

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
 Data File : BF098767.D
 Acq On : 24 Sep 2017 5:30
 Operator : SJ/JU
 Sample : I5304-05DL 100X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 25 05:06:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	121098	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	405934	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	149159	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	266865	20.00	ng	0.00
75) Chrysene-d12	14.09	240	264011	20.00	ng	0.00
86) Perylene-d12	15.58	264	205742	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	7831	1.03	ng	-0.01
7) Phenol-d6	6.53	99	9544	1.02	ng	-0.02
23) Nitrobenzene-d5	7.47	82	4513	0.71	ng	-0.01
41) 2,4,6-Tribromophenol	10.75	330	1030	0.84	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	8870	0.99	ng	0.00
78) Terphenyl-d14	13.03	244	8635	0.74	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.68	88	107	0.03	ng	# 20
9) Benzaldehyde	6.69	77	144	0.03	ng	# 1
15) Benzyl Alcohol	6.92	79	3464	0.50	ng	# 8
19) n-Nitroso-di-n-propylamine	7.47	70	656	0.11	ng	# 71
25) Isophorone	7.47	82	4512	0.34	ng	# 64
31) Naphthalene	8.22	128	732	0.04	ng	# 68
37) 2-Methylnaphthalene	9.02	142	1665	0.13	ng	# 92
45) 1,1'-Biphenyl	9.38	154	426	0.03	ng	# 42
48) Acenaphthylene	9.82	152	1128	0.08	ng	# 81
50) 2,6-Dinitrotoluene	9.96	165	19211	7.84	ng	# 25
51) Acenaphthene	9.99	154	18680	2.00	ng	# 98
54) Dibenzofuran	10.16	168	4189	0.34	ng	# 92
55) 4-Nitrophenol	10.16	139	1755	0.73	ng	# 9
56) 2,4-Dinitrotoluene	9.96	165	19211	6.04	ng	# 23
57) Fluorene	10.50	166	9165	0.92	ng	# 100
61) 4-Nitroaniline	10.50	138	107	0.04	ng	# 19
62) Azobenzene	10.67	77	109	0.01	ng	# 1
65) n-Nitrosodiphenylamine	10.62	169	1781	0.19	ng	# 97
70) Phenanthrene	11.47	178	395346	27.68	ng	# 99
71) Anthracene	11.52	178	121603	8.32	ng	# 97
72) Carbazole	11.67	167	41588	2.91	ng	# 99
73) Di-n-butylphthalate	11.97	149	128	0.01	ng	# 1
74) Fluoranthene	12.66	202	1010273	69.84	ng	# 100
76) Benzidine	13.03	184	133	0.01	ng	# 66
77) Pyrene	12.89	202	885314	43.98	ng	# 99
79) Butylbenzylphthalate	13.51	149	138	0.01	ng	# 23
80) Benzo(a)anthracene	14.07	228	323430	20.23	ng	# 99
81) 3,3'-Dichlorobenzidine	14.12	252	2228	0.38	ng	# 1
82) Chrysene	14.11	228	264535	17.38	ng	# 98
83) Bis(2-ethylhexyl)phthalate	14.07	149	2099	0.16	ng	# 91
84) Di-n-octyl phthalate	14.66	149	305	0.01	ng	# 1
85) Indeno(1,2,3-cd)pyrene	17.08	276	37836	3.11	ng	# 99
87) Benzo(b)fluoranthene	15.14	252	256853	20.30	ng	# 96
88) Benzo(k)fluoranthene	15.14	252	256853	20.56	ng	# 98

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Misc :
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Instrument :
BNA_F
ClientSampleId :

Quant Time: Sep 25 05:06:36 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration

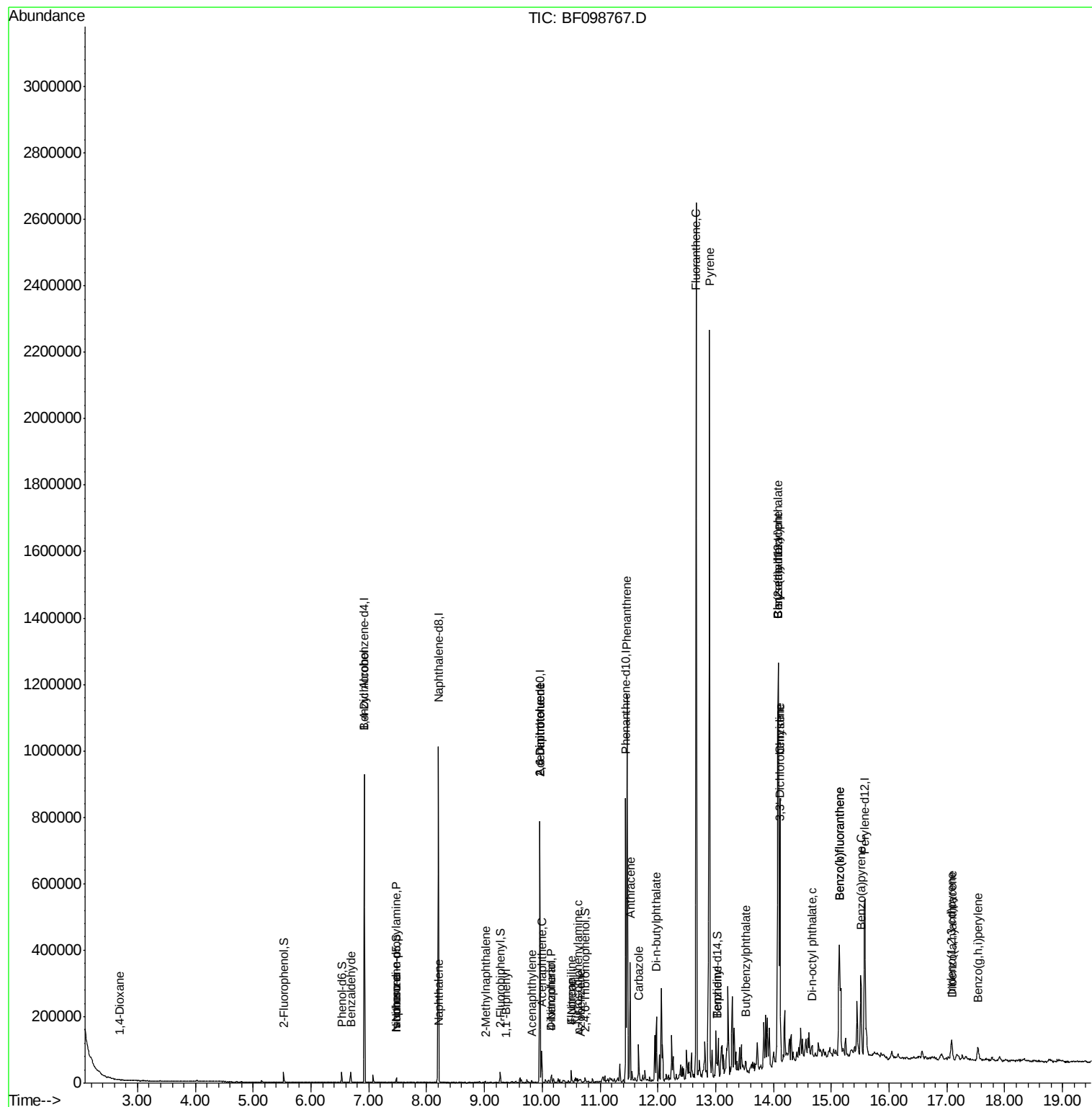
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(a)pyrene	15.51	252	109047	9.39	ng	# 96
90) Dibenzo(a,h)anthracene	17.09	278	10240	1.10	ng	# 89
91) Benzo(g,h,i)perylene	17.53	276	30950	3.37	ng	96

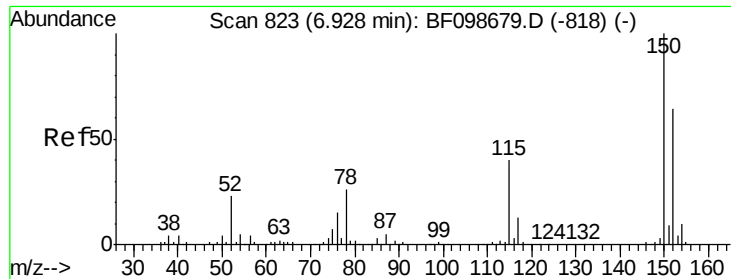
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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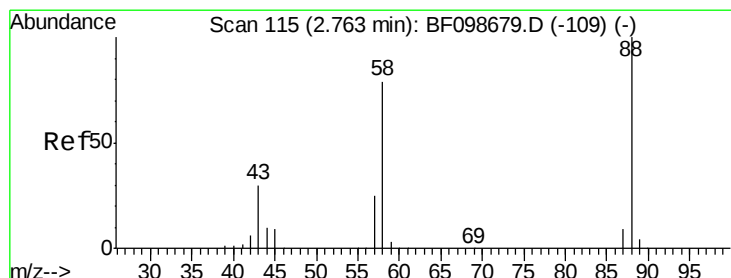
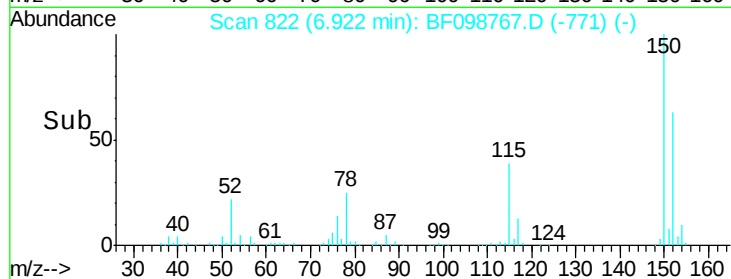
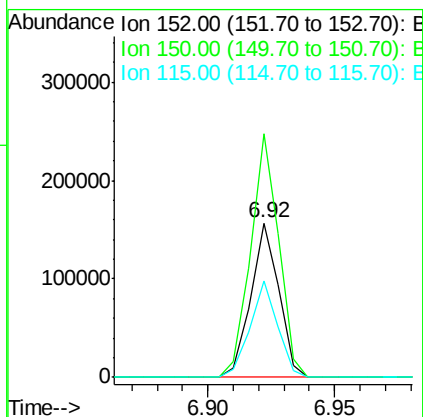
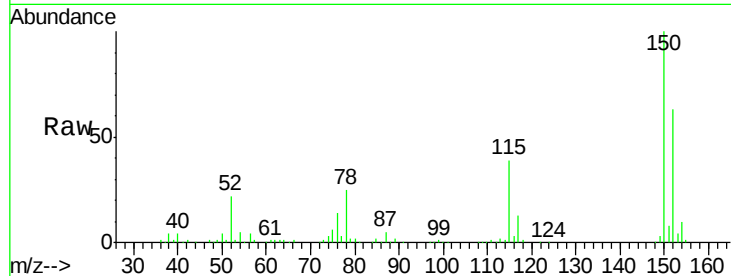


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 822
Delta R.T. 0.00 min
Lab File: BF098767.D
Acq: 24 Sep 2017 5:30

Instrument :
BNA_F
ClientSampleId :

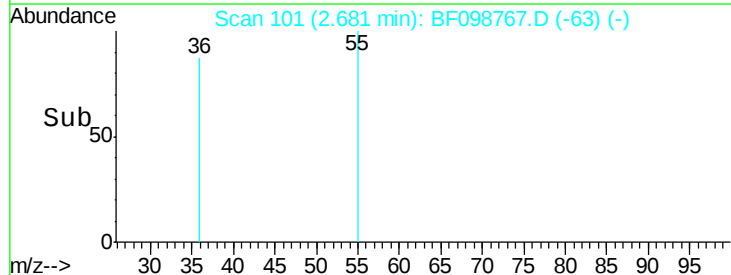
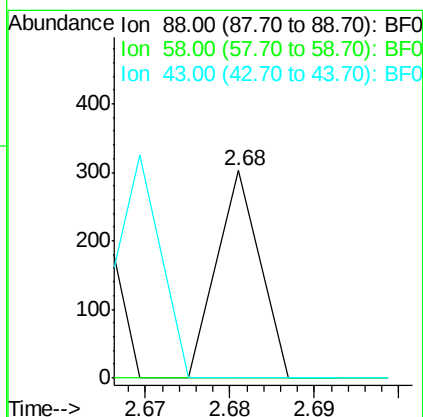
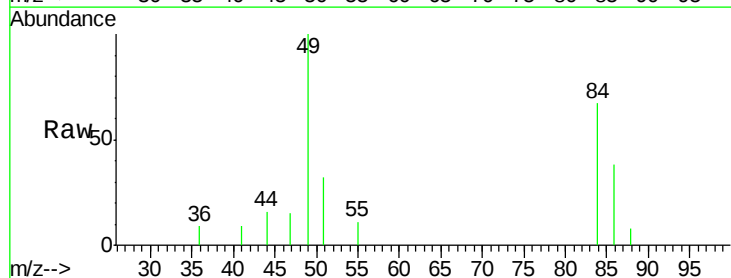
Tot Ion:152 Resp: 121098
Ion Ratio Lower Upper
152 100
150 157.7 124.6 186.8
115 62.0 50.1 75.1

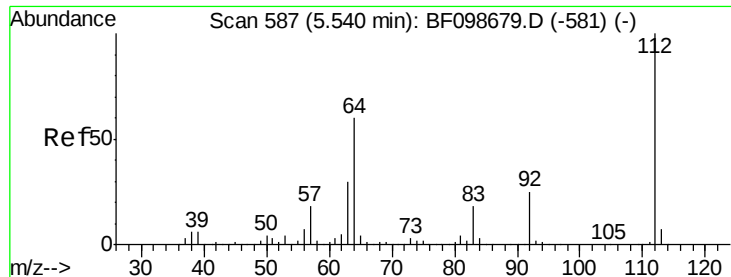


#2

1,4-Dioxane
Concen: 0.03 ng
RT: 2.68 min Scan# 101
Delta R.T. -0.08 min
Lab File: BF098767.D
Acq: 24 Sep 2017 5:30

Tgt Ion: 88 Resp: 107
Ion Ratio Lower Upper
88 100
58 0.0 62.6 93.8#
43 0.0 24.6 37.0#





#5

2-Fluorophenol

Concen: 1.03 ng

RT: 5.53 min Scan# 585

Delta R.T. -0.01 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

Instrument :

BNA_F

ClientSampleId :

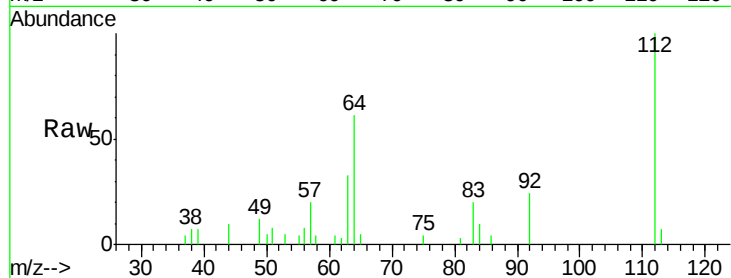
Tot Ion: 112 Resp: 7831

Ion Ratio Lower Upper

112 100

64 61.3 47.9 71.9

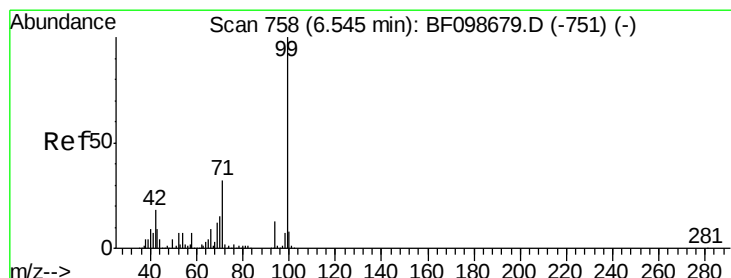
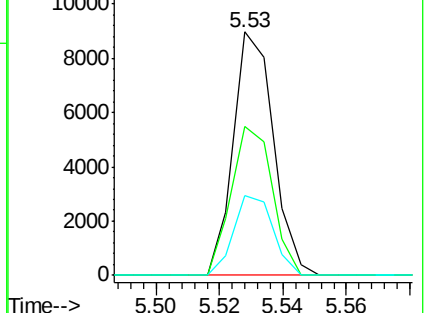
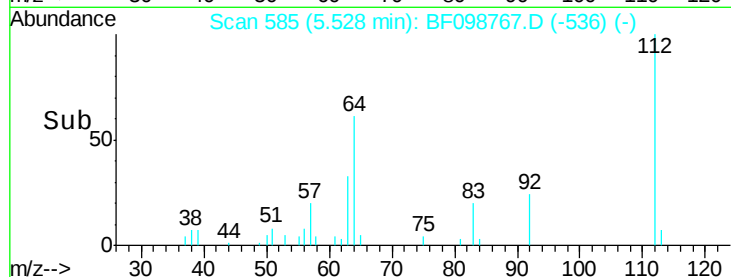
63 32.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 1.02 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

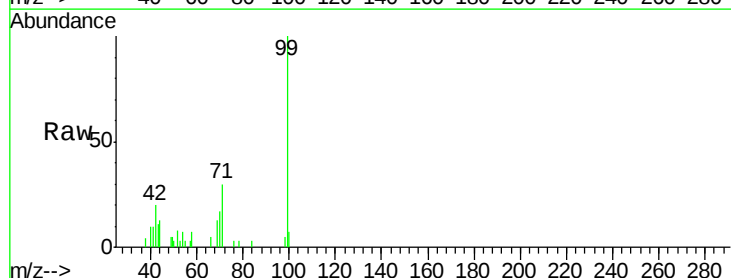
Tgt Ion: 99 Resp: 9544

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

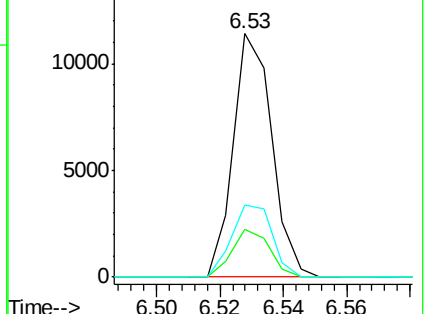
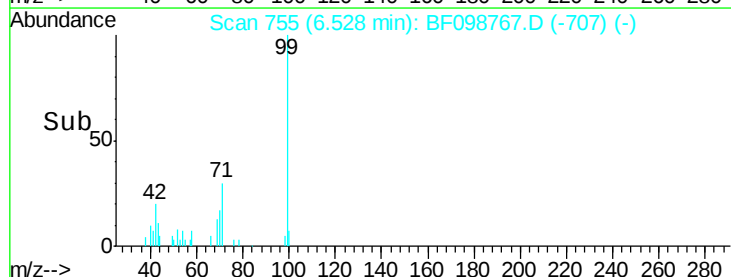
71 29.6 25.4 38.0

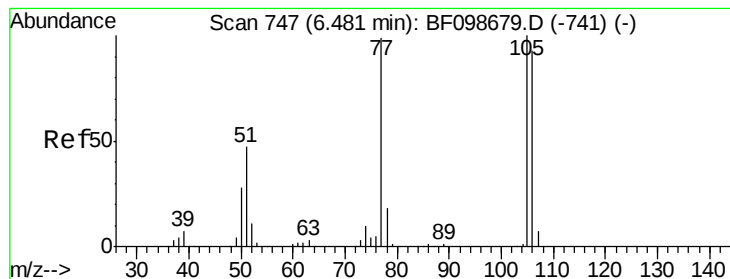


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 0.03 ng

RT: 6.69 min Scan# 782

Delta R.T. 0.21 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

Instrument :

BNA_F

ClientSampled :

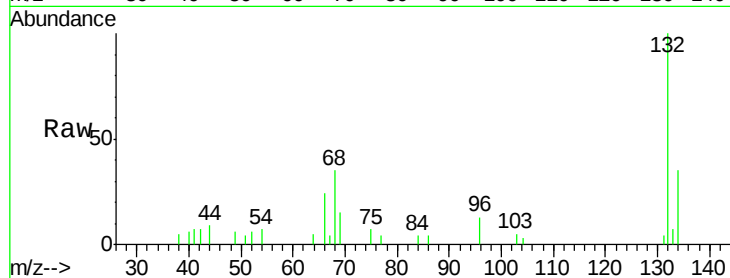
Tot Ion: 77 Resp: 144

Ion Ratio Lower Upper

77 100

105 0.0 81.1 121.1#

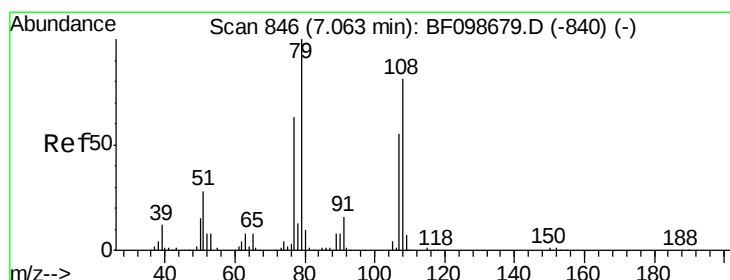
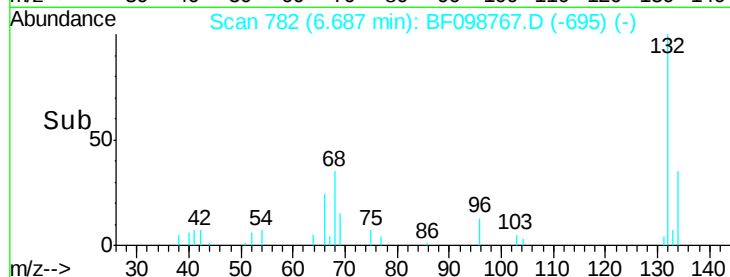
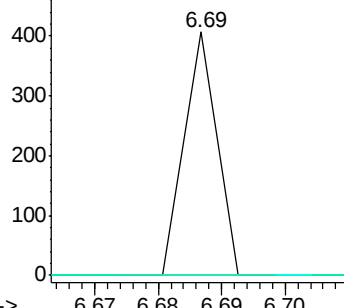
106 0.0 74.5 114.5#



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



#15

Benzyl Alcohol

Concen: 0.50 ng

RT: 6.92 min Scan# 822

Delta R.T. -0.14 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

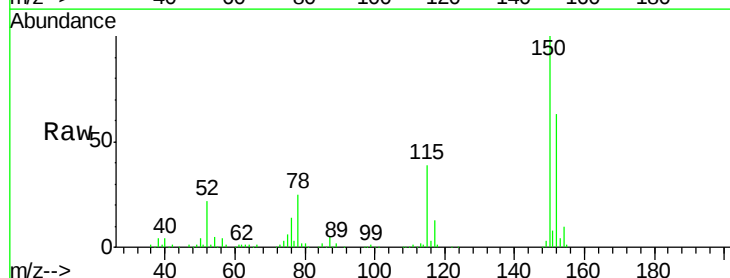
Tgt Ion: 79 Resp: 3464

Ion Ratio Lower Upper

79 100

108 11.1 65.1 97.7#

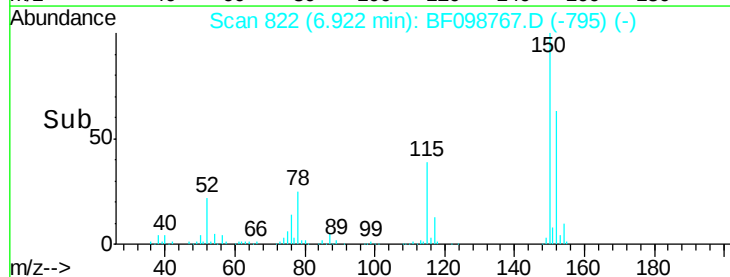
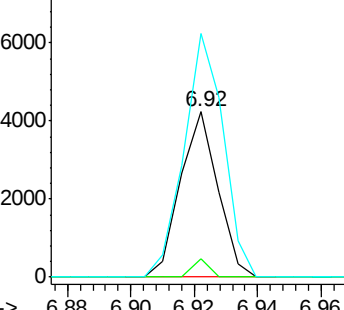
77 147.5 50.6 75.8#

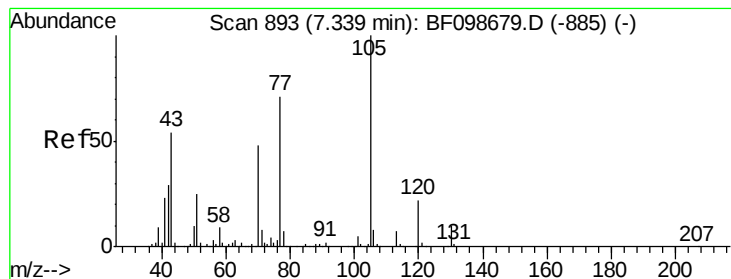


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 0.11 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 656

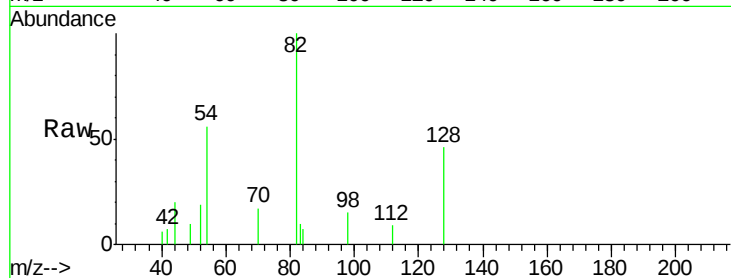
Ion Ratio Lower Upper

70 100

42 40.9 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

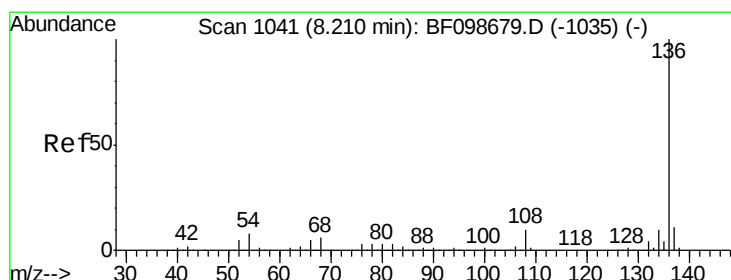
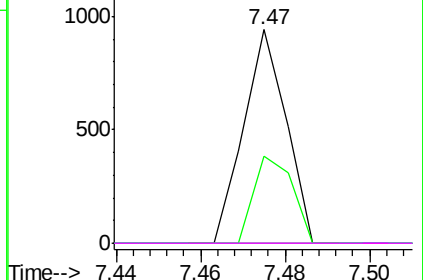
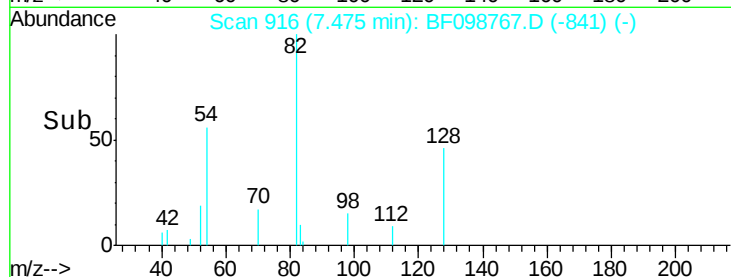


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 1040

Delta R.T. 0.00 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

Tgt Ion: 136 Resp: 405934

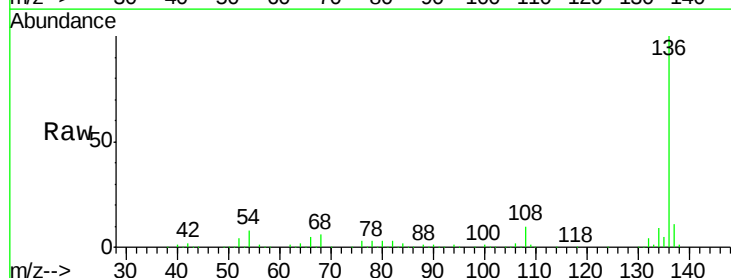
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.6 6.6 9.8

68 5.6 5.0 7.4

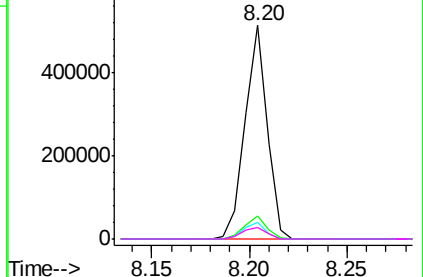
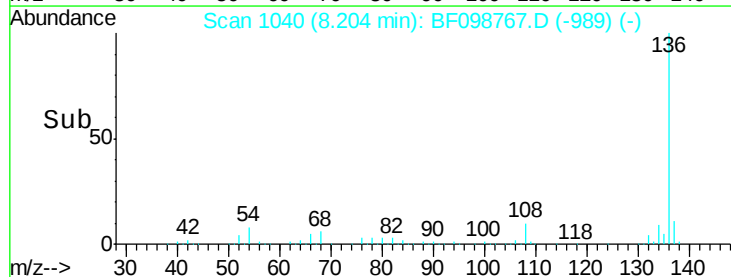


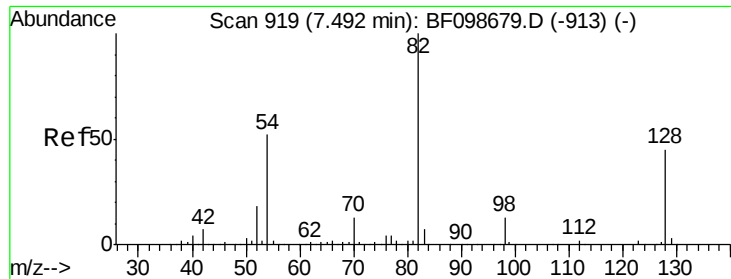
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

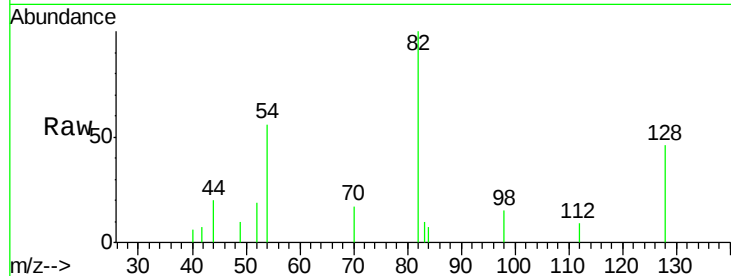




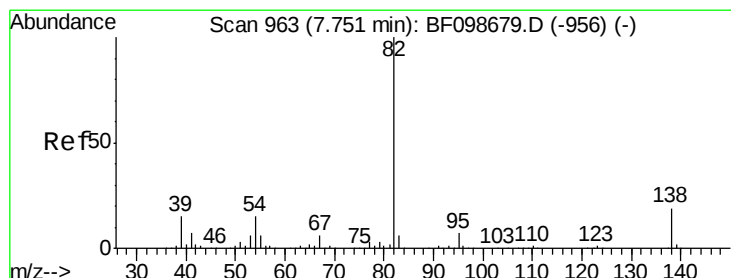
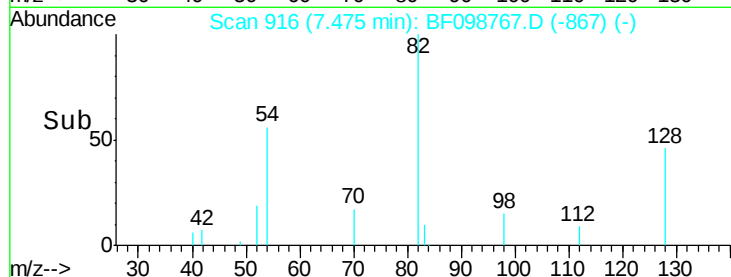
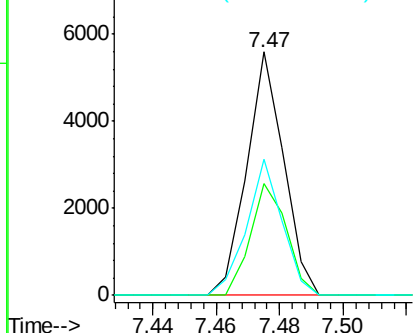
#23
Nitrobenzene-d5
Concen: 0.71 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098767.D
Acq: 24 Sep 2017 5:30

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 4513
Ion Ratio Lower Upper
82 100
128 46.1 36.1 54.1
54 56.0 41.4 62.2

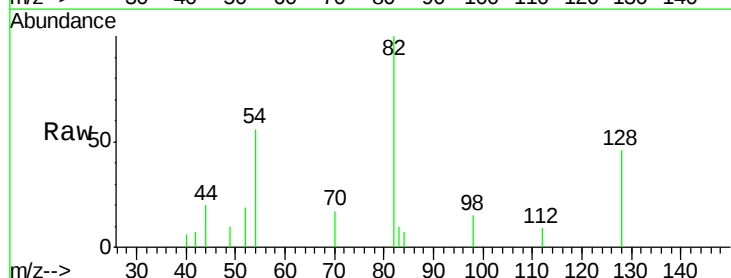


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

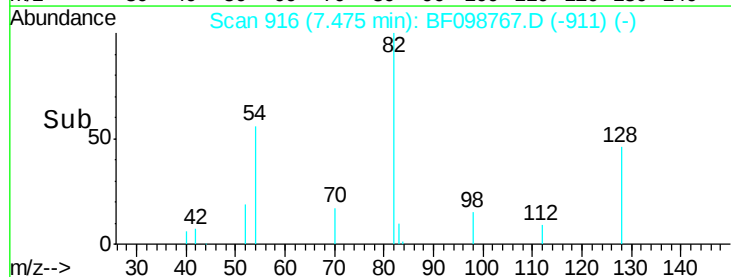
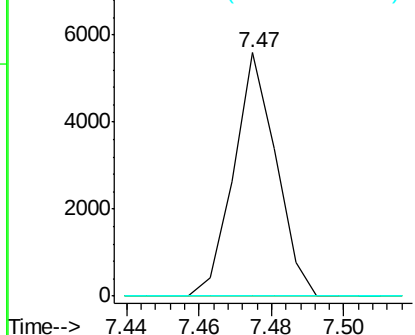


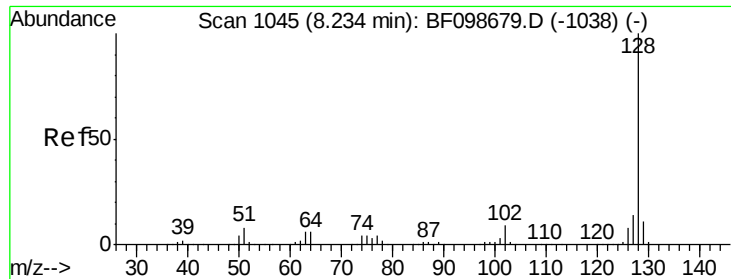
#25
Isophorone
Concen: 0.34 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.27 min
Lab File: BF098767.D
Acq: 24 Sep 2017 5:30

Tgt Ion: 82 Resp: 4512
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



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

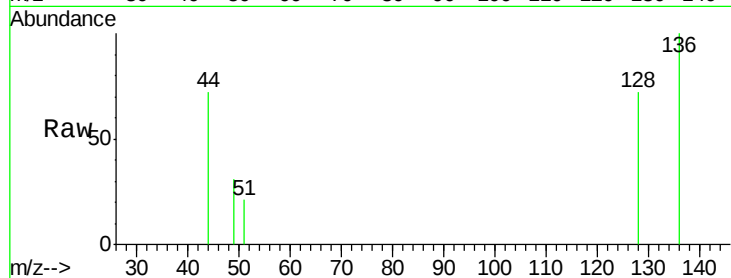




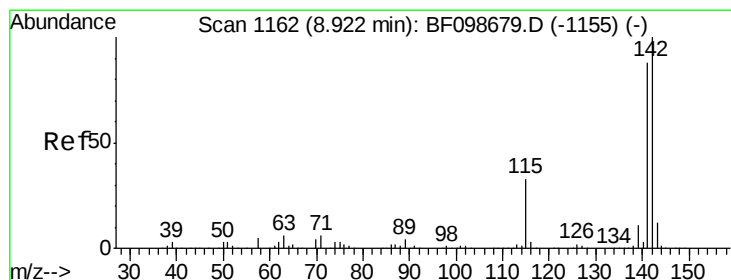
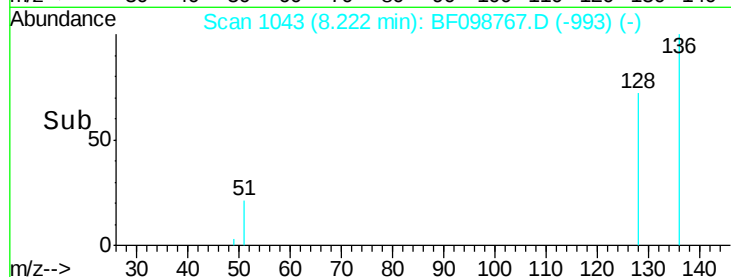
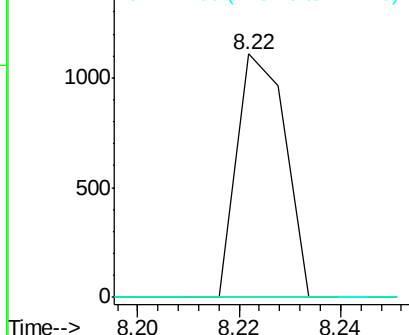
#31
Naphthalene
Concen: 0.04 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF098767.D
Acq: 24 Sep 2017 5:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:128 Resp: 732
Ion Ratio Lower Upper
128 100
129 0.0 8.8 13.2#
127 0.0 10.9 16.3#

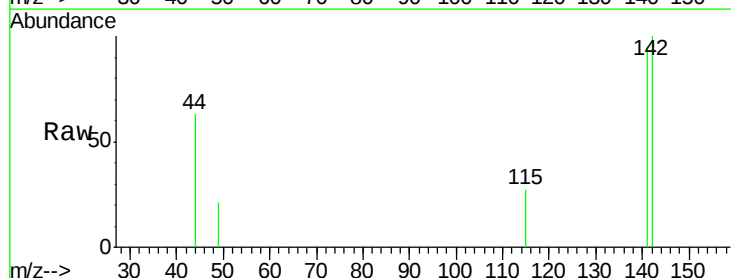


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

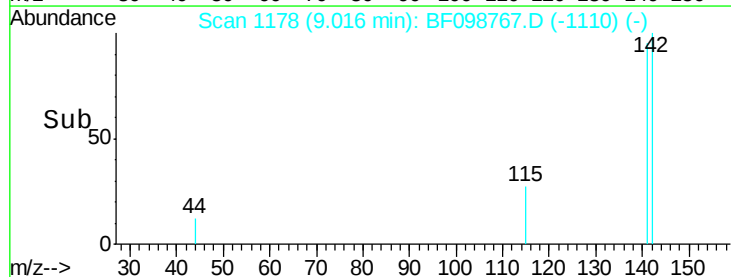
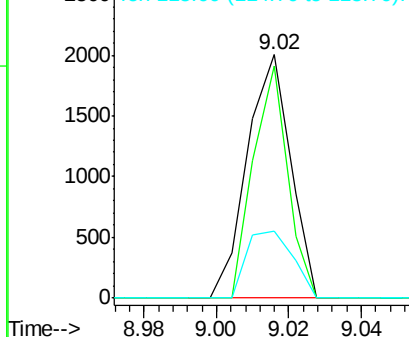


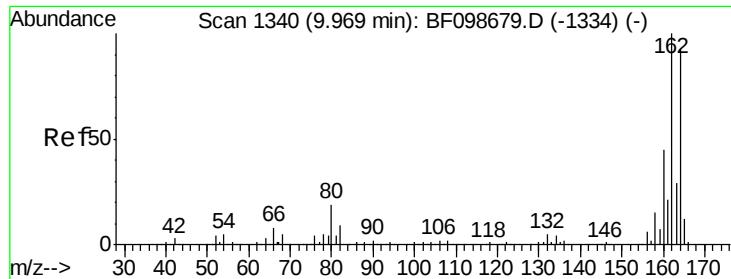
#37
2-Methylnaphthalene
Concen: 0.13 ng
RT: 9.02 min Scan# 1178
Delta R.T. 0.10 min
Lab File: BF098767.D
Acq: 24 Sep 2017 5:30

Tgt Ion:142 Resp: 1665
Ion Ratio Lower Upper
142 100
141 95.1 70.8 106.2
115 27.4 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

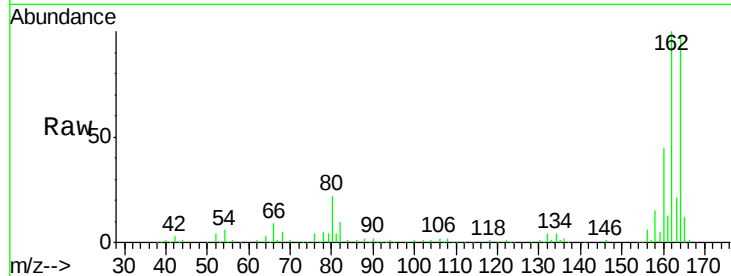




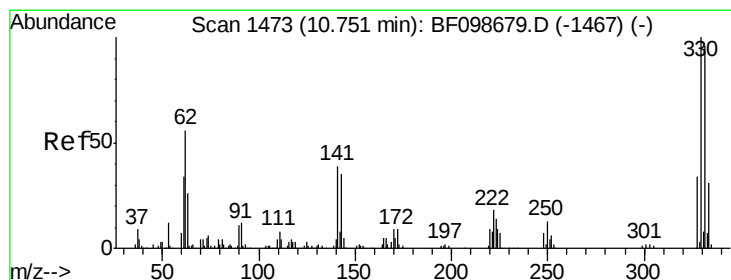
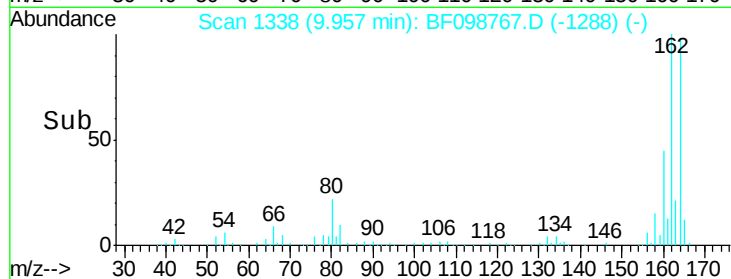
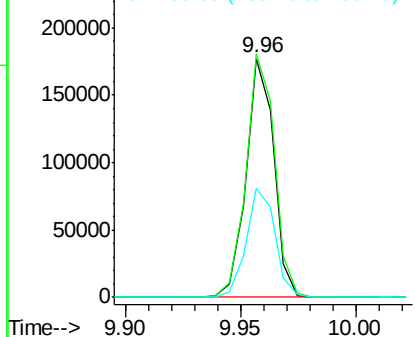
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.96 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: BF098767.D
 Acq: 24 Sep 2017 5:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 149159
 Ion Ratio Lower Upper
 164 100
 162 102.0 86.1 129.1
 160 45.8 38.3 57.5

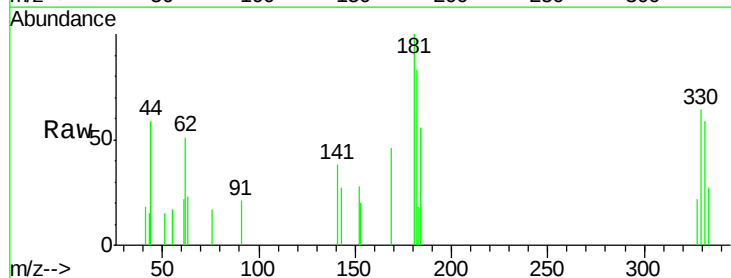


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

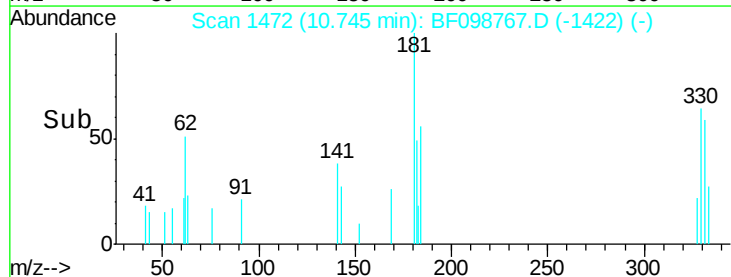
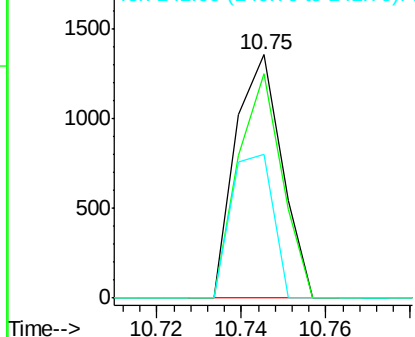


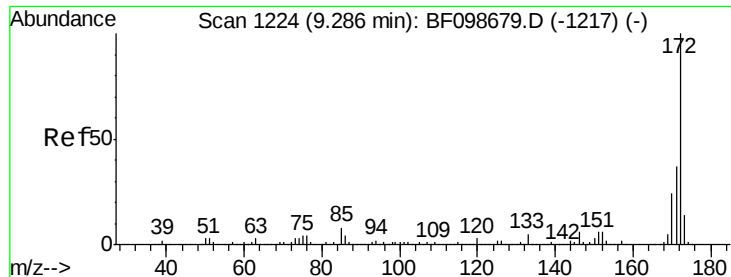
#41
 2,4,6-Tribromophenol
 Concen: 0.84 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: BF098767.D
 Acq: 24 Sep 2017 5:30

Tgt Ion:330 Resp: 1030
 Ion Ratio Lower Upper
 330 100
 332 87.1 77.0 115.6
 141 53.3 29.9 44.9#



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

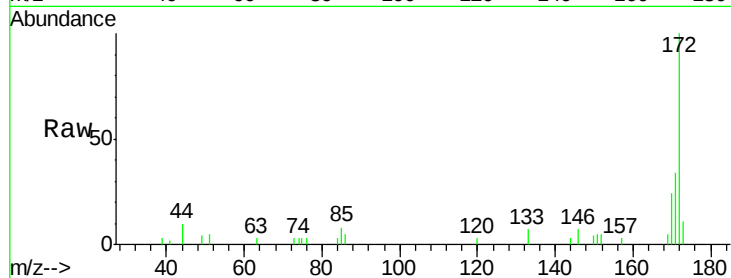




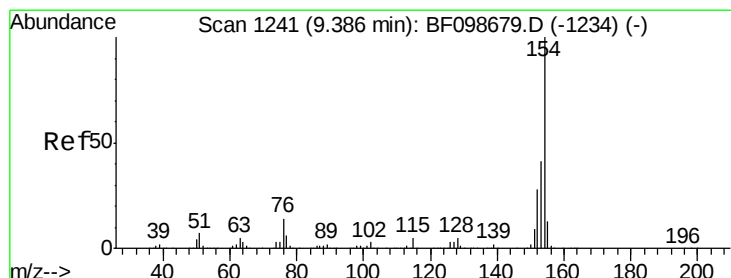
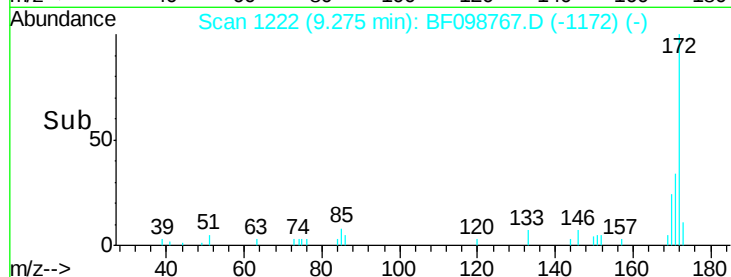
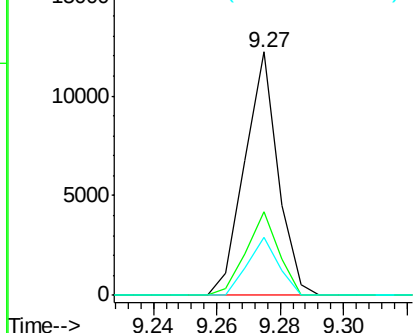
#44
2-Fluorobiphenyl
Concen: 0.99 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF098767.D
Acq: 24 Sep 2017 5:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 8870
Ion Ratio Lower Upper
172 100
171 34.4 29.7 44.5
170 23.8 19.6 29.4

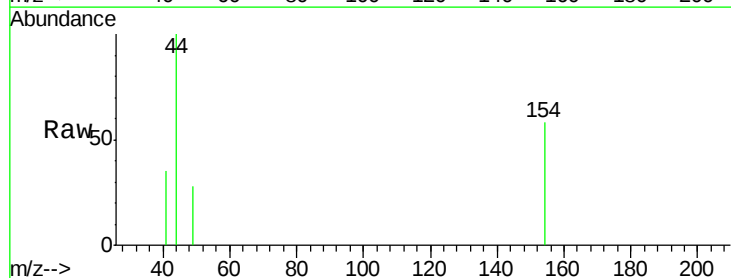


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

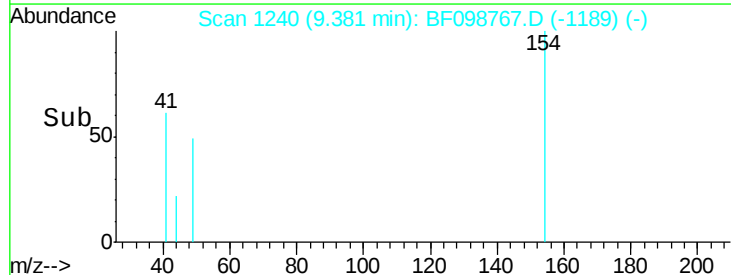
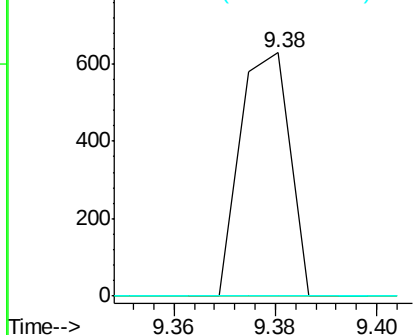


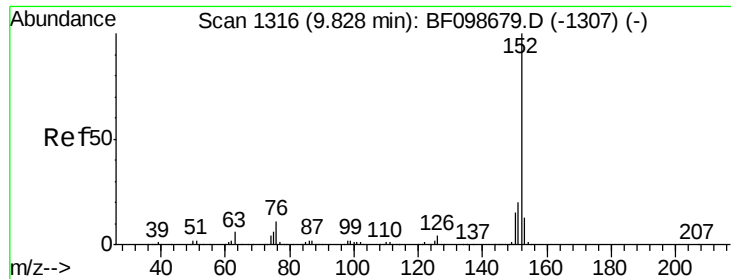
#45
1,1'-Biphenyl
Concen: 0.03 ng
RT: 9.38 min Scan# 1240
Delta R.T. 0.00 min
Lab File: BF098767.D
Acq: 24 Sep 2017 5:30

Tgt Ion:154 Resp: 426
Ion Ratio Lower Upper
154 100
153 0.0 21.3 61.3#
76 0.0 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): BF0





#48

Acenaphthylene

Concen: 0.08 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

Instrument :

BNA_F

ClientSampleId :

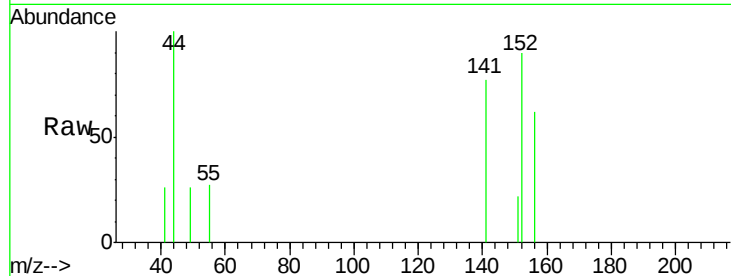
Tot Ion:152 Resp: 1128

Ion Ratio Lower Upper

152 100

151 25.1 16.3 24.5#

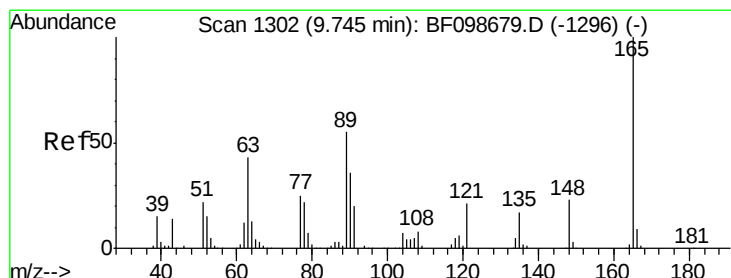
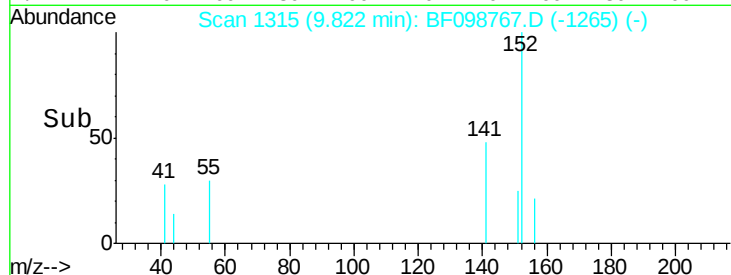
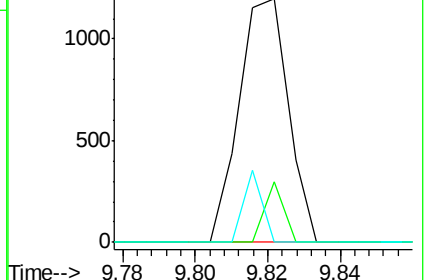
153 0.0 10.7 16.1#



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



#50

2,6-Dinitrotoluene

Concen: 7.84 ng

RT: 9.96 min Scan# 1338

Delta R.T. 0.22 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

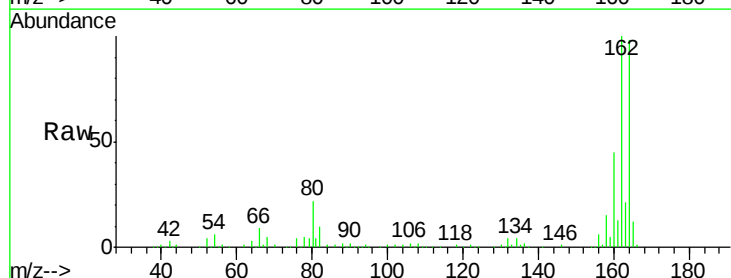
Tgt Ion:165 Resp: 19211

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

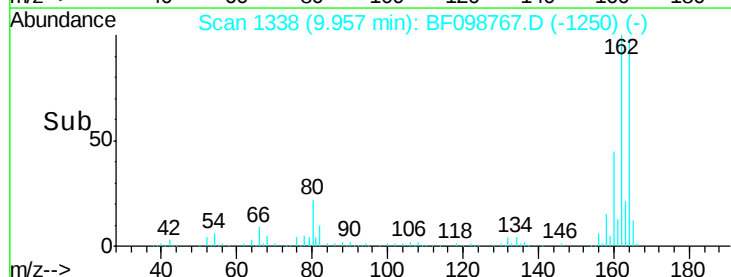
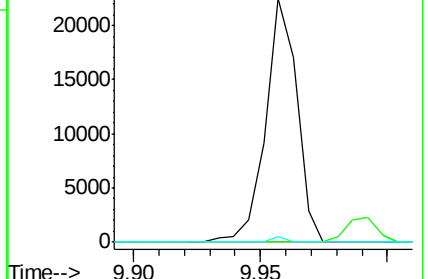
89 2.2 44.0 66.0#

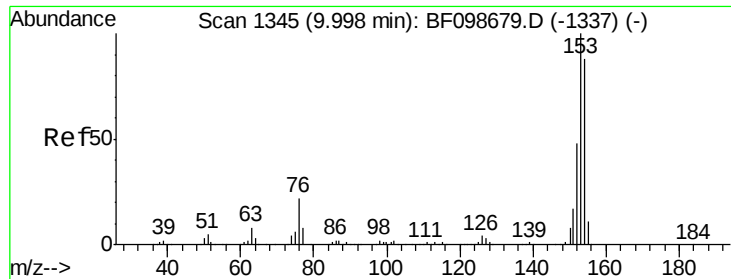


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 2.00 ng

RT: 9.99 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

Instrument :

BNA_F

ClientSampleId :

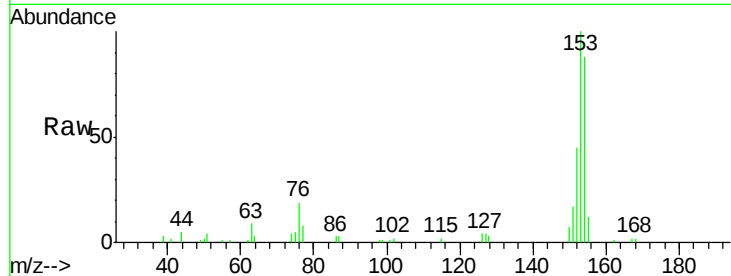
Tot Ion:154 Resp: 18680

Ion Ratio Lower Upper

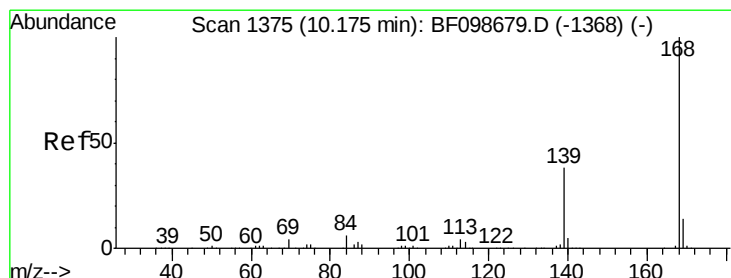
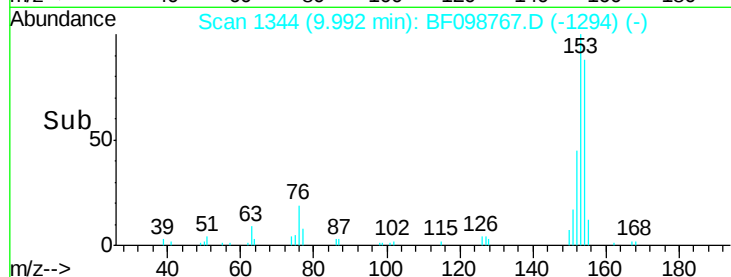
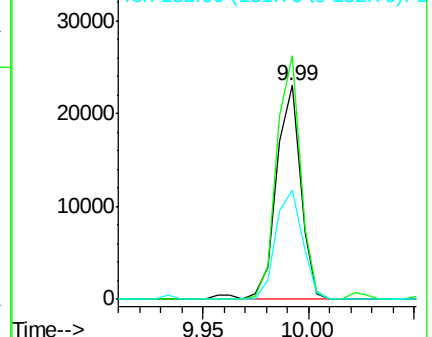
154 100

153 114.0 91.2 136.8

152 51.1 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



#54

Dibenzofuran

Concen: 0.34 ng

RT: 10.16 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

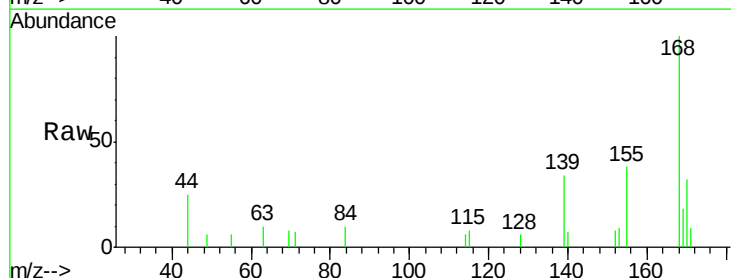
Tgt Ion:168 Resp: 4189

Ion Ratio Lower Upper

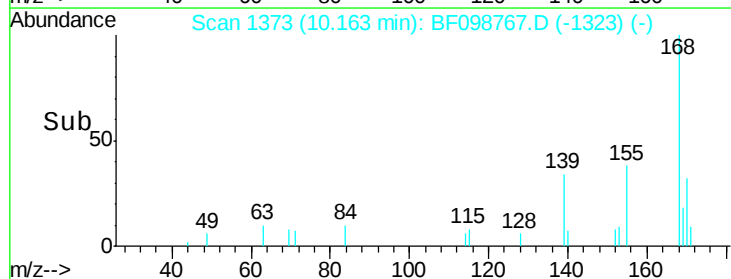
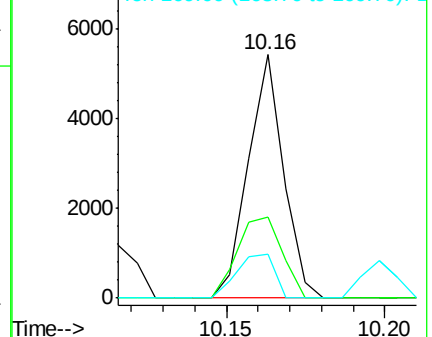
168 100

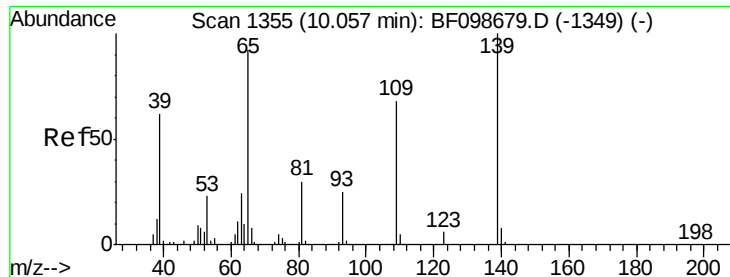
139 33.5 30.1 45.1

169 18.2 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

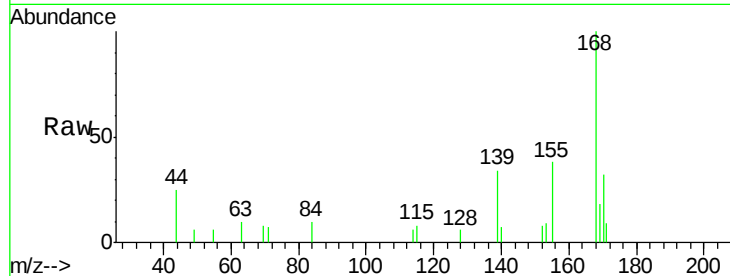




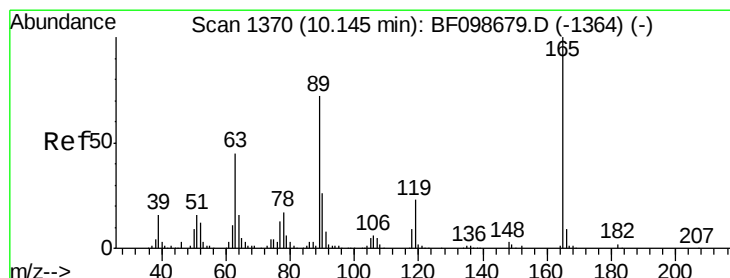
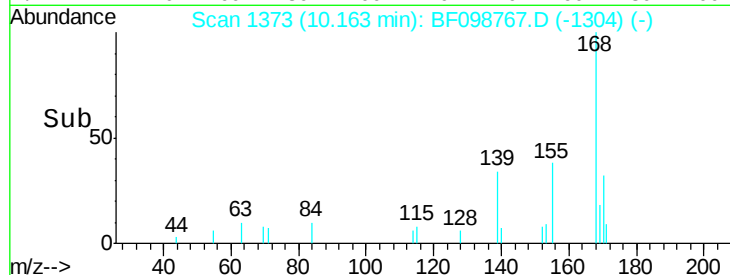
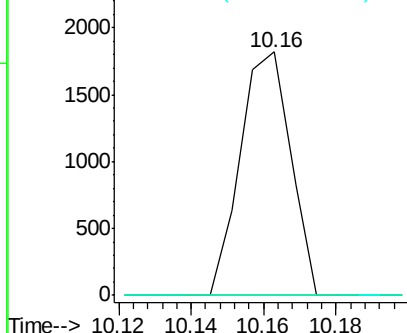
#55
4-Nitrophenol
Concen: 0.73 ng
RT: 10.16 min Scan# 1373
Delta R.T. 0.11 min
Lab File: BF098767.D
Acq: 24 Sep 2017 5:30

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#



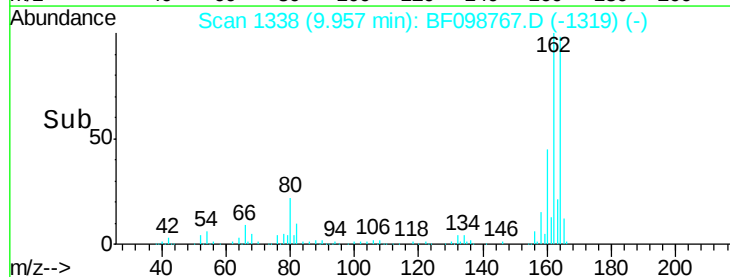
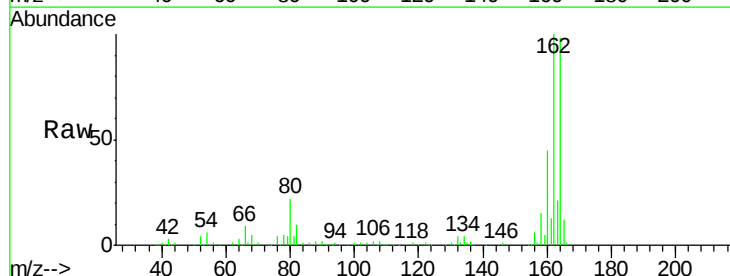
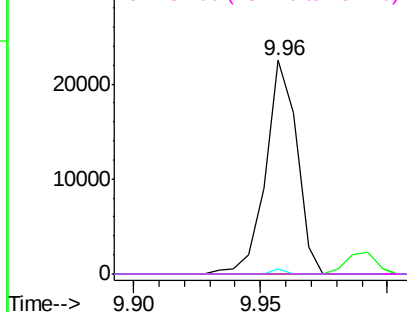
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

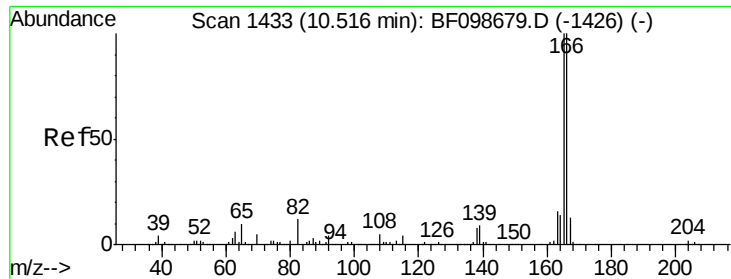


#56
2,4-Dinitrotoluene
Concen: 6.04 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.19 min
Lab File: BF098767.D
Acq: 24 Sep 2017 5:30

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	2.2	57.8	86.6#
182	0.0	1.6	2.4#

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

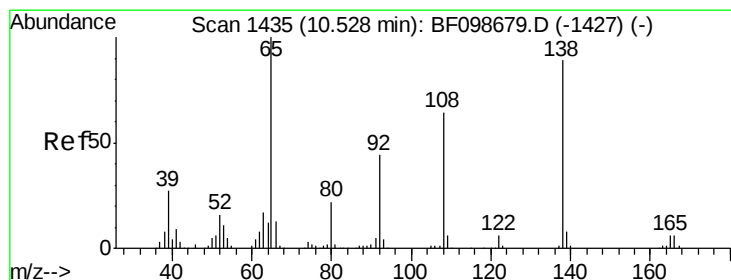
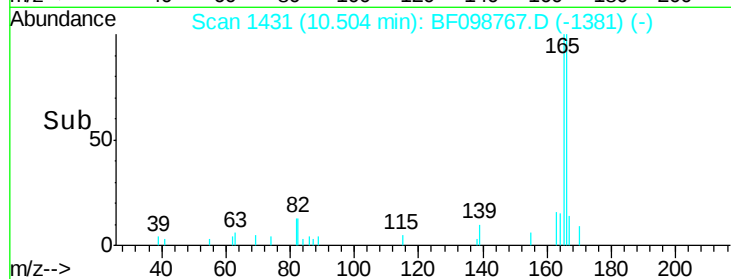
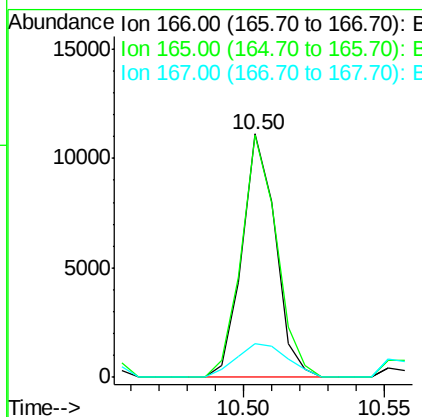
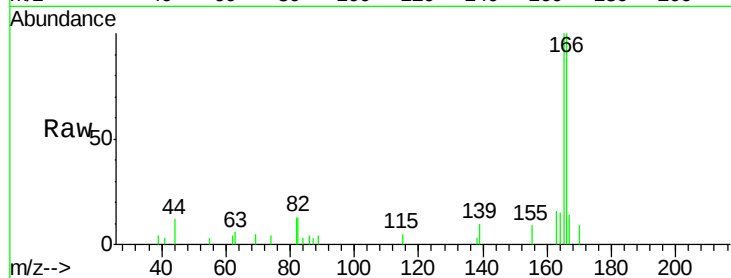




#57
 Fluorene
 Concen: 0.92 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF098767.D
 Acq: 24 Sep 2017 5:30

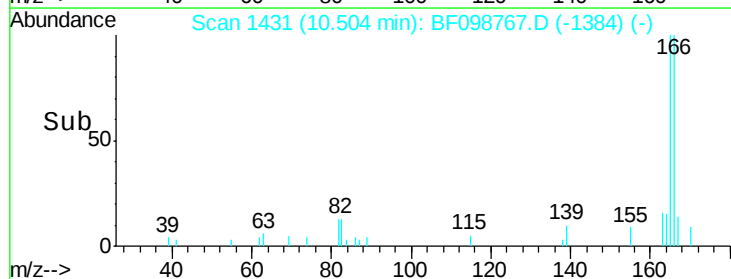
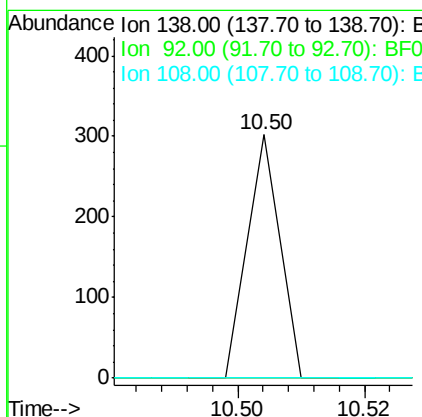
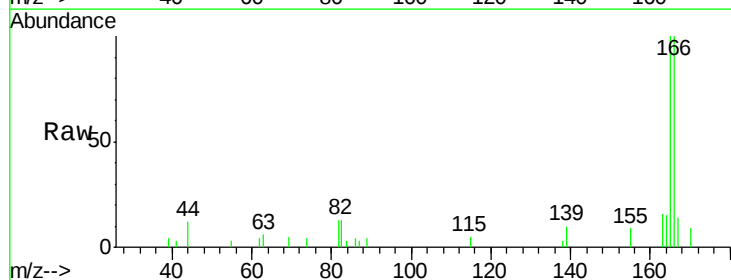
Instrument :
 BNA_F
 ClientSampled :

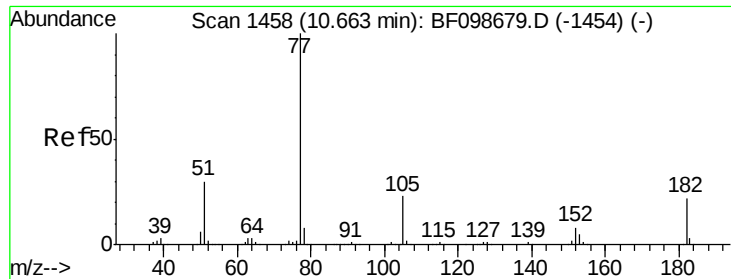
Tot Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.8	119.8
167	13.7	10.6	16.0



#61
 4-Nitroaniline
 Concen: 0.04 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF098767.D
 Acq: 24 Sep 2017 5:30

Tgt Ion	Ratio	Lower	Upper
138	100		
92	0.0	30.2	70.2#
108	0.0	52.5	92.5#





#62

Azobenzene

Concen: 0.01 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.01 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 109

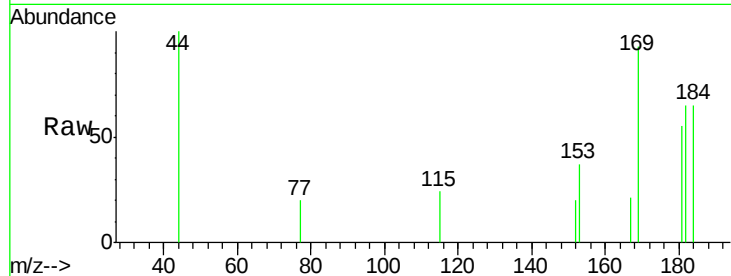
Ion Ratio Lower Upper

77 100

182 330.6 1.7 41.7#

105 0.0 3.0 43.0#

51 0.0 9.9 49.9#

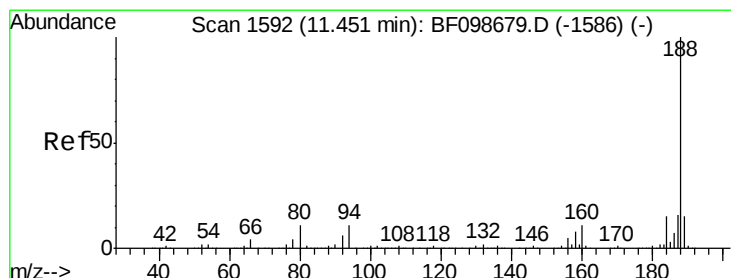
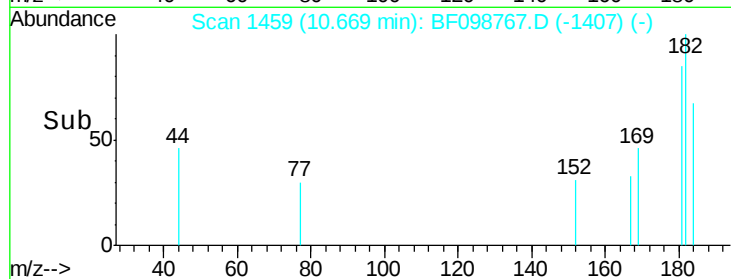
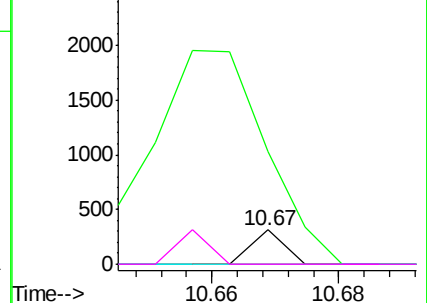


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.45 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

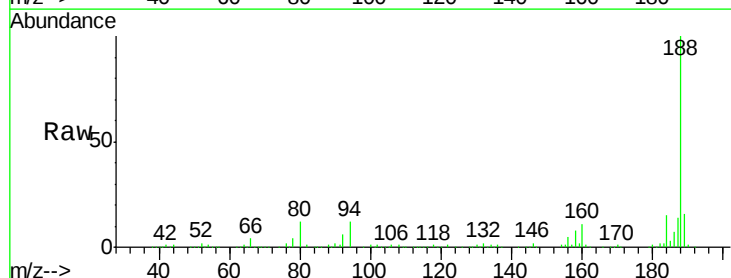
Tgt Ion: 188 Resp: 266865

Ion Ratio Lower Upper

188 100

94 11.5 8.5 12.7

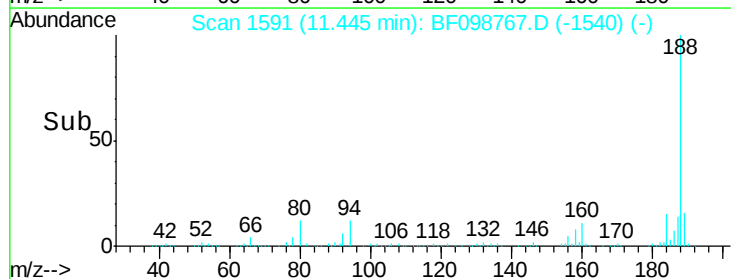
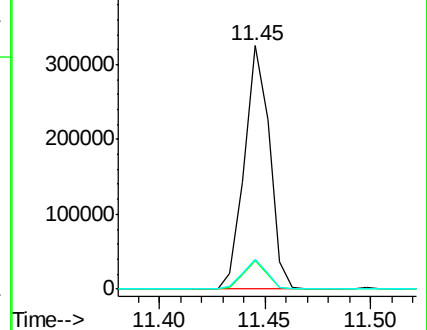
80 12.1 9.2 13.8

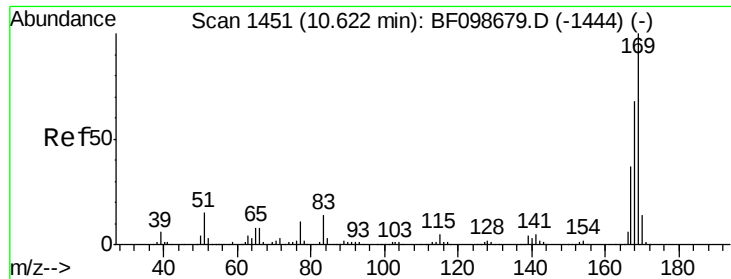


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

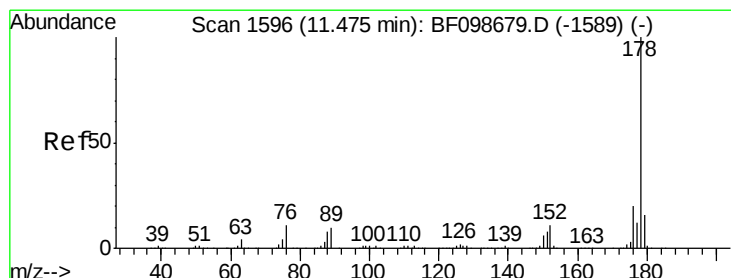
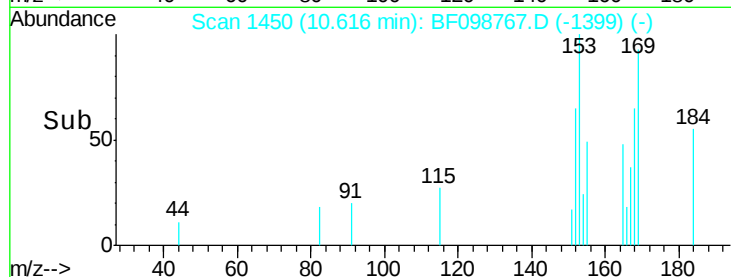
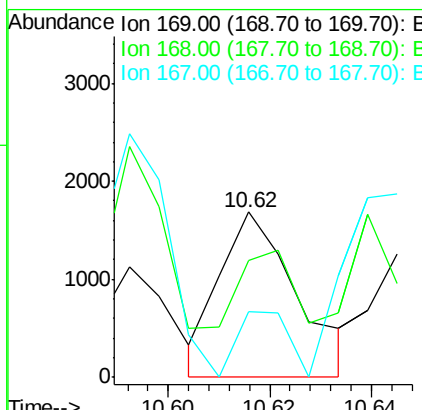
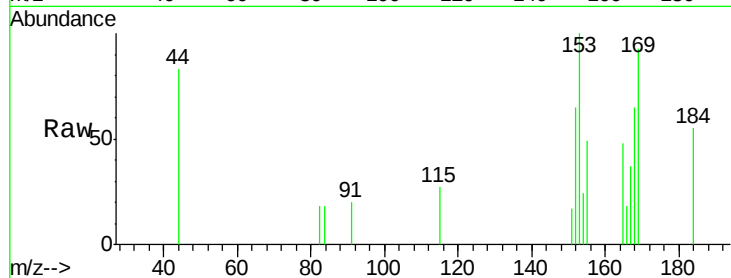




#65
 n-Nitrosodiphenylamine
 Concen: 0.19 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. 0.00 min
 Lab File: BF098767.D
 Acq: 24 Sep 2017 5:30

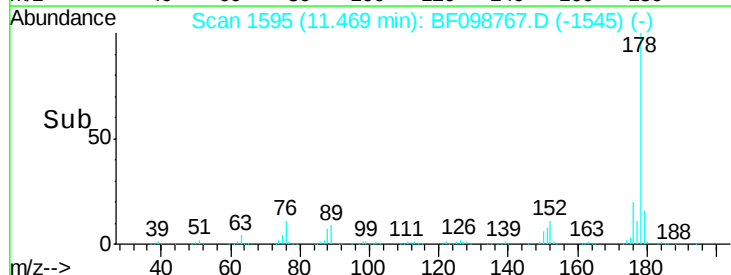
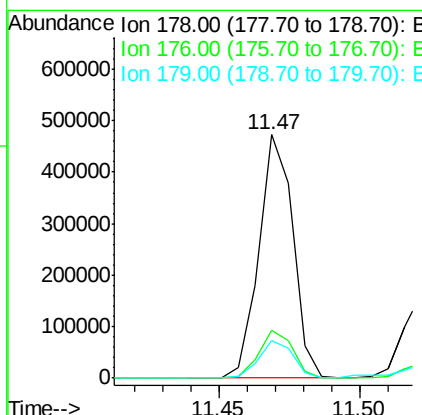
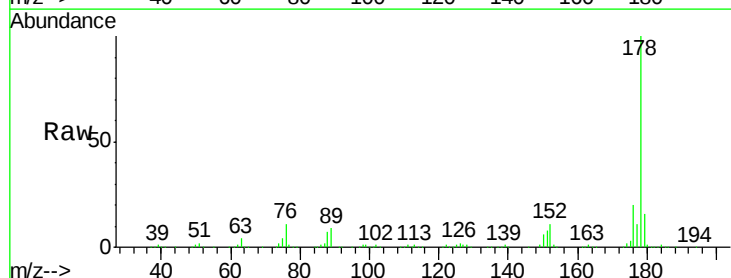
Instrument :
 BNA_F
 ClientSampleId :

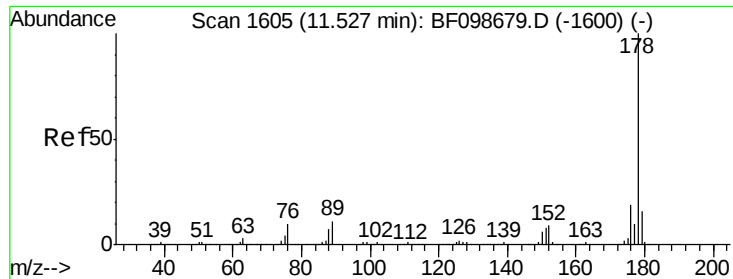
Tot Ion:169 Resp: 1781
 Ion Ratio Lower Upper
 169 100
 168 70.3 54.4 81.6
 167 39.3 29.8 44.6



#70
 Phenanthrene
 Concen: 27.68 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF098767.D
 Acq: 24 Sep 2017 5:30

Tgt Ion:178 Resp: 395346
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.8
 179 15.7 13.0 19.6





#71

Anthracene

Concen: 8.32 ng

RT: 11.52 min Scan# 1604

Delta R.T. -0.01 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

Instrument :

BNA_F

ClientSampleId :

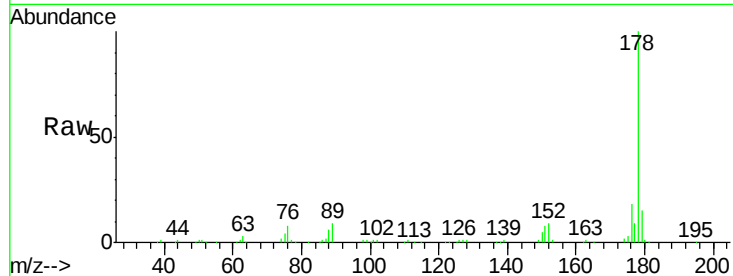
Tot Ion:178 Resp: 121603

Ion Ratio Lower Upper

178 100

176 17.8 15.4 23.2

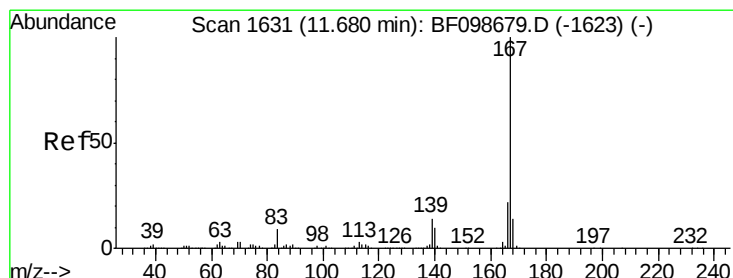
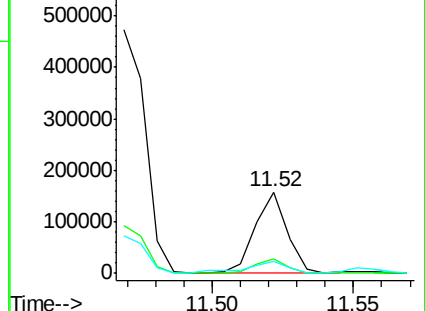
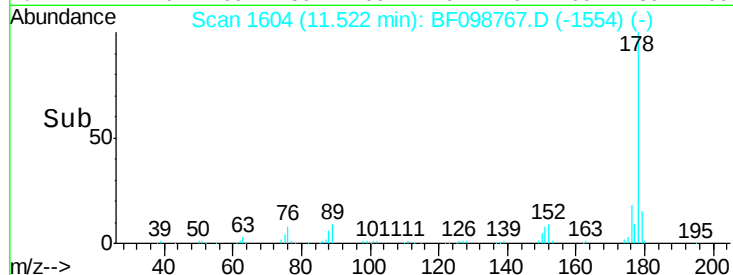
179 14.9 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 2.91 ng

RT: 11.67 min Scan# 1629

Delta R.T. -0.01 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

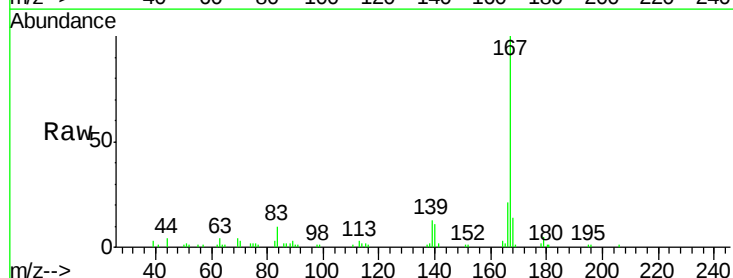
Tgt Ion:167 Resp: 41588

Ion Ratio Lower Upper

167 100

166 21.4 17.6 26.4

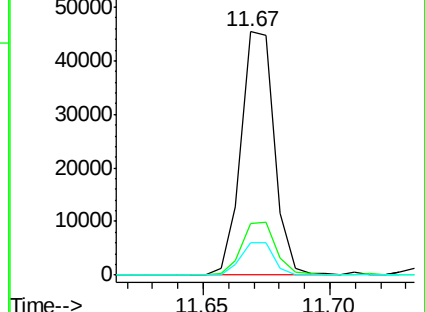
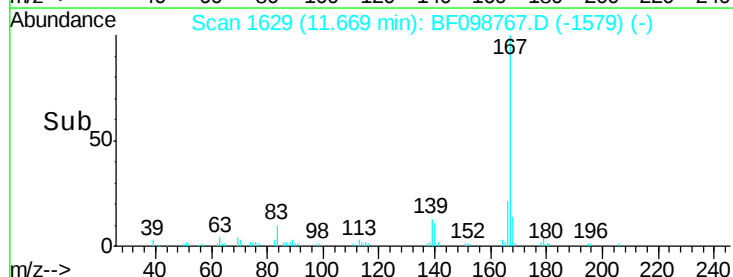
139 13.4 10.9 16.3

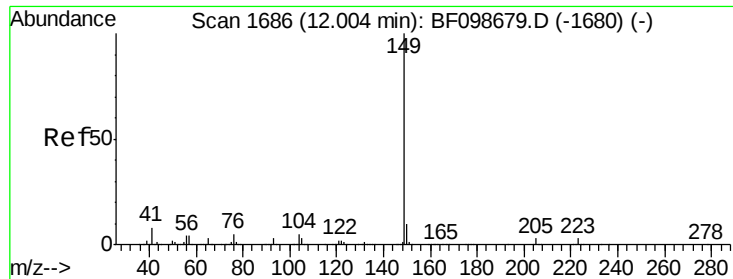


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

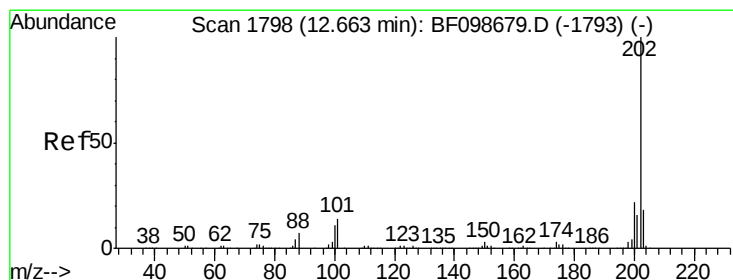
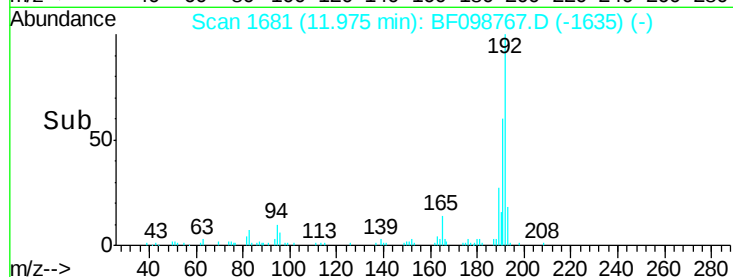
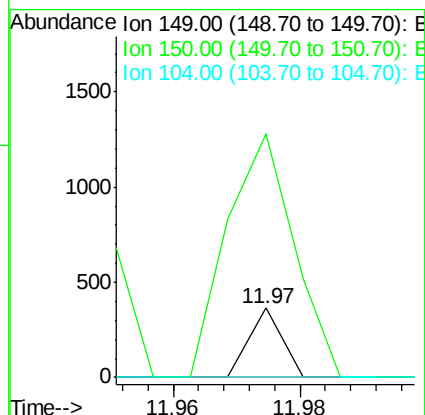
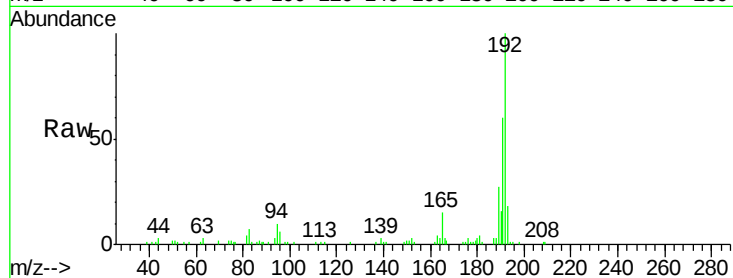




#73
Di-n-butylphthalate
Concen: 0.01 ng
RT: 11.97 min Scan# 1681
Delta R.T. -0.03 min
Lab File: BF098767.D
Acq: 24 Sep 2017 5:30

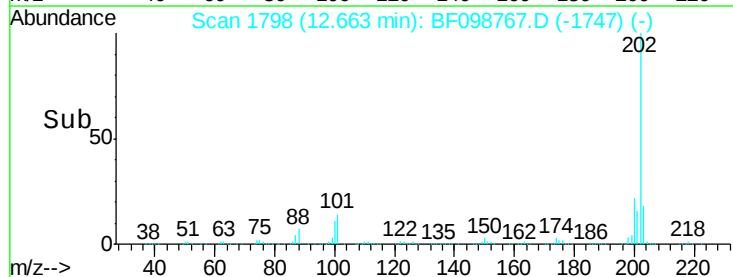
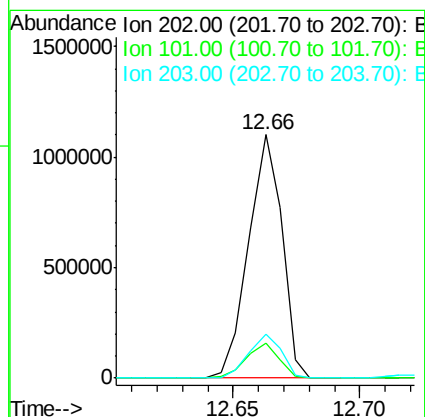
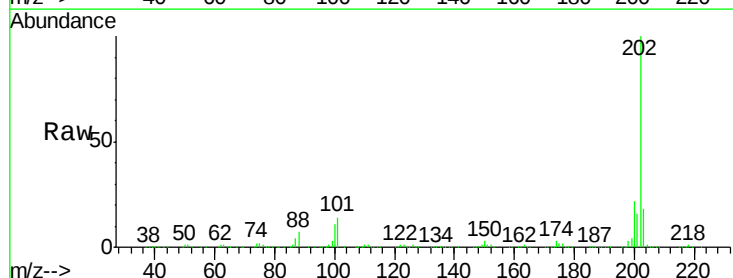
Instrument :
BNA_F
ClientSampleId :

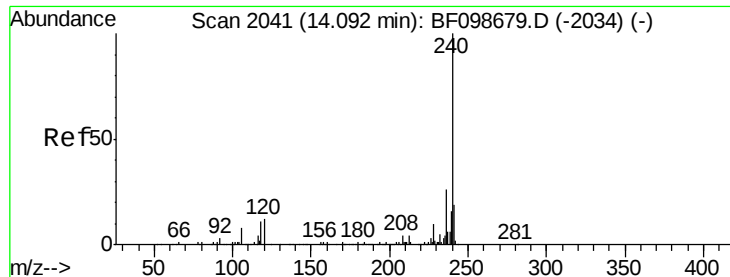
Tot Ion:149 Resp: 128
Ion Ratio Lower Upper
149 100
150 352.3 7.8 11.6#
104 0.0 3.8 5.8#



#74
Fluoranthene
Concen: 69.84 ng
RT: 12.66 min Scan# 1798
Delta R.T. 0.00 min
Lab File: BF098767.D
Acq: 24 Sep 2017 5:30

Tgt Ion:202 Resp: 1010273
Ion Ratio Lower Upper
202 100
101 14.1 0.0 34.1
203 18.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.00 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

Instrument :

BNA_F

ClientSampleId :

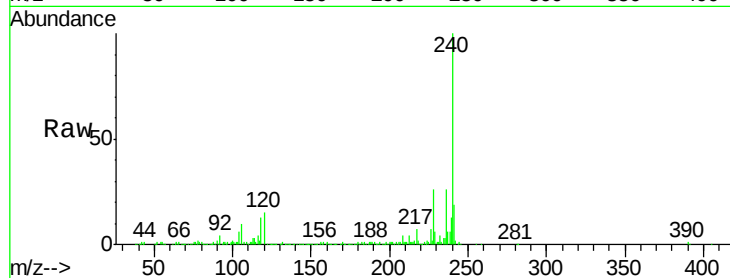
Tot Ion:240 Resp: 264011

Ion Ratio Lower Upper

240 100

120 14.8 9.5 14.3#

236 25.7 20.7 31.1

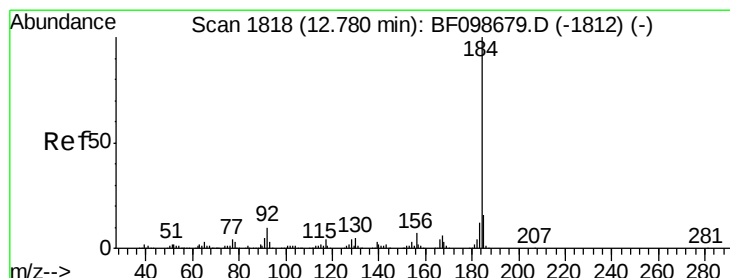
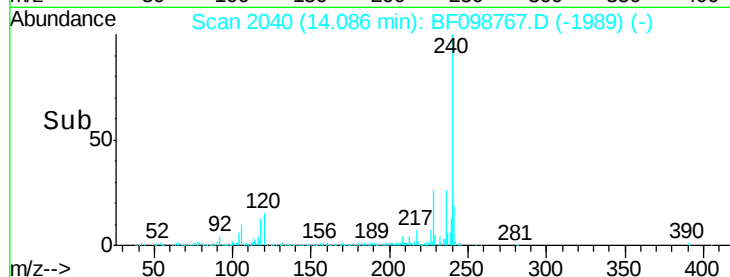
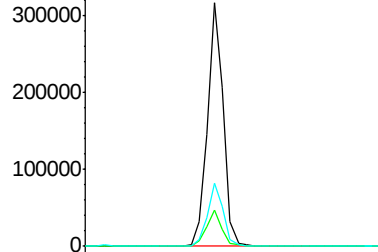


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

14.09



#76

Benzidine

Concen: 0.01 ng

RT: 13.03 min Scan# 1860

Delta R.T. 0.25 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

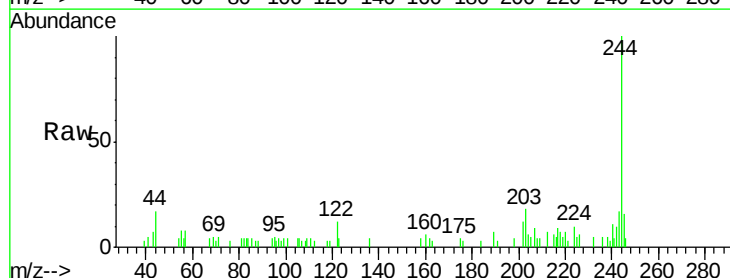
Tgt Ion:184 Resp: 133

Ion Ratio Lower Upper

184 100

185 0.0 12.6 18.8#

183 0.0 9.3 13.9#

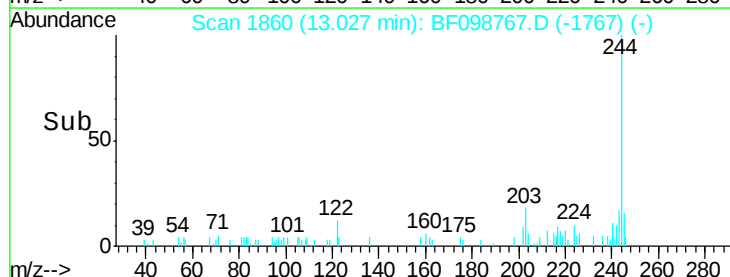
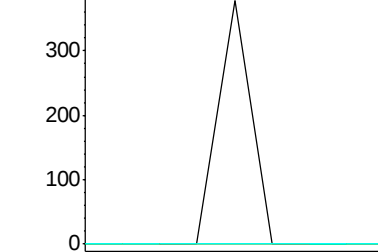


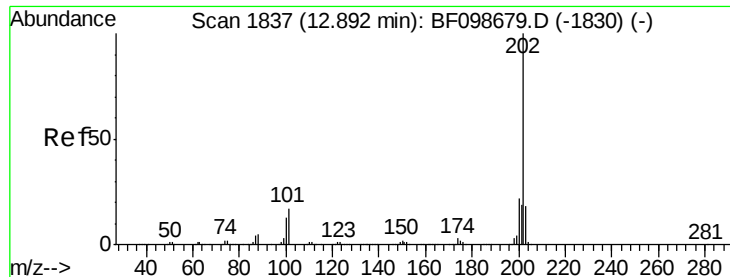
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

13.03





#77

Pvrene

Concen: 43.98 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.00 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

Instrument :

BNA_F

ClientSampleId :

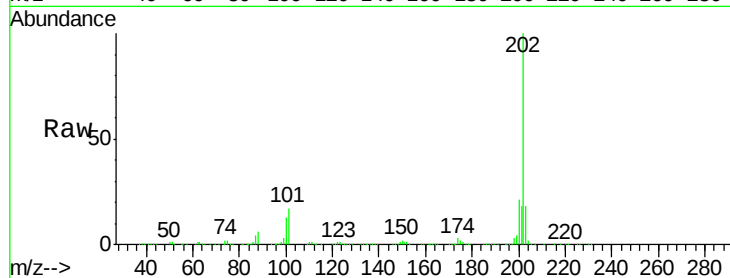
Tot Ion:202 Resp: 885314

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

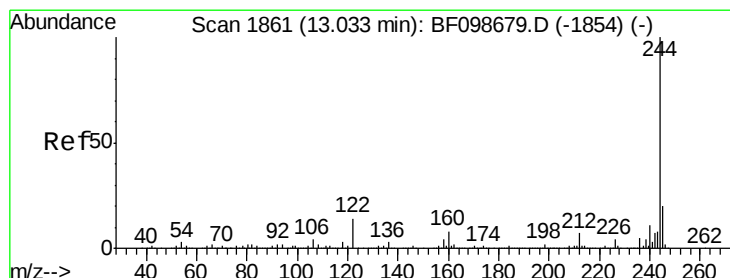
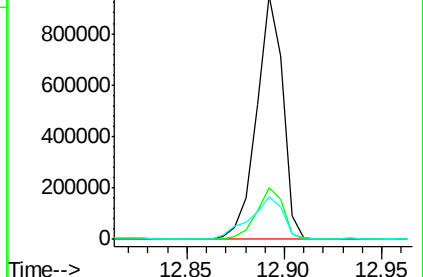
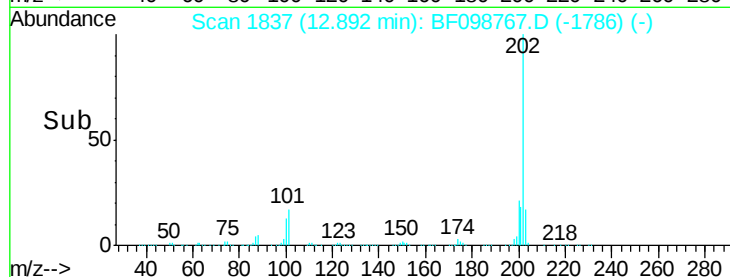
203 17.6 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 0.74 ng

RT: 13.03 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

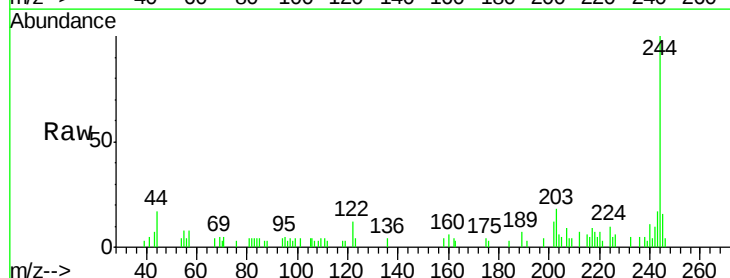
Tgt Ion:244 Resp: 8635

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

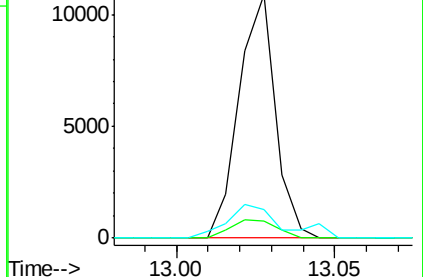
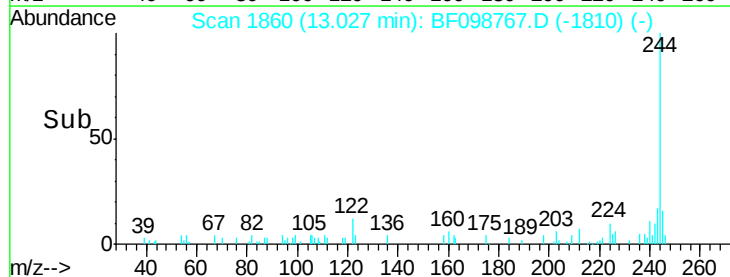
122 11.9 11.0 16.4

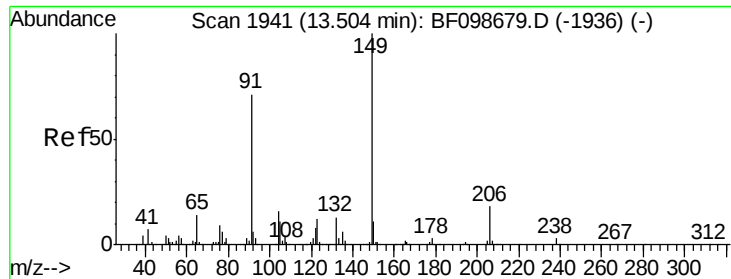


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

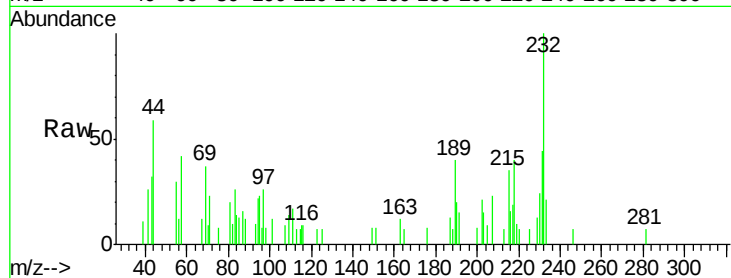




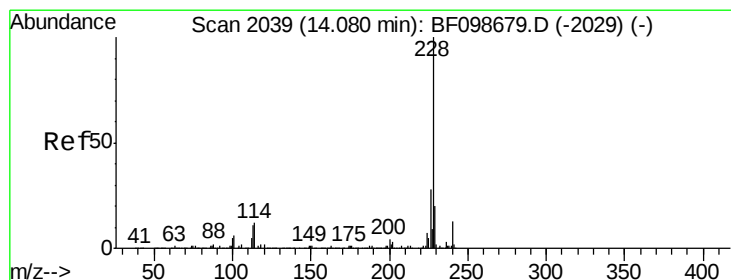
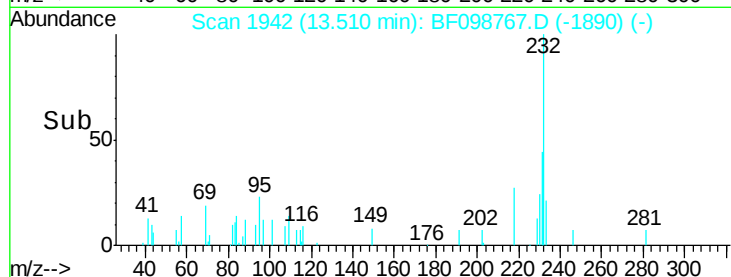
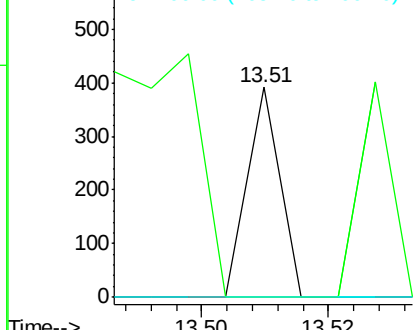
#79
Butylbenzylphthalate
Concen: 0.01 ng
RT: 13.51 min Scan# 1942
Delta R.T. 0.01 min
Lab File: BF098767.D
Acq: 24 Sep 2017 5:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 138
Ion Ratio Lower Upper
149 100
91 0.0 56.8 85.2#
206 0.0 14.1 21.1#

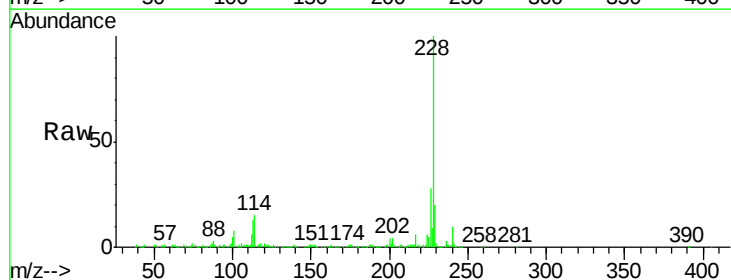


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E

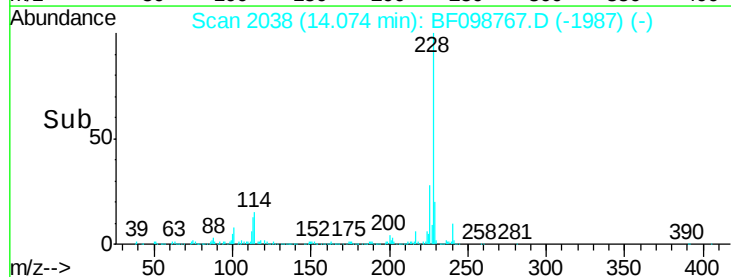
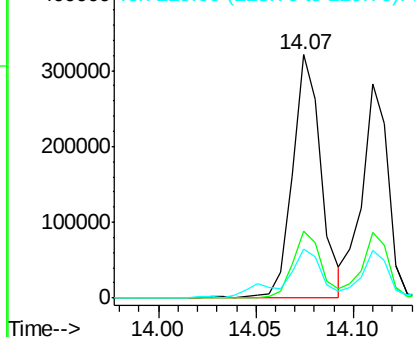


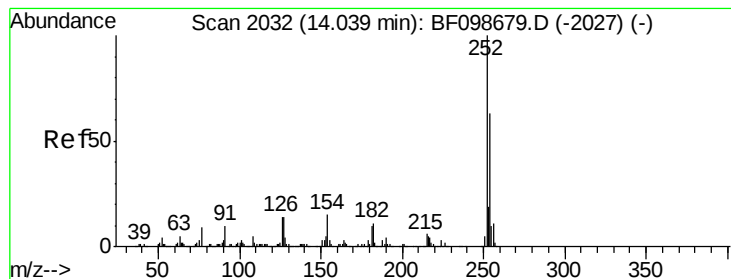
#80
Benzo(a)anthracene
Concen: 20.23 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.00 min
Lab File: BF098767.D
Acq: 24 Sep 2017 5:30

Tgt Ion:228 Resp: 323430
Ion Ratio Lower Upper
228 100
226 27.6 22.6 33.8
229 20.2 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

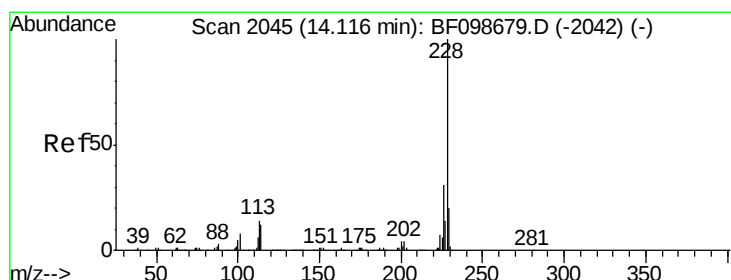
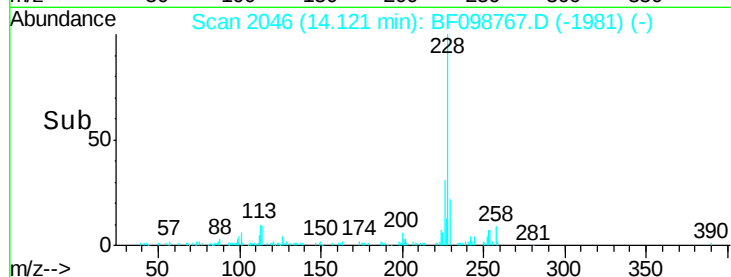
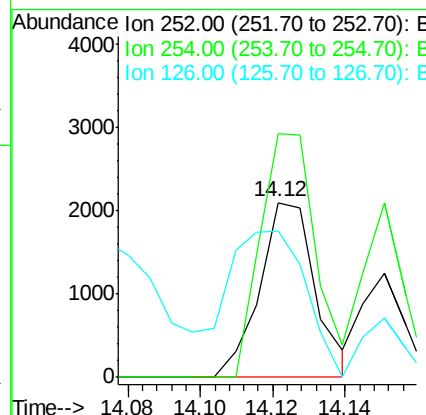
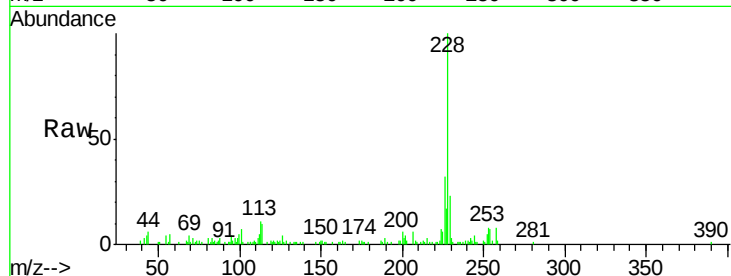




#81
 3,3'-Dichlorobenzidine
 Concen: 0.38 ng
 RT: 14.12 min Scan# 2046
 Delta R.T. 0.08 min
 Lab File: BF098767.D
 Acq: 24 Sep 2017 5:30

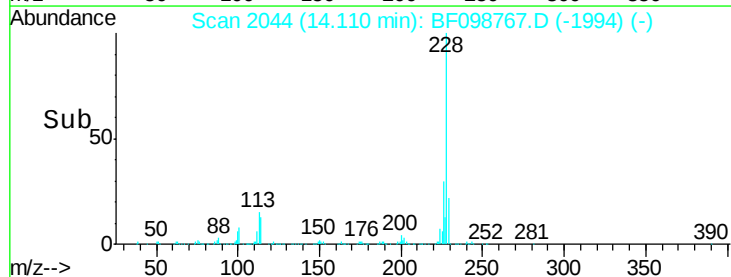
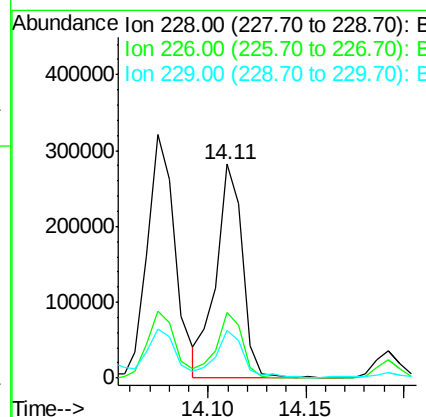
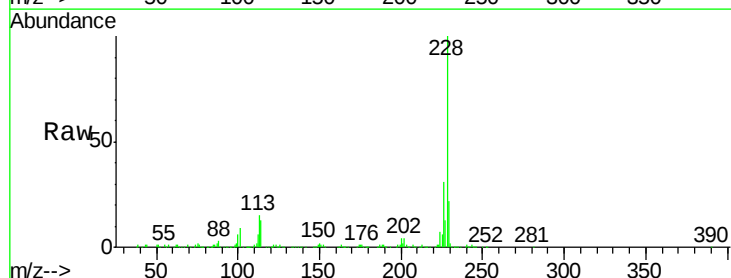
Instrument :
 BNA_F
 ClientSampleId :

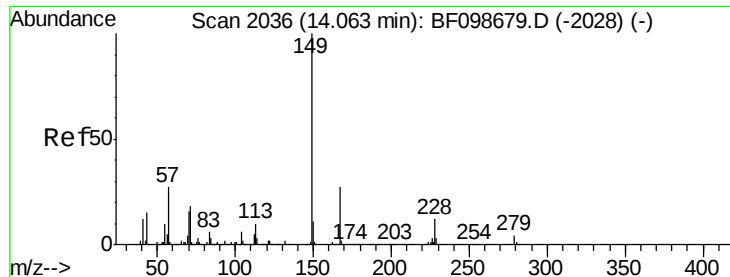
Tot Ion:252 Resp: 2228
 Ion Ratio Lower Upper
 252 100
 254 139.4 50.4 75.6#
 126 83.8 11.3 16.9#



#82
 Chrysene
 Concen: 17.38 ng
 RT: 14.11 min Scan# 2044
 Delta R.T. -0.01 min
 Lab File: BF098767.D
 Acq: 24 Sep 2017 5:30

Tgt Ion:228 Resp: 264535
 Ion Ratio Lower Upper
 228 100
 226 30.7 25.0 37.6
 229 22.2 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.16 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.02 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

Instrument :

BNA_F

ClientSampleId :

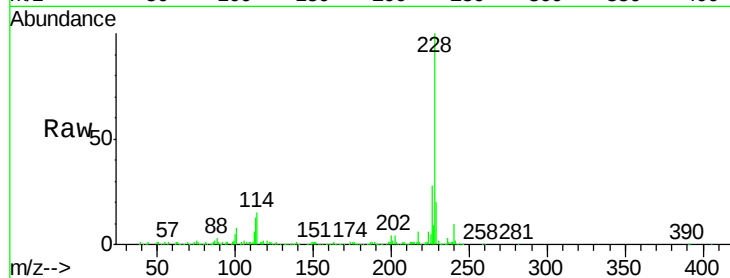
Tot Ion:149 Resp: 2099

Ion Ratio Lower Upper

149 100

167 22.2 21.3 31.9

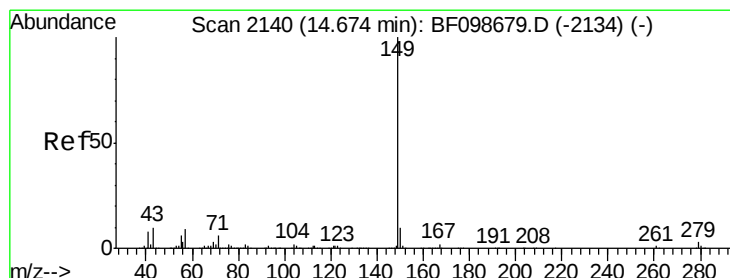
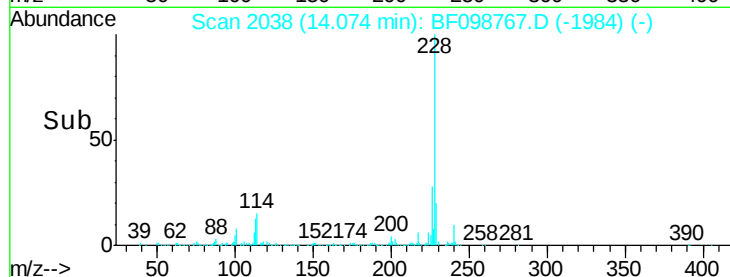
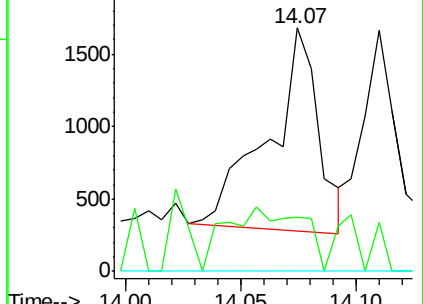
279 0.0 3.0 4.4#



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



#84

Di-n-octyl phthalate

Concen: 0.01 ng

RT: 14.66 min Scan# 2138

Delta R.T. -0.01 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

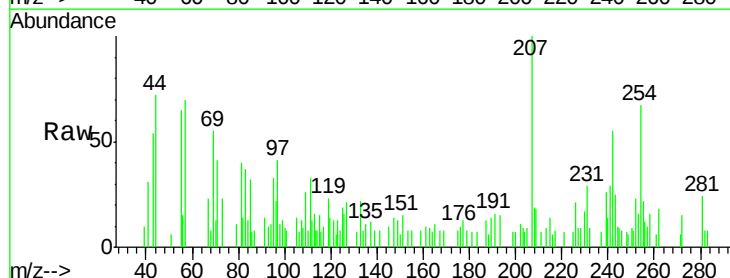
Tgt Ion:149 Resp: 305

Ion Ratio Lower Upper

149 100

167 360.7 1.2 1.8#

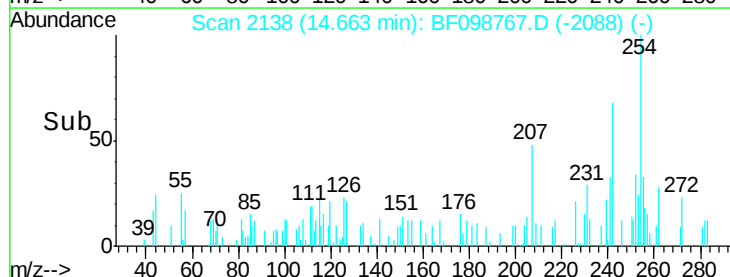
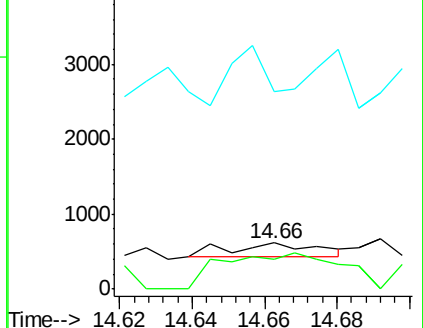
43 233.8 8.4 12.6#

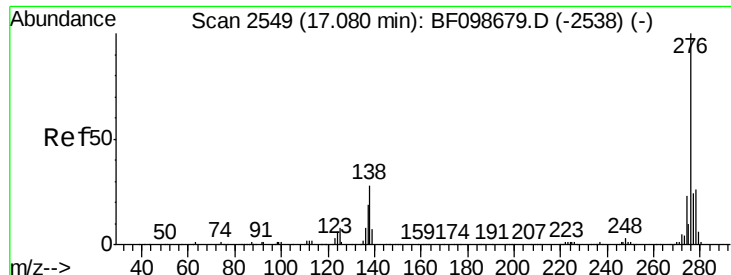


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

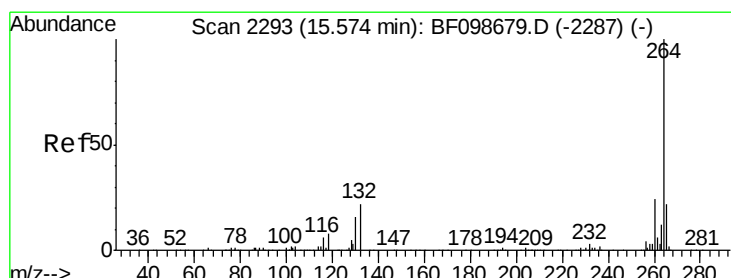
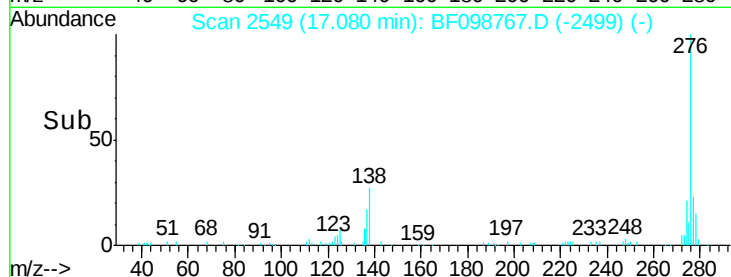
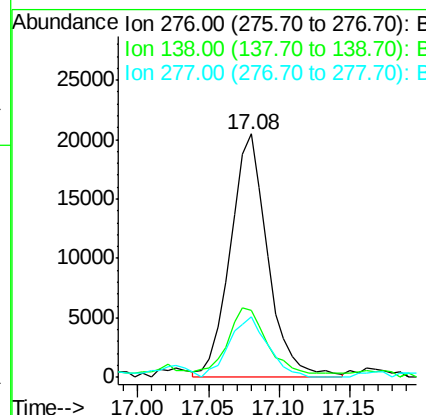
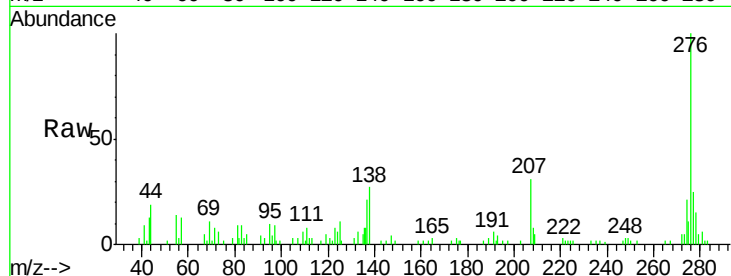




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.11 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF098767.D
Acq: 24 Sep 2017 5:30

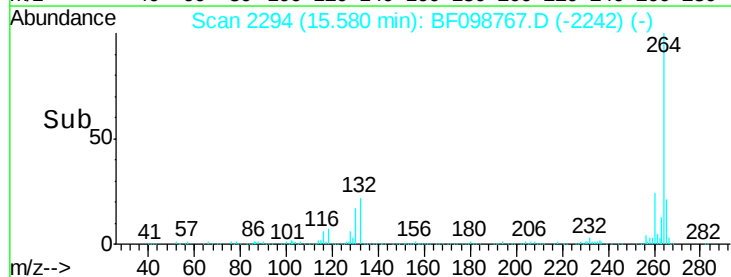
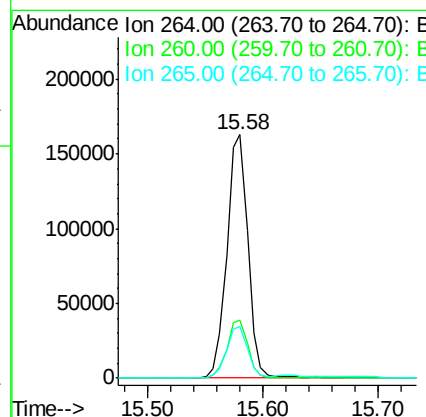
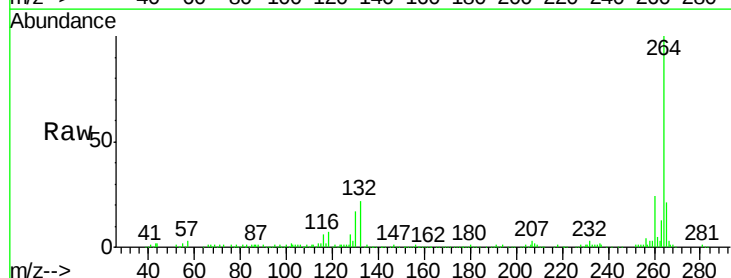
Instrument :
BNA_F
ClientSampled :

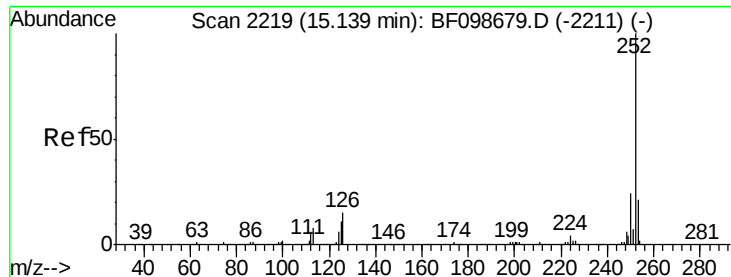
Tot Ion	Ratio	Lower	Upper
276	100		
138	31.8	25.0	37.6
277	25.6	20.1	30.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF098767.D
Acq: 24 Sep 2017 5:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 20.30 ng

RT: 15.14 min Scan# 2219

Delta R.T. 0.00 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

Instrument :

BNA_F

ClientSampleId :

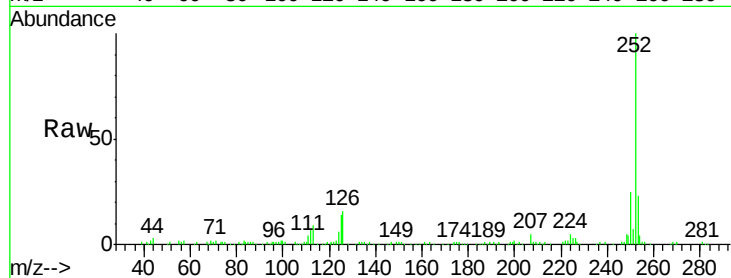
Tot Ion:252 Resp: 256853

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.6

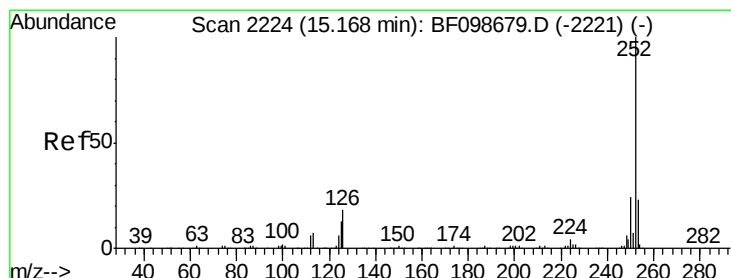
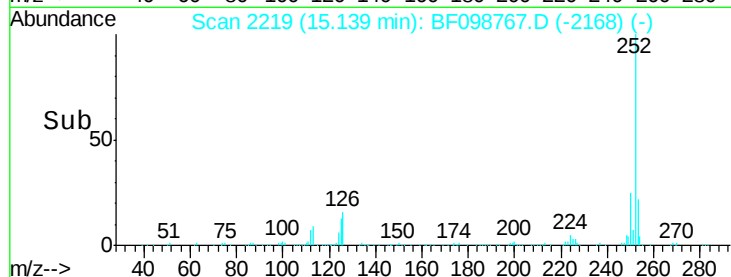
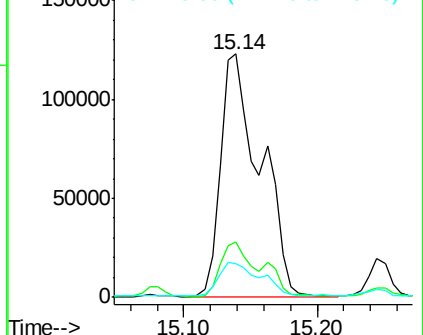
125 14.0 9.0 13.6#



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: 20.56 ng

RT: 15.14 min Scan# 2219

Delta R.T. -0.03 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

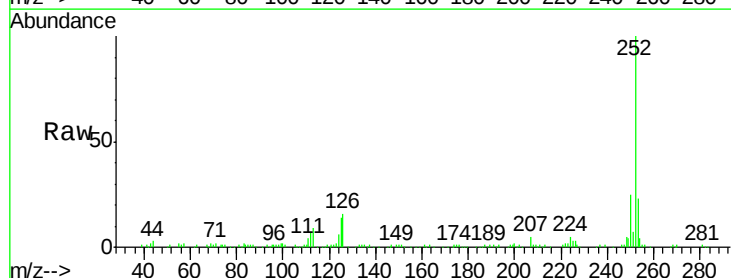
Tgt Ion:252 Resp: 256853

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

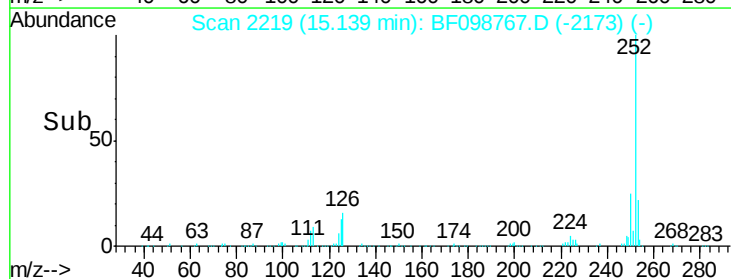
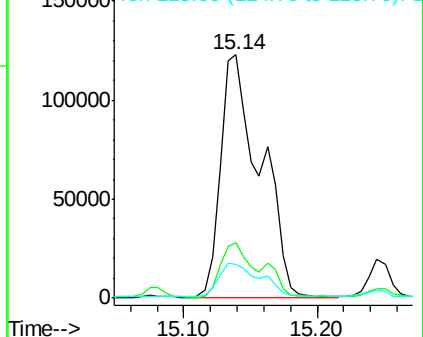
125 14.0 10.2 15.2

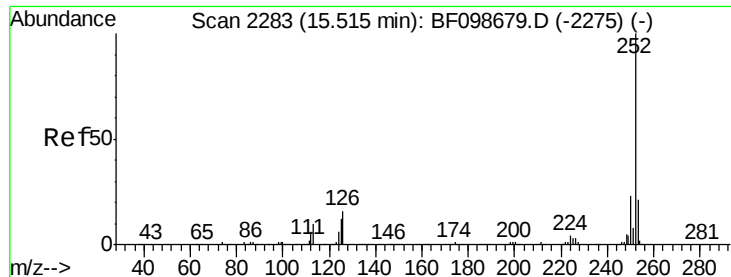


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 9.39 ng

RT: 15.51 min Scan# 2282

Delta R.T. -0.01 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

Instrument :

BNA_F

ClientSampleId :

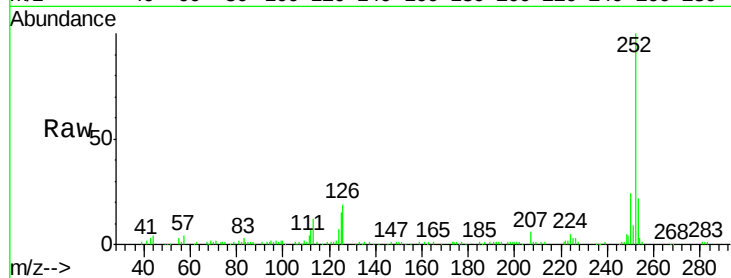
Tot Ion:252 Resp: 109047

Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

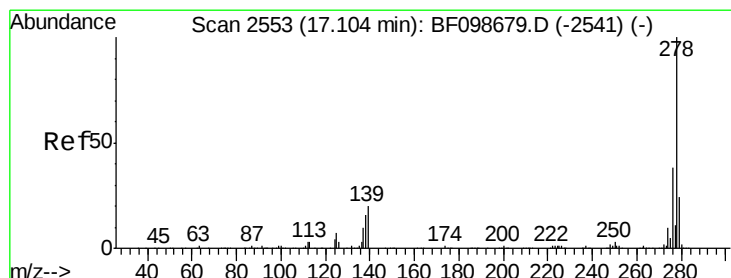
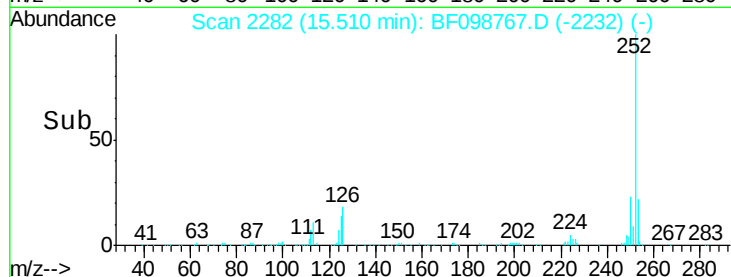
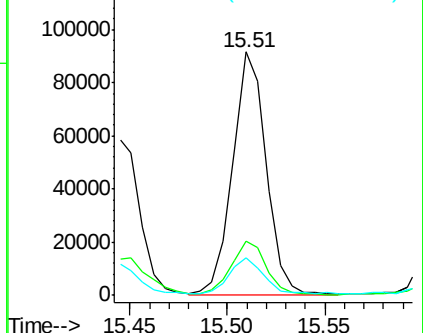
125 15.3 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 1.10 ng

RT: 17.09 min Scan# 2551

Delta R.T. -0.01 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

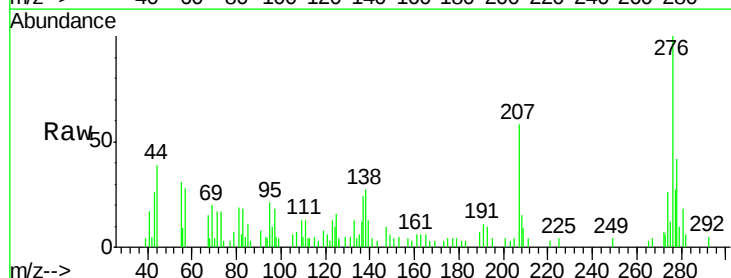
Tgt Ion:278 Resp: 10240

Ion Ratio Lower Upper

278 100

139 30.5 15.9 23.9#

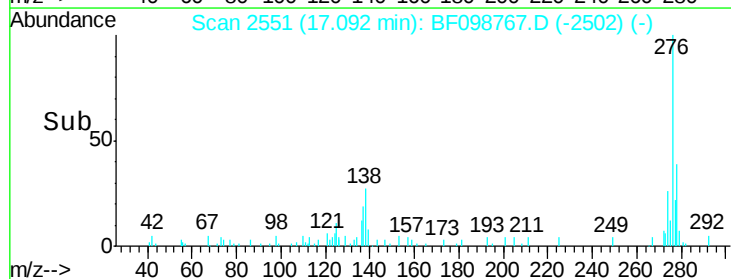
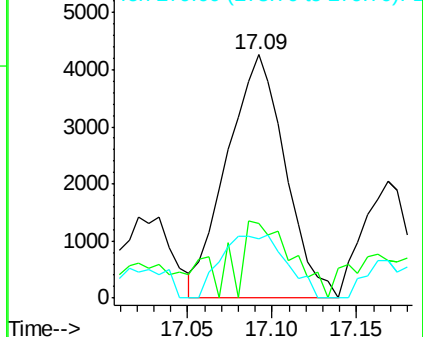
279 24.6 19.0 28.4

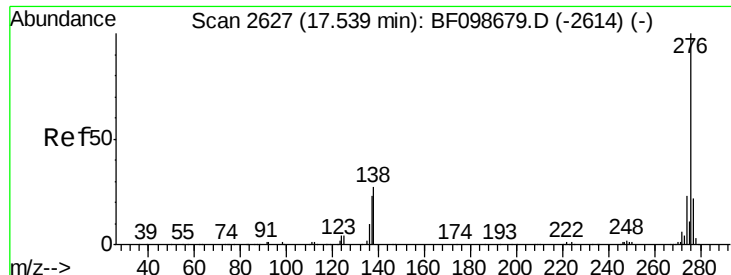


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 3.37 ng

RT: 17.53 min Scan# 2626

Delta R.T. -0.01 min

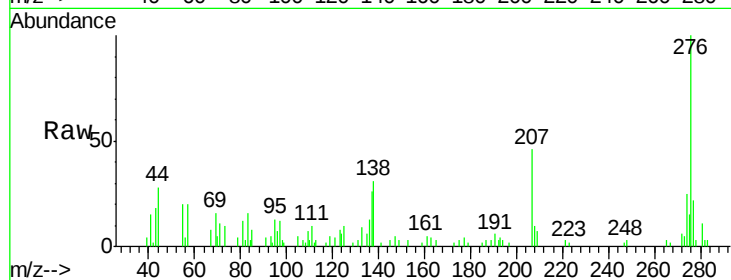
Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

Instrument :

BNA_F

ClientSampleId :



Tot Ion: 276 Resp: 30950

Ion Ratio Lower Upper

276 100

277 21.9 17.9 26.9

138 30.6 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

