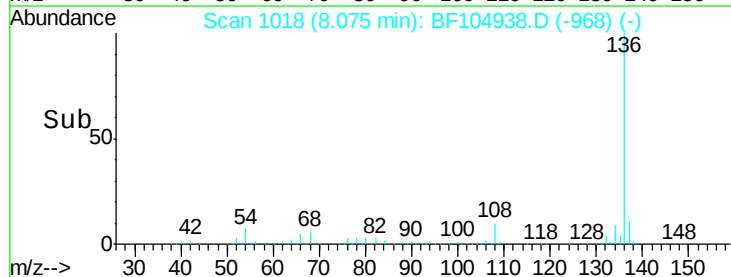
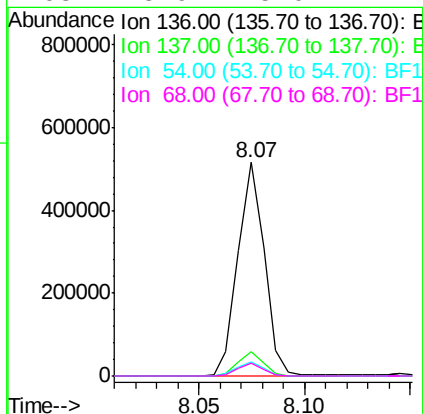
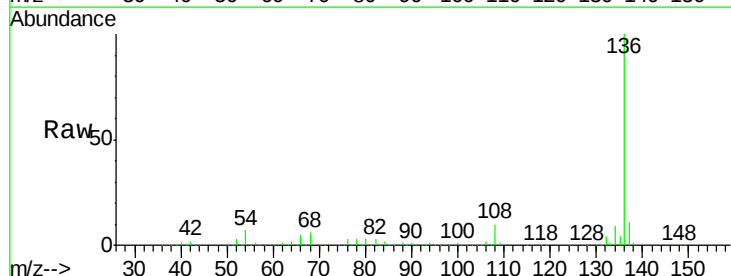
Instrument :
BNA_F
ClientSampleId :

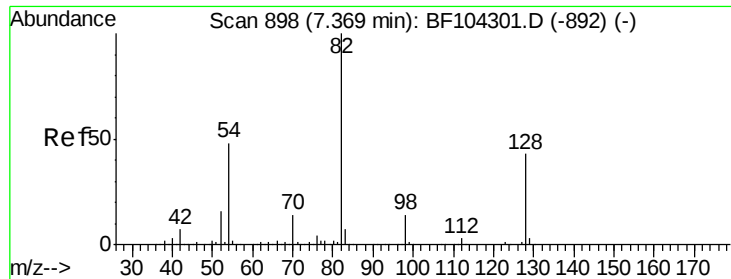
Tot Ion: 70 Resp: 57933
Ion Ratio Lower Upper
70 100
42 39.6 47.5 71.3#
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF104938.D
Acq: 30 Apr 2018 17:41

Tgt Ion: 136 Resp: 447964
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 6.6 6.6 9.8#
68 5.9 5.0 7.4

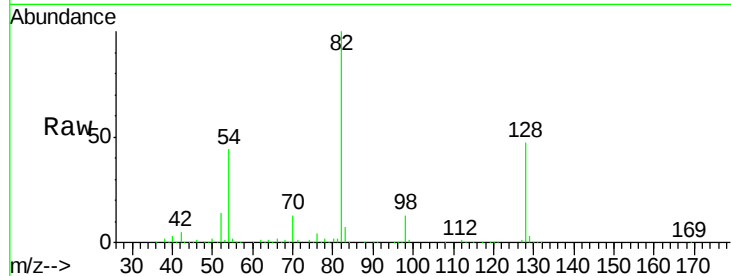




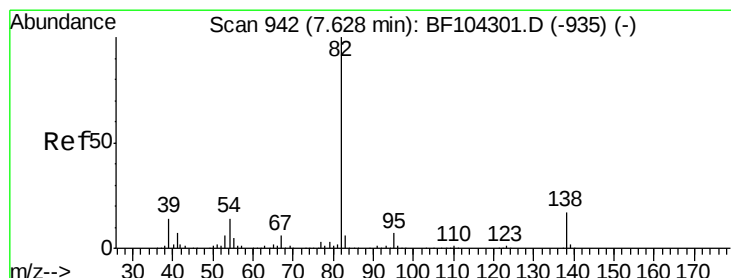
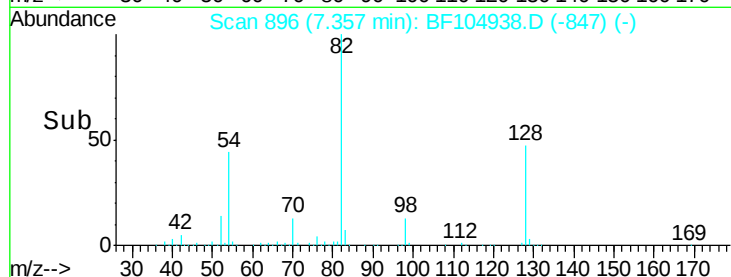
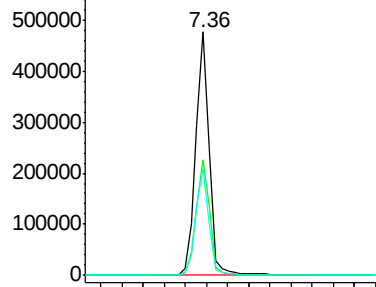
#23
Nitrobenzene-d5
Concen: 62.26 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF104938.D
Acq: 30 Apr 2018 17:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	427115
Ion Ratio	Lower	Upper	
82	100		
128	47.3	36.1	54.1
54	43.8	41.4	62.2

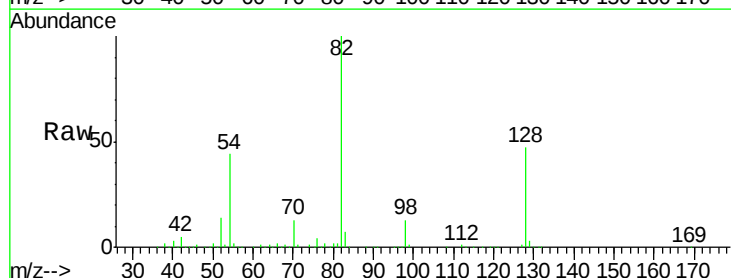


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

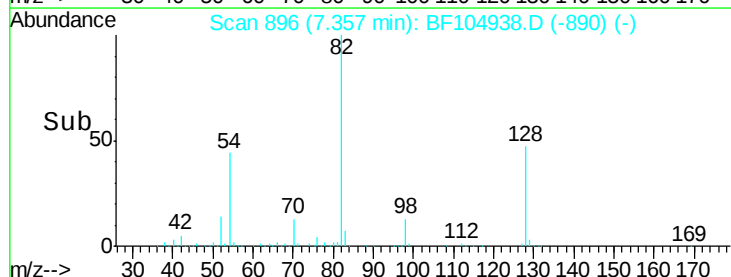
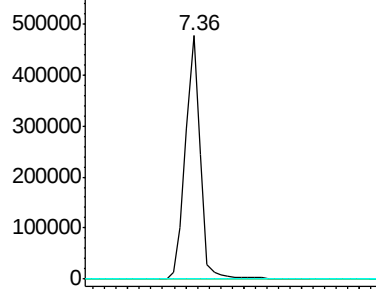


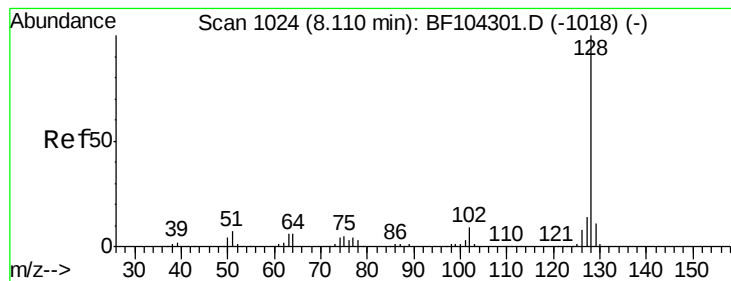
#25
Isophorone
Concen: 29.24 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.26 min
Lab File: BF104938.D
Acq: 30 Apr 2018 17:41

Tgt Ion	82	Resp	424135
Ion Ratio	Lower	Upper	
82	100		
95	0.1	5.2	7.8#
138	0.0	14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 50.45 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF104938.D

Acq: 30 Apr 2018 17:41

Instrument :

BNA_F

ClientSampleId :

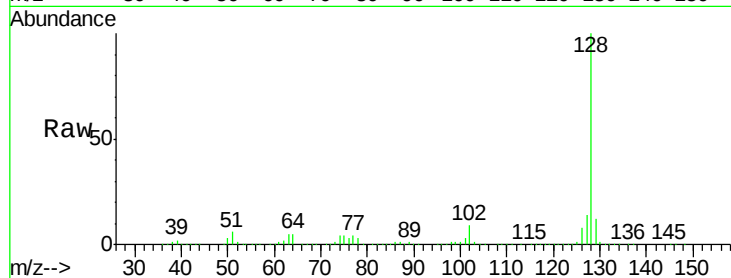
Tot Ion:128 Resp: 1125309

Ion Ratio Lower Upper

128 100

129 11.6 8.8 13.2

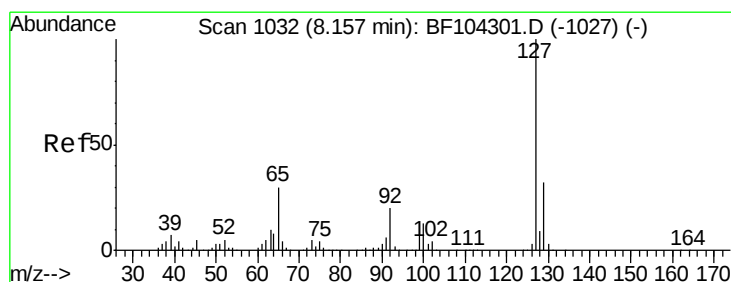
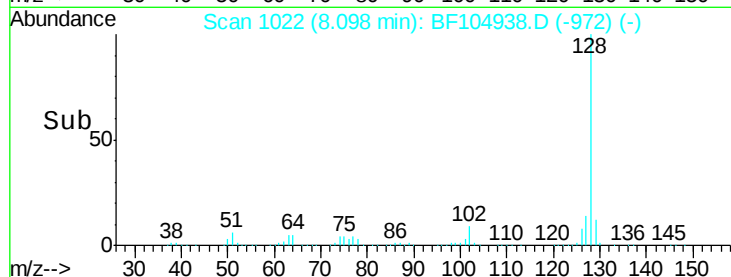
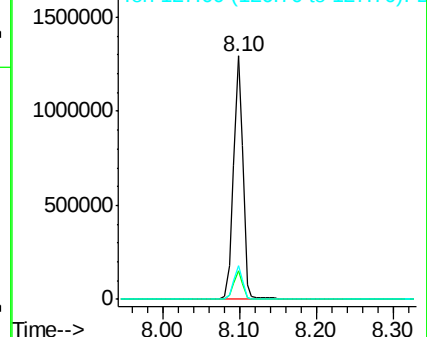
127 13.8 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 15.89 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.06 min

Lab File: BF104938.D

Acq: 30 Apr 2018 17:41

Tgt Ion:127 Resp: 151863

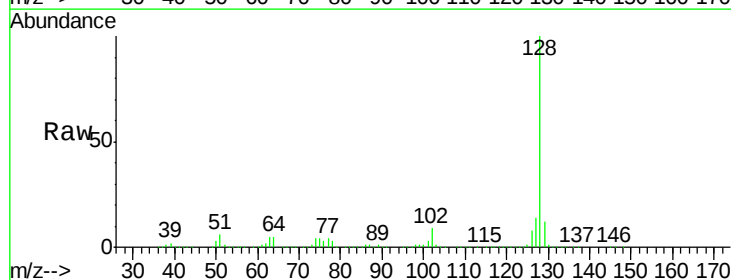
Ion Ratio Lower Upper

127 100

129 84.1 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

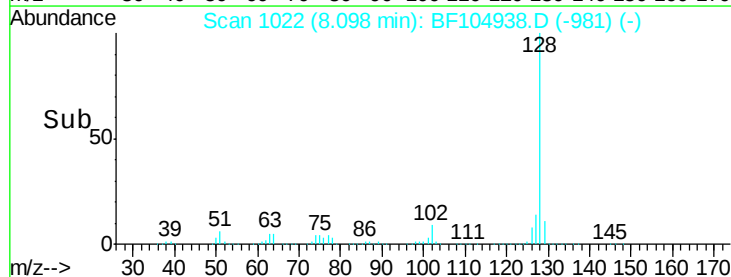
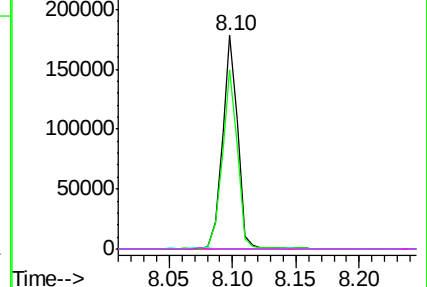


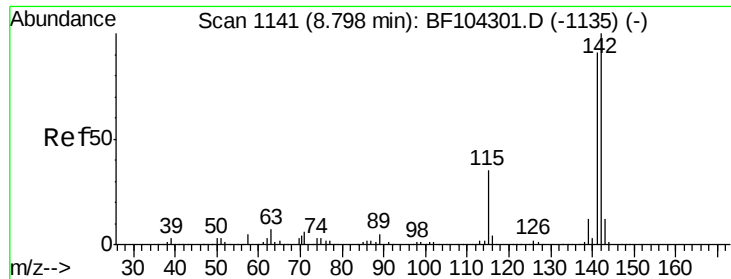
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

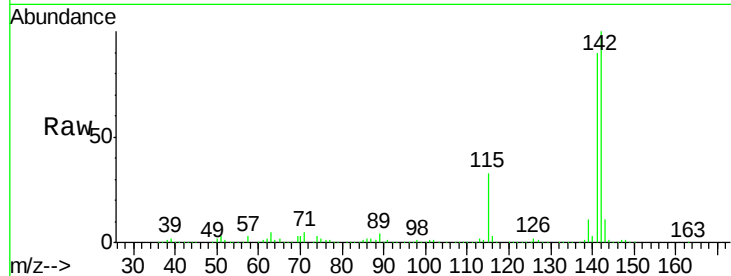




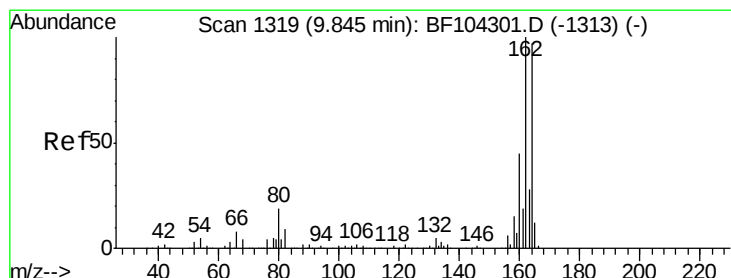
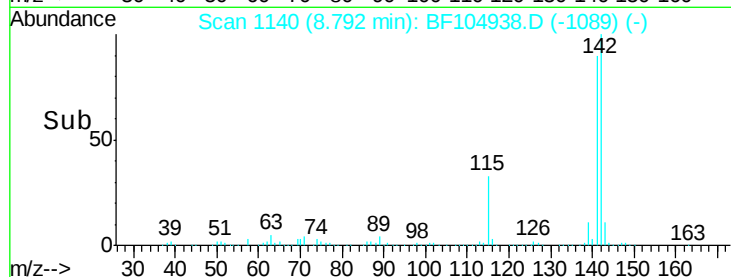
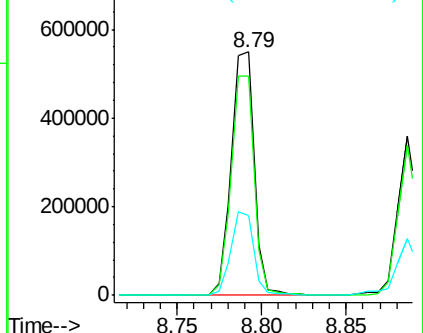
#37
2-Methylnaphthalene
Concen: 36.06 ng
RT: 8.79 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BF104938.D
Acq: 30 Apr 2018 17:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 520302
Ion Ratio Lower Upper
142 100
141 90.0 70.8 106.2
115 32.8 26.1 39.1

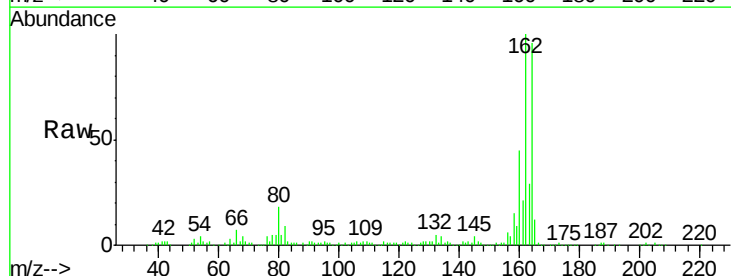


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

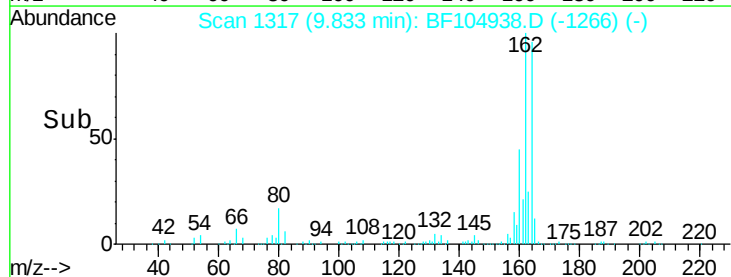
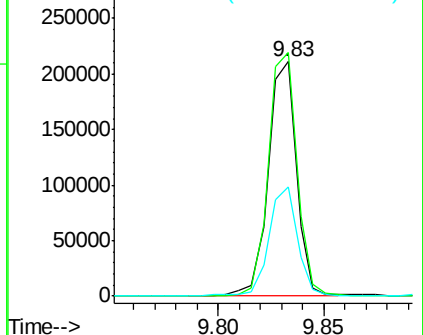


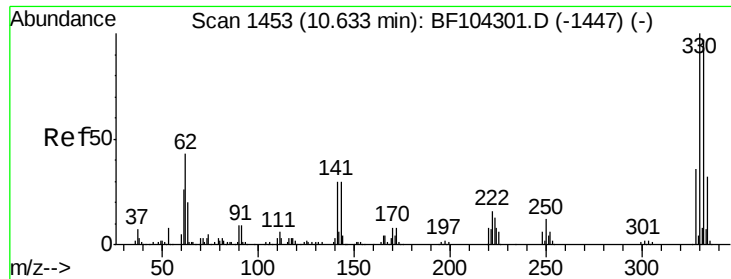
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BF104938.D
Acq: 30 Apr 2018 17:41

Tgt Ion:164 Resp: 196844
Ion Ratio Lower Upper
164 100
162 103.9 86.1 129.1
160 46.6 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

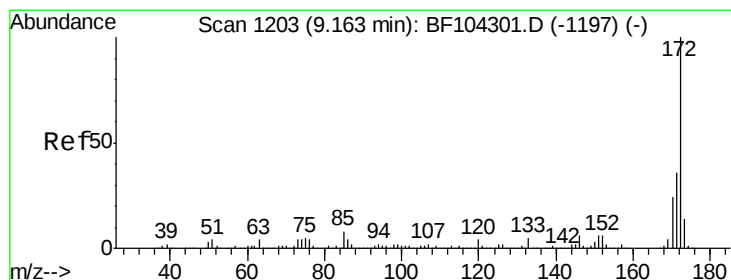
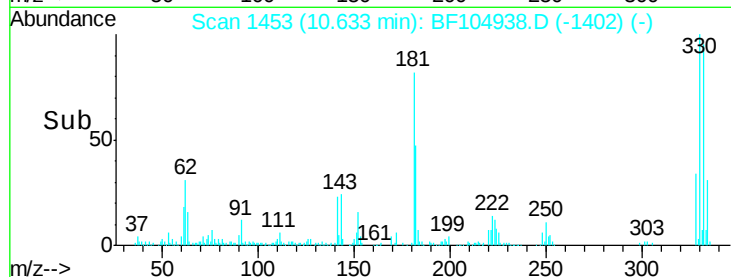
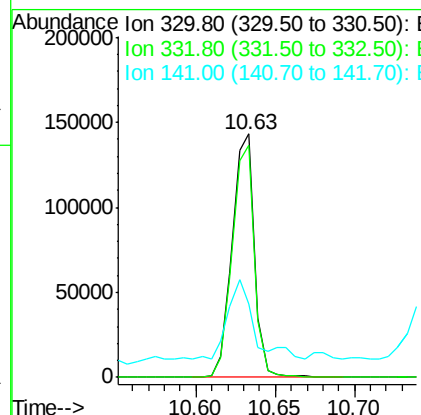
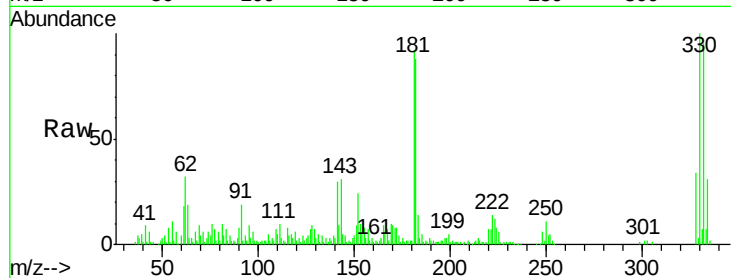




#41
 2,4,6-Tribromophenol
 Concen: 68.36 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.00 min
 Lab File: BF104938.D
 Acq: 30 Apr 2018 17:41

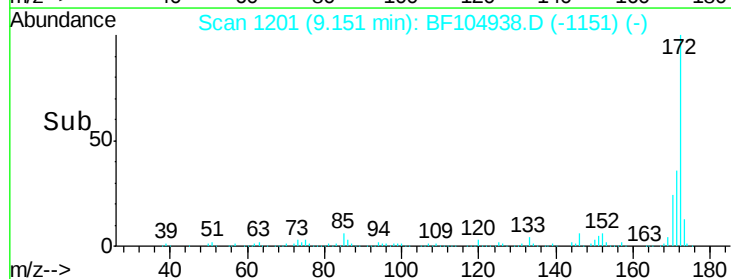
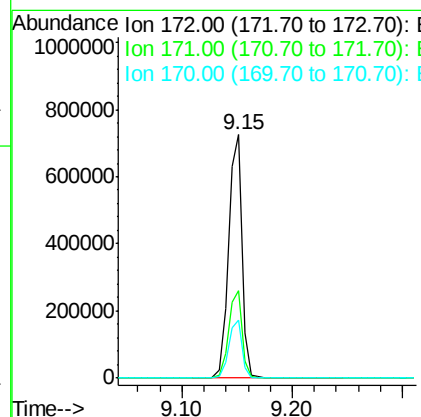
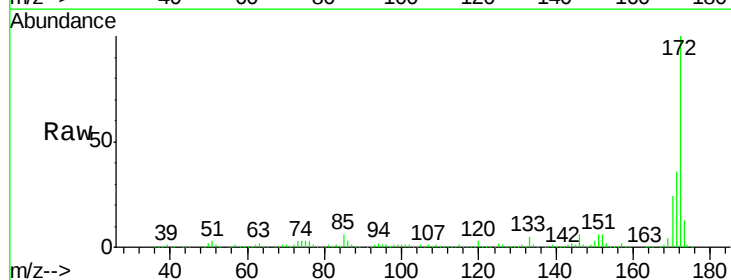
Instrument :
 BNA_F
 ClientSampleId :

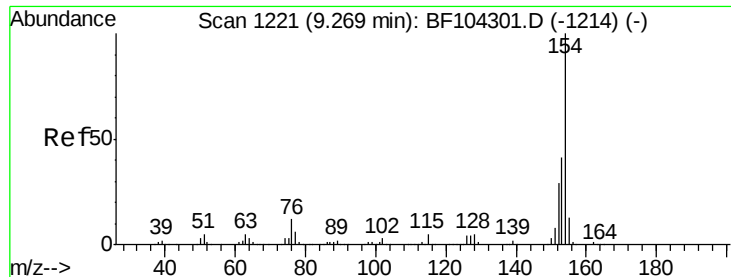
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	33.2	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 49.63 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF104938.D
 Acq: 30 Apr 2018 17:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.7	19.6	29.4





#45

1,1'-Biphenyl

Concen: 10.25 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF104938.D

Acq: 30 Apr 2018 17:41

Instrument :

BNA_F

ClientSampleId :

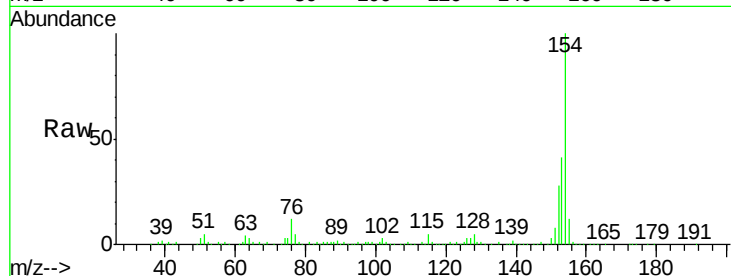
Tot Ion:154 Resp: 169464

Ion Ratio Lower Upper

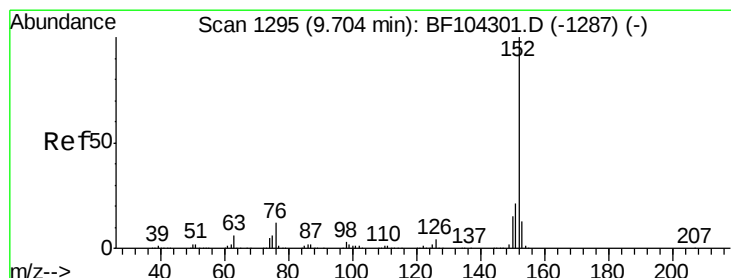
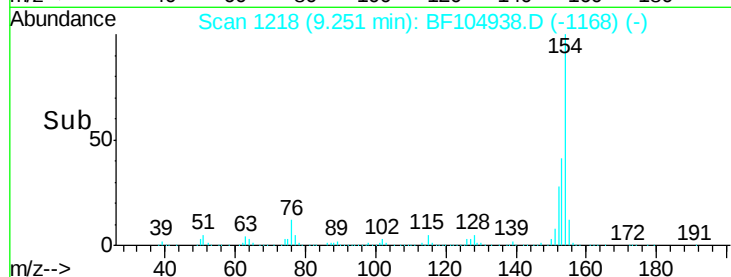
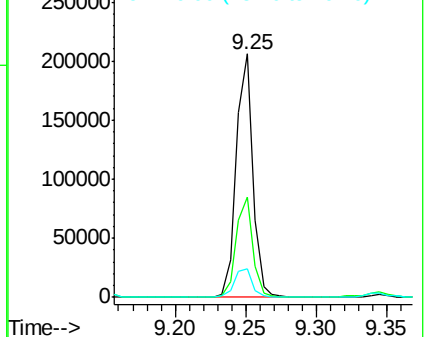
154 100

153 41.2 21.3 61.3

76 11.8 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#48

Acenaphthylene

Concen: 4.66 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF104938.D

Acq: 30 Apr 2018 17:41

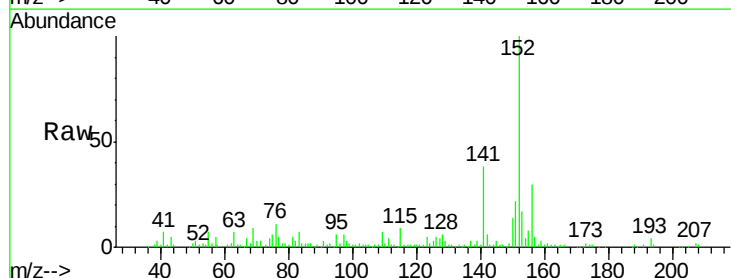
Tgt Ion:152 Resp: 95480

Ion Ratio Lower Upper

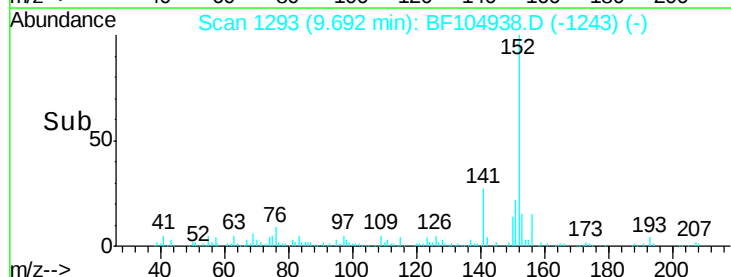
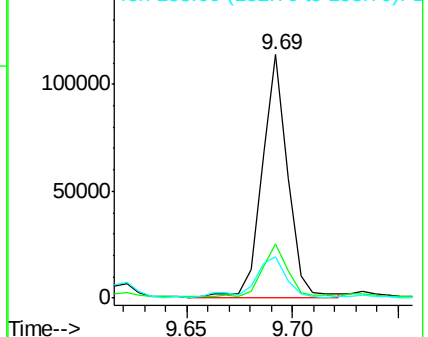
152 100

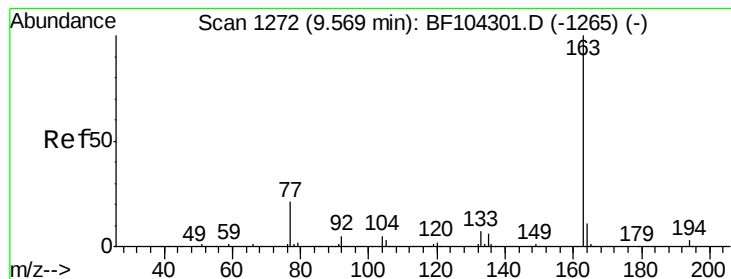
151 22.0 16.3 24.5

153 16.9 10.7 16.1#



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: 5.19 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF104938.D

Acq: 30 Apr 2018 17:41

Instrument :

BNA_F

ClientSampleId :

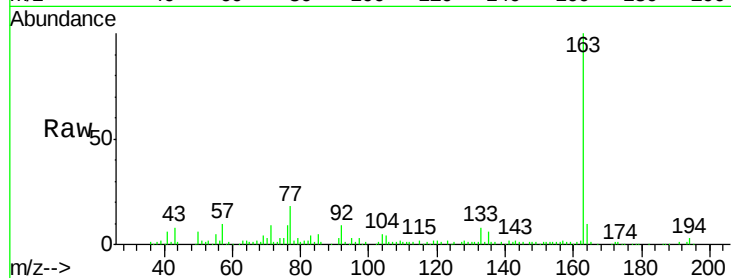
Tot Ion:163 Resp: 80538

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

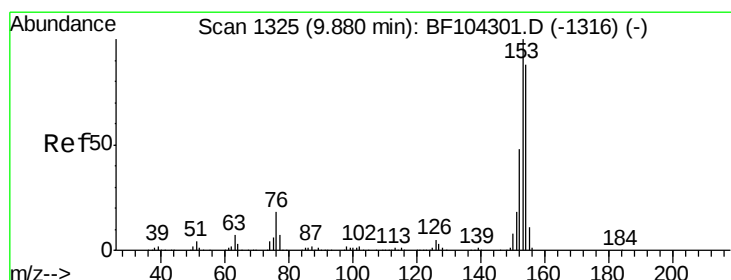
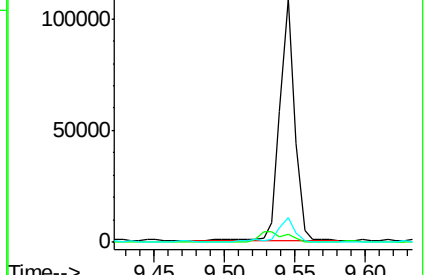
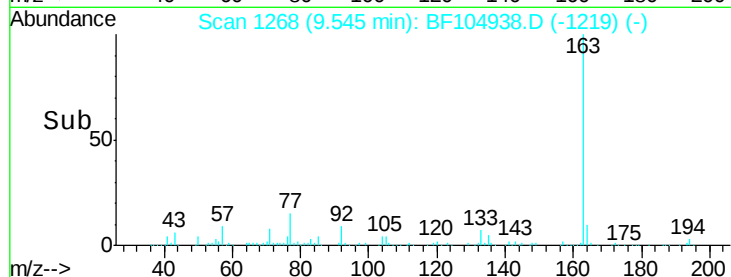
164 10.2 8.2 12.2



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



#51

Acenaphthene

Concen: 53.01 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF104938.D

Acq: 30 Apr 2018 17:41

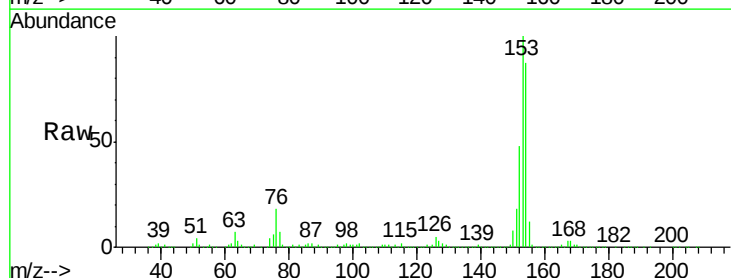
Tgt Ion:154 Resp: 662837

Ion Ratio Lower Upper

154 100

153 115.3 91.2 136.8

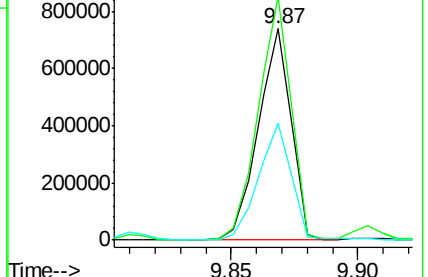
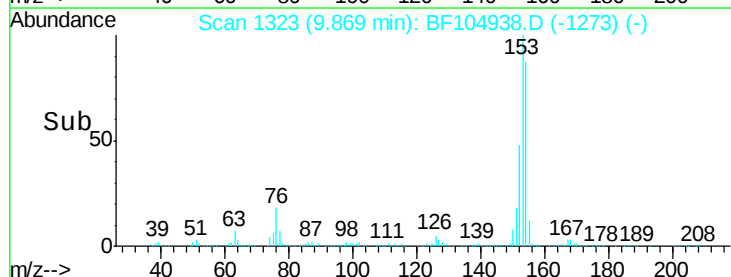
152 55.2 43.8 65.8

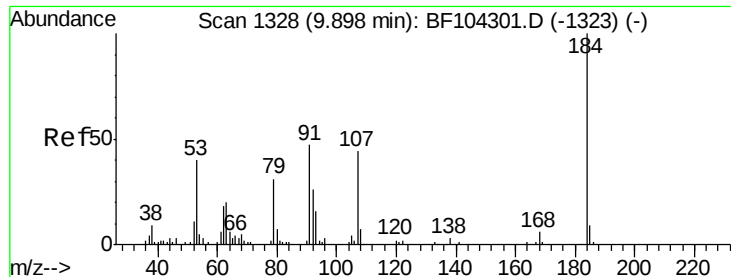


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

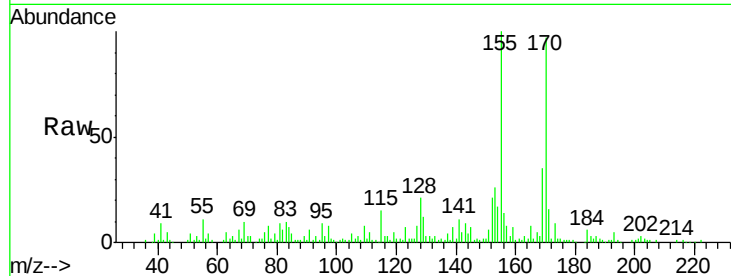




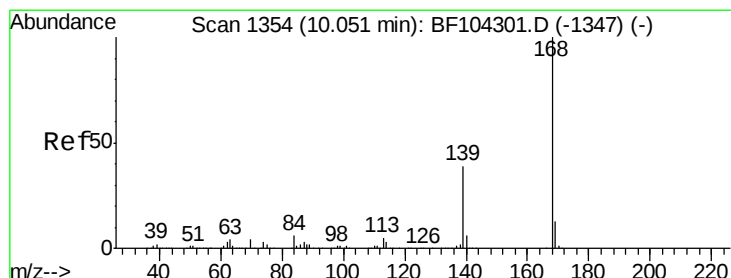
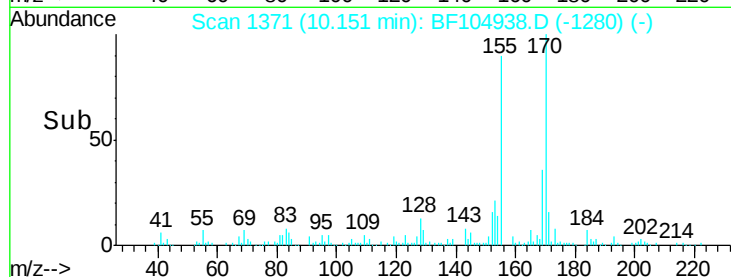
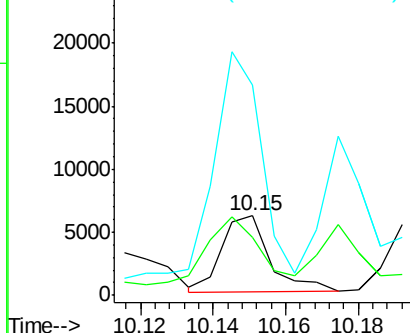
#53
 2,4-Dinitrophenol
 Concen: 11.87 ng
 RT: 10.15 min Scan# 1371
 Delta R.T. 0.24 min
 Lab File: BF104938.D
 Acq: 30 Apr 2018 17:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:184 Resp: 5543
 Ion Ratio Lower Upper
 184 100
 63 73.2 54.2 81.2
 154 264.0 184.0 276.0

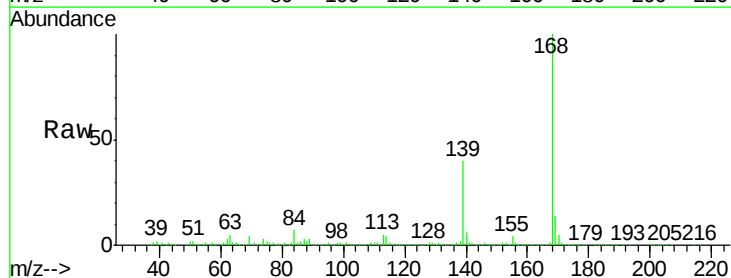


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

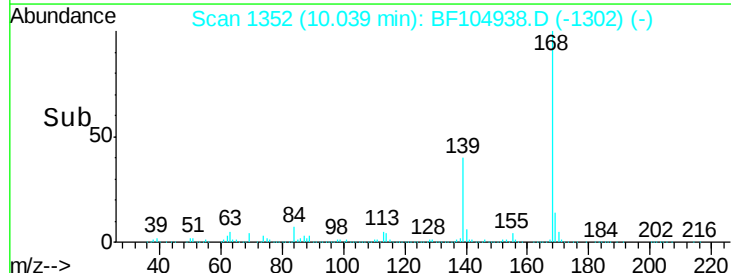
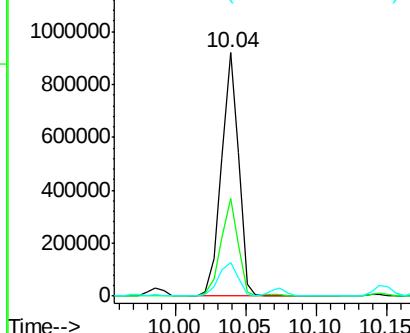


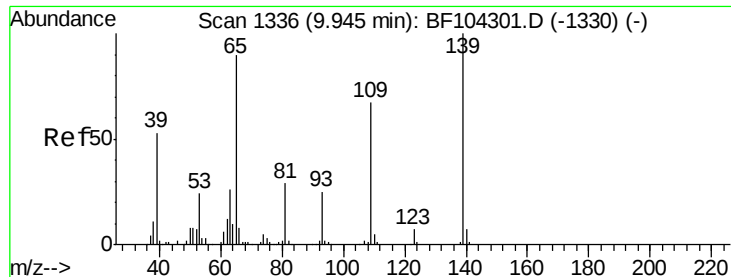
#54
 Dibenzofuran
 Concen: 44.74 ng
 RT: 10.04 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: BF104938.D
 Acq: 30 Apr 2018 17:41

Tgt Ion:168 Resp: 779596
 Ion Ratio Lower Upper
 168 100
 139 40.2 30.1 45.1
 169 14.1 10.9 16.3



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: 116.81 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.06 min

Lab File: BF104938.D

Acq: 30 Apr 2018 17:41

Instrument :

BNA_F

ClientSampled :

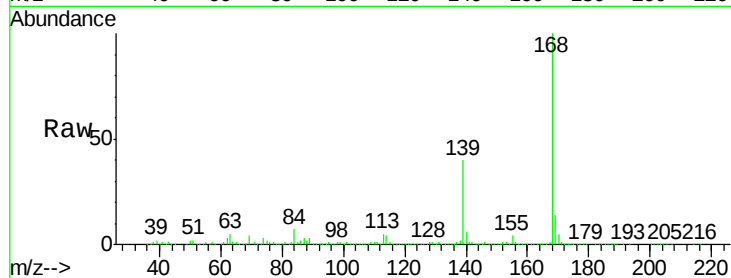
Tot Ion:139 Resp: 308545

Ion Ratio Lower Upper

139 100

109 1.9 48.4 88.4#

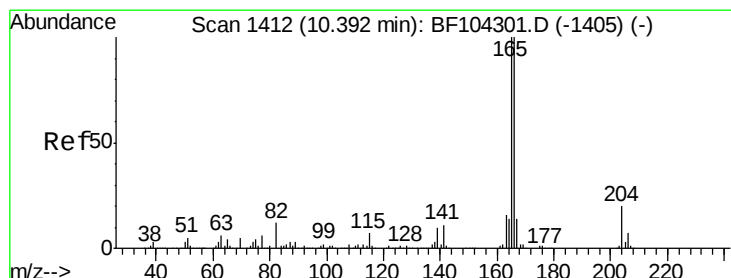
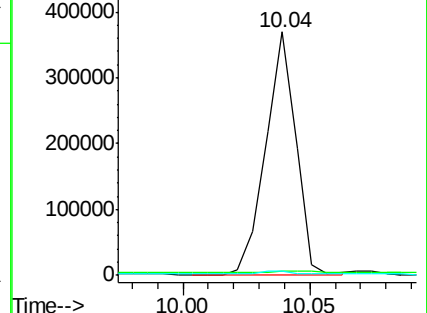
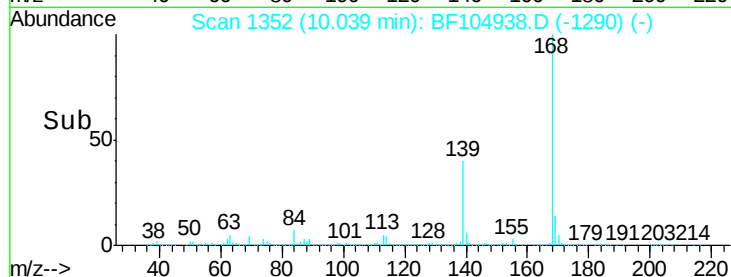
65 1.8 72.6 112.6#



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): BF1



#57

Fluorene

Concen: 57.70 ng

RT: 10.39 min Scan# 1411

Delta R.T. -0.00 min

Lab File: BF104938.D

Acq: 30 Apr 2018 17:41

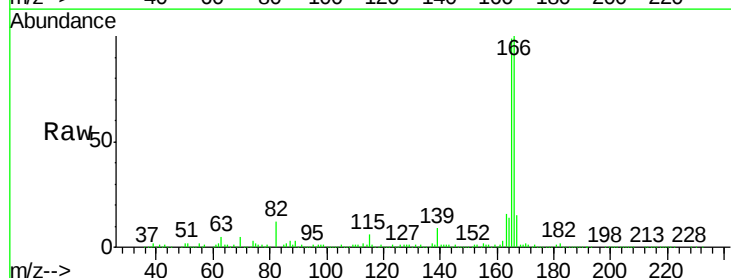
Tgt Ion:166 Resp: 731797

Ion Ratio Lower Upper

166 100

165 99.1 79.8 119.8

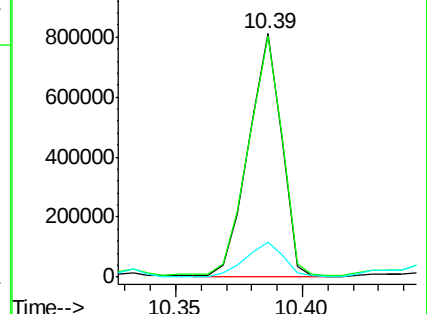
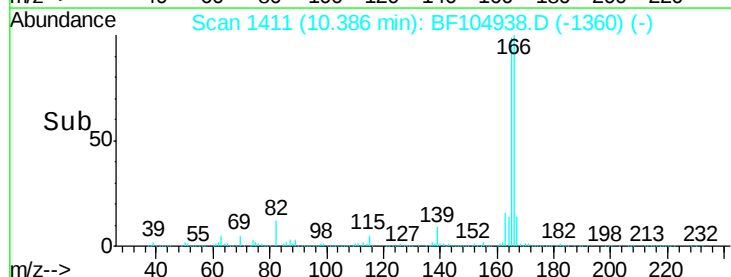
167 14.6 10.6 16.0

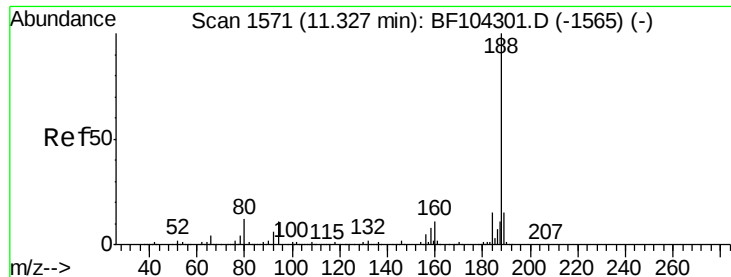


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.01 min

Lab File: BF104938.D

Acq: 30 Apr 2018 17:41

Instrument :

BNA_F

ClientSampled :

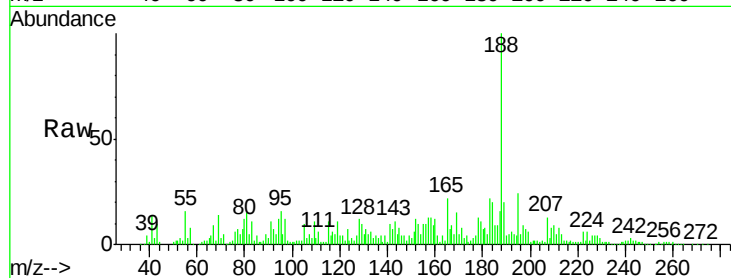
Tot Ion:188 Resp: 256918

Ion Ratio Lower Upper

188 100

94 12.2 8.5 12.7

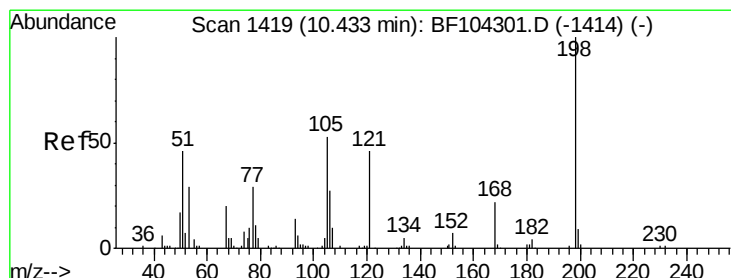
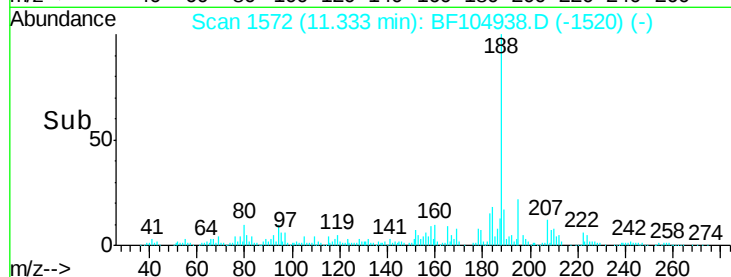
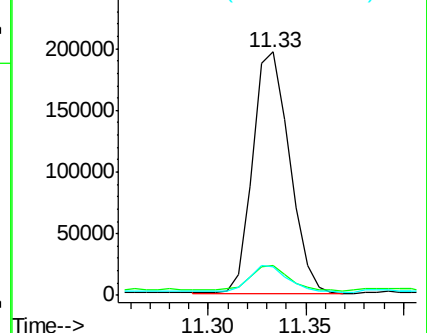
80 11.7 9.2 13.8



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: 11.65 ng

RT: 10.57 min Scan# 1442

Delta R.T. 0.12 min

Lab File: BF104938.D

Acq: 30 Apr 2018 17:41

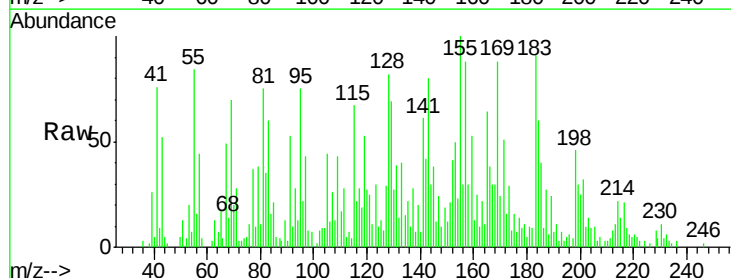
Tgt Ion:198 Resp: 6352

Ion Ratio Lower Upper

198 100

51 28.3 37.7 77.7#

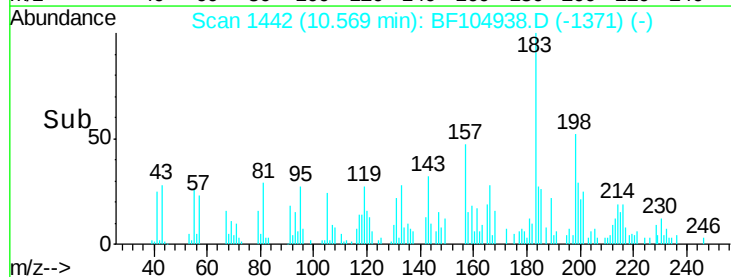
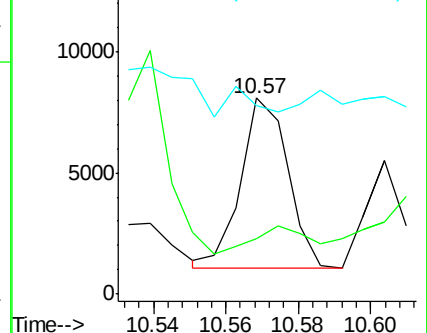
105 95.9 36.3 76.3#

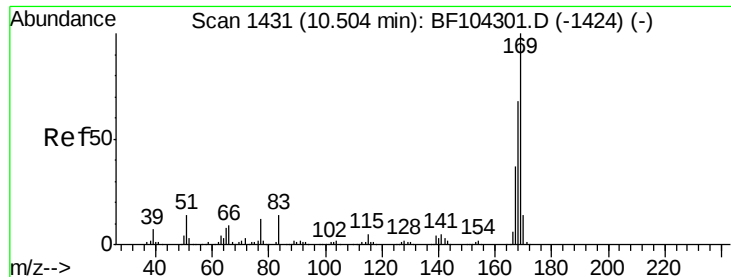


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 8.25 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.01 min

Lab File: BF104938.D

Acq: 30 Apr 2018 17:41

Instrument :

BNA_F

ClientSampleId :

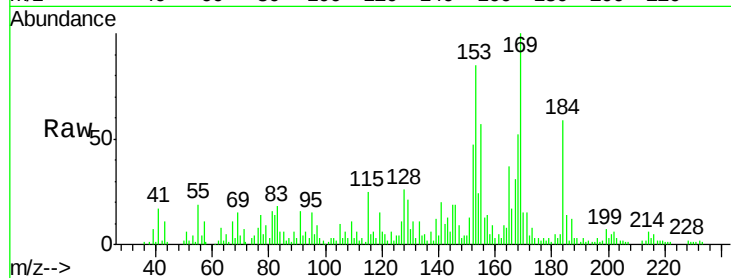
Tot Ion:169 Resp: 73496

Ion Ratio Lower Upper

169 100

168 51.9 54.4 81.6#

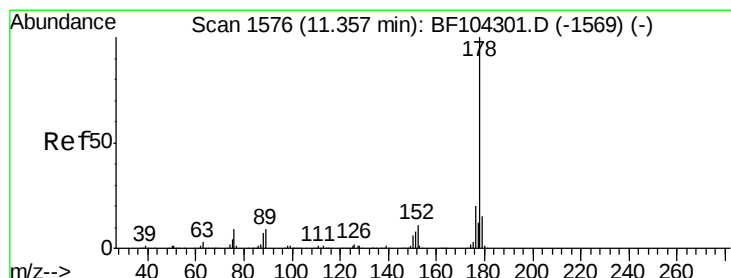
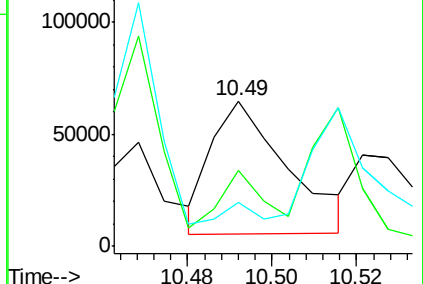
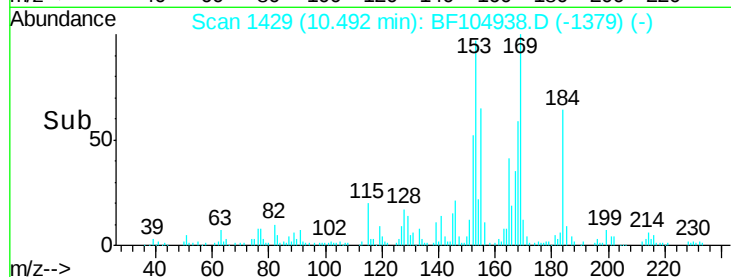
167 30.6 29.8 44.6



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: 157.85 ng

RT: 11.37 min Scan# 1579

Delta R.T. 0.02 min

Lab File: BF104938.D

Acq: 30 Apr 2018 17:41

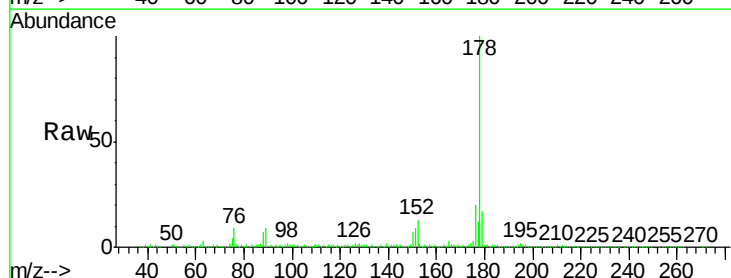
Tgt Ion:178 Resp: 2258444

Ion Ratio Lower Upper

178 100

176 20.4 15.8 23.8

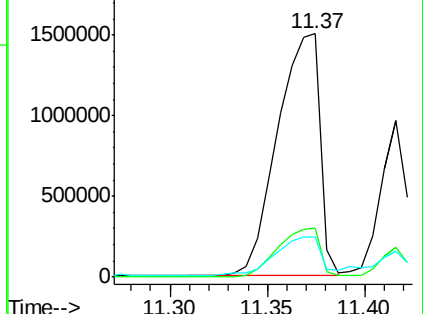
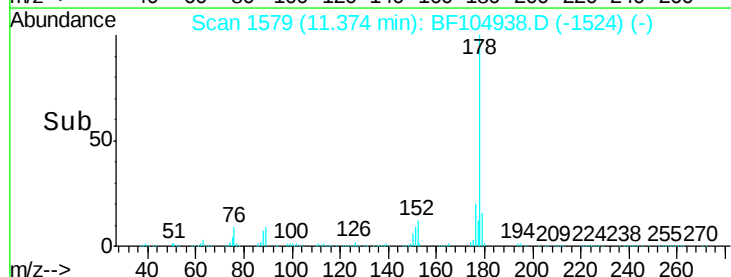
179 16.6 13.0 19.6

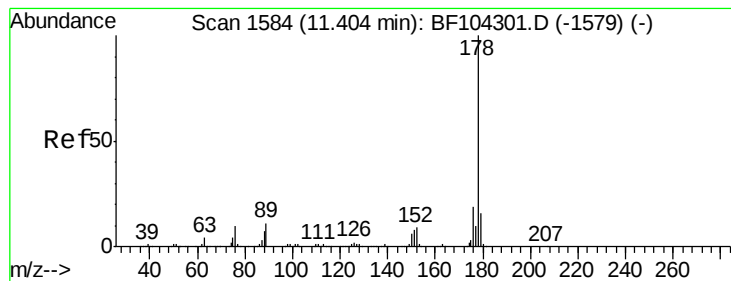


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 56.91 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.01 min

Lab File: BF104938.D

Acq: 30 Apr 2018 17:41

Instrument :

BNA_F

ClientSampleId :

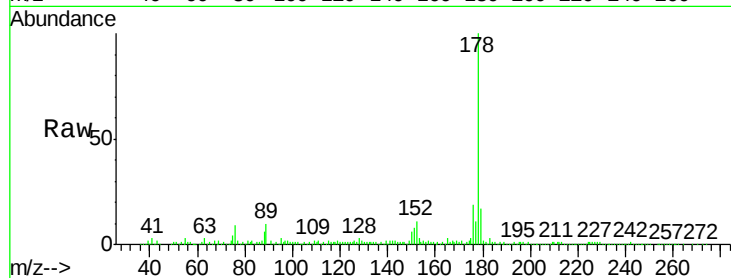
Tot Ion:178 Resp: 827645

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

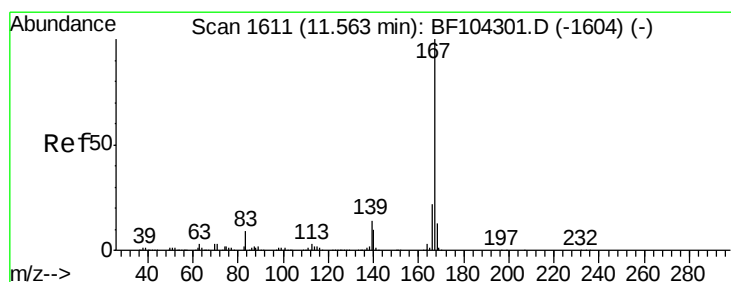
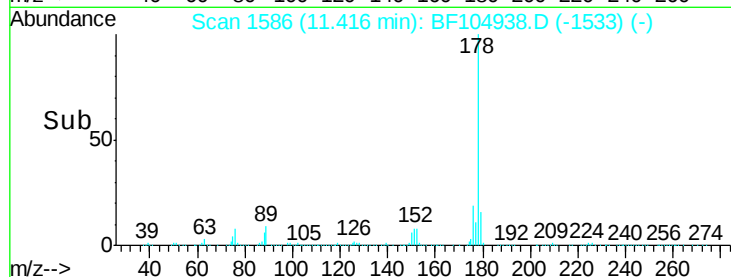
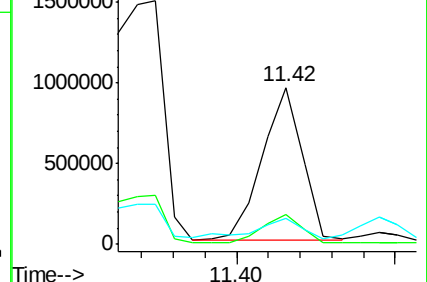
179 16.7 12.6 19.0



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



#72

Carbazole

Concen: 13.49 ng

RT: 11.57 min Scan# 1612

Delta R.T. 0.01 min

Lab File: BF104938.D

Acq: 30 Apr 2018 17:41

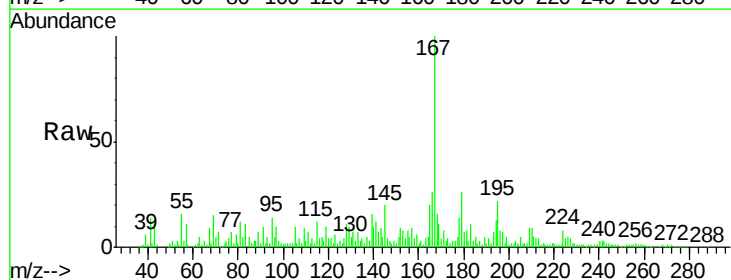
Tgt Ion:167 Resp: 191672

Ion Ratio Lower Upper

167 100

166 25.9 17.6 26.4

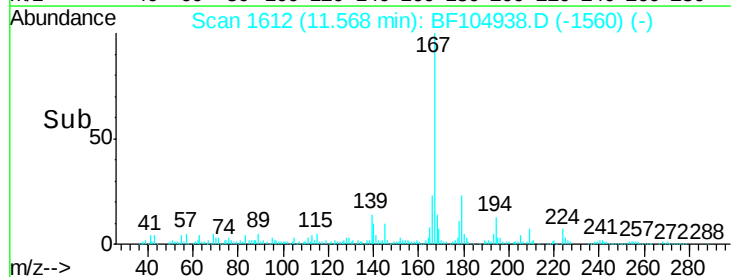
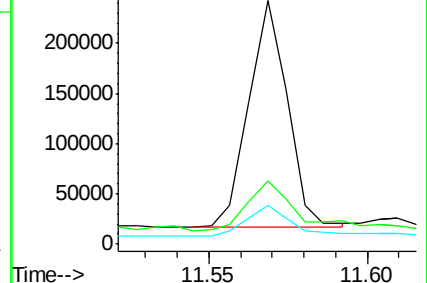
139 15.8 10.9 16.3

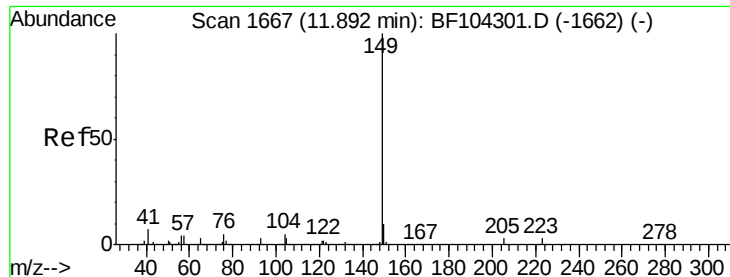


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 2.50 ng

RT: 11.89 min Scan# 1667

Delta R.T. 0.01 min

Lab File: BF104938.D

Acq: 30 Apr 2018 17:41

Instrument :

BNA_F

ClientSampled :

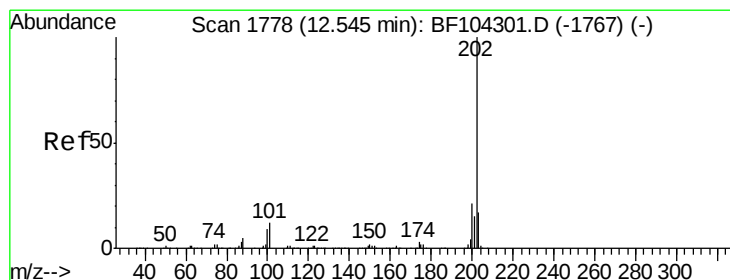
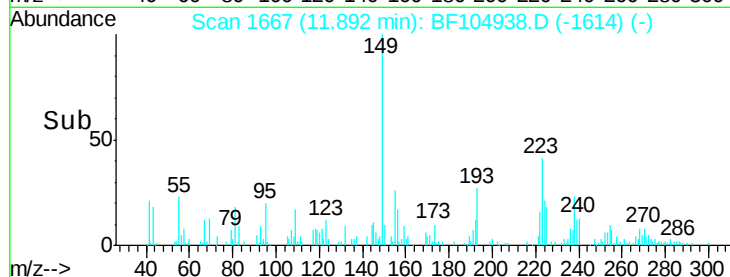
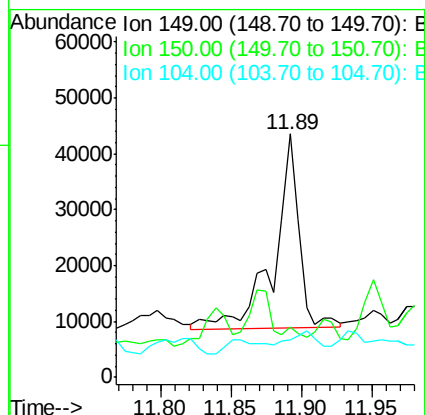
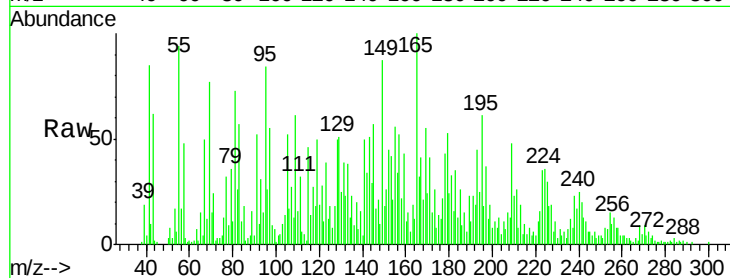
Tot Ion:149 Resp: 43375

Ion Ratio Lower Upper

149 100

150 20.4 7.8 11.6#

104 15.6 3.8 5.8#



#74

Fluoranthene

Concen: 128.10 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.04 min

Lab File: BF104938.D

Acq: 30 Apr 2018 17:41

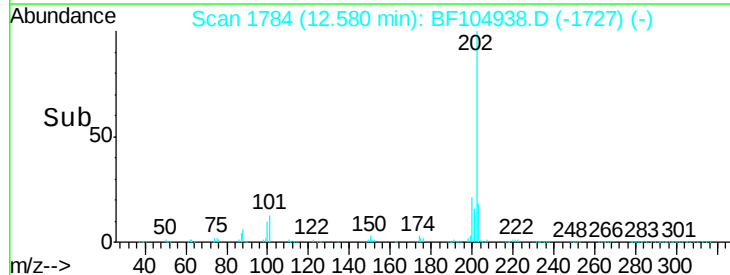
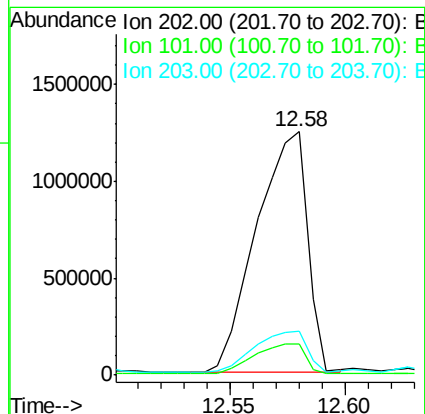
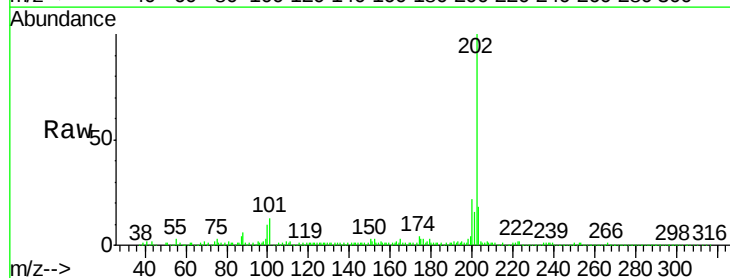
Tgt Ion:202 Resp: 1914924

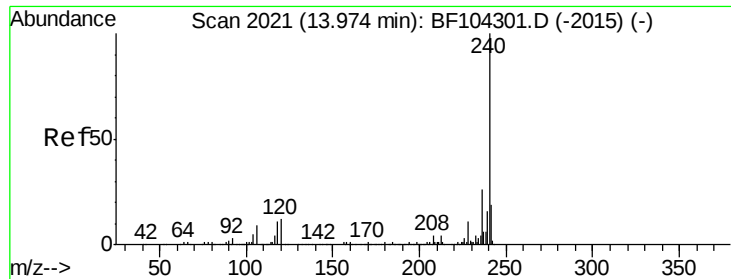
Ion Ratio Lower Upper

202 100

101 12.9 0.0 34.1

203 18.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.02 min

Lab File: BF104938.D

Acq: 30 Apr 2018 17:41

Instrument :

BNA_F

ClientSampleId :

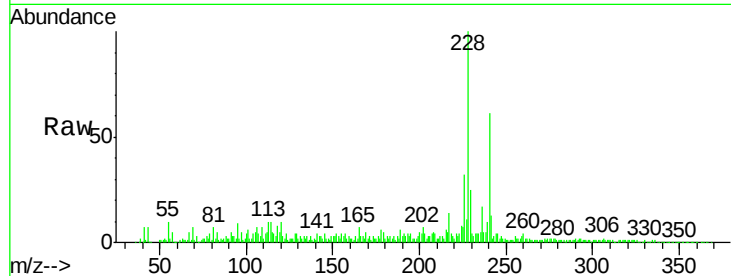
Tot Ion:240 Resp: 167903

Ion Ratio Lower Upper

240 100

120 16.3 9.5 14.3#

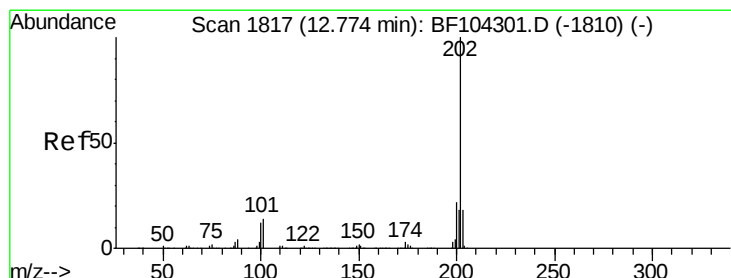
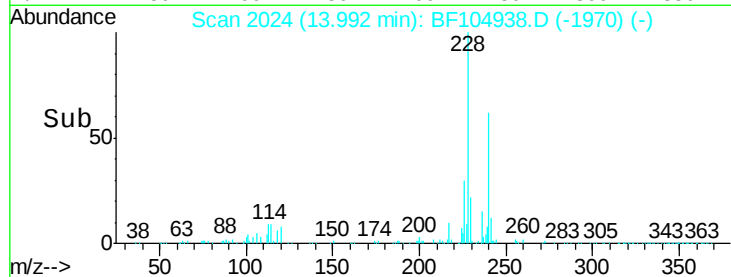
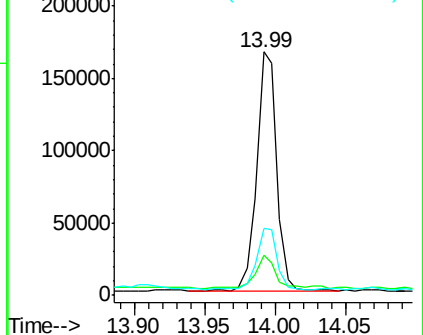
236 27.7 20.7 31.1



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

Pyrene

Concen: 119.77 ng

RT: 12.81 min Scan# 1823

Delta R.T. 0.04 min

Lab File: BF104938.D

Acq: 30 Apr 2018 17:41

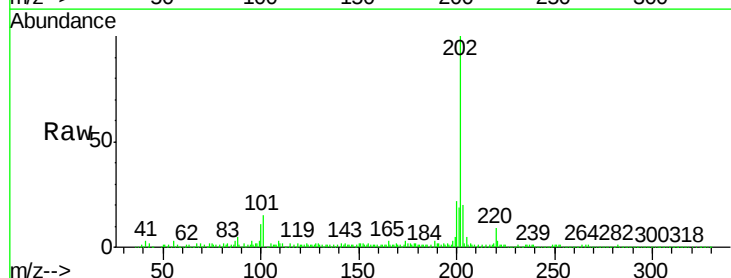
Tgt Ion:202 Resp: 1490649

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

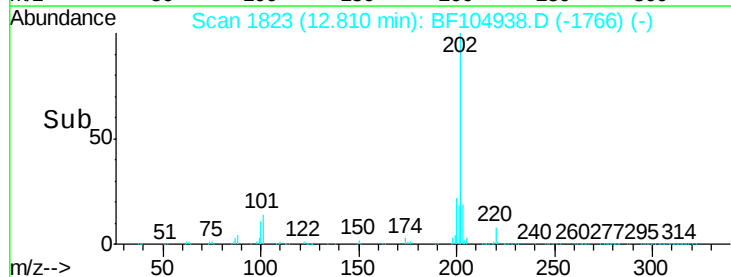
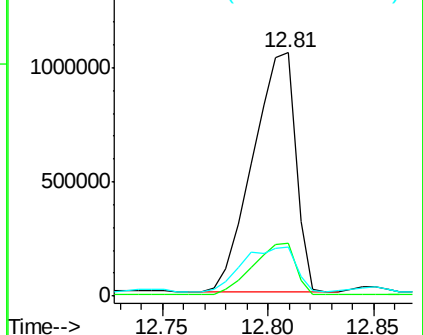
203 20.2 14.3 21.5

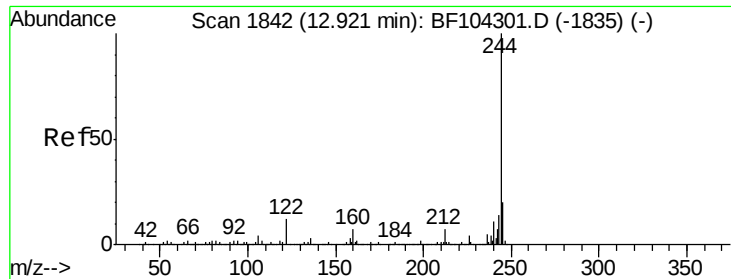


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

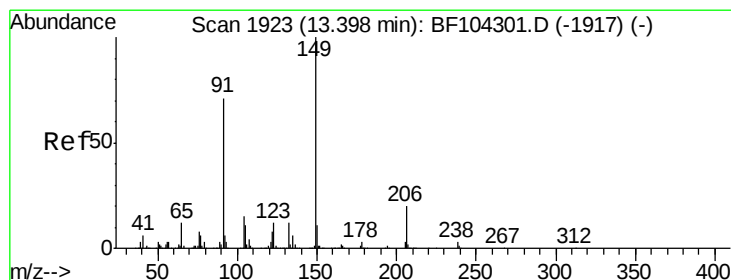
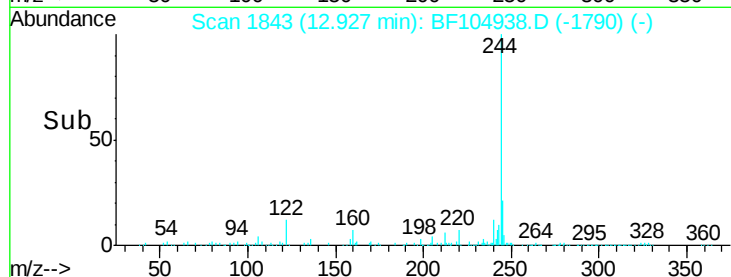
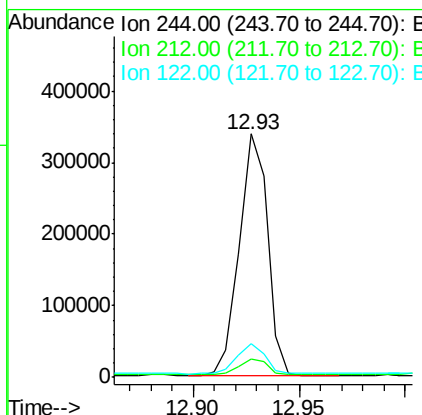
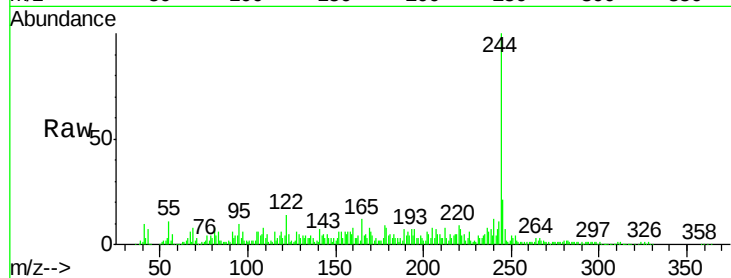




#78
 Terphenyl-d14
 Concen: 42.53 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: BF104938.D
 Acq: 30 Apr 2018 17:41

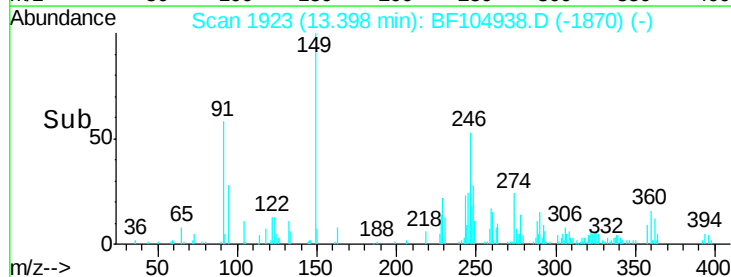
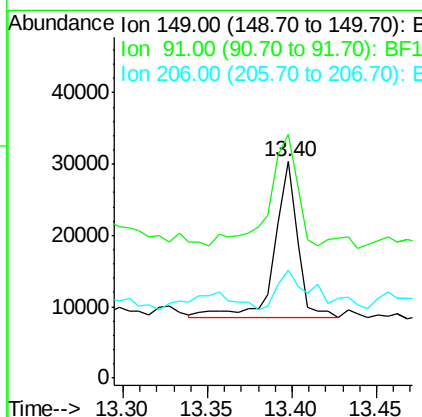
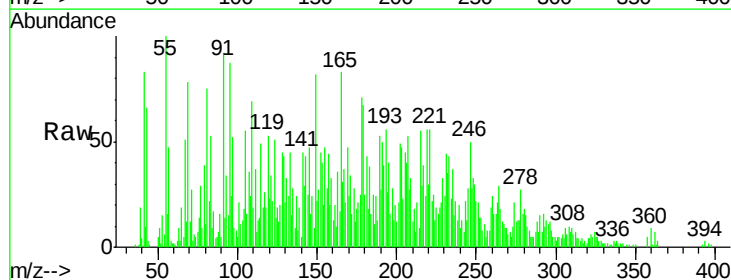
Instrument :
 BNA_F
 ClientSampleId :

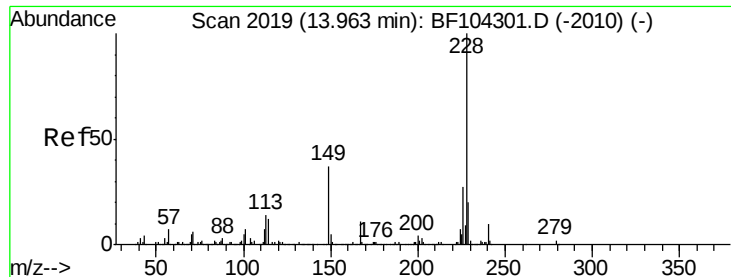
Tot Ion:244 Resp: 313253
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.4 8.0
 122 13.7 11.0 16.4



#79
 Butylbenzylphthalate
 Concen: 3.43 ng
 RT: 13.40 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: BF104938.D
 Acq: 30 Apr 2018 17:41

Tgt Ion:149 Resp: 20103
 Ion Ratio Lower Upper
 149 100
 91 112.4 56.8 85.2#
 206 49.6 14.1 21.1#

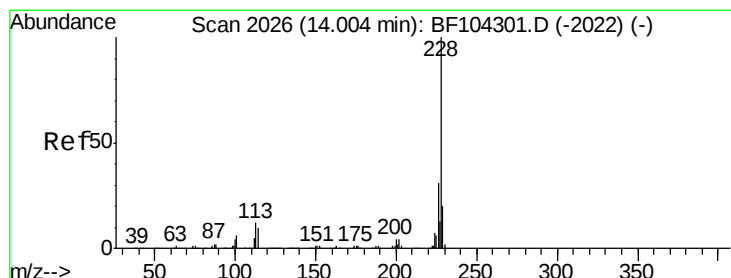
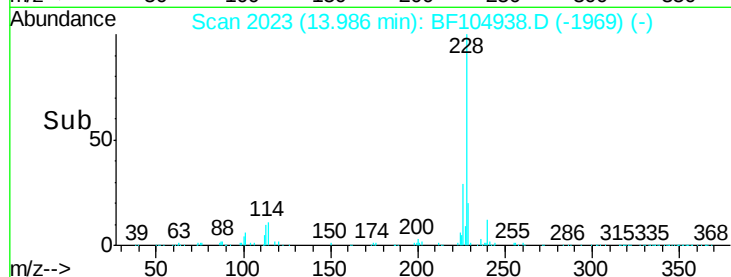
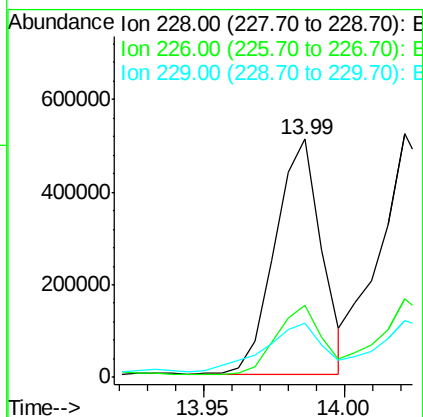
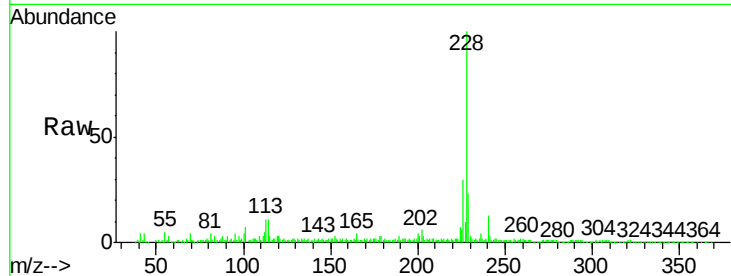




#80
Benzo(a)anthracene
Concen: 57.73 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.02 min
Lab File: BF104938.D
Acq: 30 Apr 2018 17:41

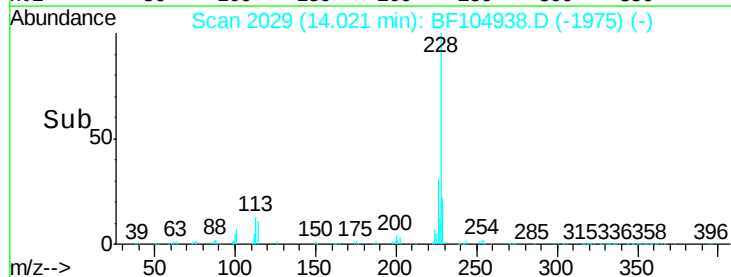
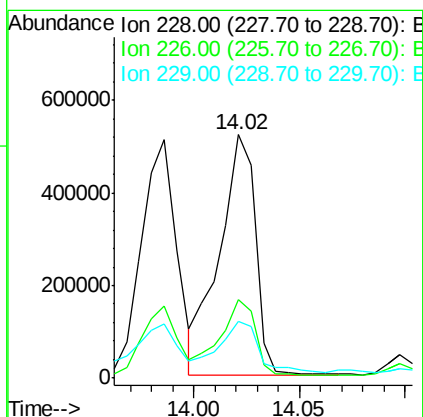
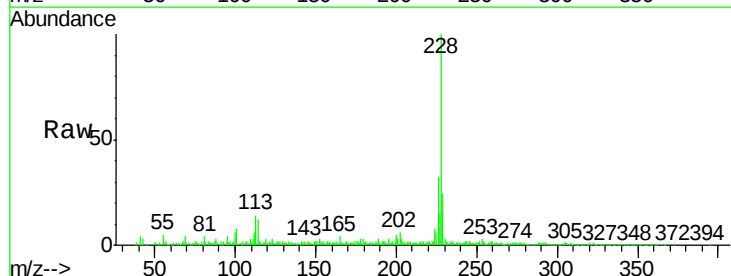
Instrument :
BNA_F
ClientSampleId :

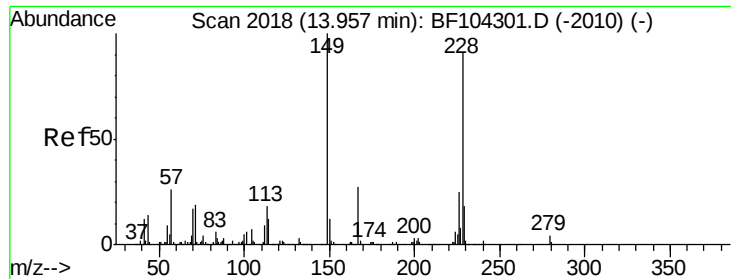
Tot Ion:228 Resp: 579102
Ion Ratio Lower Upper
228 100
226 30.1 22.6 33.8
229 22.6 15.8 23.6



#82
Chrysene
Concen: 59.49 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.02 min
Lab File: BF104938.D
Acq: 30 Apr 2018 17:41

Tgt Ion:228 Resp: 612929
Ion Ratio Lower Upper
228 100
226 32.1 25.0 37.6
229 23.6 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 53.19 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.01 min

Lab File: BF104938.D

Acq: 30 Apr 2018 17:41

Instrument :

BNA_F

ClientSampleId :

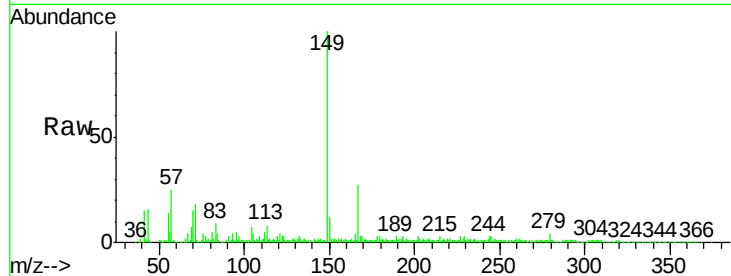
Tot Ion:149 Resp: 401129

Ion Ratio Lower Upper

149 100

167 27.1 21.3 31.9

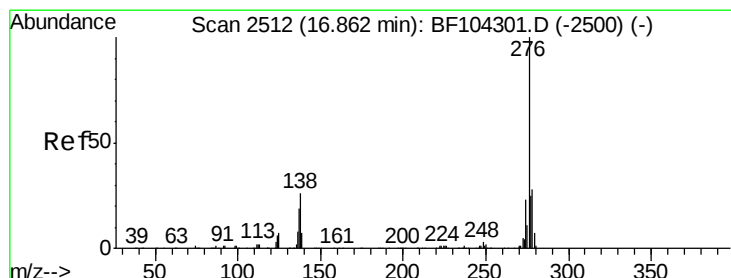
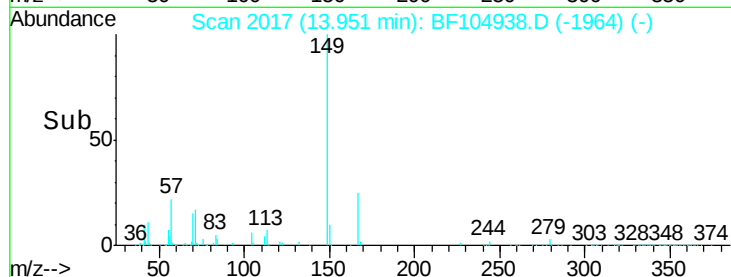
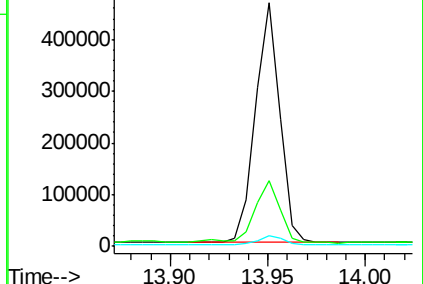
279 4.1 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 14.82 ng

RT: 16.91 min Scan# 2520

Delta R.T. 0.01 min

Lab File: BF104938.D

Acq: 30 Apr 2018 17:41

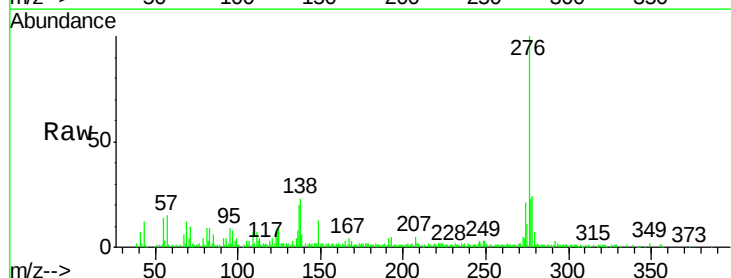
Tgt Ion:276 Resp: 129674

Ion Ratio Lower Upper

276 100

138 23.7 25.0 37.6#

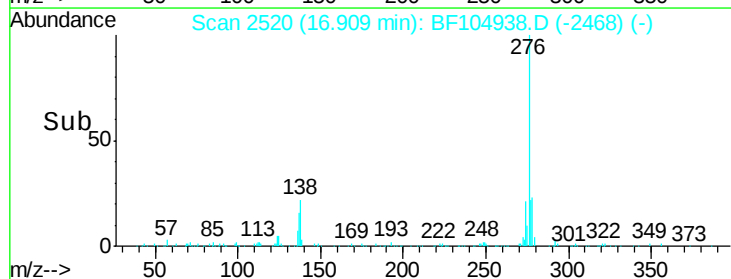
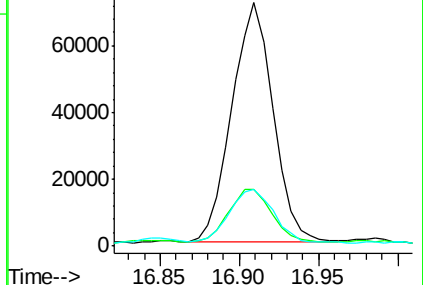
277 24.8 20.1 30.1

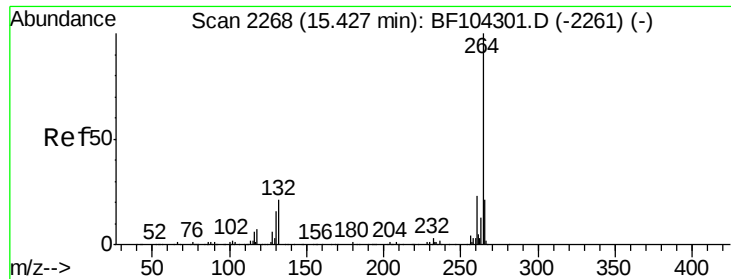


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

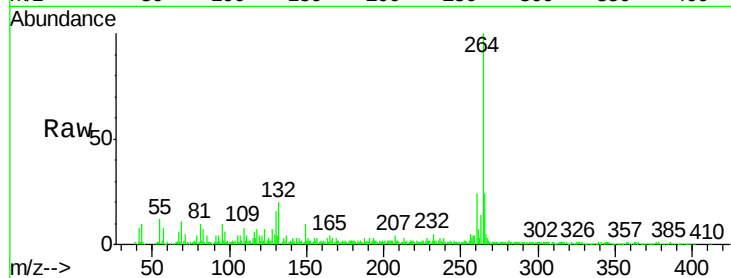




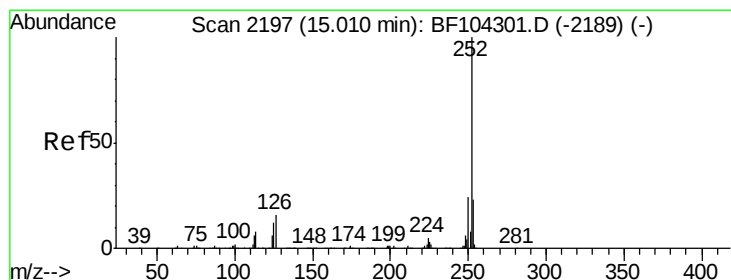
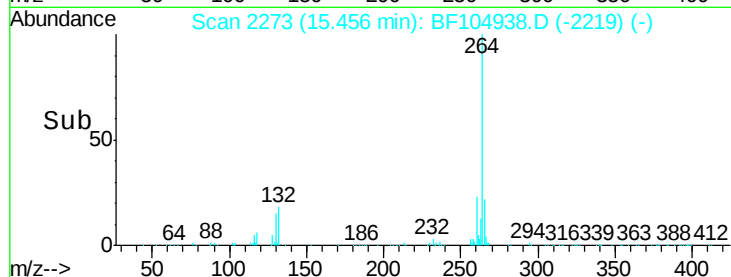
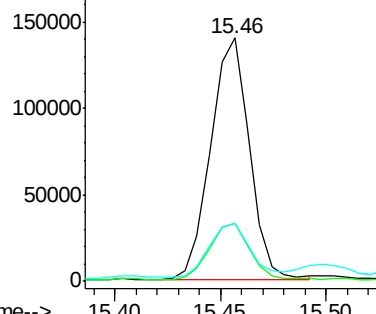
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.02 min
Lab File: BF104938.D
Acq: 30 Apr 2018 17:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 178539
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 23.6 17.5 26.3

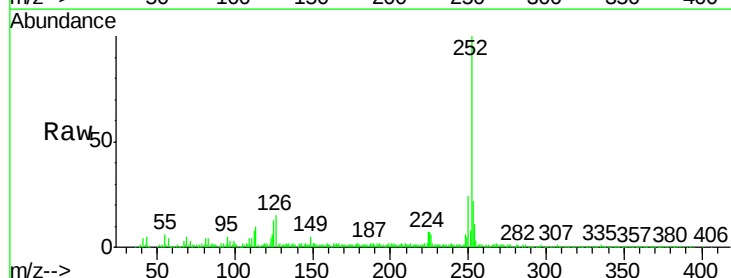


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

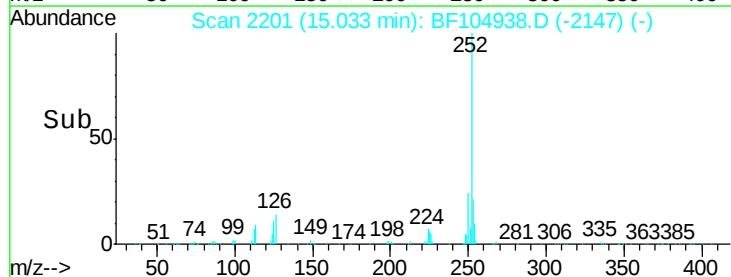
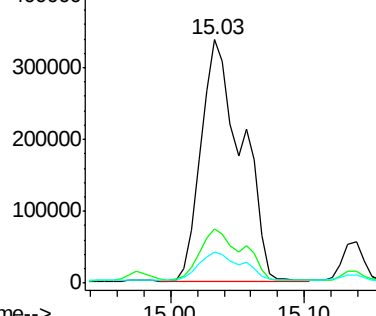


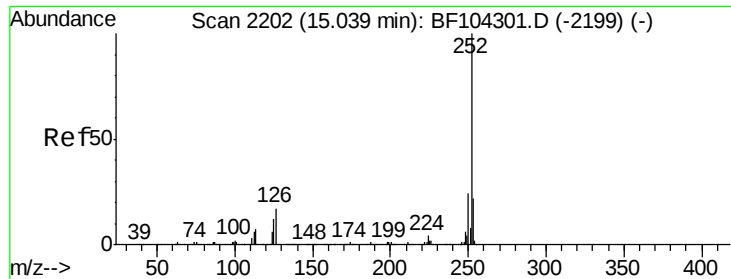
#87
Benzo(b)fluoranthene
Concen: 63.51 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.02 min
Lab File: BF104938.D
Acq: 30 Apr 2018 17:41

Tgt Ion:252 Resp: 716165
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.6
125 12.6 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

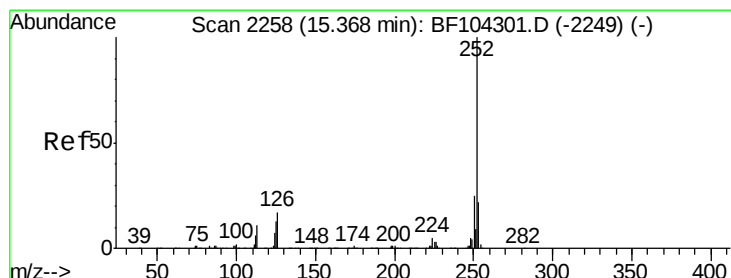
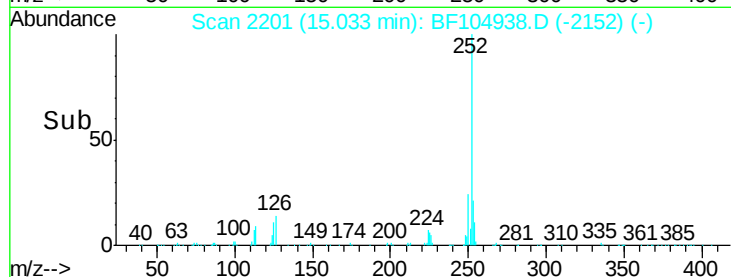
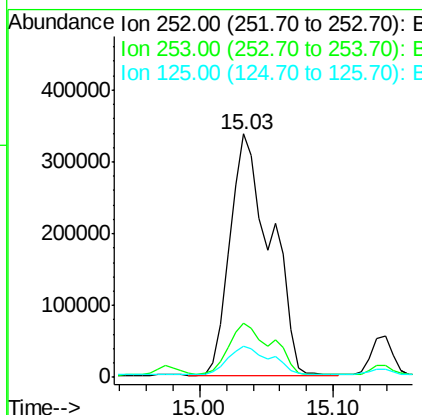
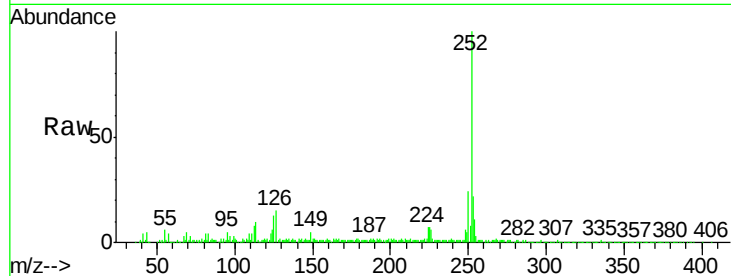




#88
Benzo(k)fluoranthene
Concen: 67.27 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF104938.D
Acq: 30 Apr 2018 17:41

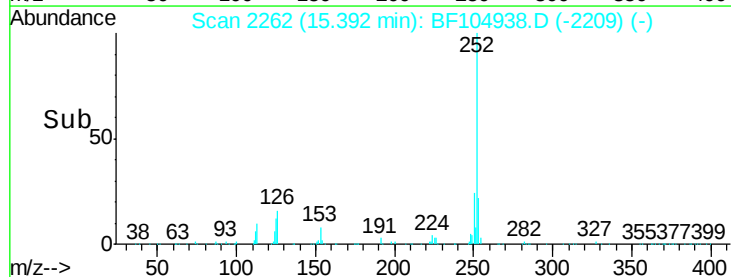
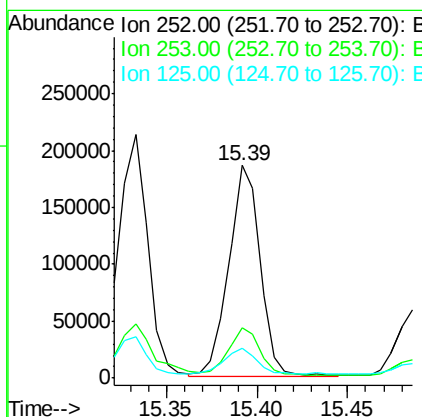
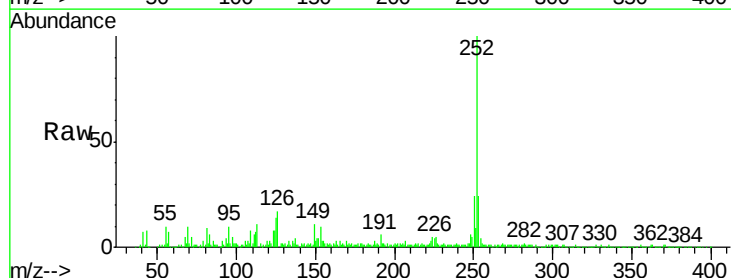
Instrument :
BNA_F
ClientSampleId :

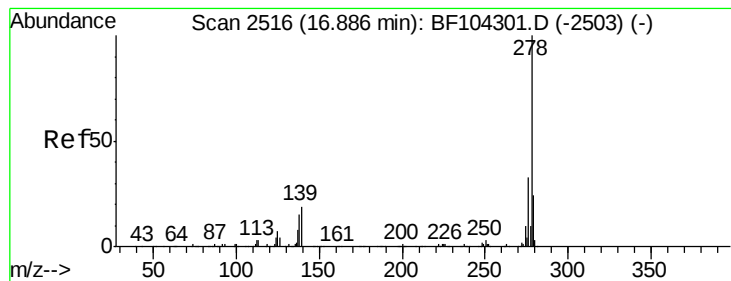
Tot Ion:252 Resp: 716165
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 12.6 10.2 15.2



#89
Benzo(a)pyrene
Concen: 22.00 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF104938.D
Acq: 30 Apr 2018 17:41

Tgt Ion:252 Resp: 222005
Ion Ratio Lower Upper
252 100
253 23.8 17.1 25.7
125 14.2 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 4.32 ng

RT: 16.91 min Scan# 2520

Delta R.T. -0.01 min

Lab File: BF104938.D

Acq: 30 Apr 2018 17:41

Instrument :

BNA_F

ClientSampleId :

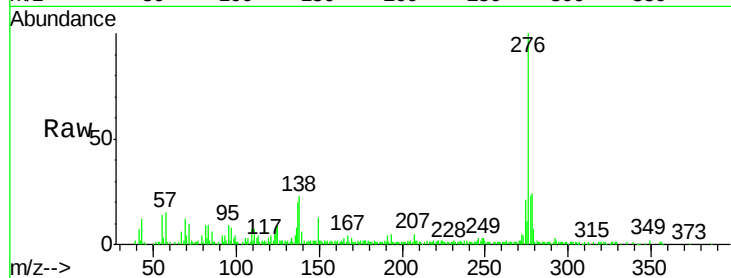
Tot Ion:278 Resp: 35829

Ion Ratio Lower Upper

278 100

139 24.2 15.9 23.9#

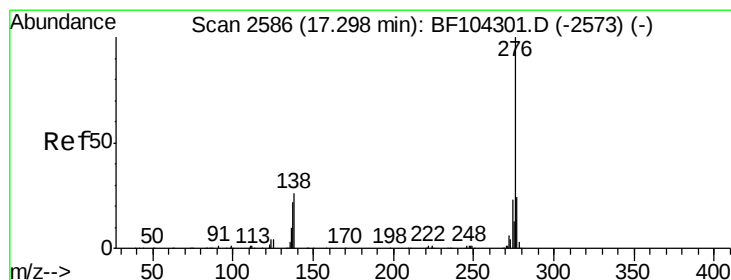
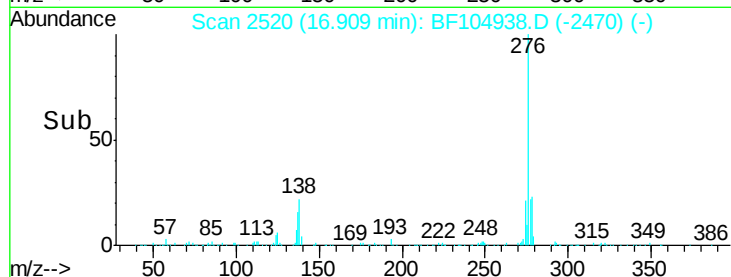
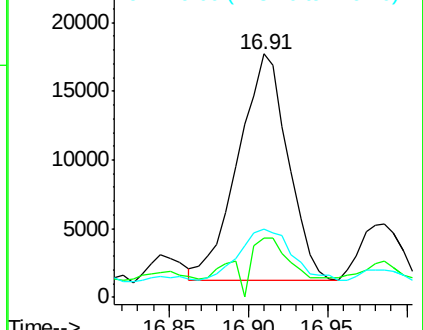
279 28.0 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 13.84 ng

RT: 17.35 min Scan# 2595

Delta R.T. -0.00 min

Lab File: BF104938.D

Acq: 30 Apr 2018 17:41

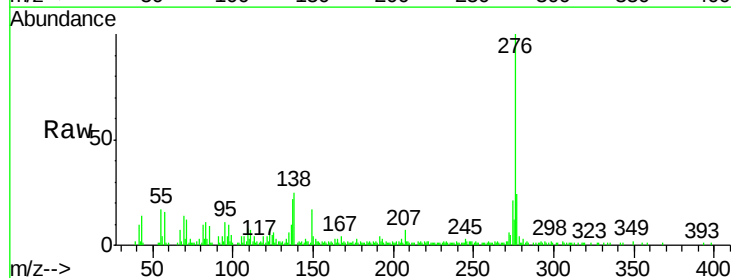
Tgt Ion:276 Resp: 111093

Ion Ratio Lower Upper

276 100

277 24.0 17.9 26.9

138 24.5 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

