

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
 Data File : BF098672.D
 Acq On : 20 Sep 2017 20:52
 Operator : SJ/JU
 Sample : I5280-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 21 05:22:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 18 13:37:24 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	76440	20.00	ng	-0.02
21) Naphthalene-d8	7.90	136	307521	20.00	ng	-0.02
38) Acenaphthene-d10	9.65	164	129375	20.00	ng	-0.02
63) Phenanthrene-d10	11.14	188	196495	20.00	ng	-0.01
75) Chrysene-d12	13.78	240	158019	20.00	ng	0.00
86) Perylene-d12	15.19	264	128785	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	719579	139.18	ng	-0.01
7) Phenol-d6	6.28	99	870799	132.66	ng	-0.01
23) Nitrobenzene-d5	7.19	82	541067	98.09	ng	-0.02
41) 2,4,6-Tribromophenol	10.45	330	135374	156.78	ng	-0.01
44) 2-Fluorobiphenyl	8.98	172	891734	116.82	ng	-0.02
78) Terphenyl-d14	12.73	244	583978	79.77	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.39	77	17647	4.11	ng	82
10) Phenol	6.29	94	31519	4.13	ng	85
15) Benzyl Alcohol	6.77	79	11778	2.70	ng	# 38
19) n-Nitroso-di-n-propylamine	7.19	70	75617	18.31	ng	# 81
25) Isophorone	7.19	82	540392	48.42	ng	# 67
31) Naphthalene	7.92	128	206295	13.57	ng	99
32) Benzoic acid	7.73	122	3978	8.99	ng	# 1
33) 4-Chloroaniline	7.92	127	29037	4.70	ng	# 36
35) Caprolactam	8.33	113	4962	3.58	ng	# 1
37) 2-Methylnaphthalene	8.62	142	476531	51.75	ng	98
45) 1,1'-Biphenyl	9.08	154	39794	3.44	ng	97
47) 2-Nitroaniline	9.25	65	7152	2.25	ng	# 28
48) Acenaphthylene	9.52	152	52170	4.24	ng	# 93
49) Dimethylphthalate	9.38	163	285451	28.50	ng	98
51) Acenaphthene	9.69	154	17623	2.25	ng	85
53) 2,4-Dinitrophenol	9.87	184	123	8.64	ng	# 1
54) Dibenzofuran	9.86	168	62240	6.04	ng	# 76
57) Fluorene	10.20	166	40517	4.75	ng	# 91
64) 4,6-Dinitro-2-methylphenol	10.29	198	155	5.08	ng	# 1
65) n-Nitrosodiphenylamine	10.31	169	17083	2.68	ng	# 51
70) Phenanthrene	11.16	178	363732	34.92	ng	99
71) Anthracene	11.22	178	139196	13.02	ng	97
72) Carbazole	11.38	167	23742	2.38	ng	# 86
74) Fluoranthene	12.35	202	338377	32.45	ng	98
77) Pyrene	12.58	202	268062	21.50	ng	99
80) Benzo(a)anthracene	13.77	228	135508	14.63	ng	96
82) Chrysene	13.80	228	123034	13.14	ng	97
85) Indeno(1,2,3-cd)pyrene	16.53	276	48443	7.37	ng	# 92
87) Benzo(b)fluoranthene	14.80	252	209387	25.86	ng	# 94
88) Benzo(k)fluoranthene	14.80	252	209387	27.70	ng	98
89) Benzo(a)pyrene	15.13	252	79152	10.97	ng	# 91
90) Dibenzo(a,h)anthracene	16.53	278	14335	2.73	ng	# 73
91) Benzo(a,h,i)perylene	16.93	276	44132	8.36	ng	95

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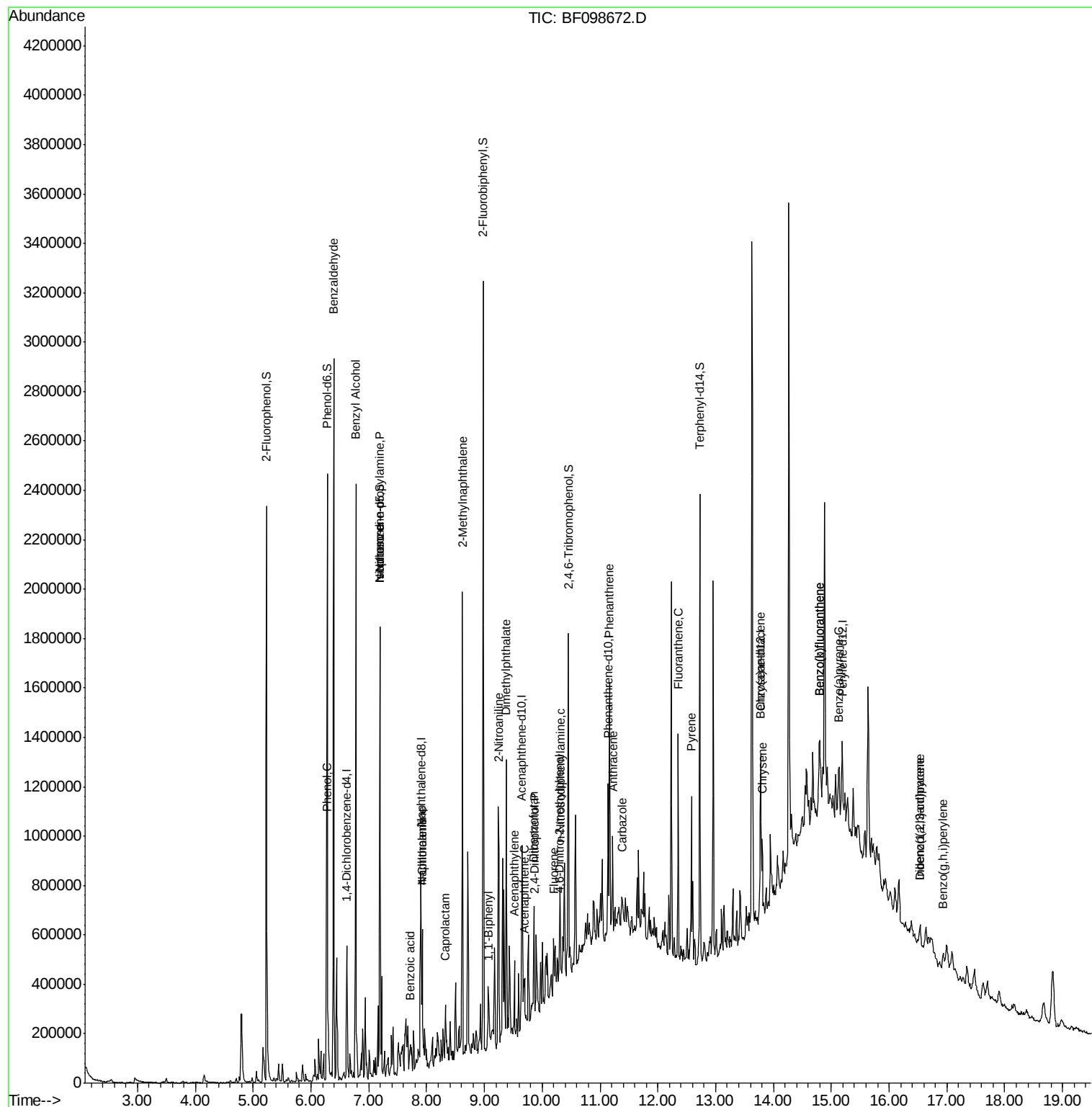
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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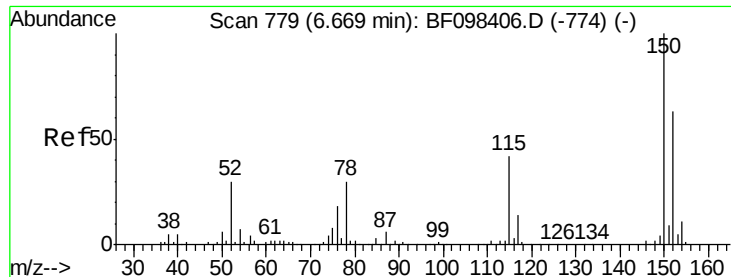
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 770

Delta R.T. -0.02 min

Lab File: BF098672.D

Acq: 20 Sep 2017 20:52

Instrument :

BNA_F

ClientSampleId :

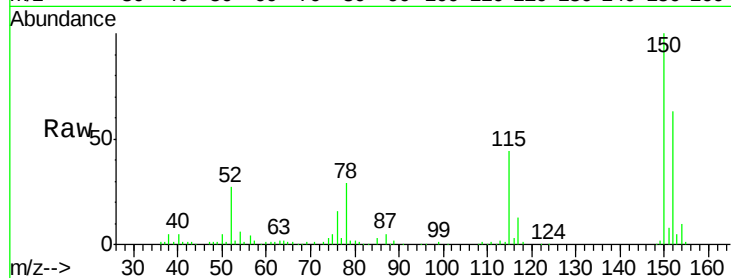
Tot Ion:152 Resp: 76440

Ion Ratio Lower Upper

152 100

150 159.4 126.2 189.2

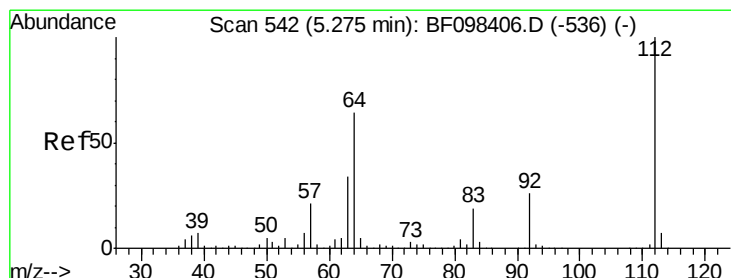
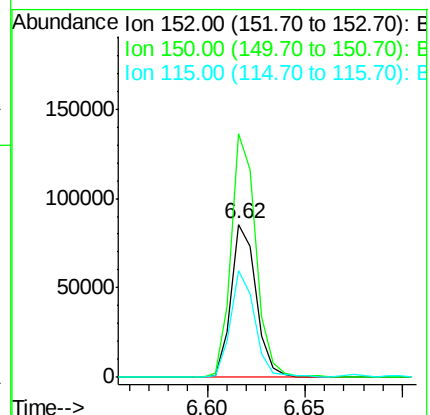
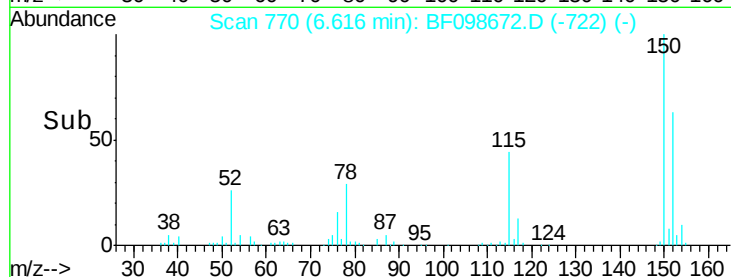
115 69.5 52.2 78.2



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: 139.18 ng

RT: 5.23 min Scan# 534

Delta R.T. -0.01 min

Lab File: BF098672.D

Acq: 20 Sep 2017 20:52

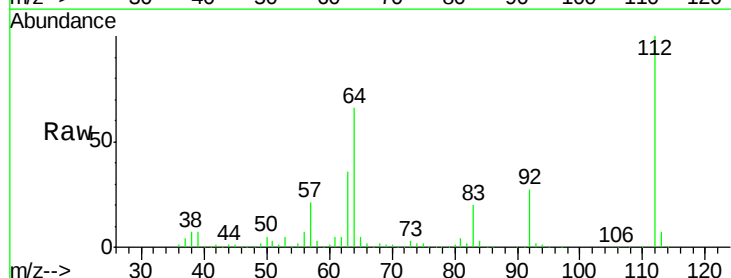
Tgt Ion:112 Resp: 719579

Ion Ratio Lower Upper

112 100

64 65.6 46.0 69.0

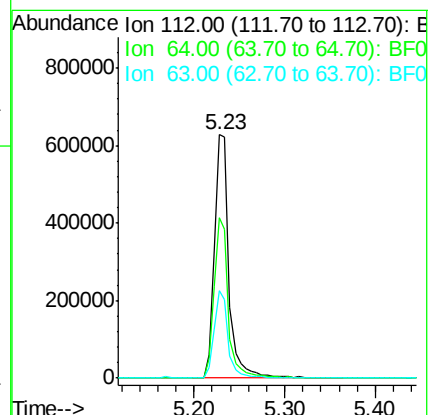
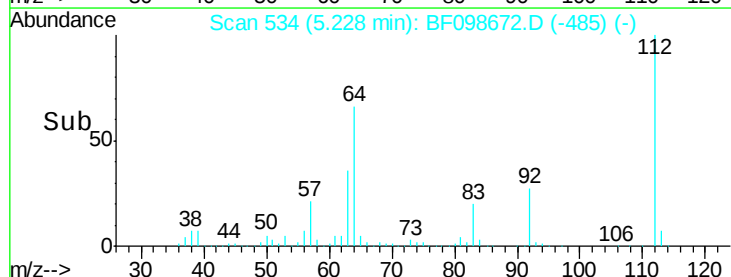
63 35.7 23.4 35.0#

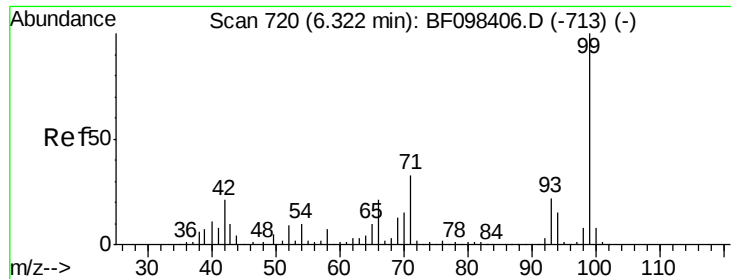


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 132.66 ng

RT: 6.28 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF098672.D

Acq: 20 Sep 2017 20:52

Instrument :

BNA_F

ClientSampled :

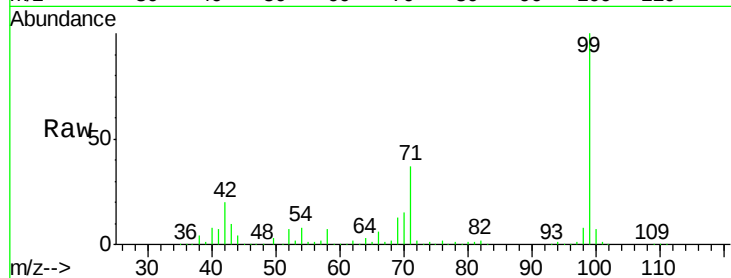
Tot Ion: 99 Resp: 870799

Ion Ratio Lower Upper

99 100

42 19.8 13.5 20.3

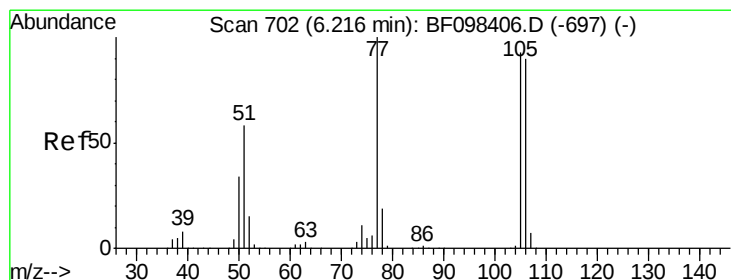
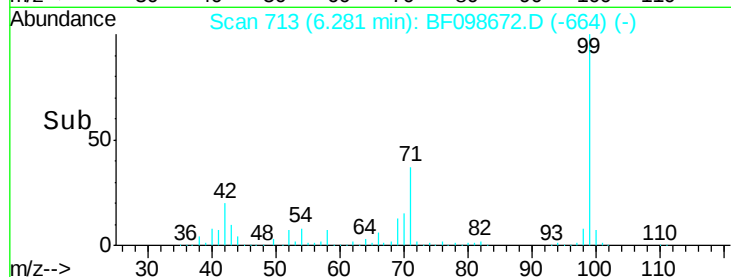
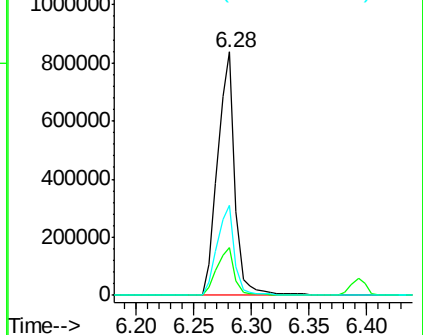
71 36.8 24.5 36.7#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 4.11 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.21 min

Lab File: BF098672.D

Acq: 20 Sep 2017 20:52

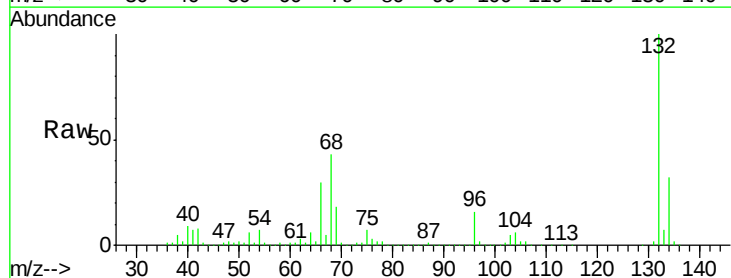
Tgt Ion: 77 Resp: 17647

Ion Ratio Lower Upper

77 100

105 87.2 83.8 123.8

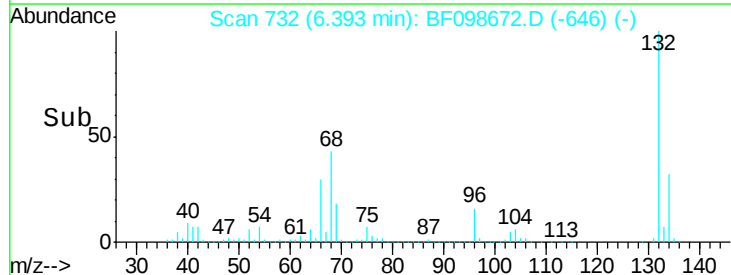
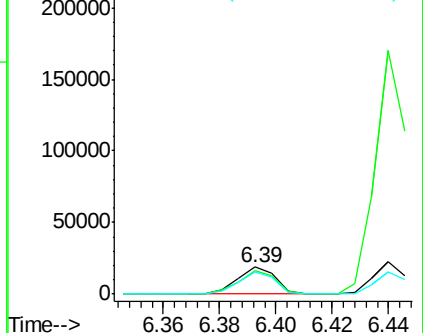
106 79.2 79.1 119.1

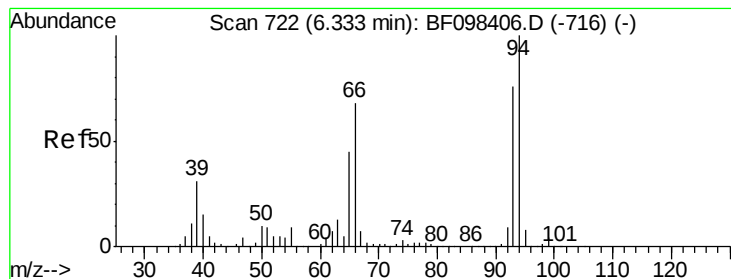


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.13 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF098672.D

Acq: 20 Sep 2017 20:52

Instrument :

BNA_F

ClientSampleId :

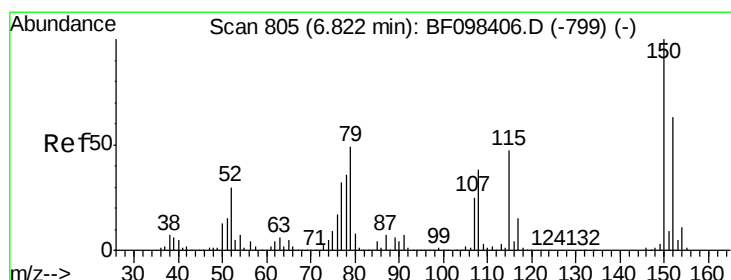
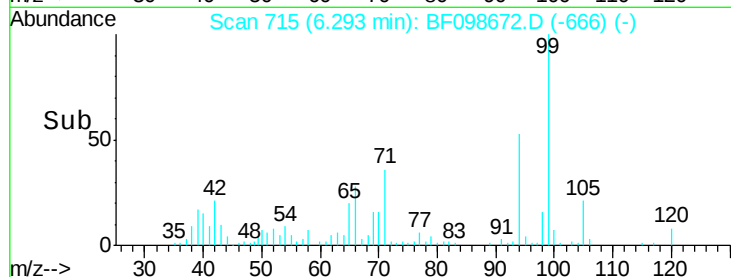
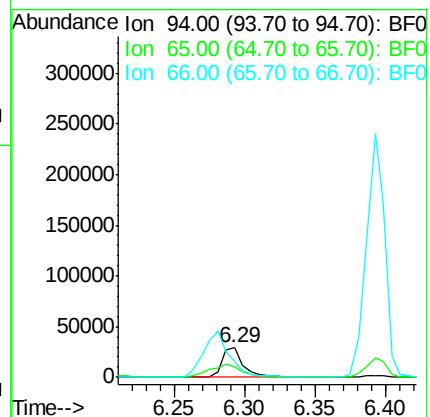
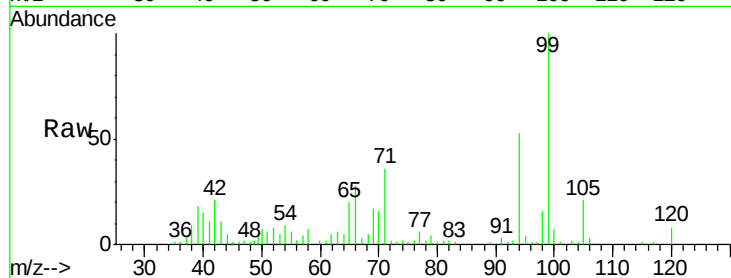
Tot Ion: 94 Resp: 31519

Ion Ratio Lower Upper

94 100

65 37.4 9.9 49.9

66 53.0 23.1 63.1



#15

Benzyl Alcohol

Concen: 2.70 ng

RT: 6.77 min Scan# 797

Delta R.T. -0.02 min

Lab File: BF098672.D

Acq: 20 Sep 2017 20:52

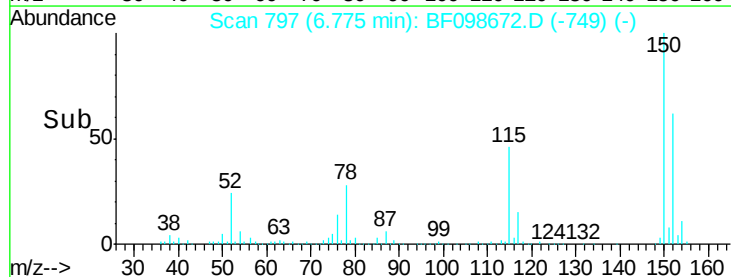
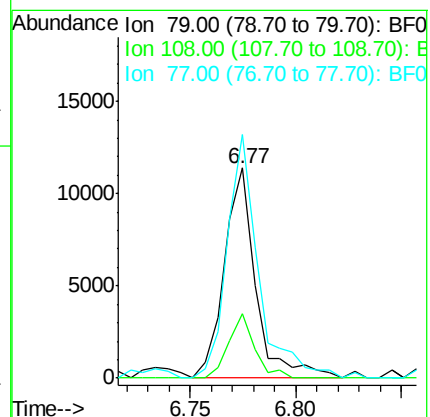
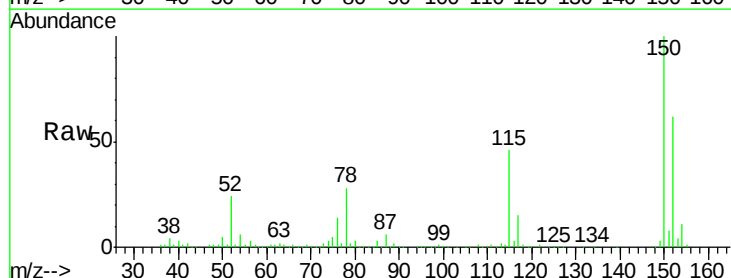
Tgt Ion: 79 Resp: 11778

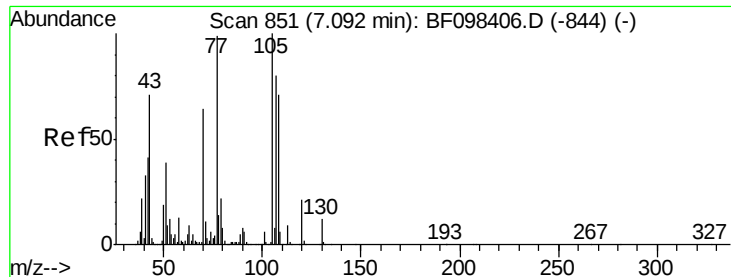
Ion Ratio Lower Upper

79 100

108 30.9 63.4 95.0#

77 116.0 49.2 73.8#

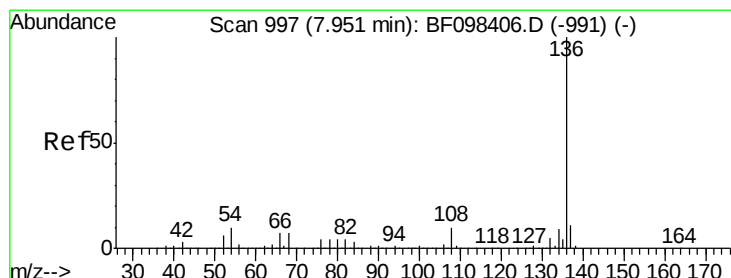
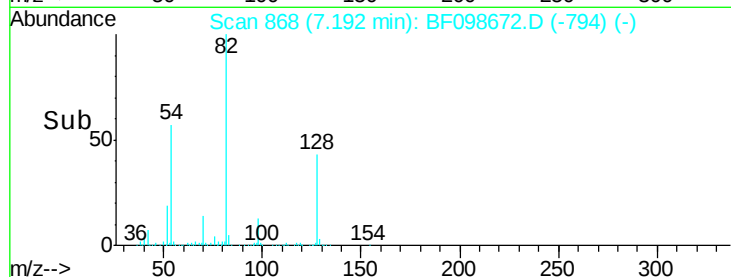
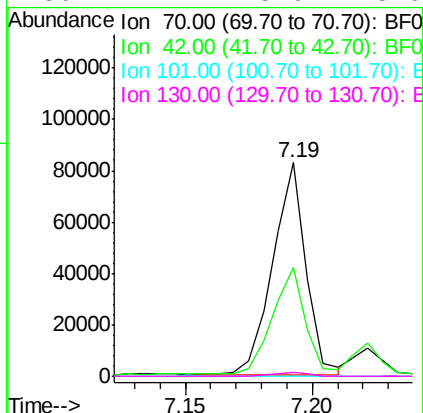
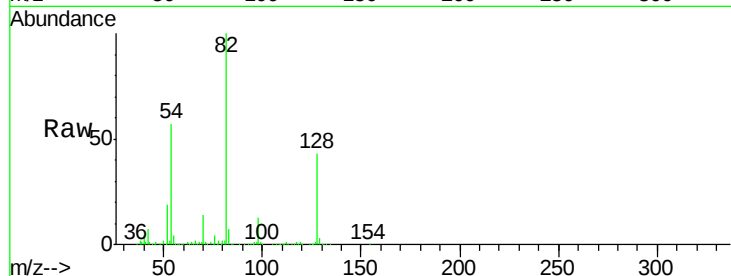




#19
n-Nitroso-di-n-propylamine
Concen: 18.31 ng
RT: 7.19 min Scan# 868
Delta R.T. 0.14 min
Lab File: BF098672.D
Acq: 20 Sep 2017 20:52

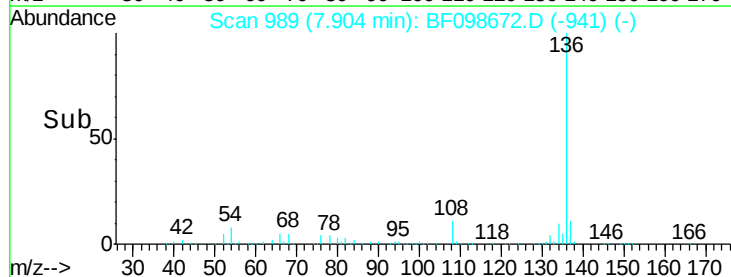
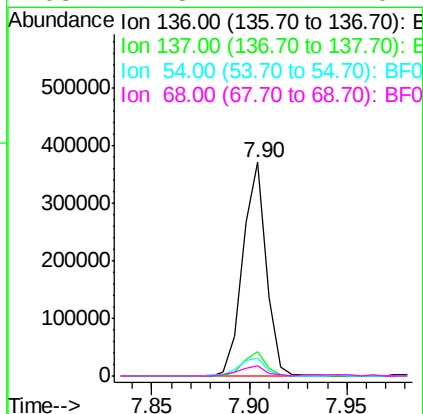
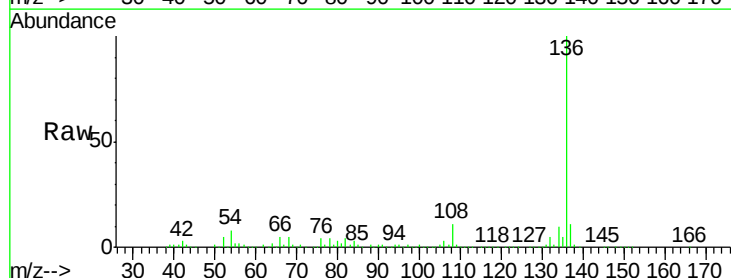
Instrument :
BNA_F
ClientSampleId :

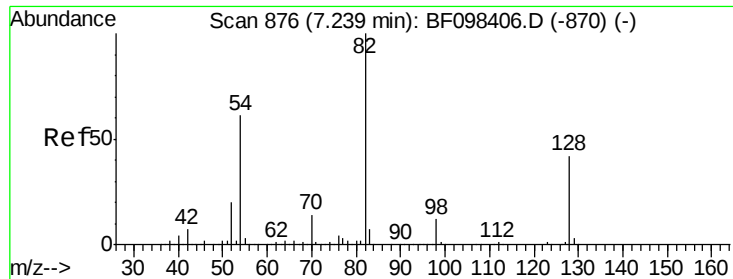
Tot Ion: 70 Resp: 75617
Ion Ratio Lower Upper
70 100
42 51.1 47.2 70.8
101 0.0 7.2 10.8#
130 1.7 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 989
Delta R.T. -0.02 min
Lab File: BF098672.D
Acq: 20 Sep 2017 20:52

Tgt Ion: 136 Resp: 307521
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 8.3 4.9 7.3#
68 4.8 4.1 6.1

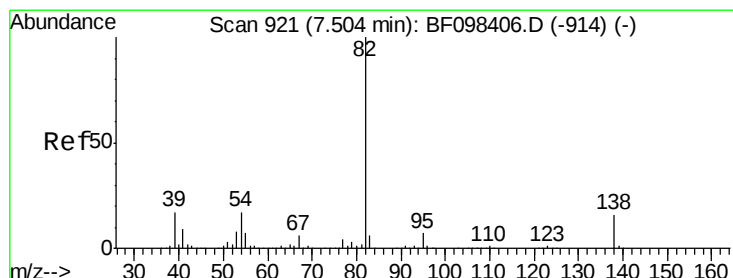
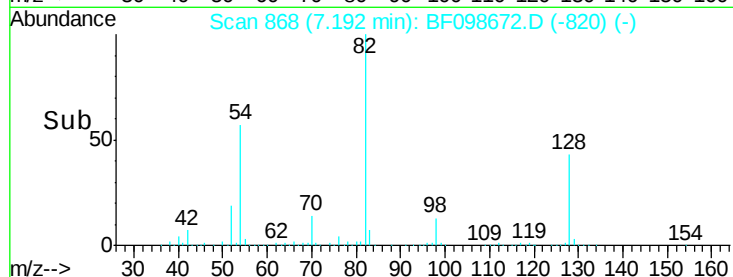
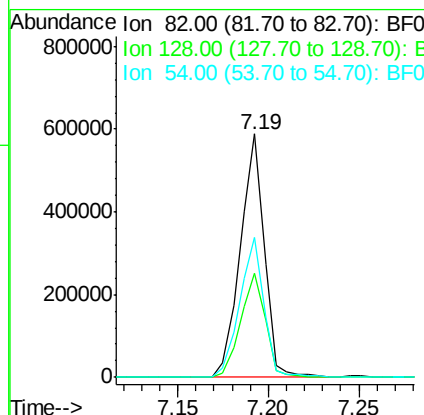
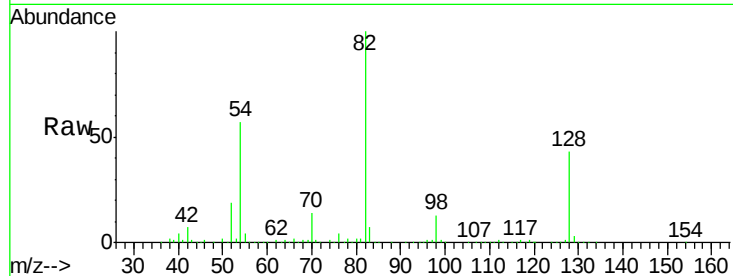




#23
Nitrobenzene-d5
Concen: 98.09 ng
RT: 7.19 min Scan# 868
Delta R.T. -0.02 min
Lab File: BF098672.D
Acq: 20 Sep 2017 20:52

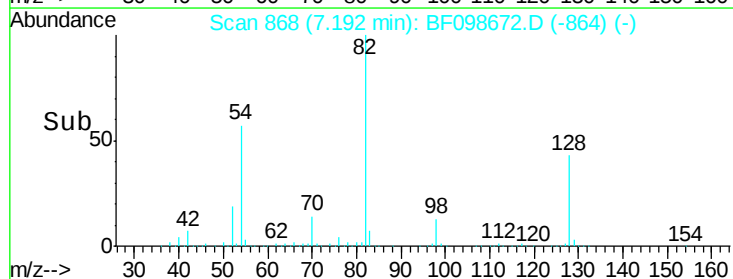
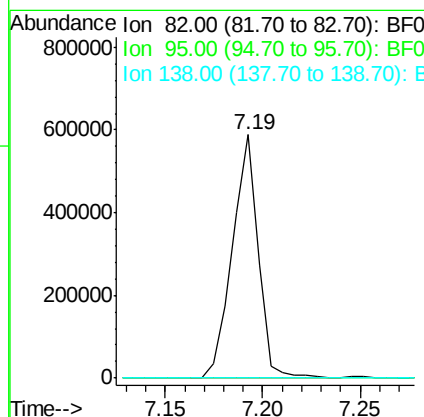
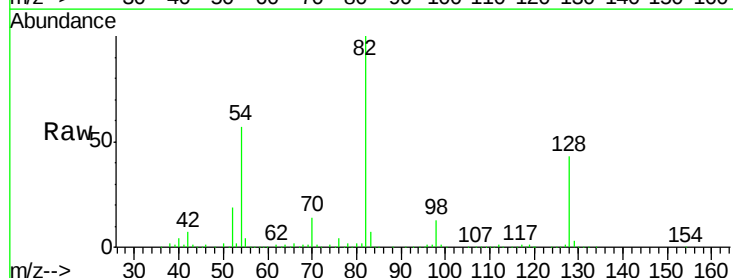
Instrument :
BNA_F
ClientSampleId :

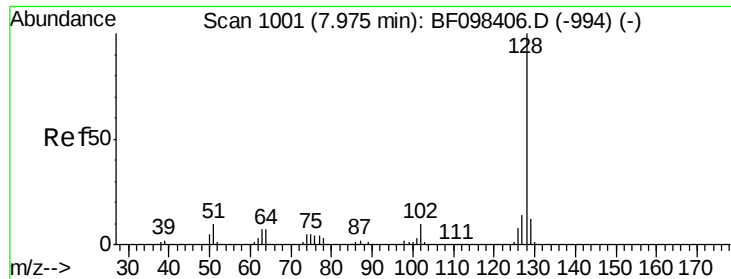
Tot Ion	82	Resp	541067
Ion Ratio	100	Lower	Upper
128	43.0	34.0	51.0
54	57.3	42.2	63.2



#25
Isophorone
Concen: 48.42 ng
RT: 7.19 min Scan# 868
Delta R.T. -0.28 min
Lab File: BF098672.D
Acq: 20 Sep 2017 20:52

Tgt Ion	82	Resp	540392
Ion Ratio	100	Lower	Upper
95	0.1	5.3	7.9#
138	0.0	13.1	19.7#

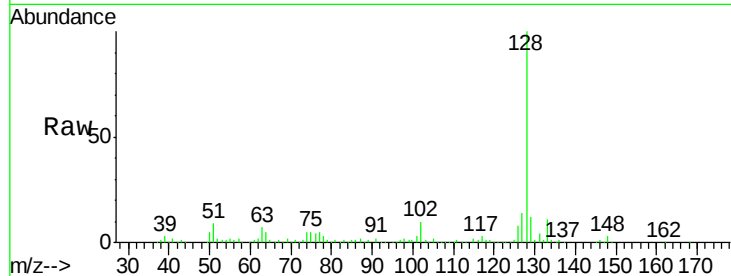




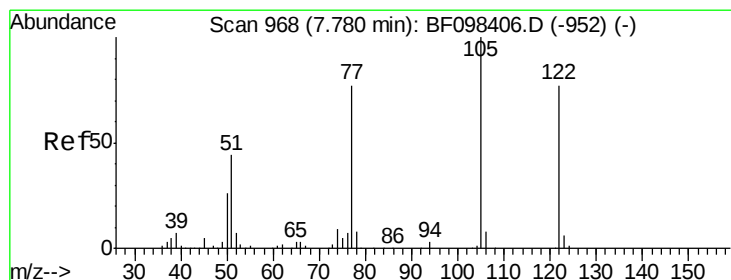
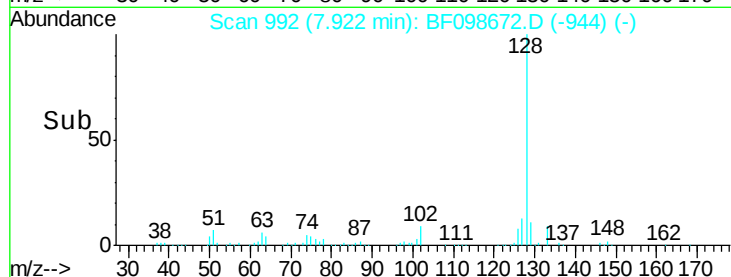
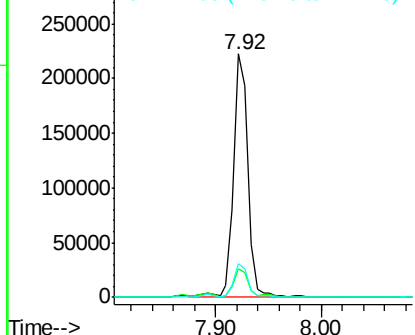
#31
Naphthalene
Concen: 13.57 ng
RT: 7.92 min Scan# 992
Delta R.T. -0.02 min
Lab File: BF098672.D
Acq: 20 Sep 2017 20:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:128 Resp: 206295
Ion Ratio Lower Upper
128 100
129 12.0 9.0 13.6
127 13.7 10.8 16.2

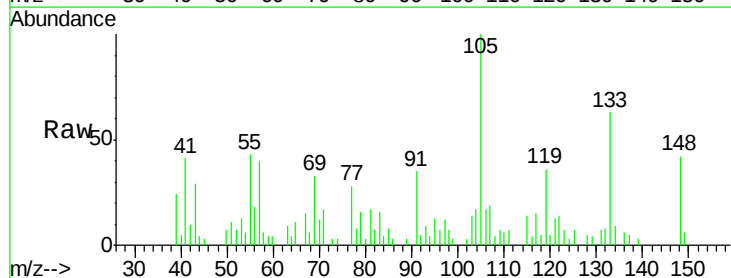


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

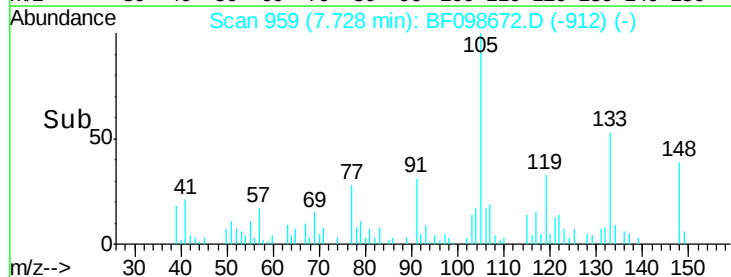
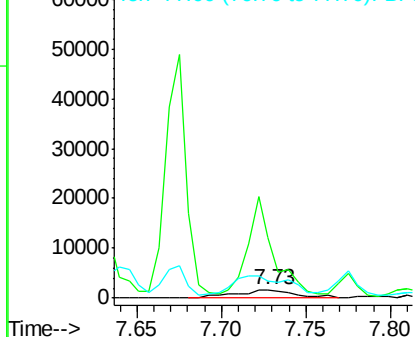


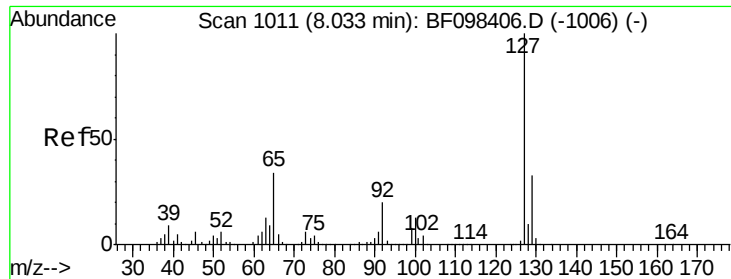
#32
Benzoic acid
Concen: 8.99 ng
RT: 7.73 min Scan# 959
Delta R.T. -0.02 min
Lab File: BF098672.D
Acq: 20 Sep 2017 20:52

Tgt Ion:122 Resp: 3978
Ion Ratio Lower Upper
122 100
105 719.9 103.3 143.3#
77 202.6 73.7 113.7#



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): BF0

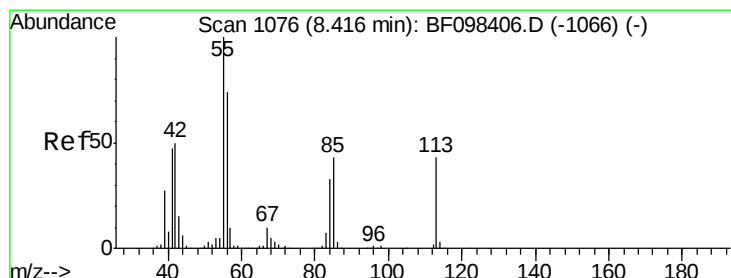
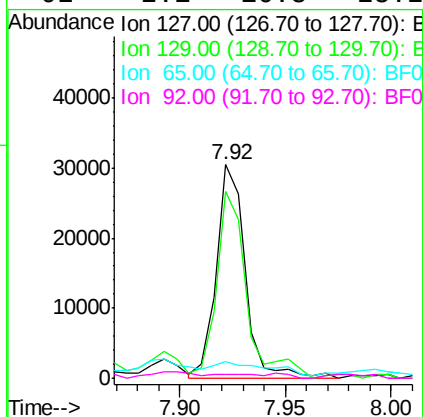
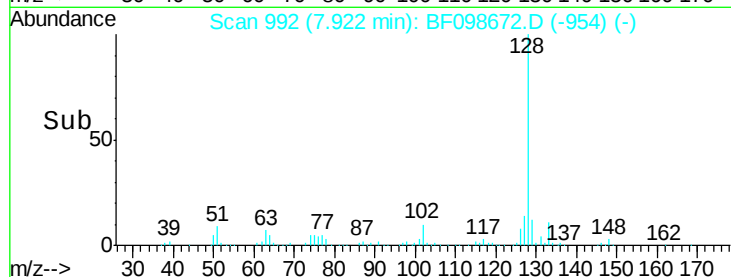
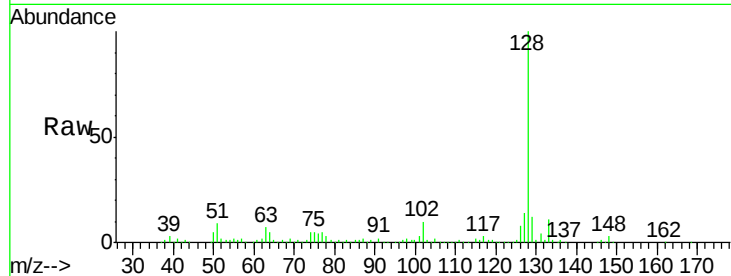




#33
4-Chloroaniline
Concen: 4.70 ng
RT: 7.92 min Scan# 992
Delta R.T. -0.08 min
Lab File: BF098672.D
Acq: 20 Sep 2017 20:52

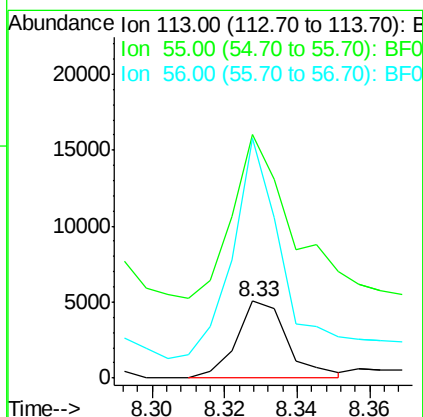
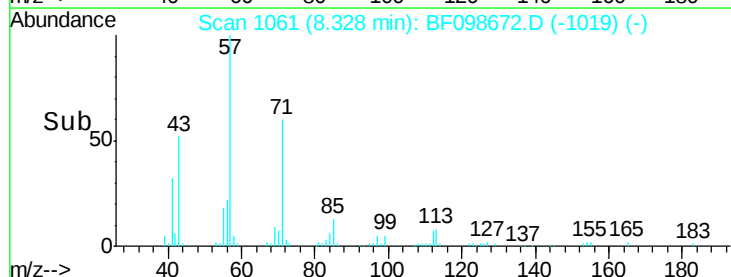
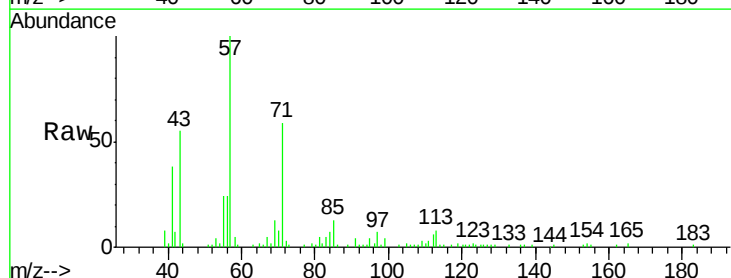
Instrument :
BNA_F
ClientSampleId :

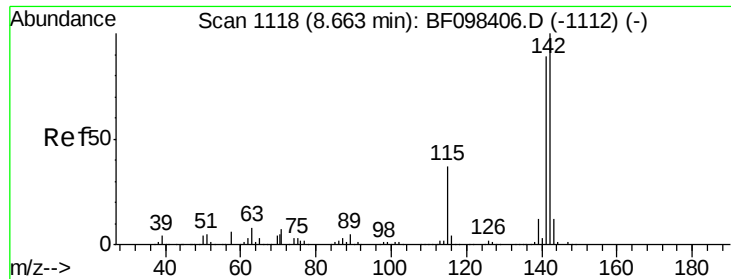
Tot Ion:127	Resp:	29037
Ion Ratio	Lower	Upper
127	100	
129	87.6	26.2 39.2#
65	8.1	27.8 41.8#
92	2.1	16.8 25.2#



#35
Caprolactam
Concen: 3.58 ng
RT: 8.33 min Scan# 1061
Delta R.T. -0.05 min
Lab File: BF098672.D
Acq: 20 Sep 2017 20:52

Tgt Ion:113	Resp:	4962
Ion Ratio	Lower	Upper
113	100	
55	317.8	150.2 190.2#
56	312.2	107.8 147.8#

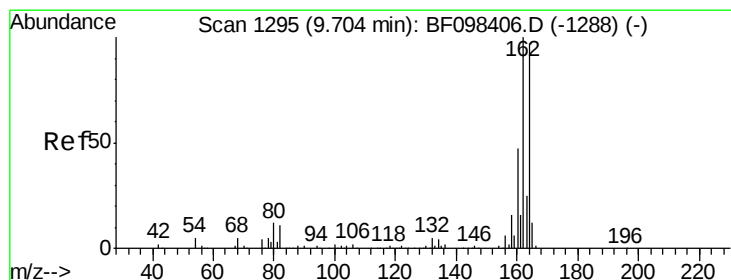
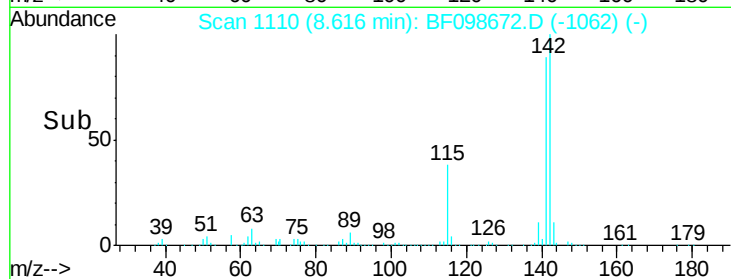
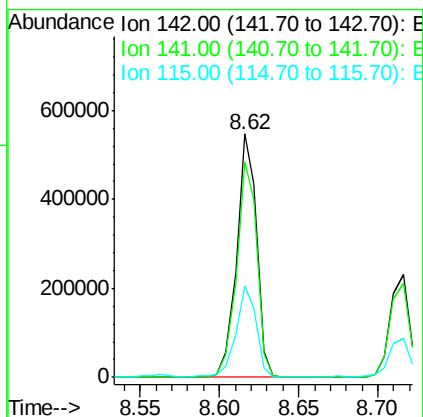
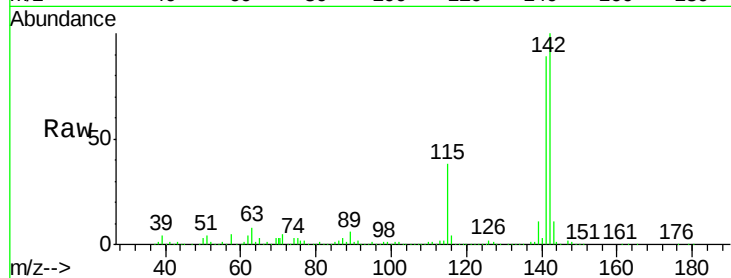




#37
2-Methylnaphthalene
Concen: 51.75 ng
RT: 8.62 min Scan# 1110
Delta R.T. -0.02 min
Lab File: BF098672.D
Acq: 20 Sep 2017 20:52

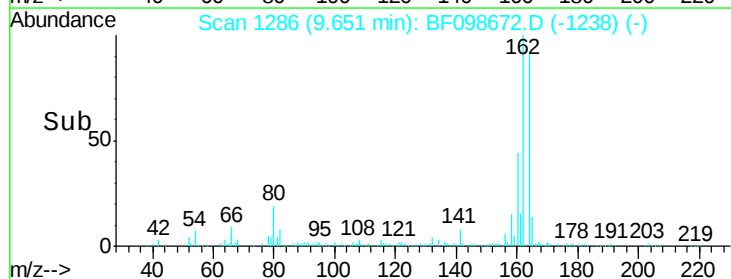
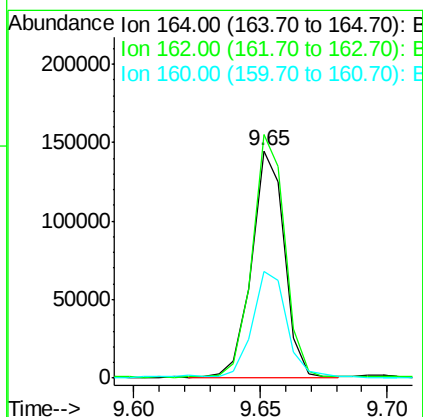
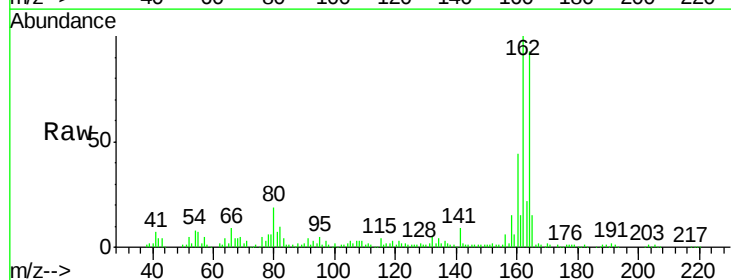
Instrument :
BNA_F
ClientSampleId :

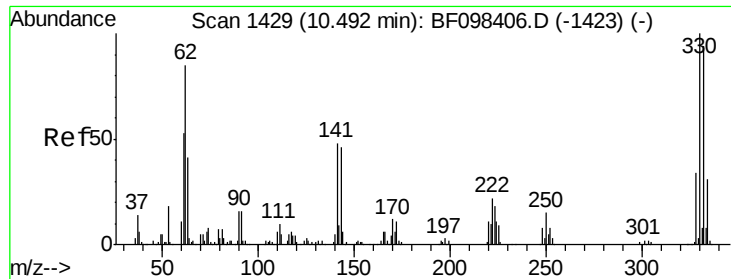
Tot Ion:142 Resp: 476531
Ion Ratio Lower Upper
142 100
141 88.6 71.3 106.9
115 37.6 27.1 40.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.02 min
Lab File: BF098672.D
Acq: 20 Sep 2017 20:52

Tgt Ion:164 Resp: 129375
Ion Ratio Lower Upper
164 100
162 107.1 82.6 123.8
160 47.1 36.2 54.2

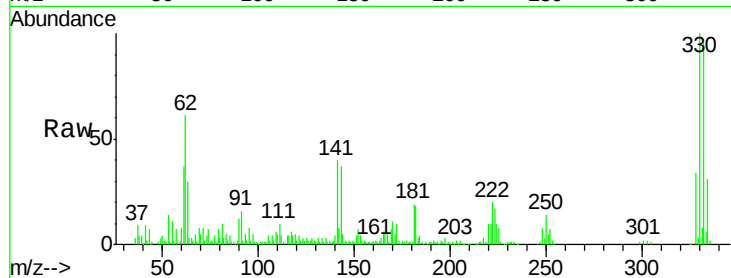




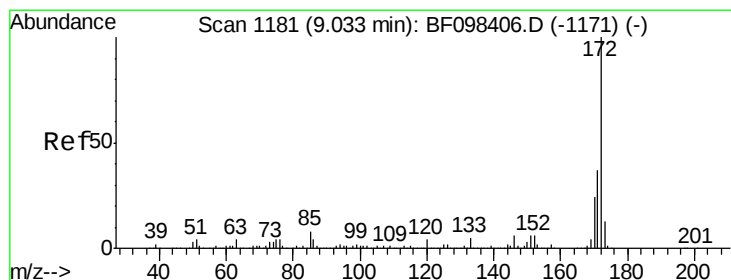
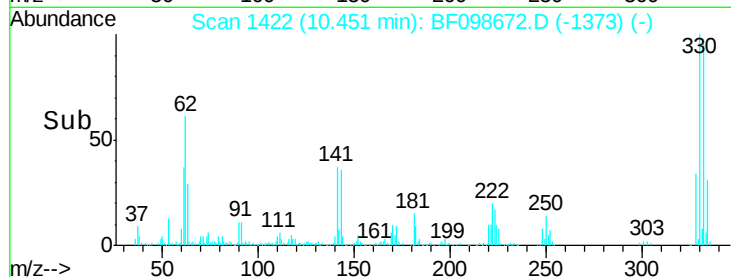
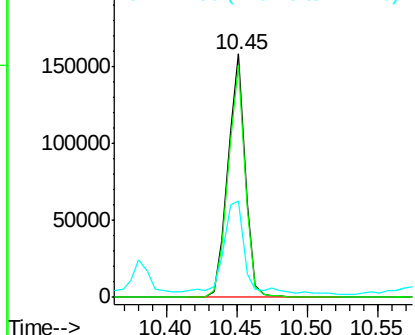
#41
 2,4,6-Tribromophenol
 Concen: 156.78 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: BF098672.D
 Acq: 20 Sep 2017 20:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 135374
 Ion Ratio Lower Upper
 330 100
 332 94.4 76.6 115.0
 141 45.2 31.4 47.2

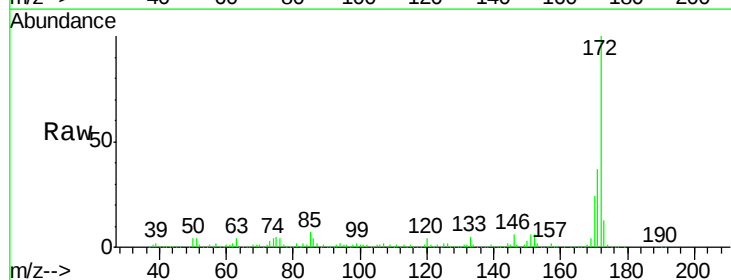


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

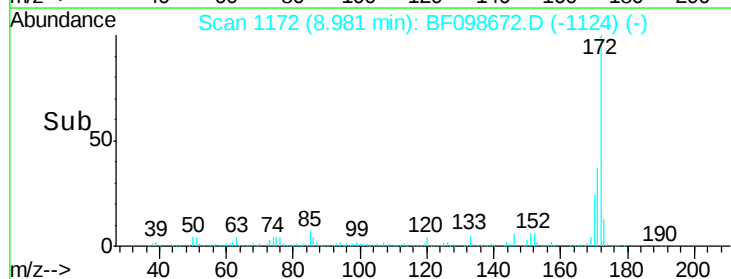
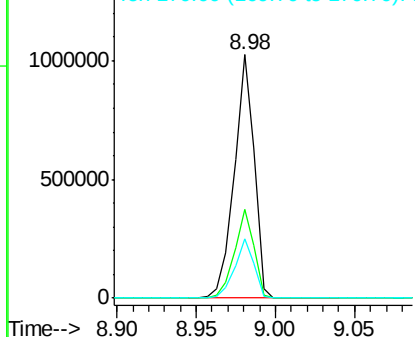


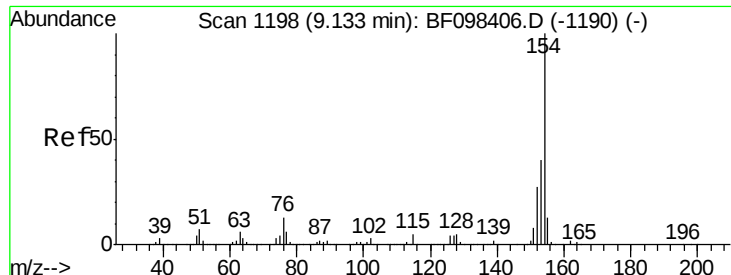
#44
 2-Fluorobiphenyl
 Concen: 116.82 ng
 RT: 8.98 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: BF098672.D
 Acq: 20 Sep 2017 20:52

Tgt Ion:172 Resp: 891734
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.6 44.4
 170 24.3 19.8 29.8



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

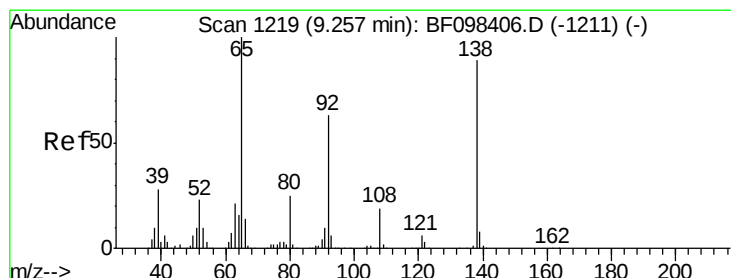
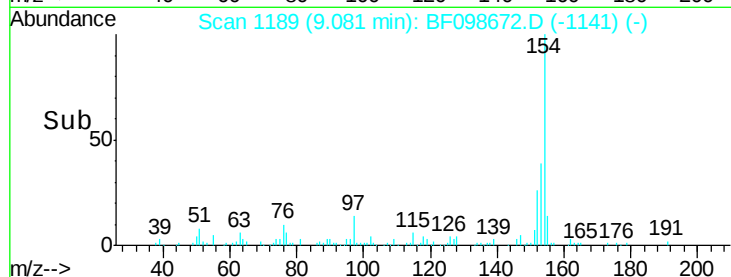
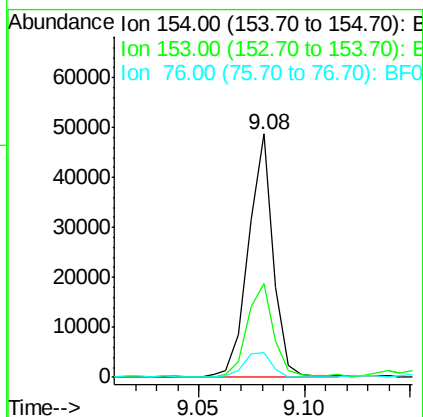
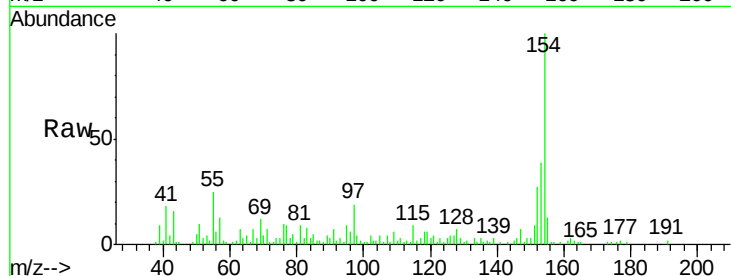




#45
 1,1'-Biphenyl
 Concen: 3.44 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.02 min
 Lab File: BF098672.D
 Acq: 20 Sep 2017 20:52

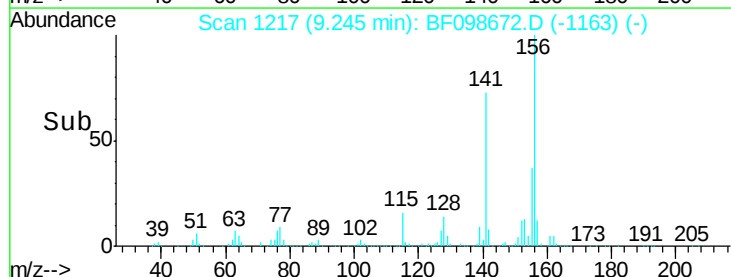
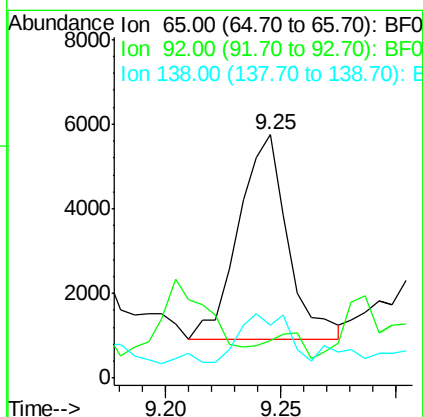
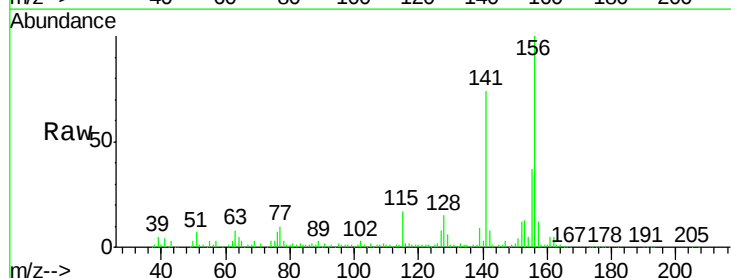
Instrument :
 BNA_F
 ClientSampleId :

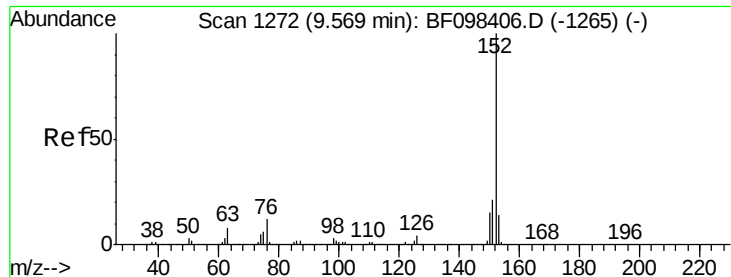
Tot Ion	Ratio	Lower	Upper
154	100		
153	38.7	21.2	61.2
76	10.3	0.0	29.9



#47
 2-Nitroaniline
 Concen: 2.25 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. 0.02 min
 Lab File: BF098672.D
 Acq: 20 Sep 2017 20:52

Tgt Ion	Ratio	Lower	Upper
65	100		
92	15.5	53.9	80.9#
138	21.5	78.8	118.2#





#48

Acenaphthylene

Concen: 4.24 ng

RT: 9.52 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BF098672.D

Acq: 20 Sep 2017 20:52

Instrument :

BNA_F

ClientSampleId :

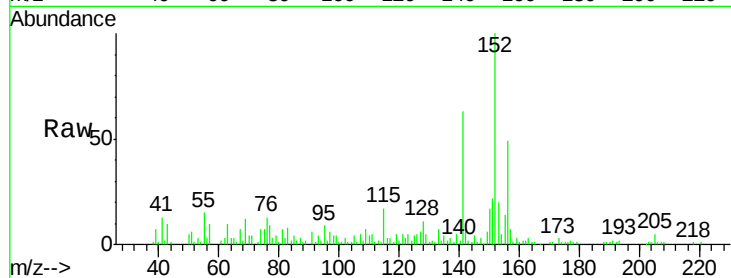
Tot Ion:152 Resp: 52170

Ion Ratio Lower Upper

152 100

151 22.0 16.8 25.2

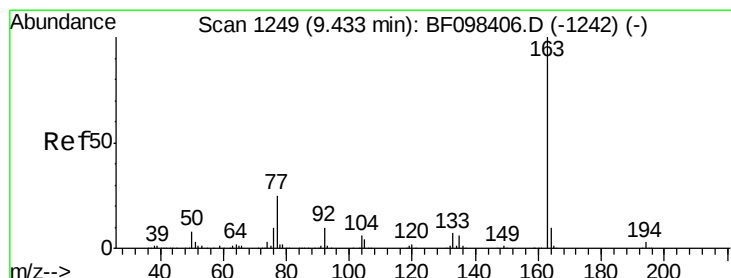
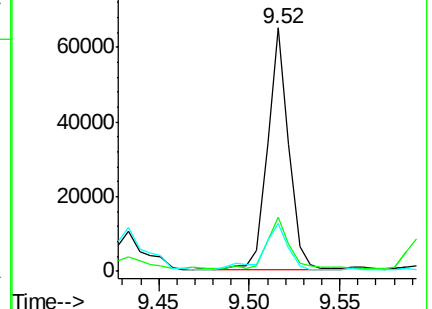
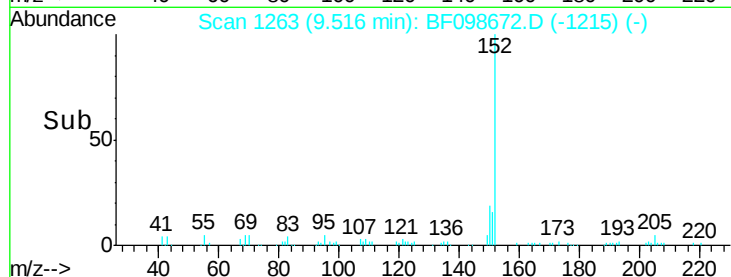
153 19.8 10.8 16.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 28.50 ng

RT: 9.38 min Scan# 1240

Delta R.T. -0.02 min

Lab File: BF098672.D

Acq: 20 Sep 2017 20:52

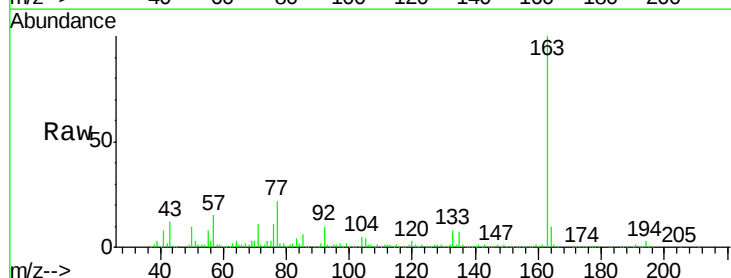
Tgt Ion:163 Resp: 285451

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

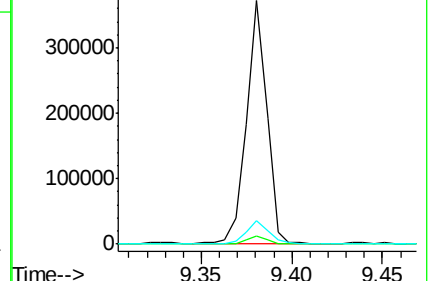
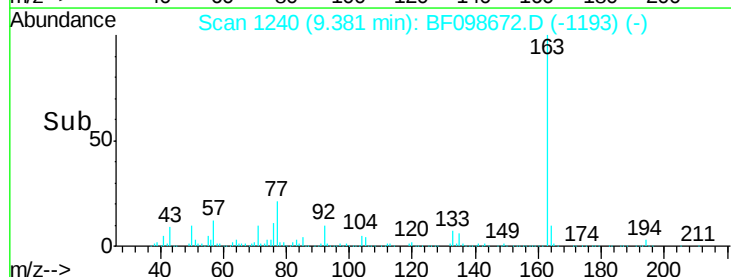
164 9.7 8.4 12.6

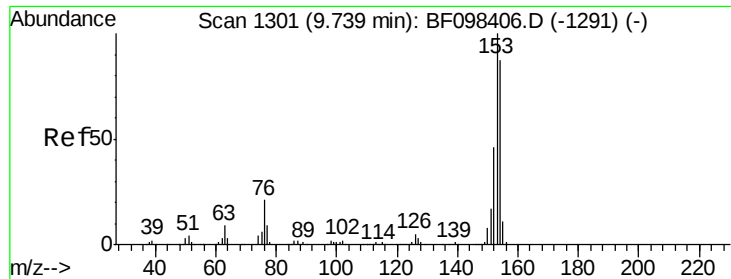


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.25 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.02 min

Lab File: BF098672.D

Acq: 20 Sep 2017 20:52

Instrument :

BNA_F

ClientSampleId :

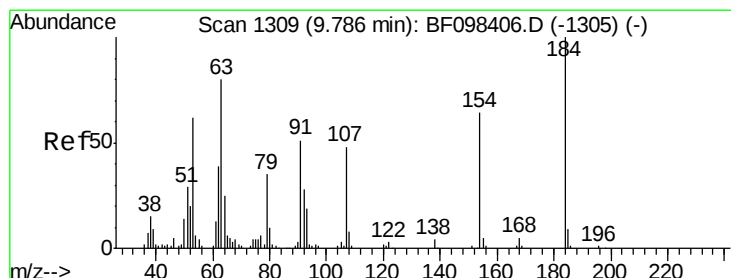
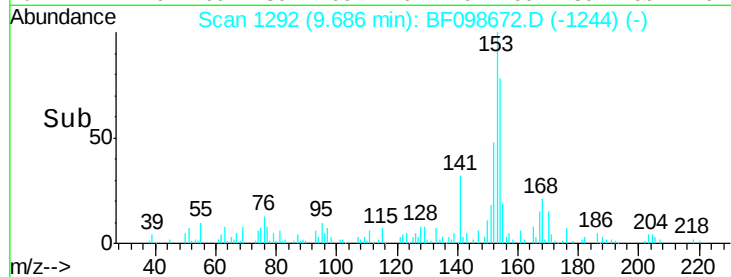
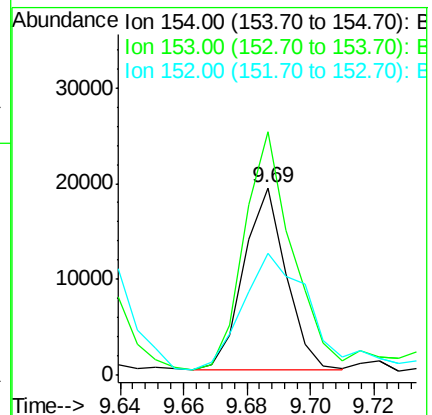
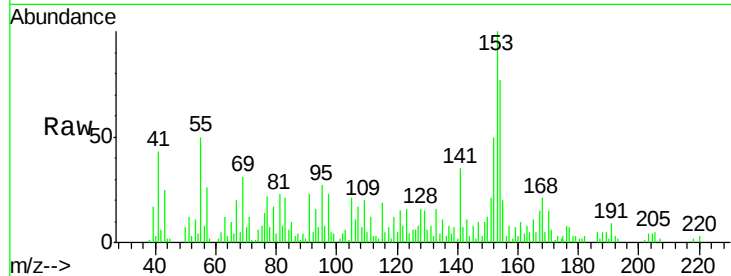
Tot Ion:154 Resp: 17623

Ion Ratio Lower Upper

154 100

153 129.6 90.5 135.7

152 64.7 43.6 65.4



#53

2,4-Dinitrophenol

Concen: 8.64 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.11 min

Lab File: BF098672.D

Acq: 20 Sep 2017 20:52

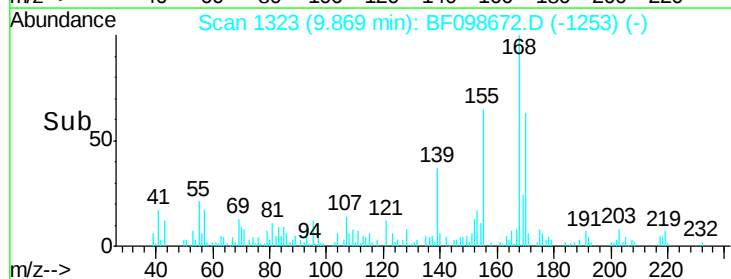
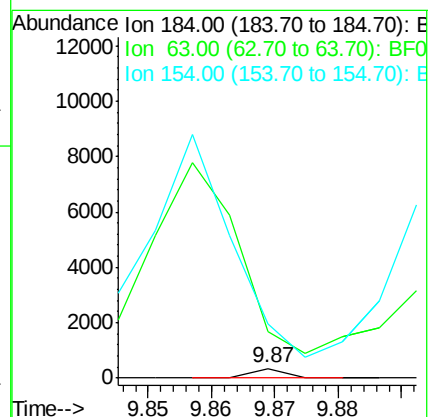
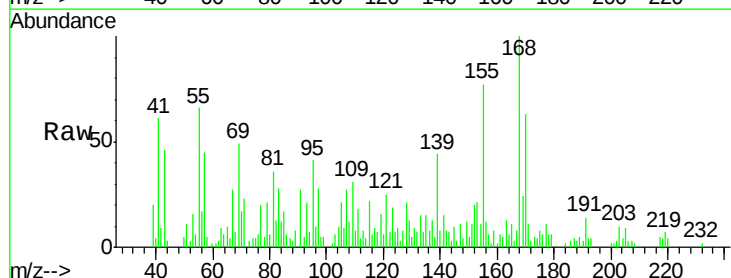
Tgt Ion:184 Resp: 123

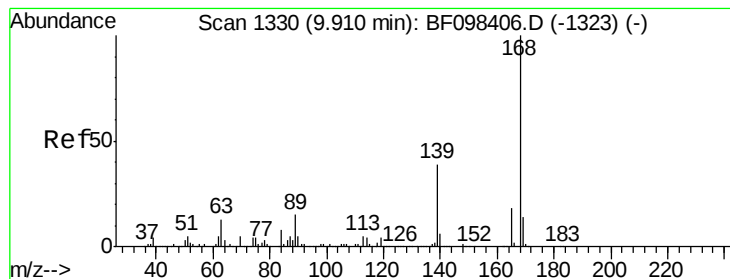
Ion Ratio Lower Upper

184 100

63 481.9 62.7 94.1#

154 559.2 81.1 121.7#





#54

Dibenzenofuran

Concen: 6.04 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.02 min

Lab File: BF098672.D

Acq: 20 Sep 2017 20:52

Instrument :

BNA_F

ClientSampleId :

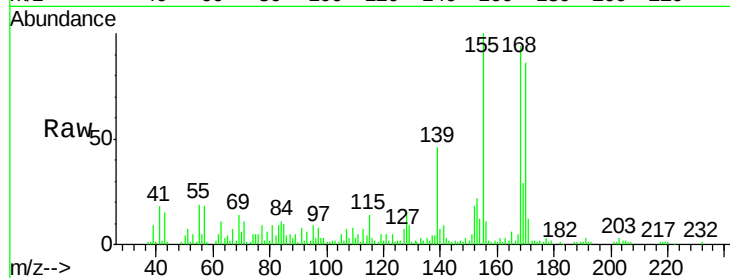
Tot Ion:168 Resp: 62240

Ion Ratio Lower Upper

168 100

139 48.5 30.6 45.8#

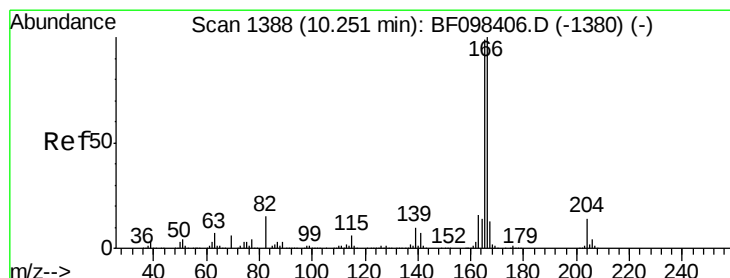
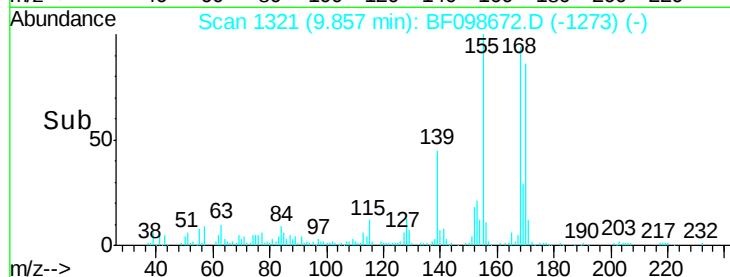
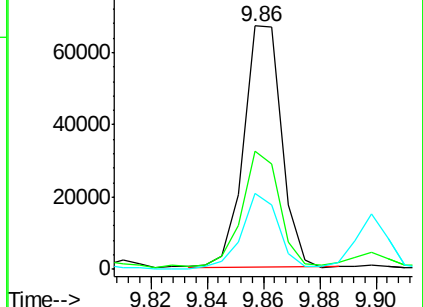
169 31.1 10.8 16.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 4.75 ng

RT: 10.20 min Scan# 1380

Delta R.T. -0.01 min

Lab File: BF098672.D

Acq: 20 Sep 2017 20:52

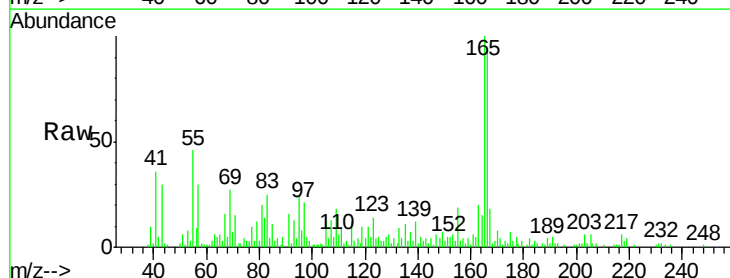
Tgt Ion:166 Resp: 40517

Ion Ratio Lower Upper

166 100

165 106.9 78.8 118.2

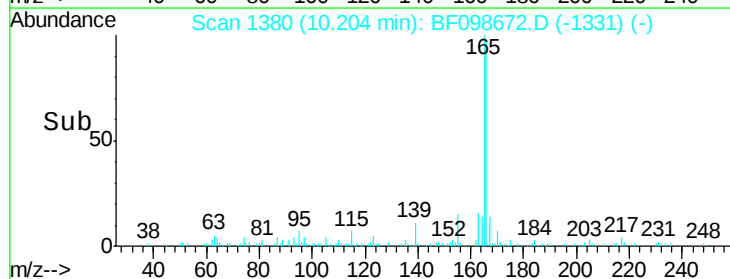
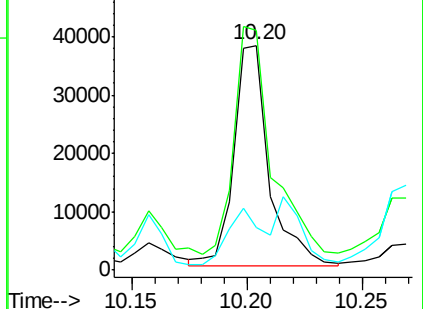
167 19.1 10.6 16.0#

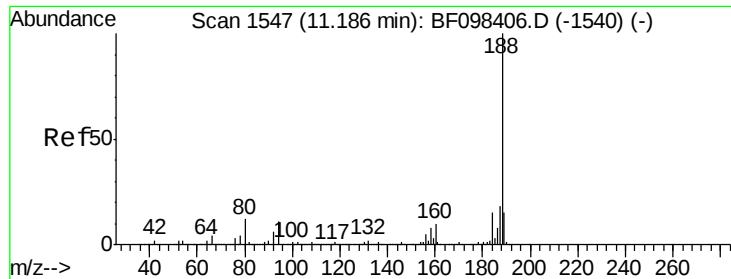


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

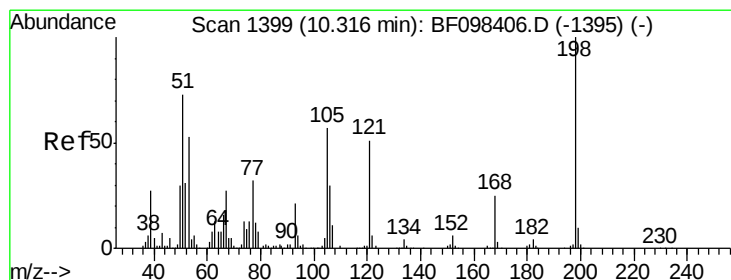
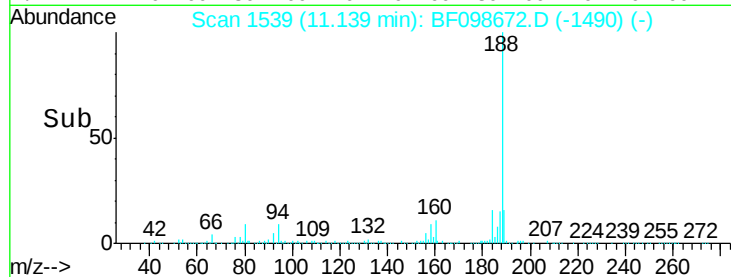
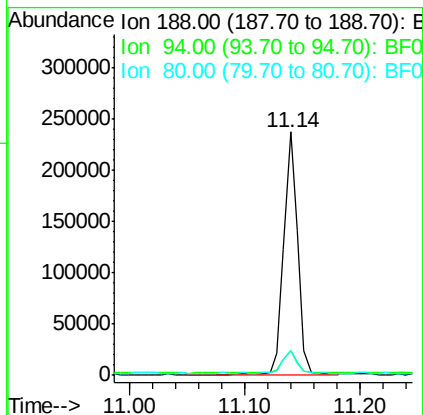
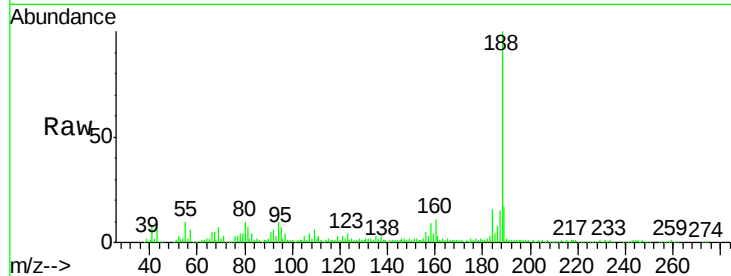




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 1539
Delta R.T. -0.01 min
Lab File: BF098672.D
Acq: 20 Sep 2017 20:52

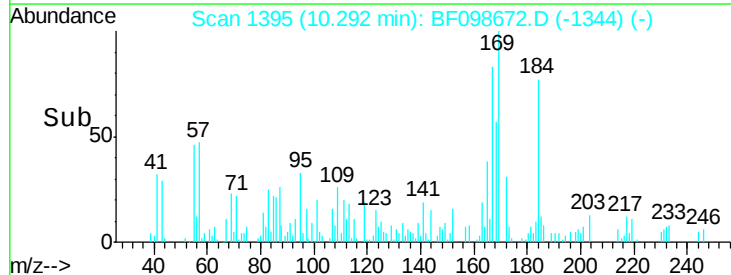
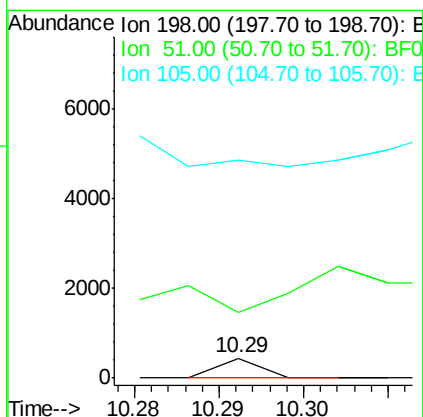
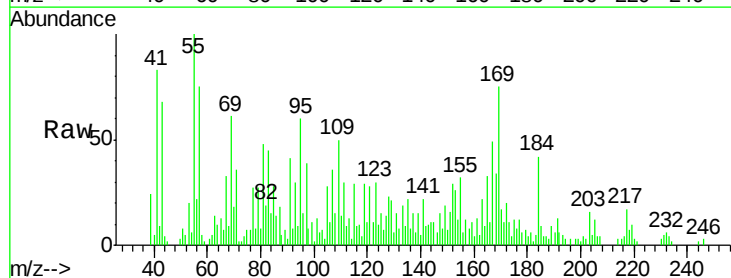
Instrument :
BNA_F
ClientSampleId :

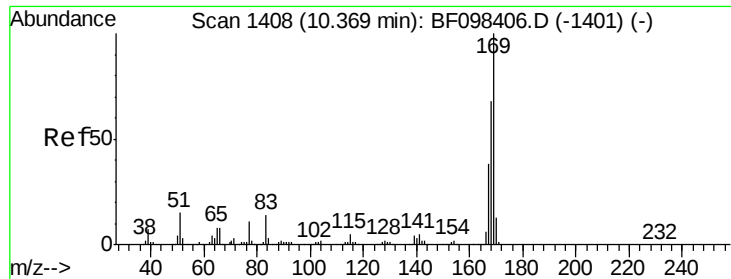
Tot Ion:188 Resp: 196495
Ion Ratio Lower Upper
188 100
94 10.0 9.4 14.2
80 10.2 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 5.08 ng
RT: 10.29 min Scan# 1395
Delta R.T. 0.00 min
Lab File: BF098672.D
Acq: 20 Sep 2017 20:52

Tgt Ion:198 Resp: 155
Ion Ratio Lower Upper
198 100
51 333.9 53.2 93.2#
105 1105.2 45.8 85.8#





#65

n-Nitrosodiphenylamine

Concen: 2.68 ng

RT: 10.31 min Scan# 1398

Delta R.T. -0.02 min

Lab File: BF098672.D

Acq: 20 Sep 2017 20:52

Instrument :

BNA_F

ClientSampleId :

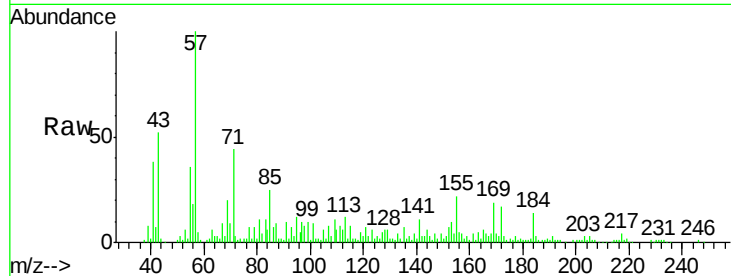
Tot Ion:169 Resp: 17083

Ion Ratio Lower Upper

169 100

168 20.9 53.2 79.8#

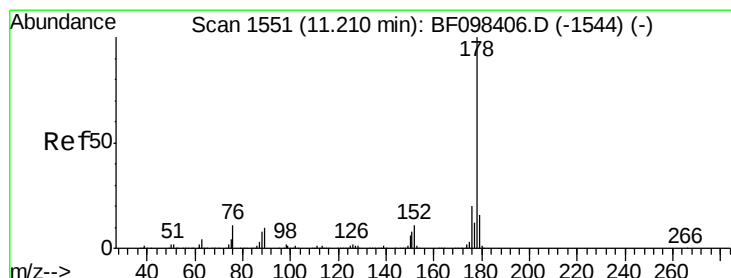
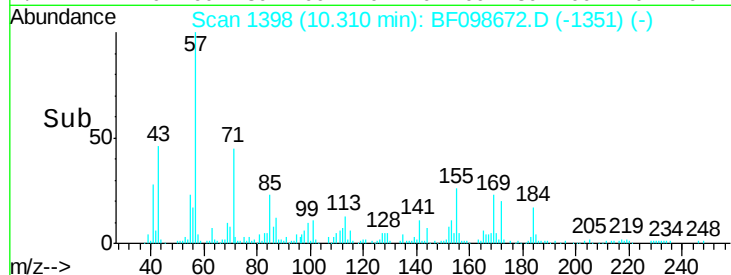
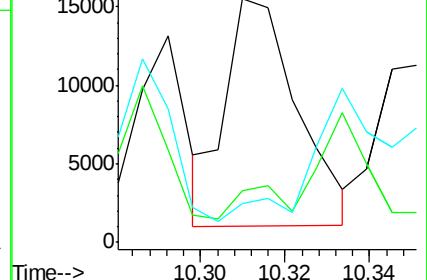
167 16.0 29.5 44.3#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 34.92 ng

RT: 11.16 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BF098672.D

Acq: 20 Sep 2017 20:52

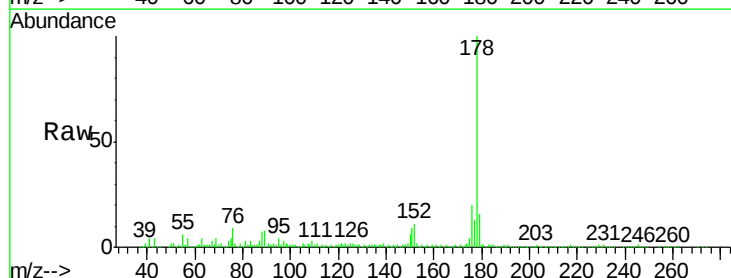
Tgt Ion:178 Resp: 363732

Ion Ratio Lower Upper

178 100

176 20.1 16.2 24.4

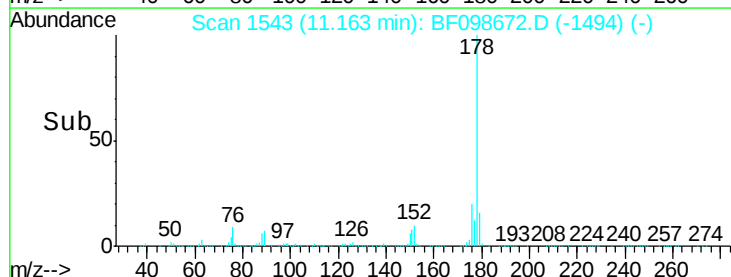
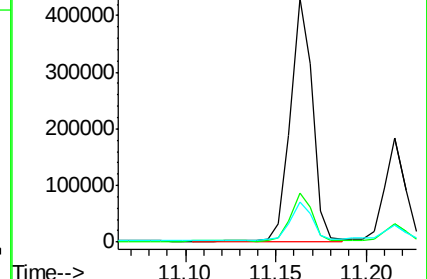
179 16.4 12.6 19.0

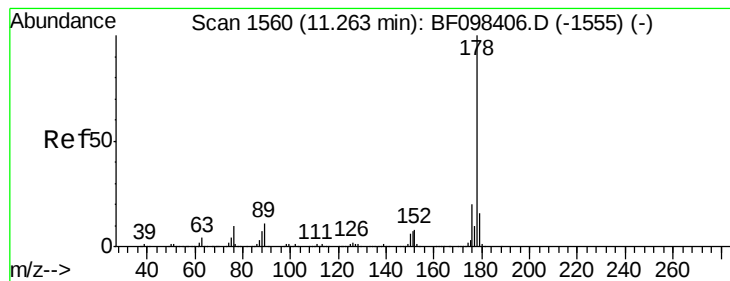


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 13.02 ng

RT: 11.22 min Scan# 1552

Delta R.T. -0.01 min

Lab File: BF098672.D

Acq: 20 Sep 2017 20:52

Instrument :

BNA_F

ClientSampleId :

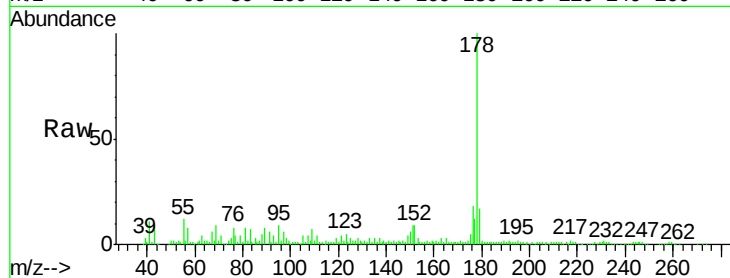
Tot Ion:178 Resp: 139196

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

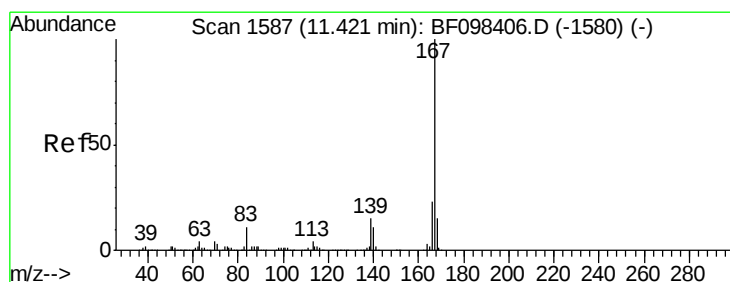
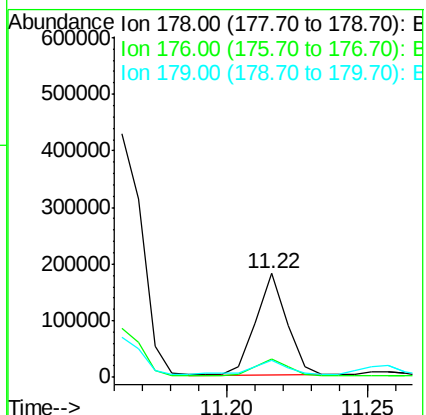
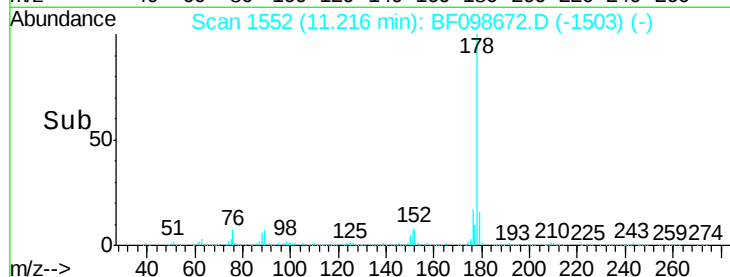
179 16.8 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 2.38 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF098672.D

Acq: 20 Sep 2017 20:52

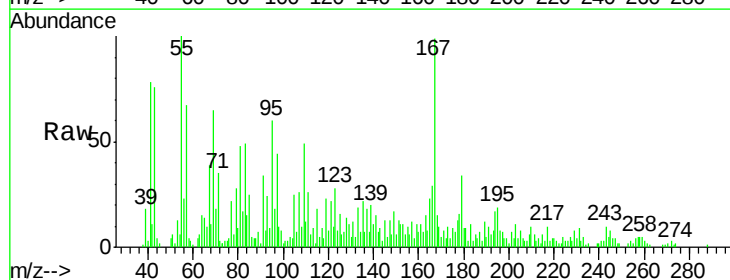
Tgt Ion:167 Resp: 23742

Ion Ratio Lower Upper

167 100

166 28.8 18.1 27.1#

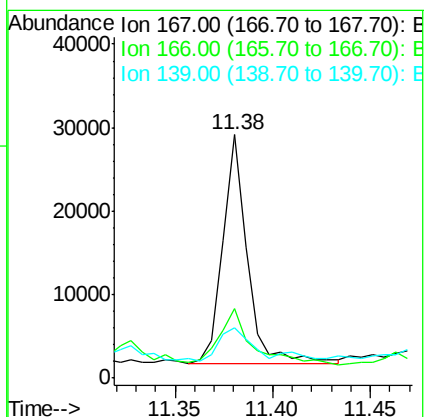
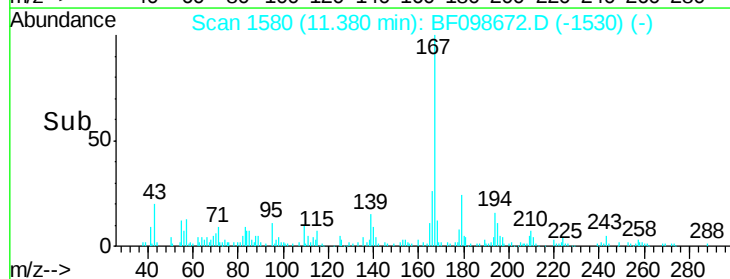
139 20.7 11.7 17.5#

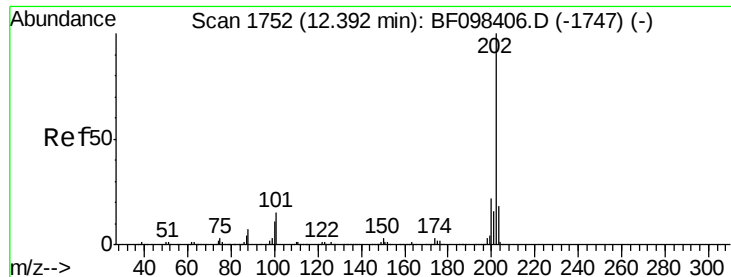


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 32.45 ng

RT: 12.35 min Scan# 1745

Delta R.T. -0.01 min

Lab File: BF098672.D

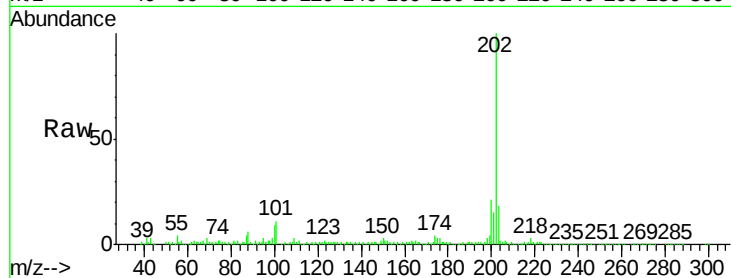
Acq: 20 Sep 2017 20:52

Instrument :

BNA_F

ClientSampled :

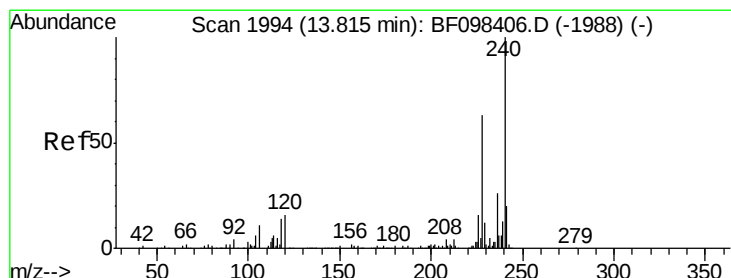
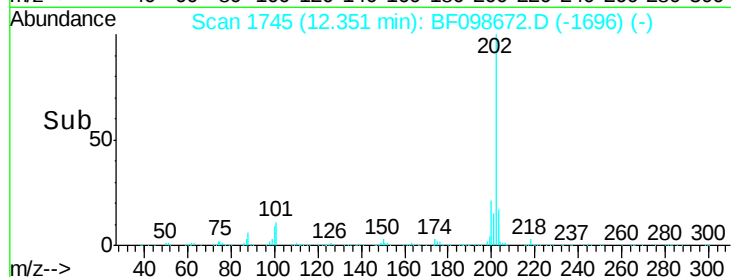
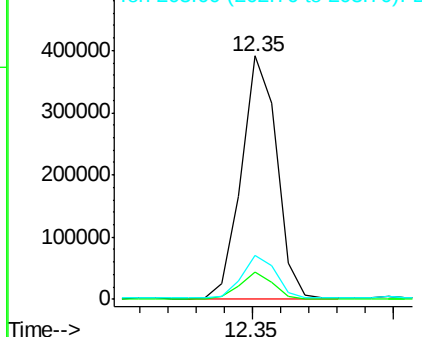
Tot Ion:	202	Resp:	338377
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	33.2
203	18.0	0.0	38.1



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

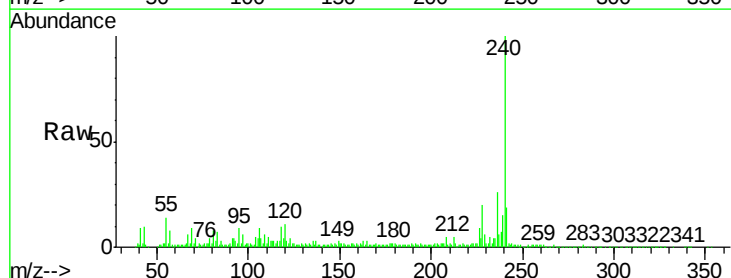
RT: 13.78 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BF098672.D

Acq: 20 Sep 2017 20:52

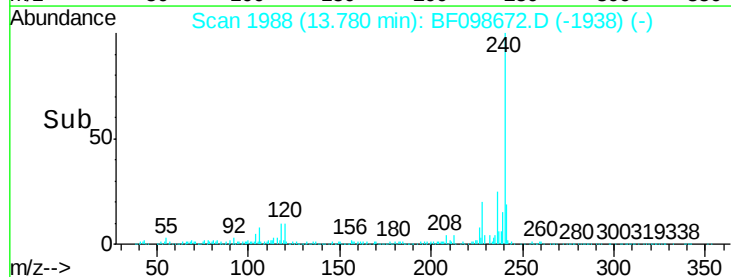
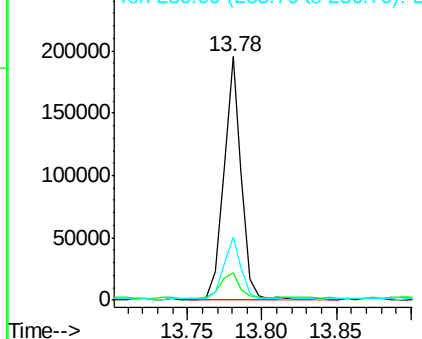
Tgt Ion:	240	Resp:	158019
Ion	Ratio	Lower	Upper
240	100		
120	11.3	5.8	8.8#
236	26.0	20.5	30.7

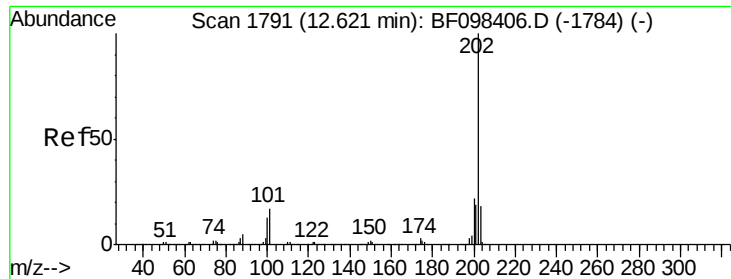


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 21.50 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF098672.D

Acq: 20 Sep 2017 20:52

Instrument :

BNA_F

ClientSampleId :

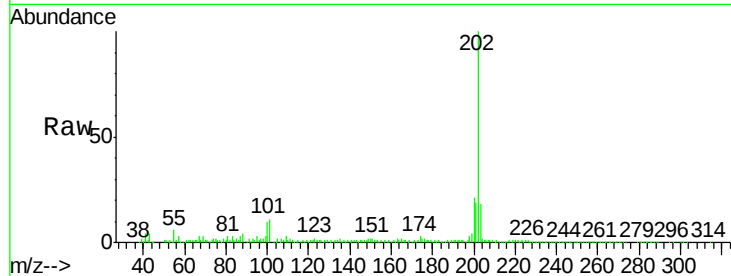
Tot Ion:202 Resp: 268062

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

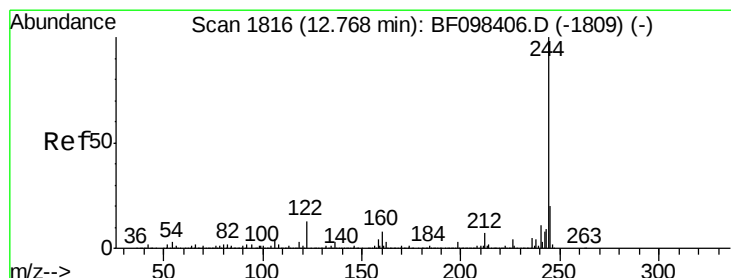
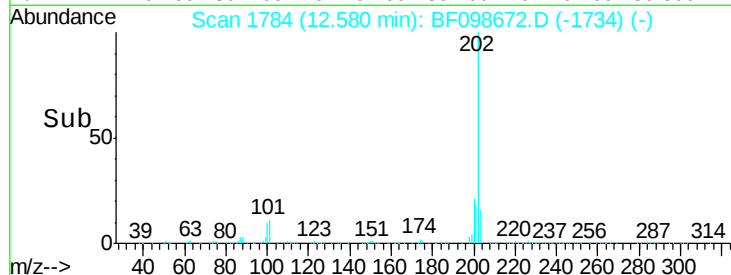
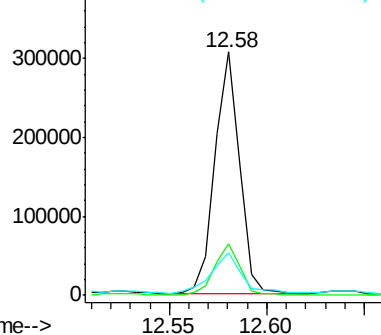
203 17.5 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 79.77 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF098672.D

Acq: 20 Sep 2017 20:52

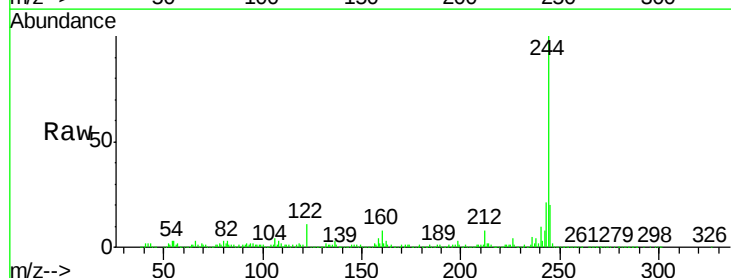
Tgt Ion:244 Resp: 583978

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

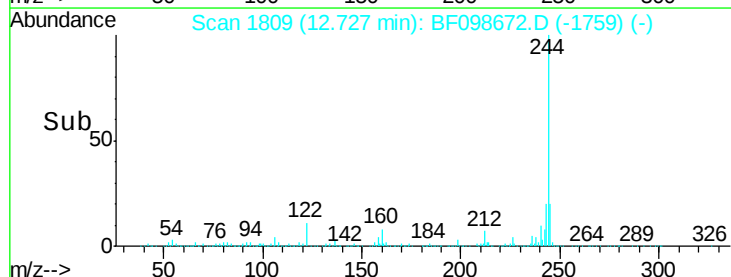
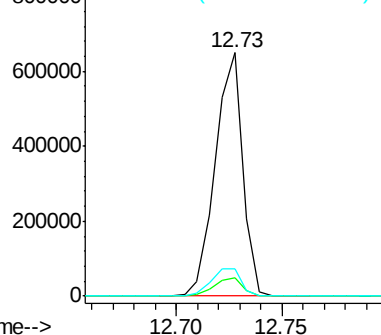
122 11.4 10.3 15.5

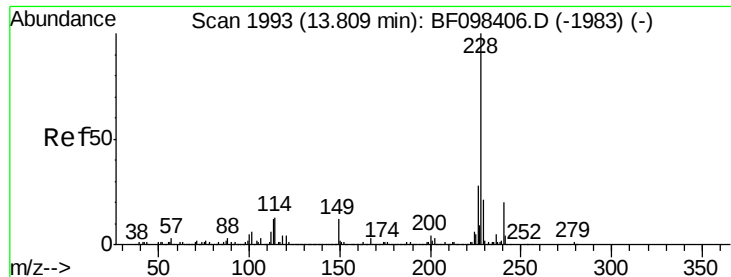


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

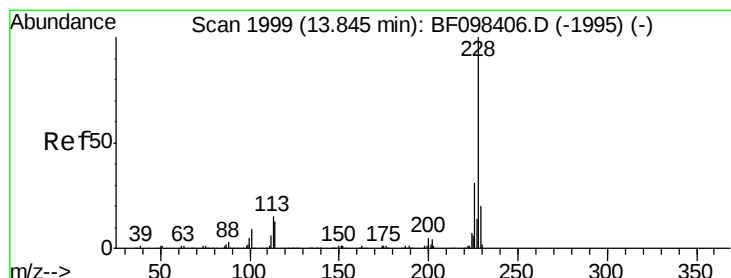
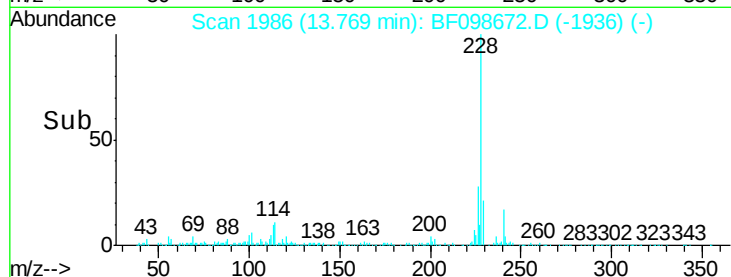
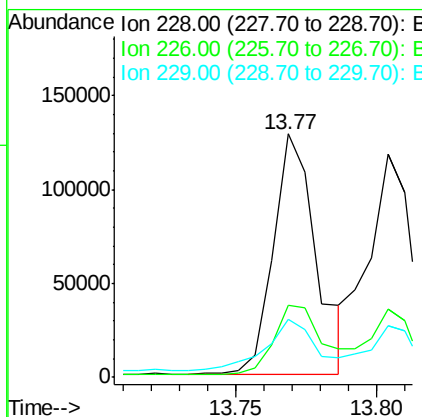
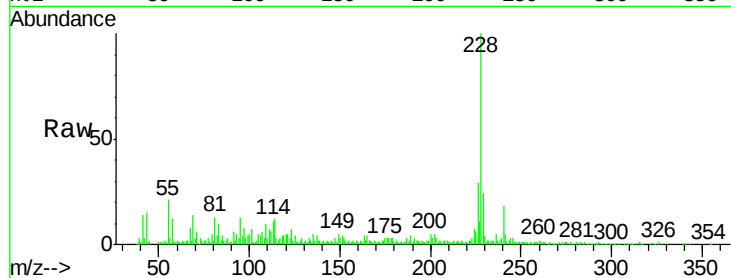




#80
Benzo(a)anthracene
Concen: 14.63 ng
RT: 13.77 min Scan# 1986
Delta R.T. -0.01 min
Lab File: BF098672.D
Acq: 20 Sep 2017 20:52

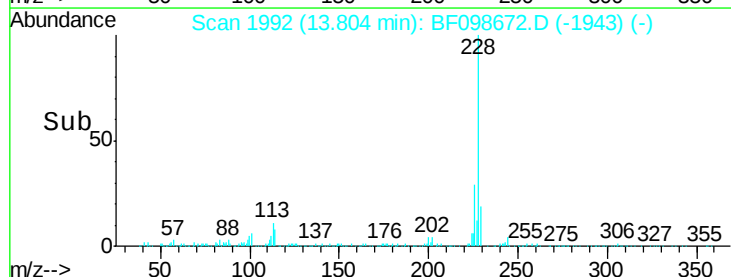
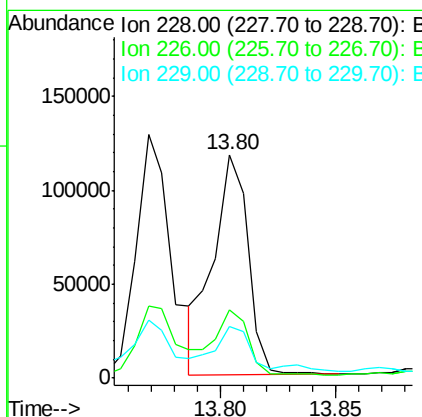
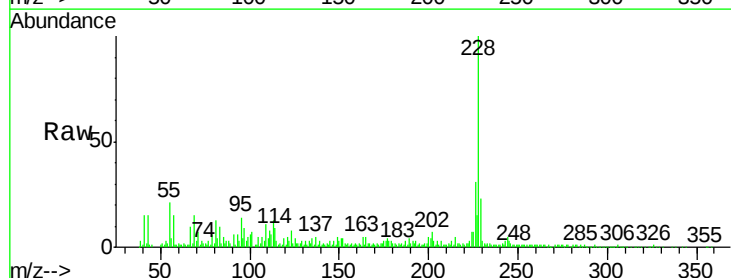
Instrument :
BNA_F
ClientSampleId :

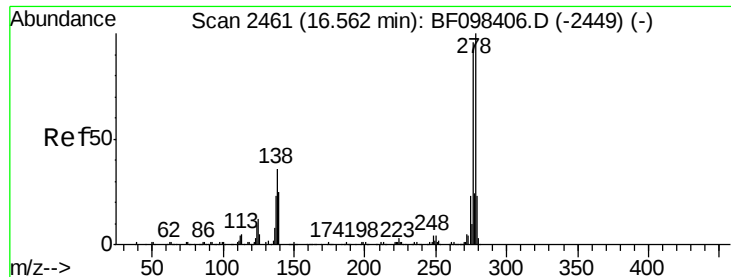
Tot Ion:228 Resp: 135508
Ion Ratio Lower Upper
228 100
226 29.4 22.6 33.8
229 23.6 16.3 24.5



#82
Chrysene
Concen: 13.14 ng
RT: 13.80 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BF098672.D
Acq: 20 Sep 2017 20:52

Tgt Ion:228 Resp: 123034
Ion Ratio Lower Upper
228 100
226 30.5 24.9 37.3
229 22.9 15.8 23.6

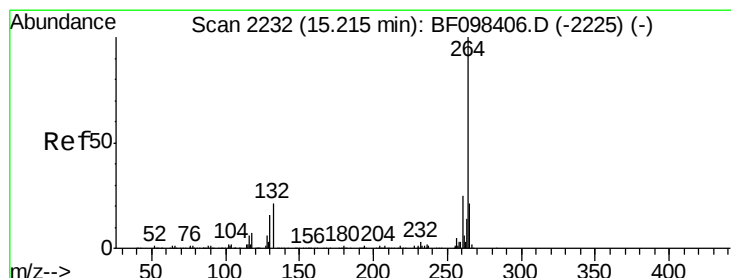
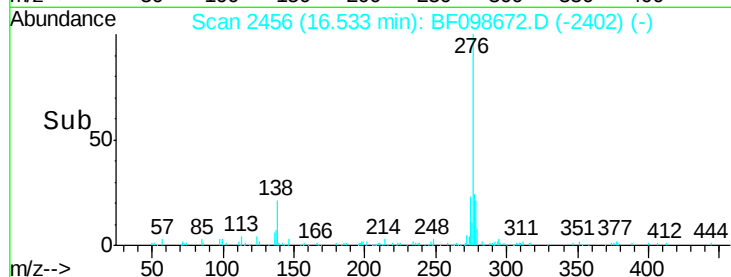
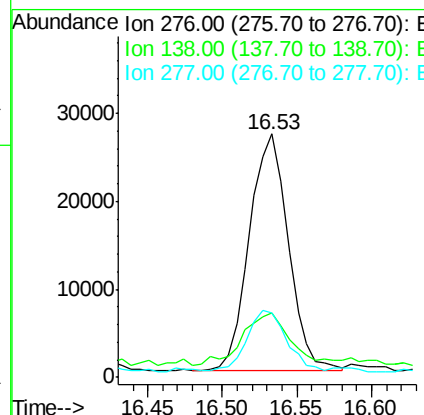
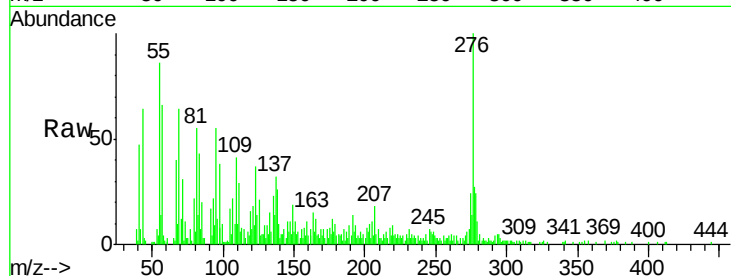




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.37 ng
 RT: 16.53 min Scan# 2456
 Delta R.T. 0.02 min
 Lab File: BF098672.D
 Acq: 20 Sep 2017 20:52

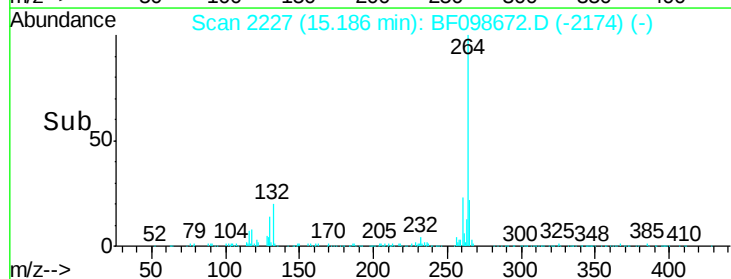
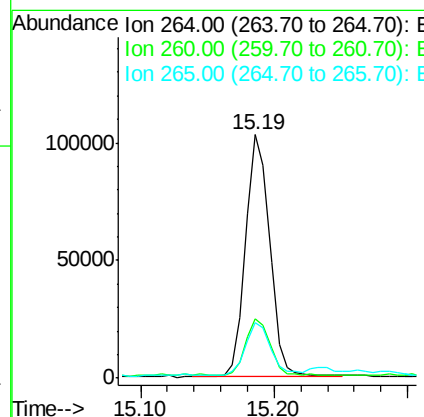
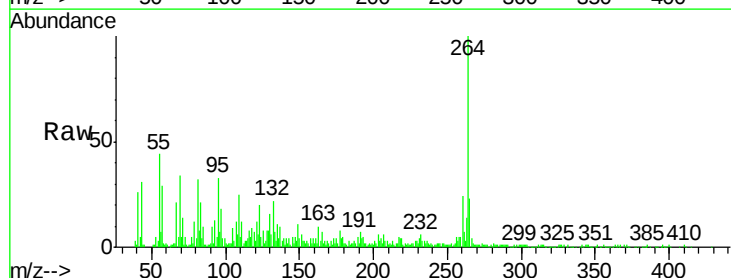
Instrument :
 BNA_F
 ClientSampleId :

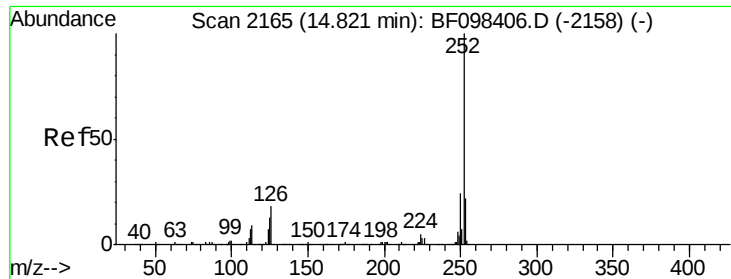
Tot Ion:276 Resp: 48443
 Ion Ratio Lower Upper
 276 100
 138 27.0 27.8 41.6#
 277 26.2 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.19 min Scan# 2227
 Delta R.T. 0.01 min
 Lab File: BF098672.D
 Acq: 20 Sep 2017 20:52

Tgt Ion:264 Resp: 128785
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.5 29.3
 265 23.0 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 25.86 ng

RT: 14.80 min Scan# 2161

Delta R.T. 0.01 min

Lab File: BF098672.D

Acq: 20 Sep 2017 20:52

Instrument :

BNA_F

ClientSampleId :

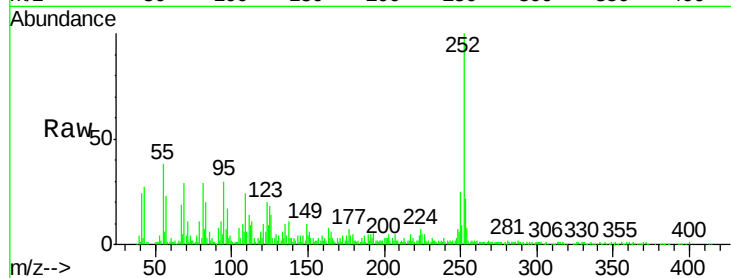
Tot Ion:252 Resp: 209387

Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

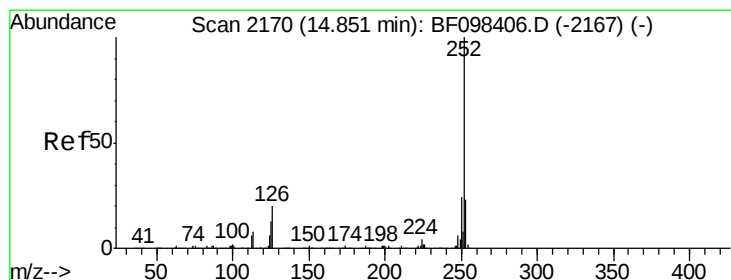
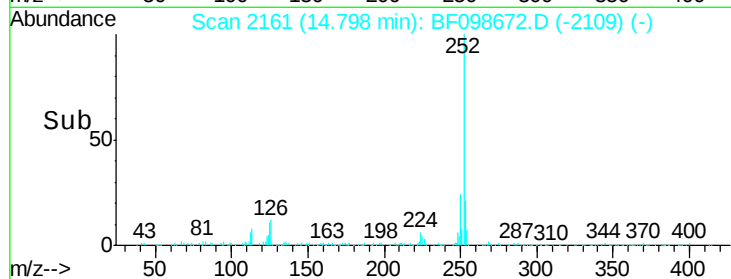
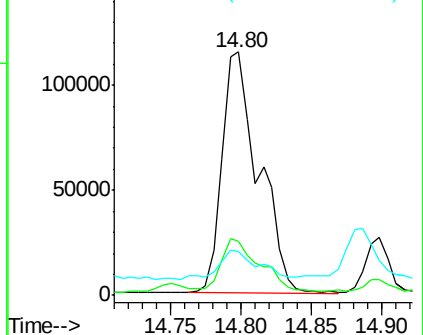
125 18.1 9.8 14.8#



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: 27.70 ng

RT: 14.80 min Scan# 2161

Delta R.T. -0.02 min

Lab File: BF098672.D

Acq: 20 Sep 2017 20:52

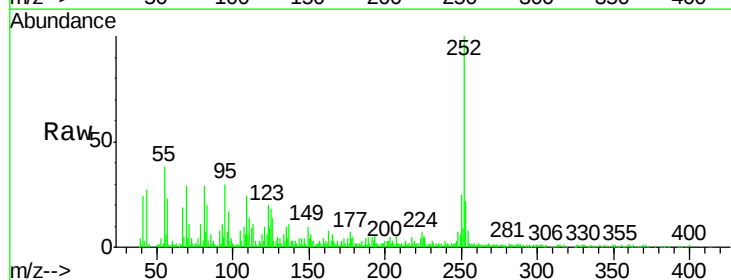
Tgt Ion:252 Resp: 209387

Ion Ratio Lower Upper

252 100

253 22.4 18.4 27.6

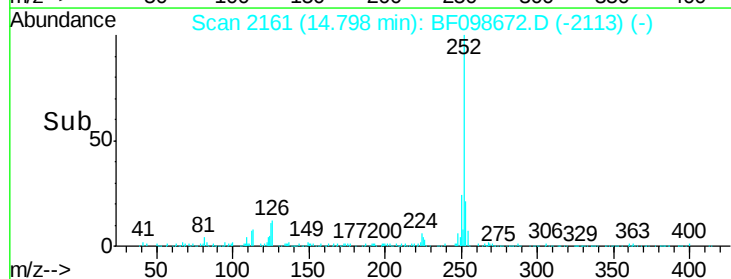
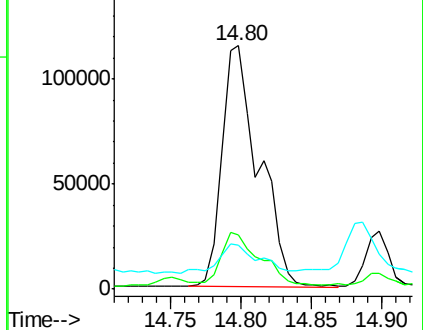
125 18.1 13.1 19.7

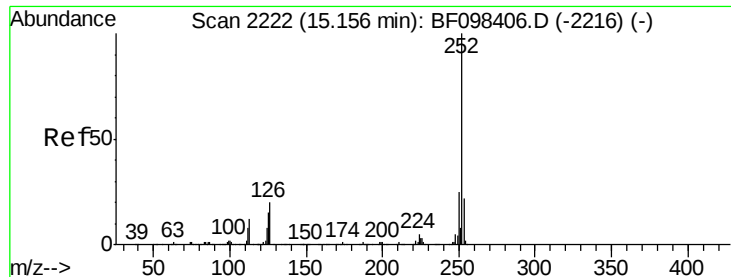


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 10.97 ng

RT: 15.13 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BF098672.D

Acq: 20 Sep 2017 20:52

Instrument :

BNA_F

ClientSampled :

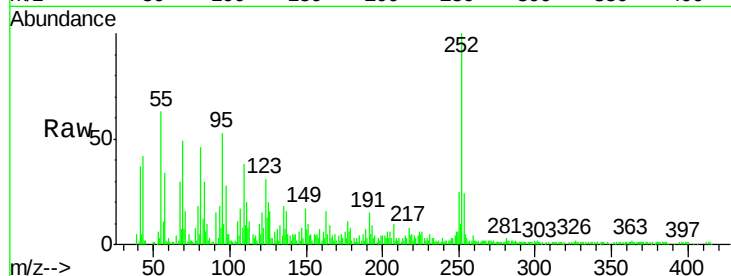
Tot Ion:252 Resp: 79152

Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

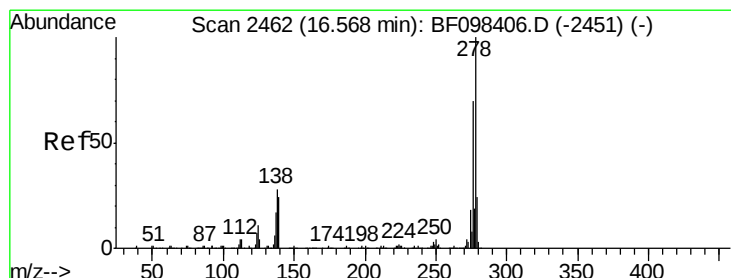
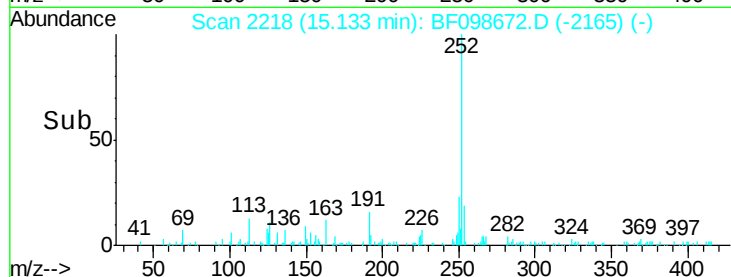
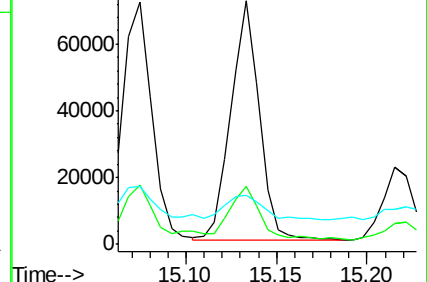
125 20.1 11.0 16.4#



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



#90

Dibenzo(a,h)anthracene

Concen: 2.73 ng

RT: 16.53 min Scan# 2455

Delta R.T. 0.01 min

Lab File: BF098672.D

Acq: 20 Sep 2017 20:52

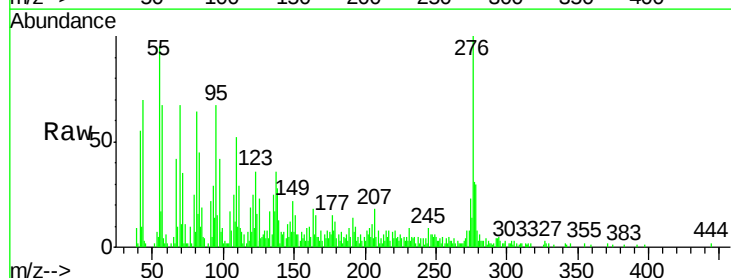
Tgt Ion:278 Resp: 14335

Ion Ratio Lower Upper

278 100

139 43.2 16.6 24.8#

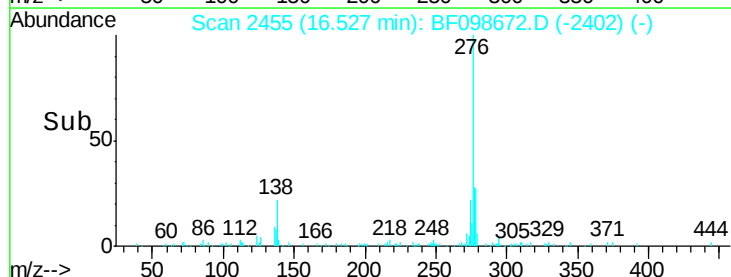
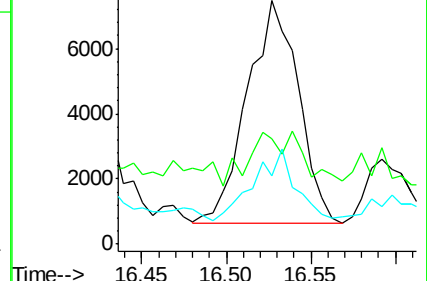
279 28.2 19.3 28.9

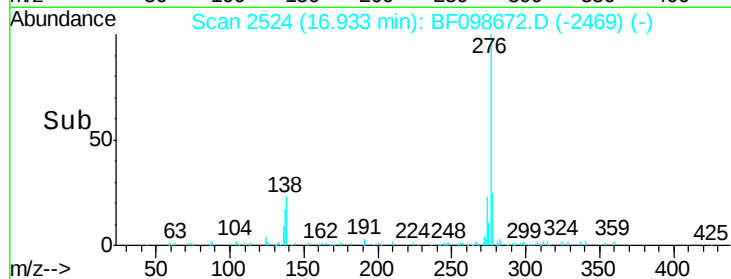
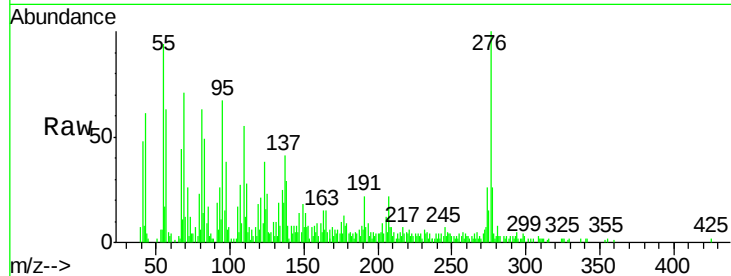
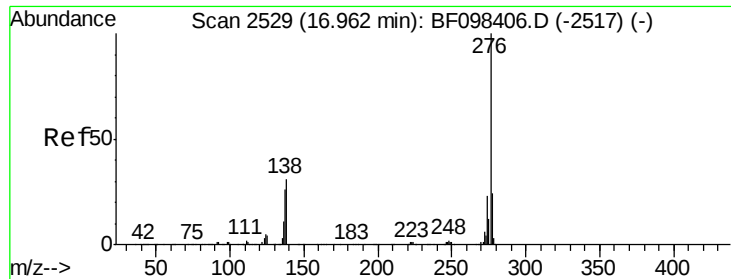


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 8.36 ng

RT: 16.93 min Scan# 2524

Delta R.T. 0.02 min

Lab File: BF098672.D

Acq: 20 Sep 2017 20:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 44132

Ion Ratio Lower Upper

276 100

277 26.2 18.6 28.0

138 28.9 25.4 38.0

