

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101918\
 Data File : BF110018.D
 Acq On : 19 Oct 2018 22:18
 Operator : JU/SJ
 Sample : J5590-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 20 00:10:15 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	10659	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	803	20.00	ng	-0.02
39) Acenaphthene-d10	0.00	164	0	0.00	ng	-10.03
64) Phenanthrene-d10	11.50	188	927	20.00	ng	-0.02
76) Chrysene-d12	14.14	240	632	20.00	ng	-0.02
87) Perylene-d12	15.66	264	382	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1317308	1959.01	ng	0.00
7) Phenol-d6	6.59	99	1717139	2056.49	ng	-0.01
23) Nitrobenzene-d5	7.53	82	1073690	90072.16	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	398236	0.00	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	1766714	0.00	ng	-0.01
79) Terphenyl-d14	13.09	244	1581114	52535.18	ng	-0.02
Target Compounds						
4) n-Nitrosodimethylamine	3.62	42	10718	30.857	ng	# 1
6) Aniline	6.60	93	3032	2.695	ng	# 1
9) Benzaldehyde	6.60	77	4188	7.718	ng	# 1
10) Phenol	6.60	94	151398	167.939	ng	# 61
11) bis(2-Chloroethyl)ether	6.74	93	1954	2.592	ng	# 1
15) Benzyl Alcohol	7.12	79	17749	27.630	ng	# 59
19) n-Nitroso-di-n-propylamine	7.53	70	145816	271.981	ng	# 79
22) Acetophenone	7.36	105	1215	65.245	ng	# 54
24) Nitrobenzene	7.53	77	3187	246.109	ng	# 34
25) Isophorone	7.53	82	1069685	45669.691	ng	# 67
28) bis(2-Chloroethoxy)methane	8.26	93	114	7.092	ng	# 1
31) Naphthalene	8.27	128	9222	250.444	ng	# 94
33) 4-Chloroaniline	8.27	127	1183	71.469	ng	# 6
35) Caprolactam	8.66	113	319	82.072	ng	# 1
36) 4-Chloro-3-methylphenol	8.72	107	122	10.567	ng	# 22
37) 2-Methylnaphthalene	8.96	142	7815	327.758	ng	# 94
38) 1-Methylnaphthalene	9.06	142	6475	280.247	ng	# 90
65) 4,6-Dinitro-2-methylphenol	10.80	198	856	220.820	ng	# 1
66) n-Nitrosodiphenylamine	10.67	169	562	18.203	ng	# 26
67) 4-Bromophenyl-phenylether	10.80	248	25436	2531.888	ng	# 1
71) Phenanthrene	11.52	178	17080	355.897	ng	# 97
72) Anthracene	11.52	178	17080	353.998	ng	# 96
73) Carbazole	11.73	167	3200	67.484	ng	# 53
74) Di-n-butylphthalate	12.05	149	22929	433.278	ng	# 94
75) Fluoranthene	12.72	202	32130	670.175	ng	# 97
77) Benzidine	13.09	184	21753	897.707	ng	# 97
78) Pyrene	12.95	202	28660	617.427	ng	# 97
80) Butylbenzylphthalate	13.65	149	745	39.699	ng	# 93
81) Benzo(a)anthracene	14.13	228	11938	320.686	ng	# 93
83) Chrysene	14.17	228	13149	371.086	ng	# 98
84) Bis(2-ethylhexyl)phthalate	14.11	149	9908	401.238	ng	# 100
85) Di-n-octyl phthalate	14.70	149	280	8.043	ng	# 1
86) Indeno(1,2,3-cd)pyrene	17.22	276	5823	204.103	ng	# 93
88) Benzo(b)fluoranthene	15.21	252	18434	837.030	ng	# 84

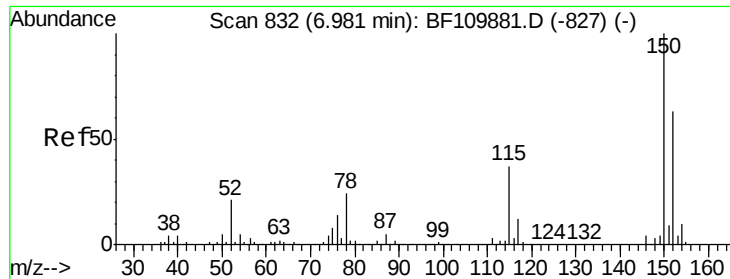
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101918\
Data File : BF110018.D
Acq On : 19 Oct 2018 22:18
Operator : JU/SJ
Sample : J5590-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 20 00:10:15 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 14:58:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(k)fluoranthene	15.21	252	18434	849.210	ng	# 84
90) Benzo(a)pyrene	15.60	252	8721	430.558	ng	# 85
91) Dibenzo(a,h)anthracene	17.23	278	1551	86.404	ng	# 57
92) Benzo(g,h,i)perylene	17.68	276	5358	295.425	ng	# 84

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

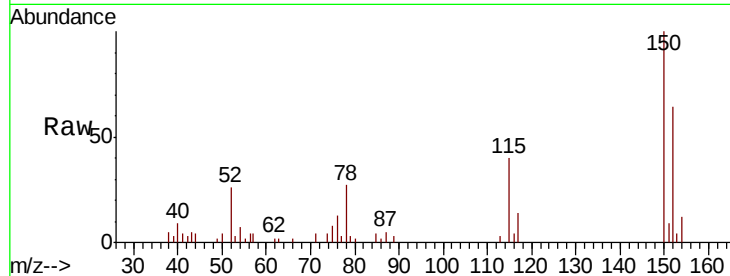


#1

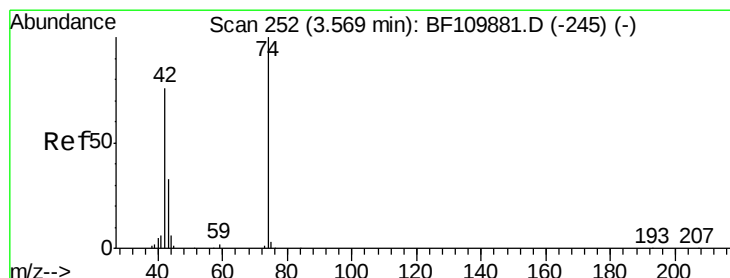
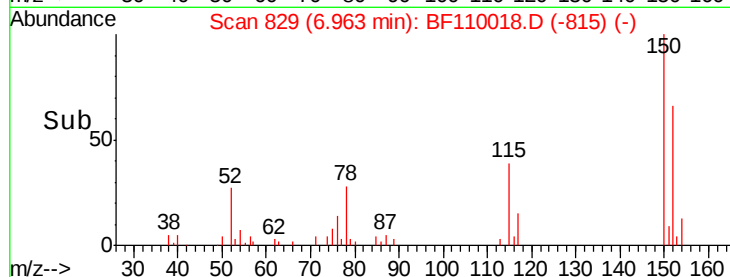
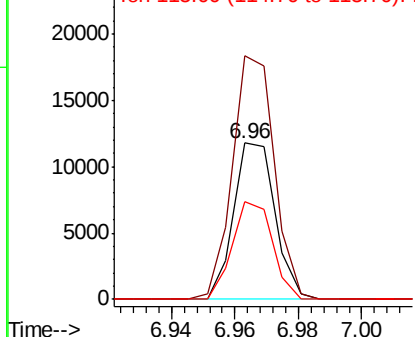
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.02 min
Lab File: BF110018.D
Acq: 19 Oct 2018 22:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 10659
Ion Ratio Lower Upper
152 100
150 155.6 122.7 184.1
115 62.1 49.1 73.7



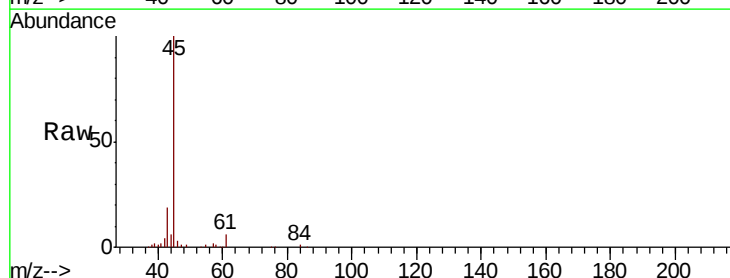
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



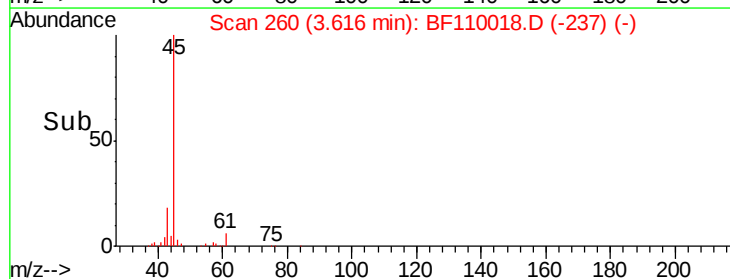
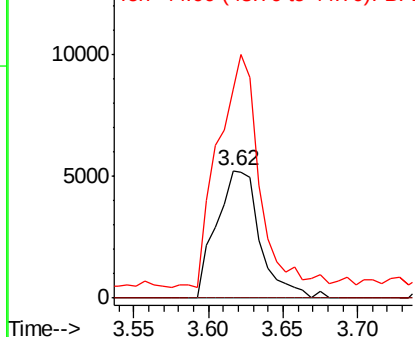
#4

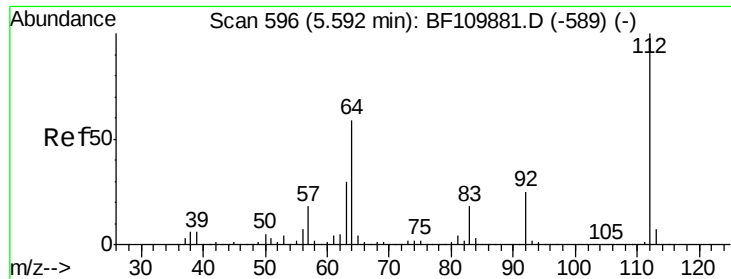
n-Nitrosodimethylamine
Concen: 30.857 ng
RT: 3.62 min Scan# 260
Delta R.T. 0.04 min
Lab File: BF110018.D
Acq: 19 Oct 2018 22:18

Tgt Ion: 42 Resp: 10718
Ion Ratio Lower Upper
42 100
74 0.0 105.5 158.3#
44 164.3 4.9 7.3#



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 1959.012 ng

RT: 5.60 min Scan# 597

Delta R.T. -0.00 min

Lab File: BF110018.D

Acq: 19 Oct 2018 22:18

Instrument :

BNA_F

ClientSampleId :

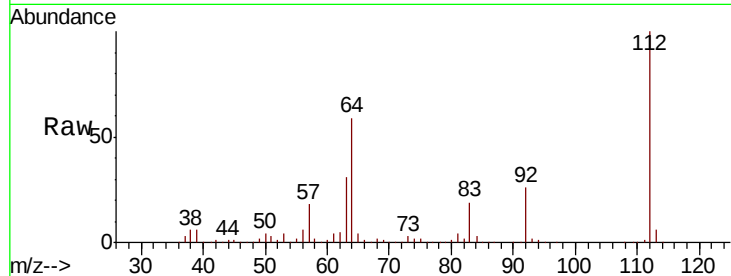
Tot Ion:112 Resp: 1317308

Ion Ratio Lower Upper

112 100

64 59.1 44.1 66.1

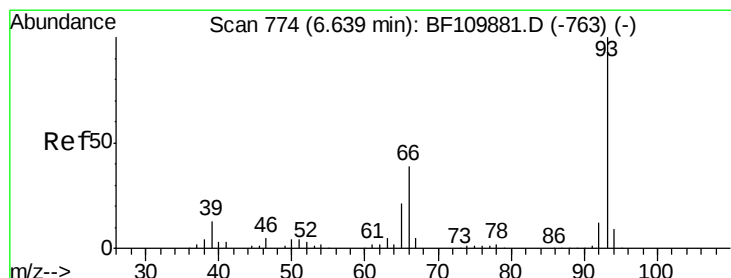
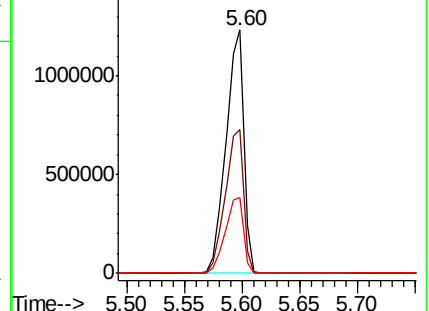
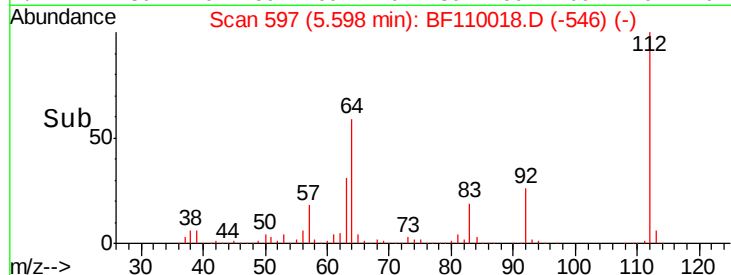
63 31.3 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 2.695 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.04 min

Lab File: BF110018.D

Acq: 19 Oct 2018 22:18

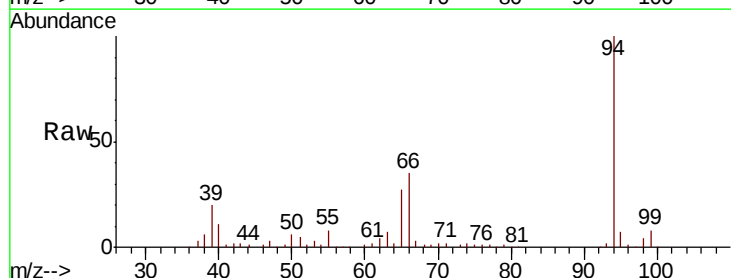
Tgt Ion: 93 Resp: 3032

Ion Ratio Lower Upper

93 100

66 1713.7 67.4 101.0#

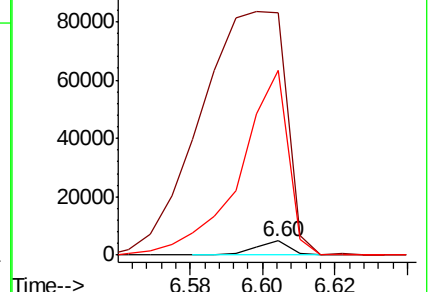
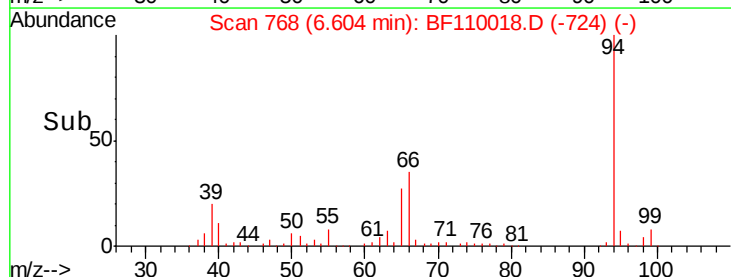
65 1300.6 41.0 61.4#

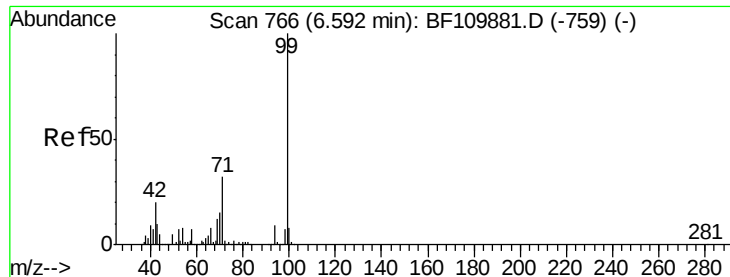


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 2056.486 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110018.D

Acq: 19 Oct 2018 22:18

Instrument :

BNA_F

ClientSampleId :

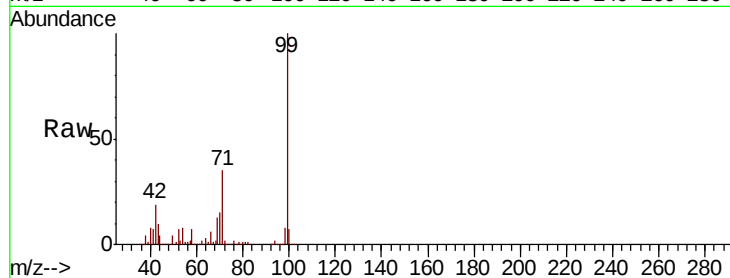
Tot Ion: 99 Resp: 1717139

Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.8	23.6
71	34.8	28.0	42.0

99 100

42 19.2 15.8 23.6

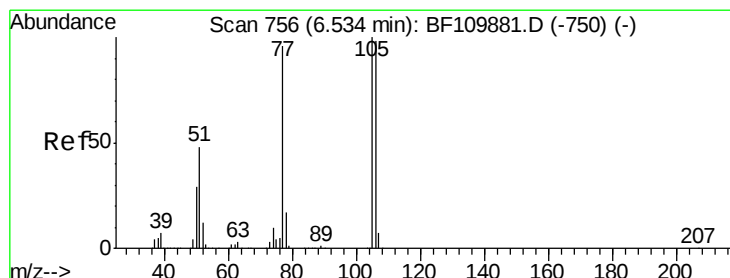
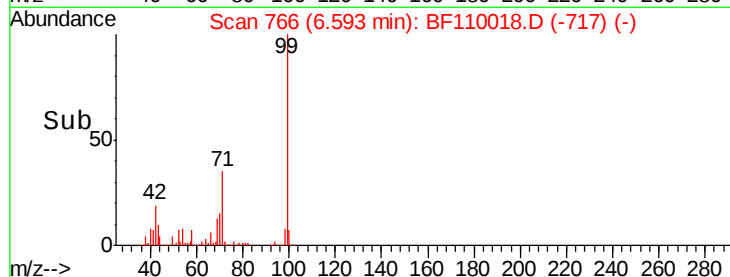
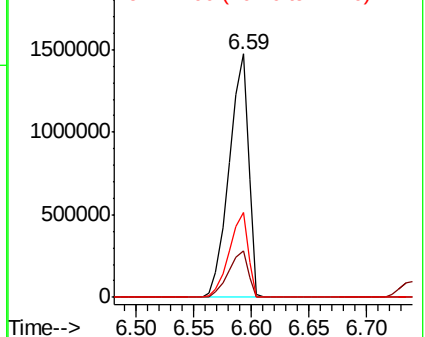
71 34.8 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 7.718 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.06 min

Lab File: BF110018.D

Acq: 19 Oct 2018 22:18

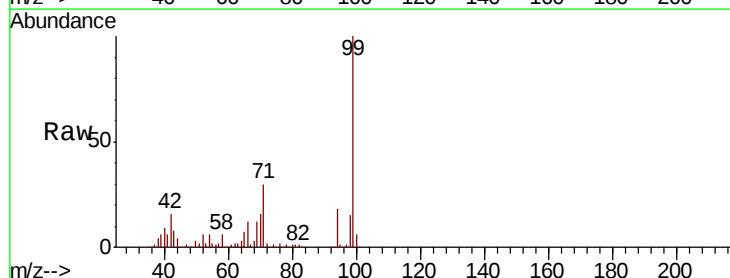
Tgt Ion: 77 Resp: 4188

Ion	Ratio	Lower	Upper
77	100		
105	0.0	78.6	118.6#
106	0.0	74.8	114.8#

77 100

105 0.0 78.6 118.6#

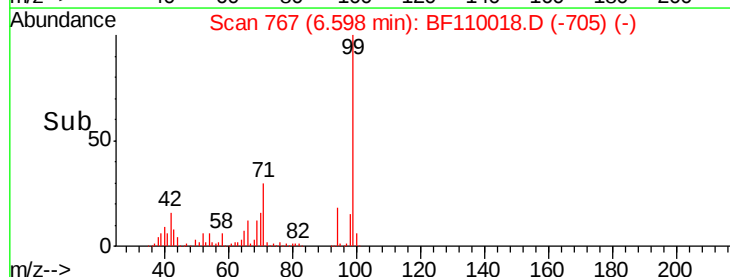
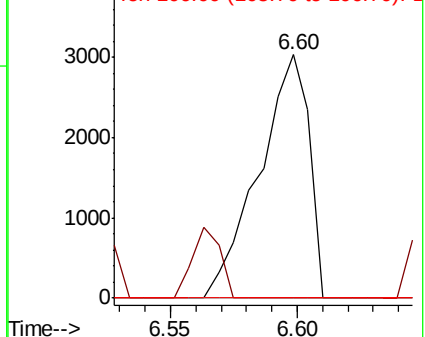
106 0.0 74.8 114.8#

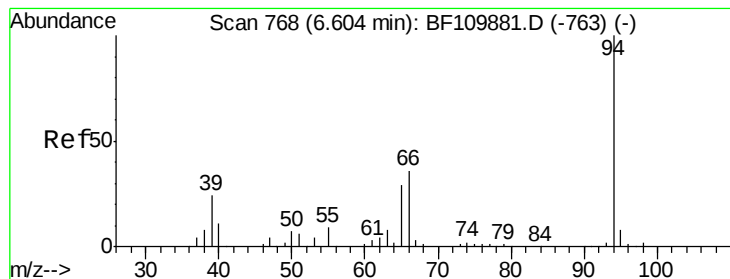


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 167.939 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF110018.D

Acq: 19 Oct 2018 22:18

Instrument :

BNA_F

ClientSampleId :

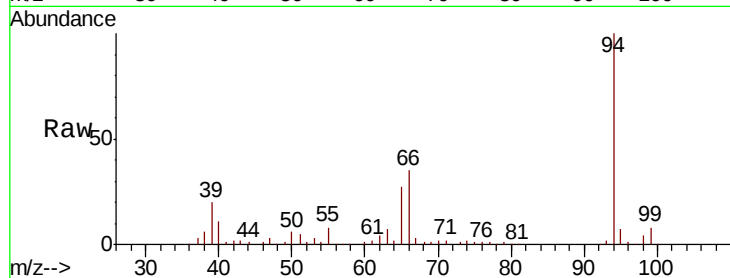
Tot Ion: 94 Resp: 151398

Ion Ratio Lower Upper

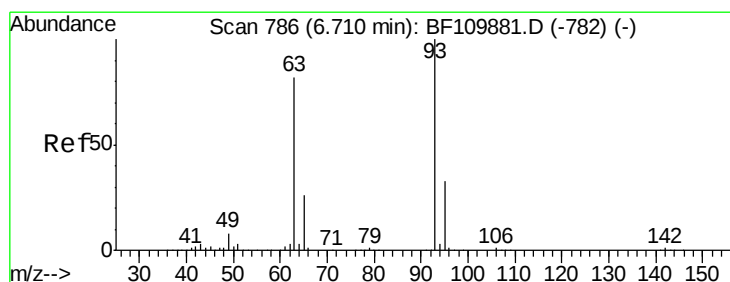
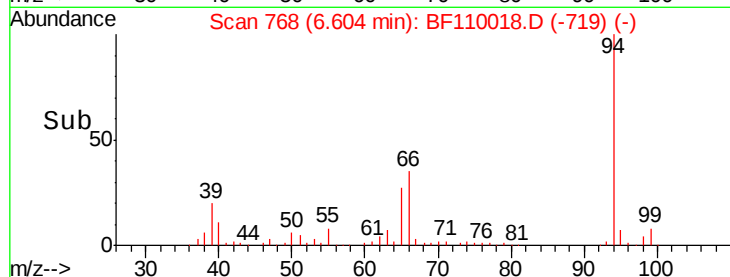
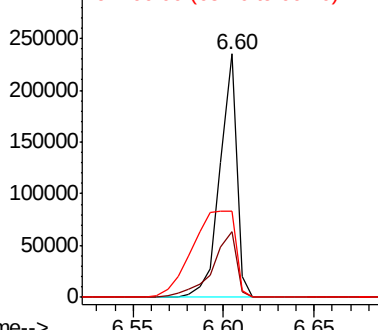
94 100

65 26.9 25.3 65.3

66 35.4 54.5 94.5#



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



#11

bis(2-Chloroethyl)ether

Concen: 2.592 ng

RT: 6.74 min Scan# 791

Delta R.T. 0.02 min

Lab File: BF110018.D

Acq: 19 Oct 2018 22:18

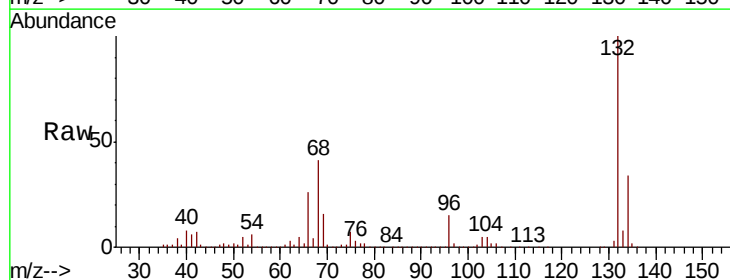
Tgt Ion: 93 Resp: 1954

Ion Ratio Lower Upper

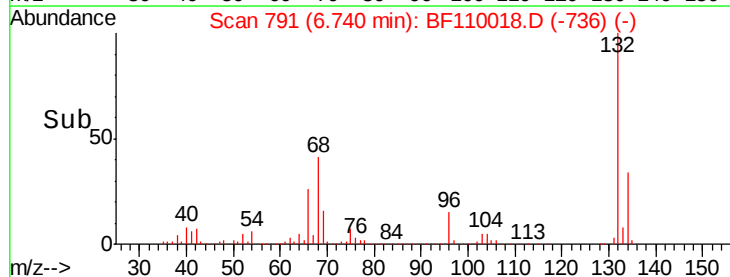
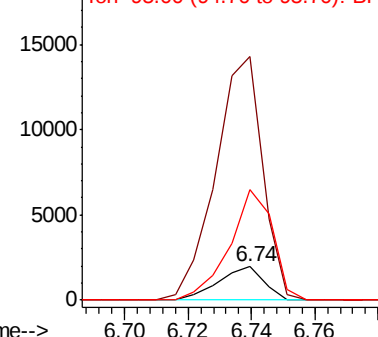
93 100

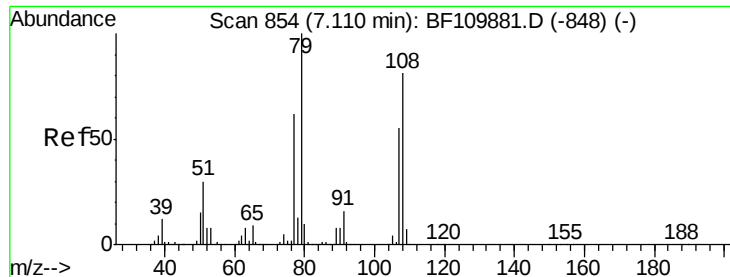
63 732.7 53.4 93.4#

95 330.8 12.1 52.1#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1





#15

Benzyl Alcohol

Concen: 27.630 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.00 min

Lab File: BF110018.D

Acq: 19 Oct 2018 22:18

Instrument :

BNA_F

ClientSampled :

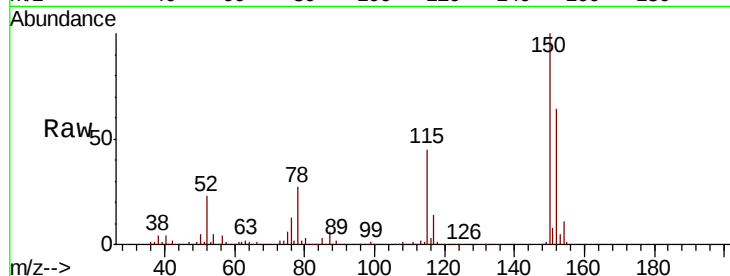
Tot Ion: 79 Resp: 17749

Ion Ratio Lower Upper

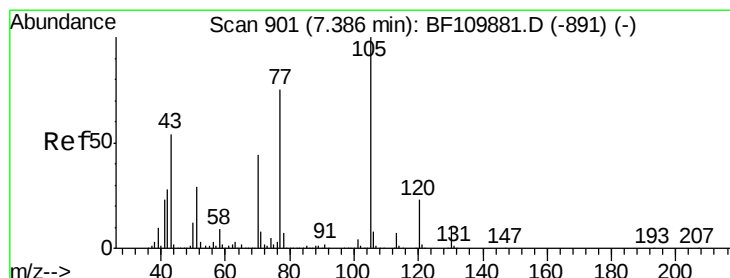
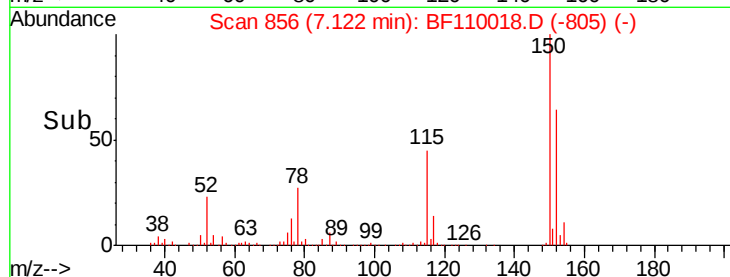
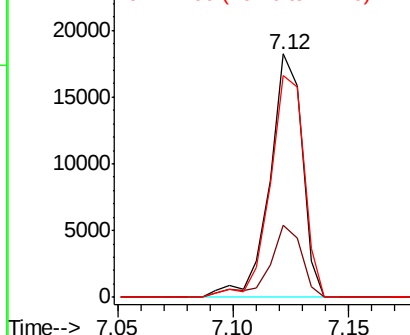
79 100

108 29.5 56.3 84.5#

77 91.1 52.9 79.3#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 271.981 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.14 min

Lab File: BF110018.D

Acq: 19 Oct 2018 22:18

Tgt Ion: 70 Resp: 145816

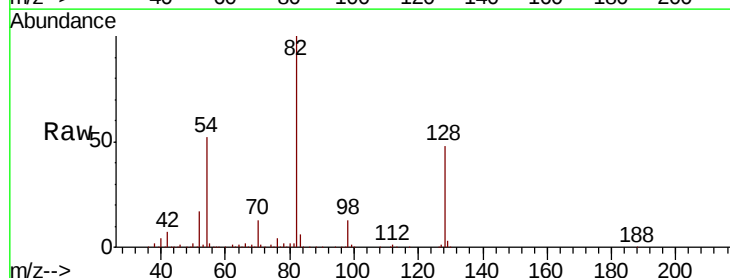
Ion Ratio Lower Upper

70 100

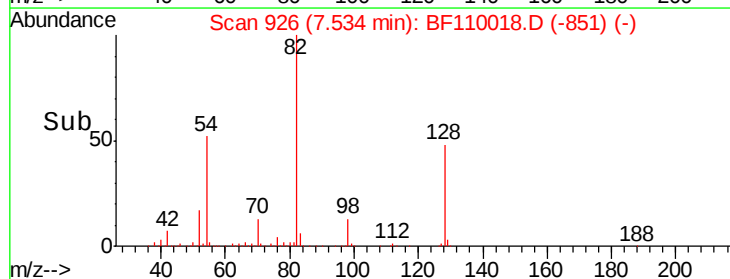
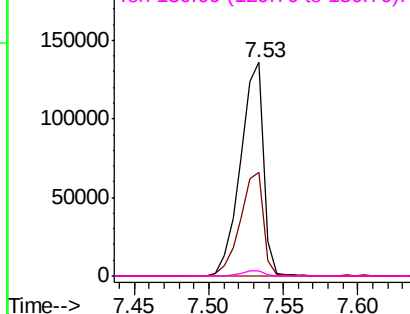
42 48.5 47.4 71.2

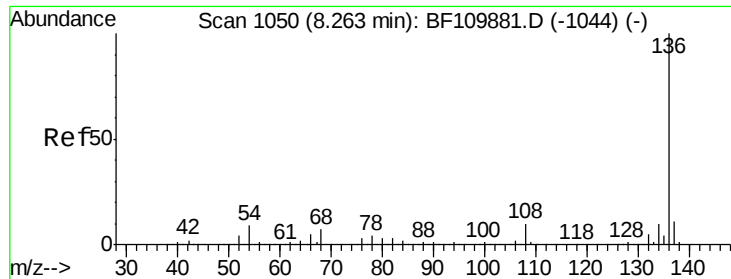
101 0.0 7.3 10.9#

130 2.3 16.2 24.2#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

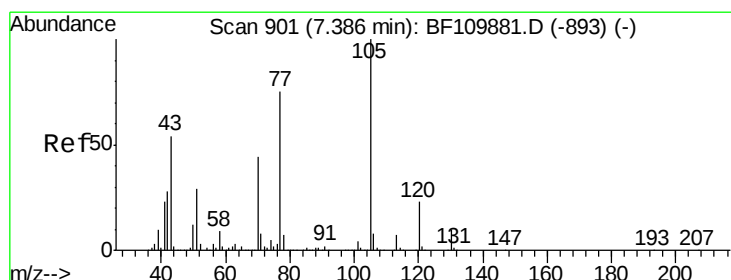
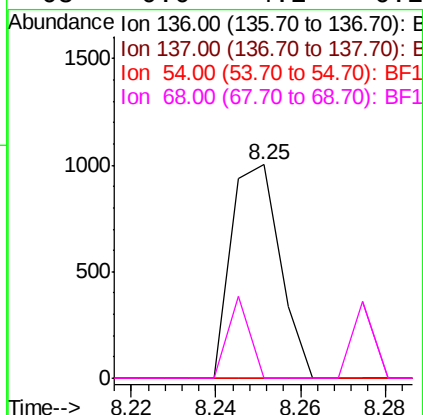
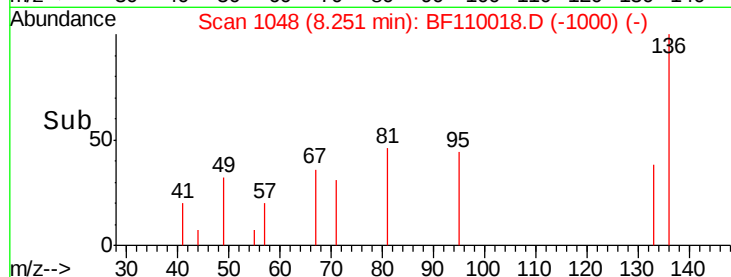
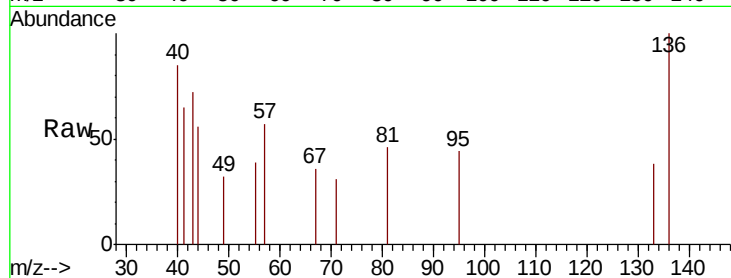




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110018.D
Acq: 19 Oct 2018 22:18

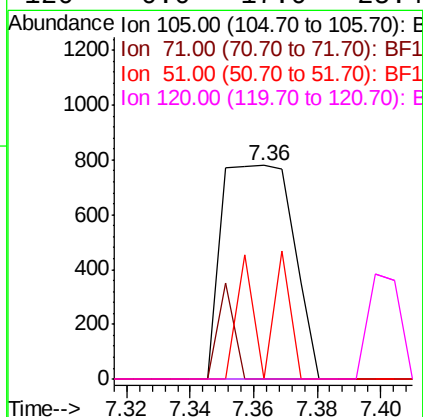
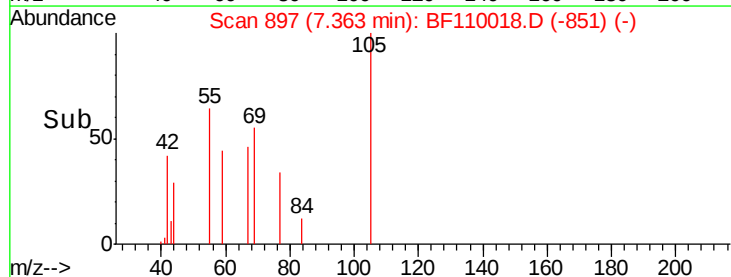
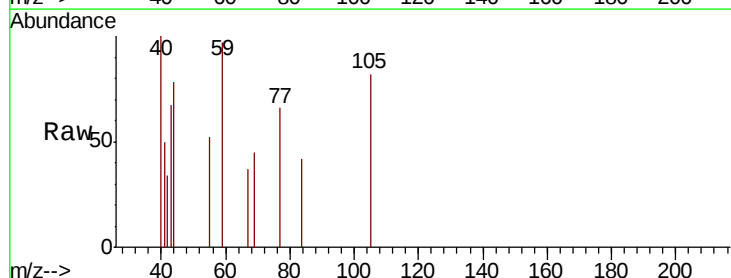
Instrument :
BNA_F
ClientSampleId :

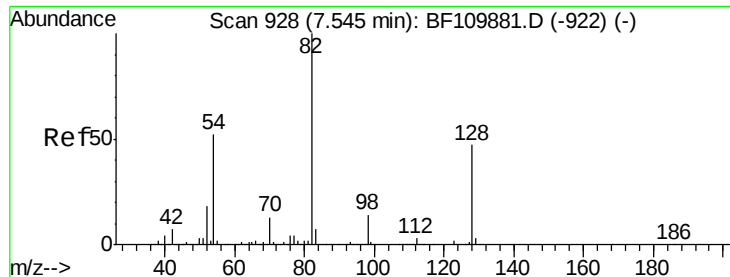
Tot Ion:136	Resp:	803
Ion Ratio	Lower	Upper
136	100	
137	0.0	8.8 13.2#
54	0.0	5.4 8.2#
68	0.0	4.2 6.2#



#22
Acetophenone
Concen: 65.245 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.03 min
Lab File: BF110018.D
Acq: 19 Oct 2018 22:18

Tgt Ion:105	Resp:	1215
Ion Ratio	Lower	Upper
105	100	
71	0.0	5.2 7.8#
51	0.0	21.8 32.8#
120	0.0	17.0 25.4#

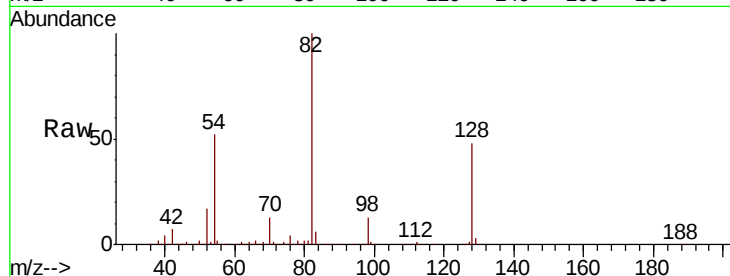




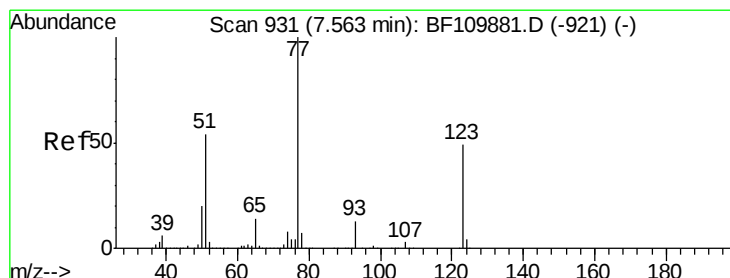
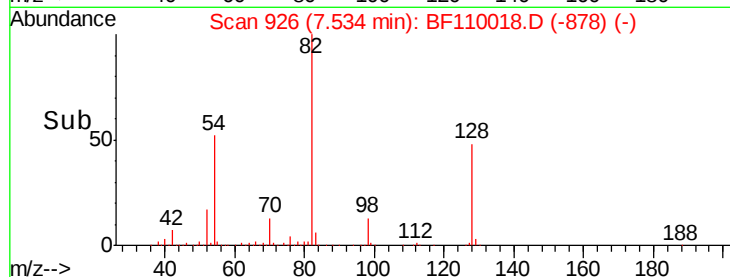
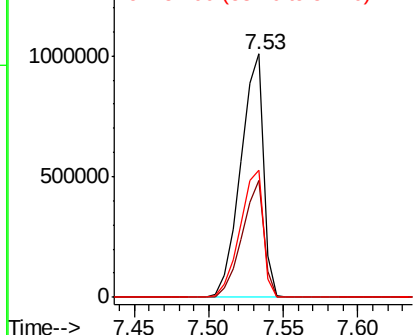
#23
Nitrobenzene-d5
Concen: 90072.164 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.02 min
Lab File: BF110018.D
Acq: 19 Oct 2018 22:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1073690
Ion Ratio Lower Upper
82 100
128 47.9 34.2 51.2
54 52.0 38.6 58.0

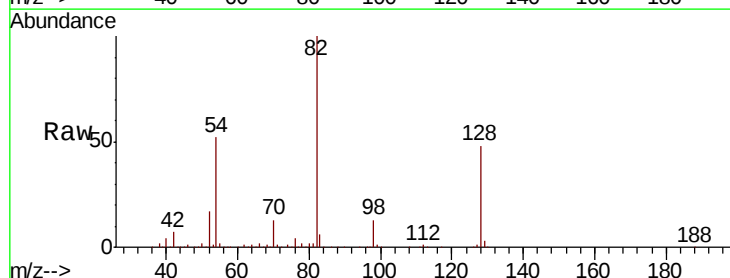


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

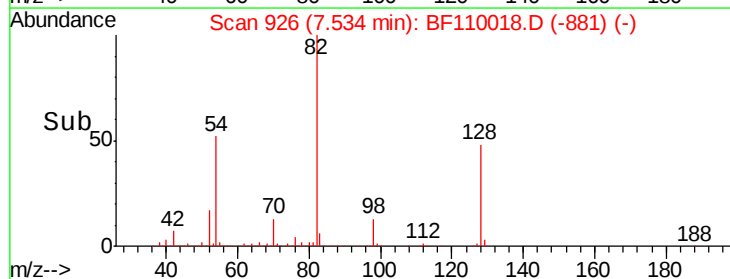
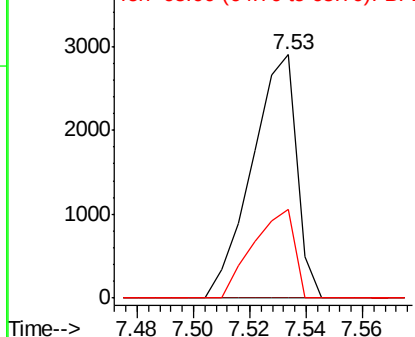


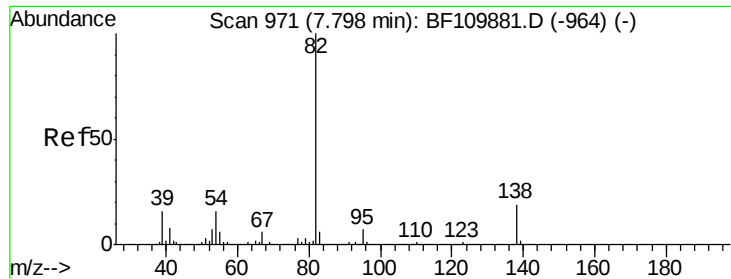
#24
Nitrobenzene
Concen: 246.109 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.04 min
Lab File: BF110018.D
Acq: 19 Oct 2018 22:18

Tgt Ion: 77 Resp: 3187
Ion Ratio Lower Upper
77 100
123 0.0 35.7 53.5#
65 36.3 10.7 16.1#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 45669.691 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.27 min

Lab File: BF110018.D

Acq: 19 Oct 2018 22:18

Instrument :

BNA_F

ClientSampleId :

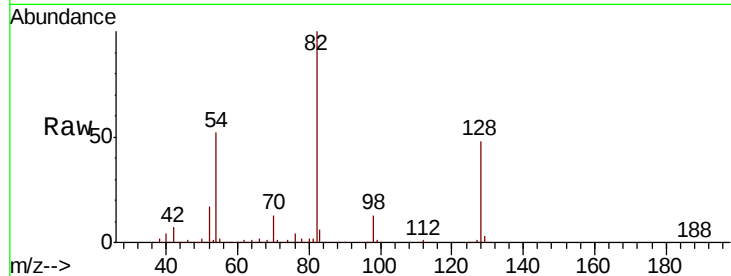
Tot Ion: 82 Resp: 1069685

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

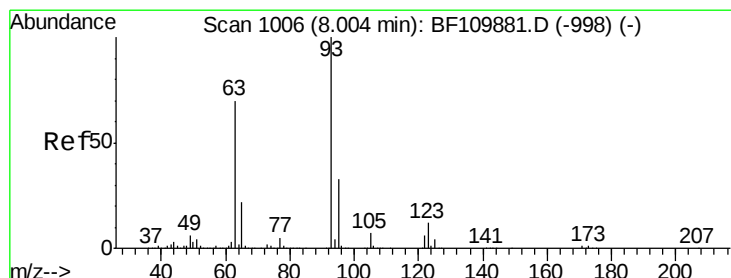
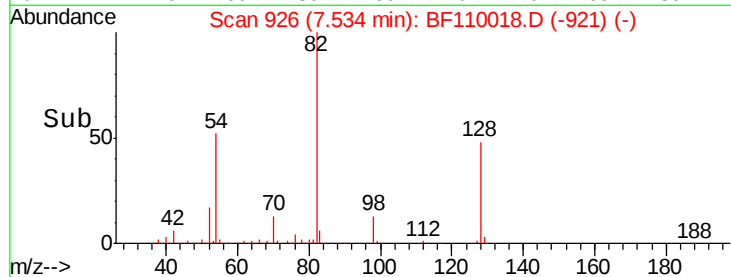
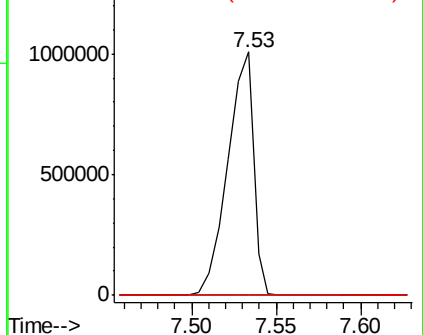
138 0.0 13.2 19.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#28

bis(2-Chloroethoxy)methane

Concen: 7.092 ng

RT: 8.26 min Scan# 1050

Delta R.T. 0.25 min

Lab File: BF110018.D

Acq: 19 Oct 2018 22:18

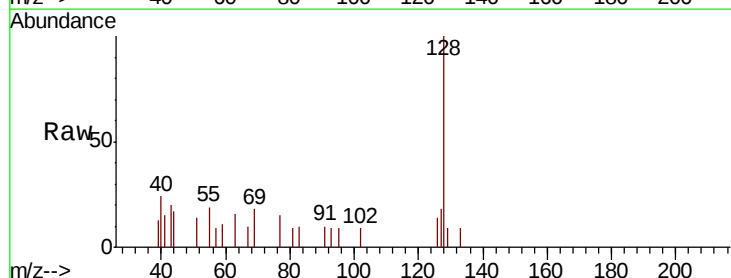
Tgt Ion: 93 Resp: 114

Ion Ratio Lower Upper

93 100

95 104.0 26.4 39.6#

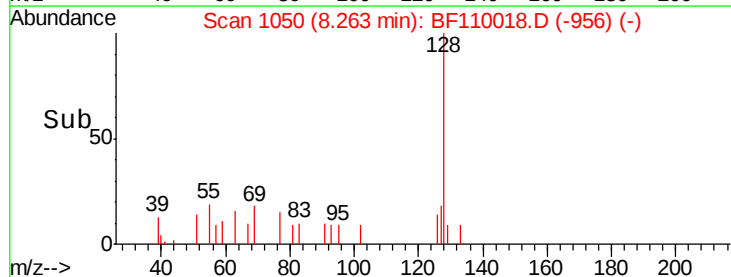
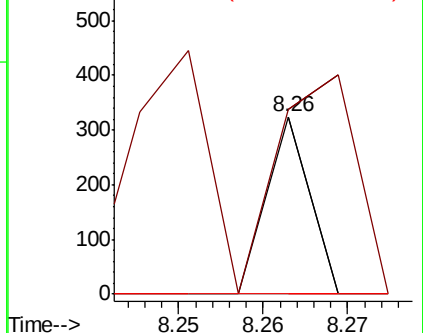
123 0.0 9.0 13.6#

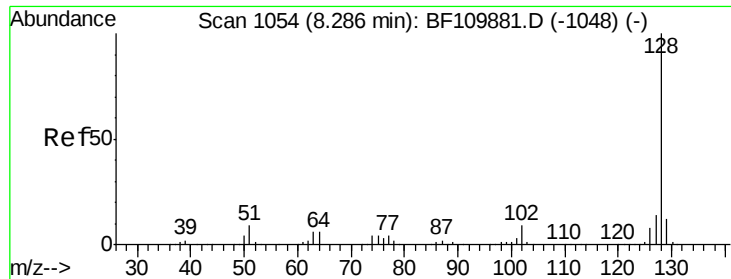


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

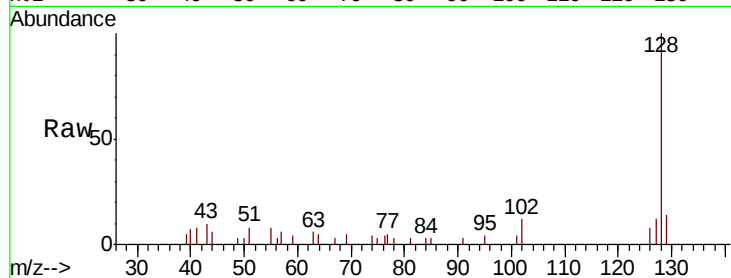




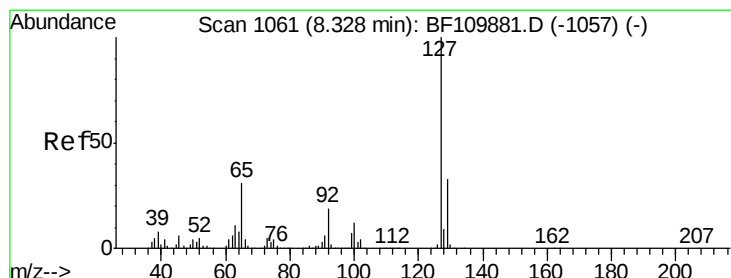
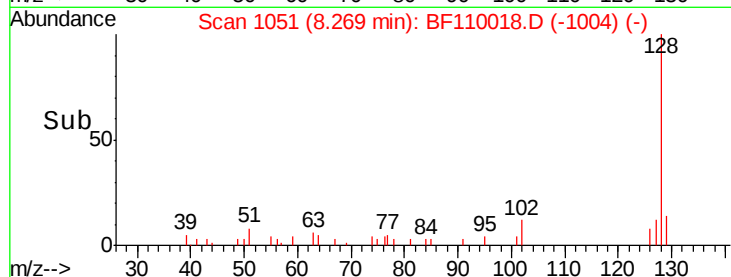
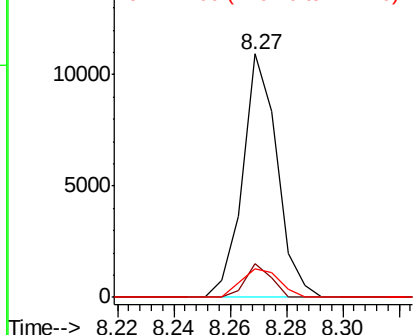
#31
Naphthalene
Concen: 250.444 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.02 min
Lab File: BF110018.D
Acq: 19 Oct 2018 22:18

Instrument :
BNA_F
ClientSampled :

Tot Ion:128 Resp: 9222
Ion Ratio Lower Upper
128 100
129 14.1 8.8 13.2#
127 11.6 10.8 16.2

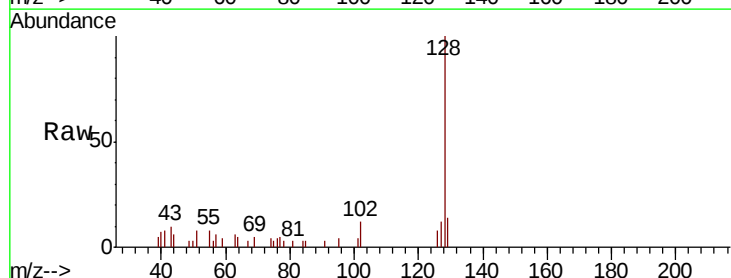


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

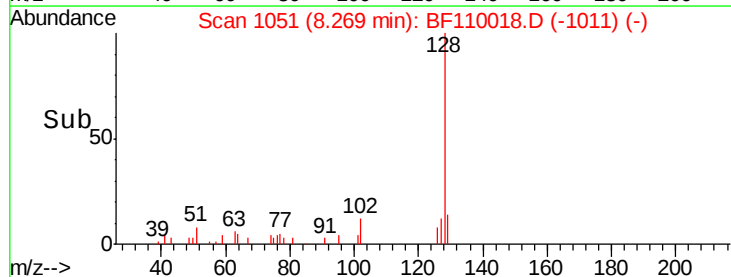
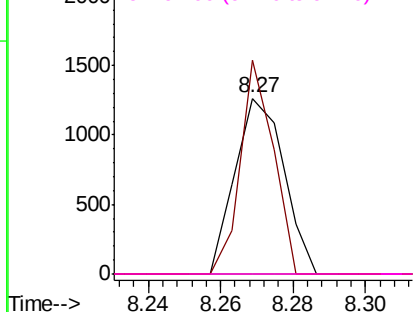


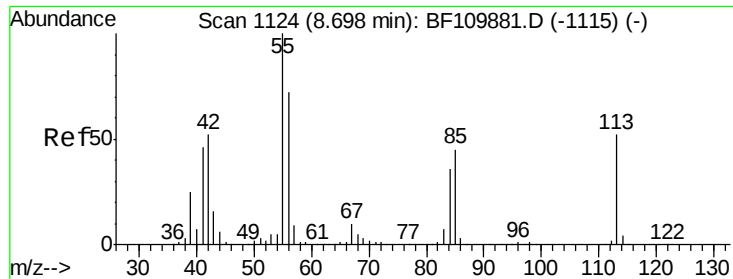
#33
4-Chloroaniline
Concen: 71.469 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.06 min
Lab File: BF110018.D
Acq: 19 Oct 2018 22:18

Tgt Ion:127 Resp: 1183
Ion Ratio Lower Upper
127 100
129 121.7 26.0 39.0#
65 0.0 25.1 37.7#
92 0.0 15.0 22.6#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

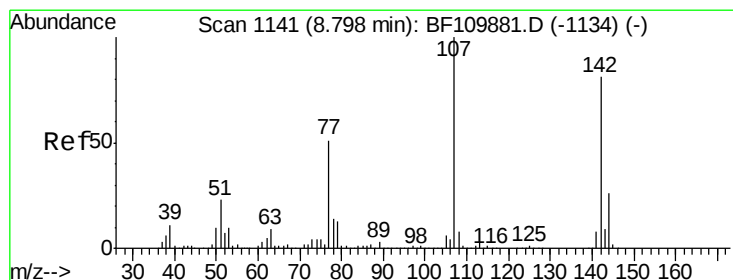
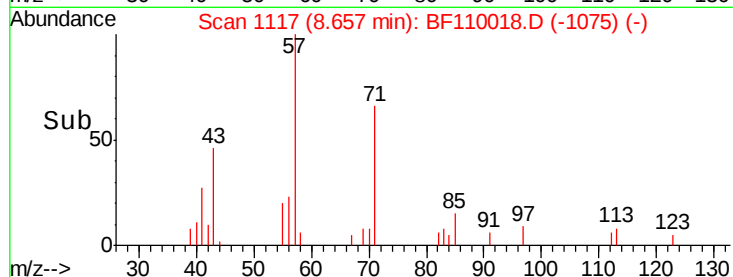
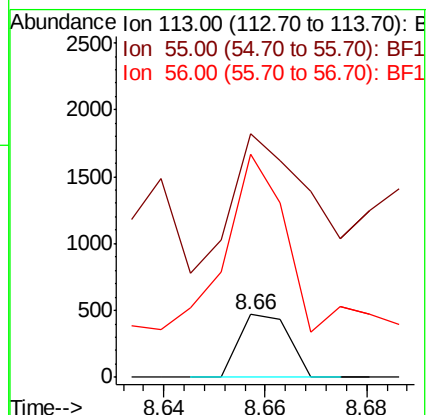
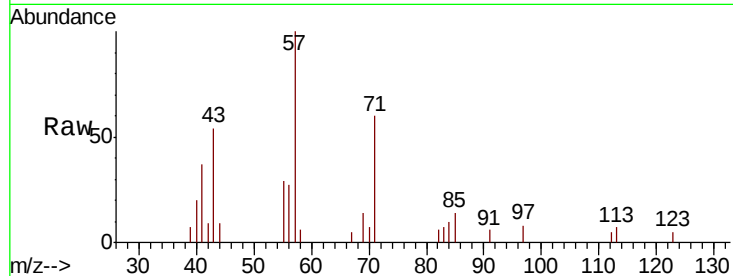




#35
 Caprolactam
 Concen: 82.072 ng
 RT: 8.66 min Scan# 1117
 Delta R.T. -0.05 min
 Lab File: BF110018.D
 Acq: 19 Oct 2018 22:18

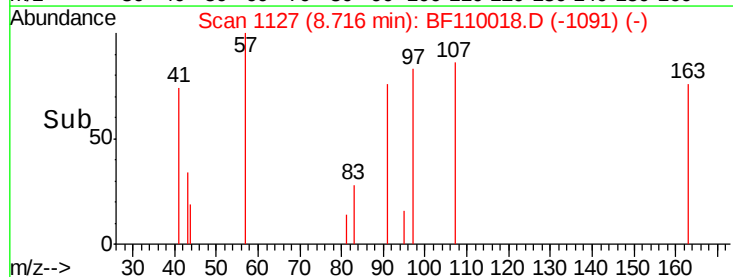
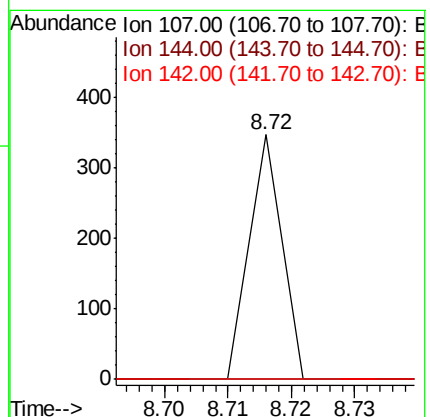
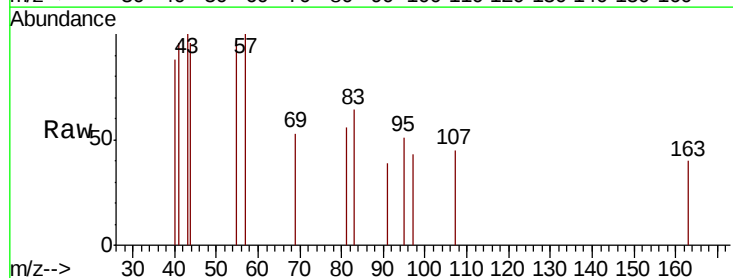
Instrument :
 BNA_F
 ClientSampleId :

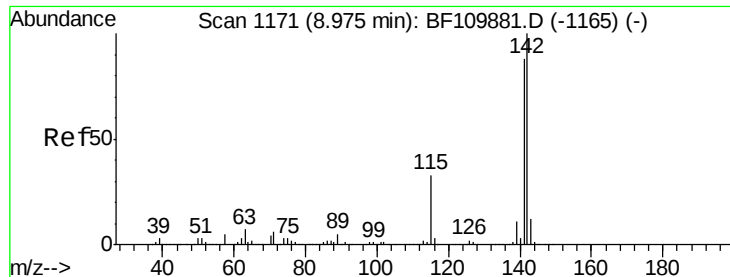
Tot Ion:113 Resp: 319
 Ion Ratio Lower Upper
 113 100
 55 386.6 142.8 182.8#
 56 355.2 105.0 145.0#



#36
 4-Chloro-3-methylphenol
 Concen: 10.567 ng
 RT: 8.72 min Scan# 1127
 Delta R.T. -0.09 min
 Lab File: BF110018.D
 Acq: 19 Oct 2018 22:18

Tgt Ion:107 Resp: 122
 Ion Ratio Lower Upper
 107 100
 144 0.0 20.0 30.0#
 142 0.0 59.7 89.5#

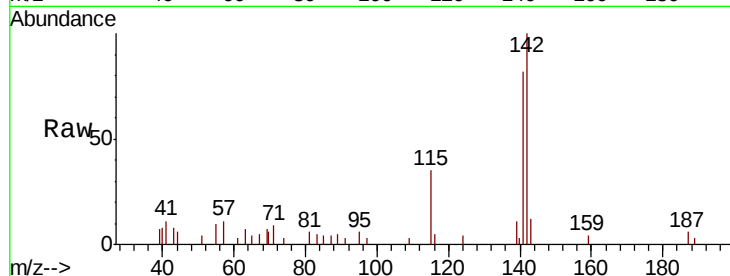




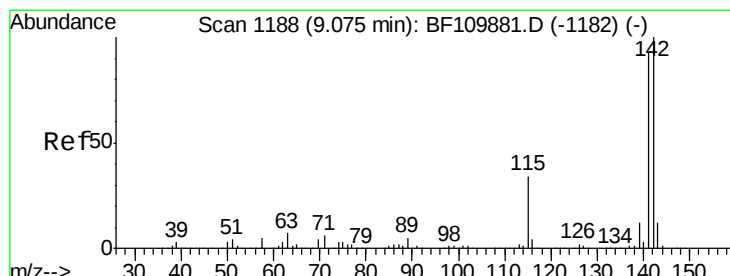
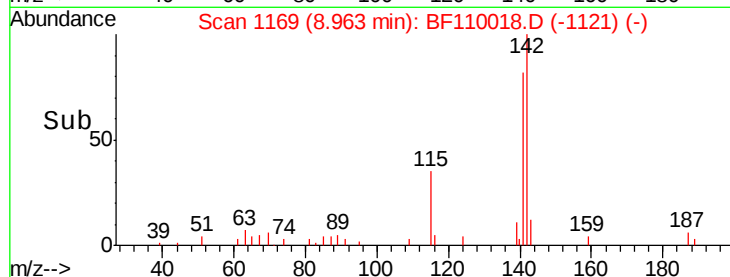
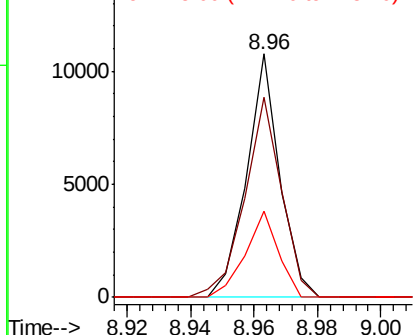
#37
2-Methylnaphthalene
Concen: 327.758 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.02 min
Lab File: BF110018.D
Acq: 19 Oct 2018 22:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 7815
Ion Ratio Lower Upper
142 100
141 82.3 71.4 107.2
115 35.4 28.7 43.1

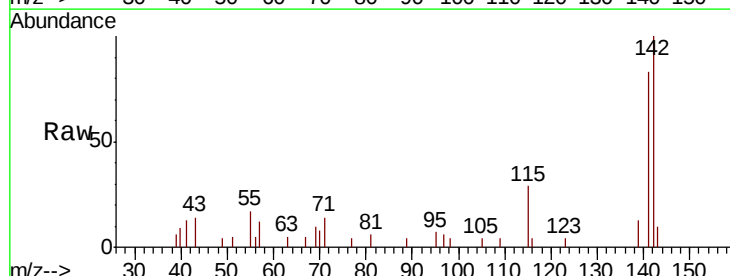


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

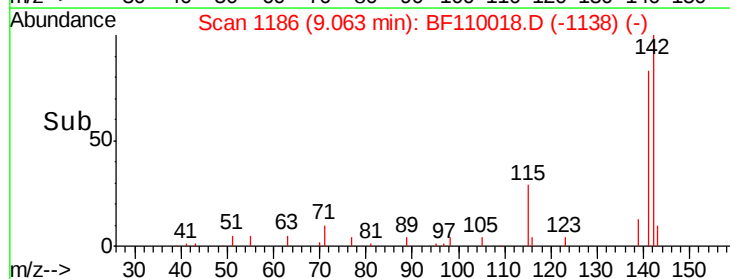
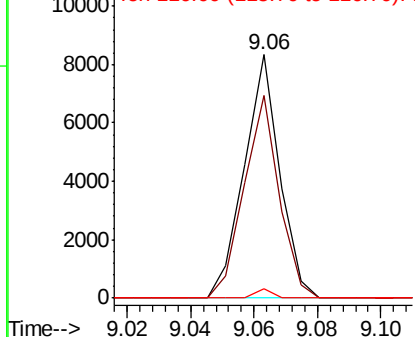


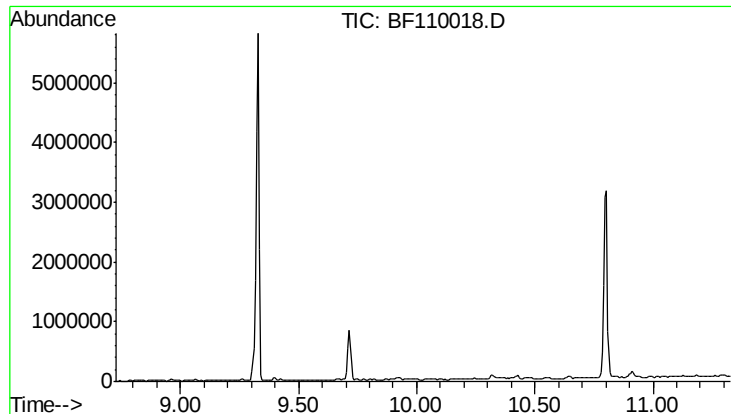
#38
1-Methylnaphthalene
Concen: 280.247 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.02 min
Lab File: BF110018.D
Acq: 19 Oct 2018 22:18

Tgt Ion:142 Resp: 6475
Ion Ratio Lower Upper
142 100
141 83.3 74.2 111.4
116 3.8 2.6 4.0



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 0.000 ng

Expected RT: 10.03 min

Lab File: BF110018.D

Acq: 19 Oct 2018 22:18

Tot Ion: 164

Sig Exp Ratio

164 100

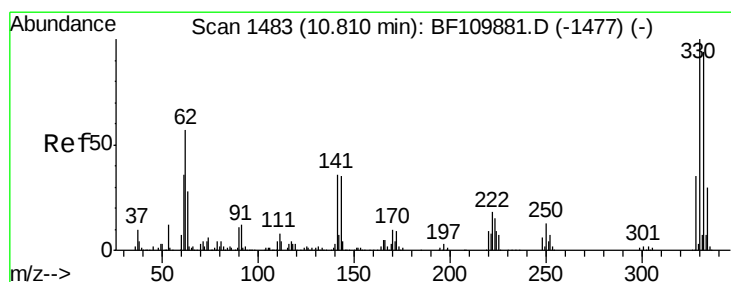
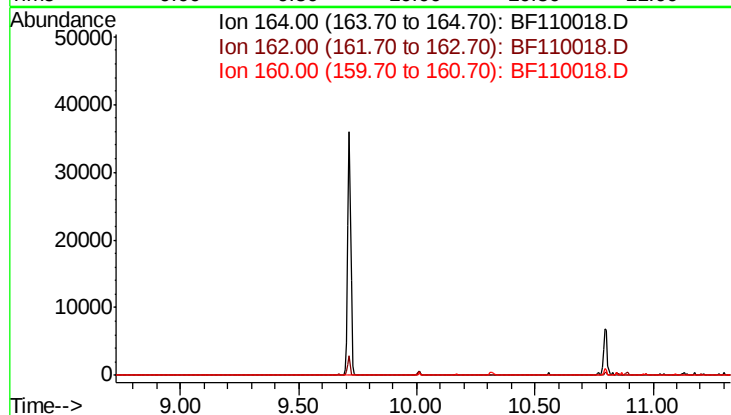
162 103.8

160 46.3

Instrument :

BNA_F

ClientSampleId :



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF110018.D

Acq: 19 Oct 2018 22:18

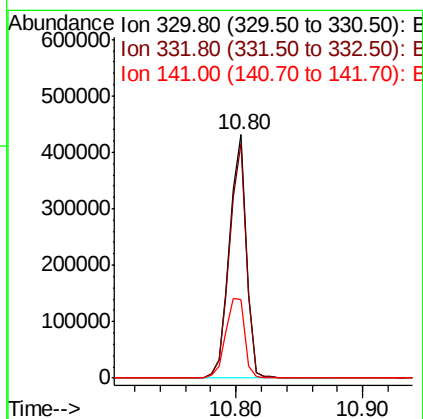
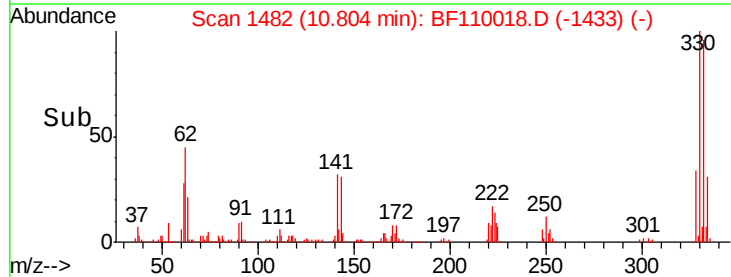
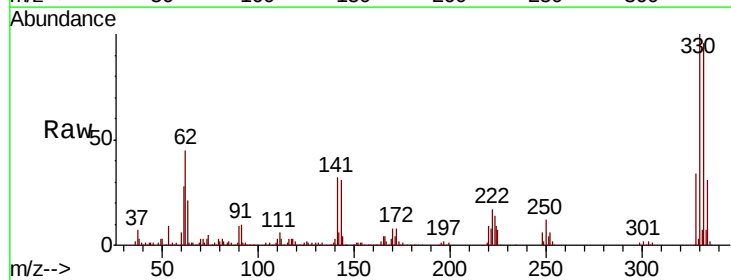
Tgt Ion: 330 Resp: 398236

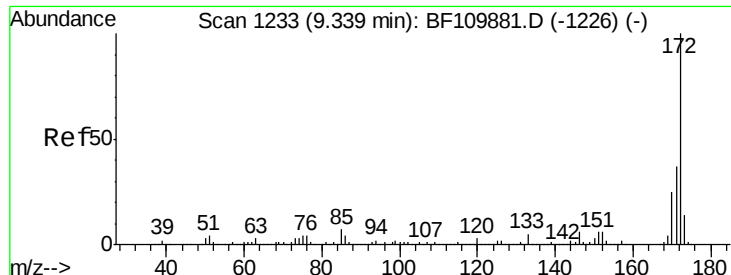
Ion Ratio Lower Upper

330 100

332 96.1 77.1 115.7

141 36.5 27.0 40.4

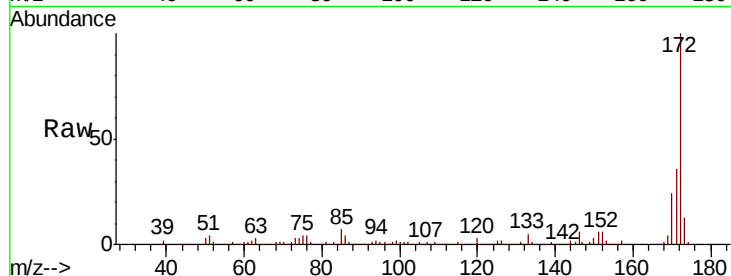




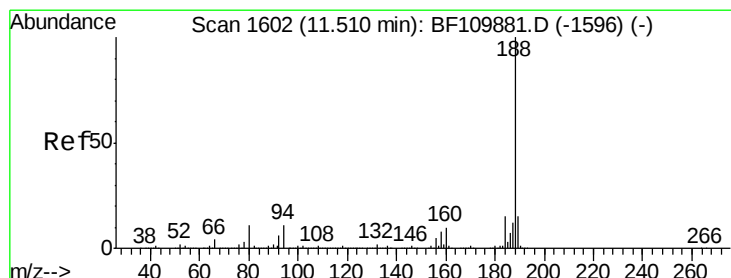
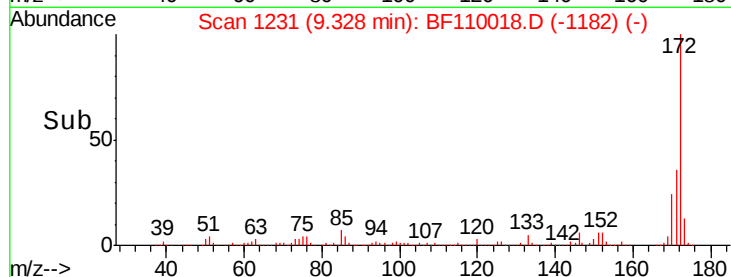
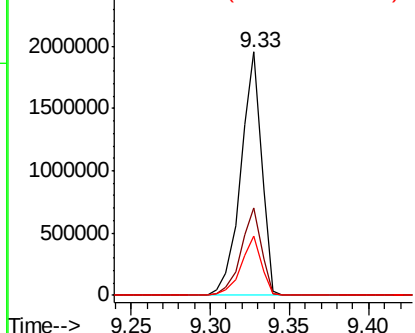
#45
2-Fluorobiphenyl
Concen: 0.000 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF110018.D
Acq: 19 Oct 2018 22:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1766714
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 24.3 19.7 29.5

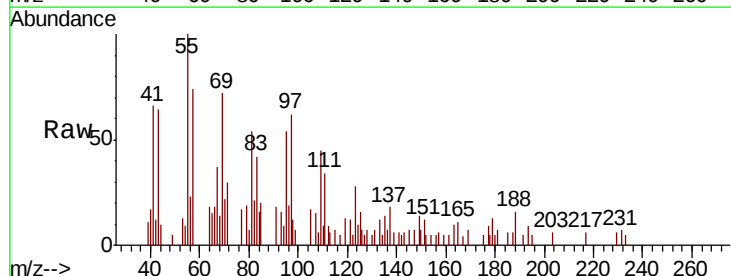


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

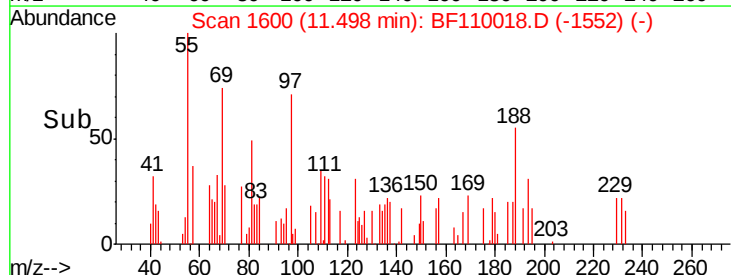
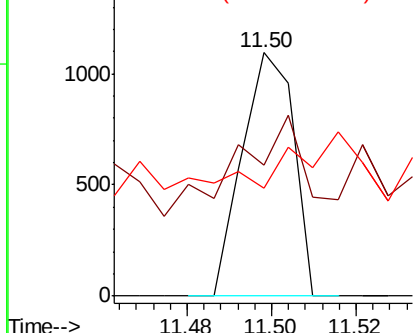


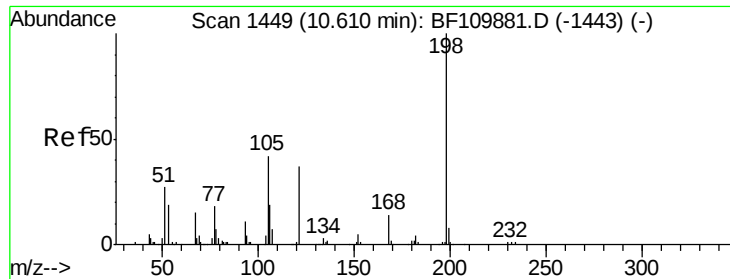
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.02 min
Lab File: BF110018.D
Acq: 19 Oct 2018 22:18

Tgt Ion:188 Resp: 927
Ion Ratio Lower Upper
188 100
94 53.6 7.2 10.8#
80 44.6 7.9 11.9#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 220.820 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.18 min

Lab File: BF110018.D

Acq: 19 Oct 2018 22:18

Instrument :

BNA_F

ClientSampleId :

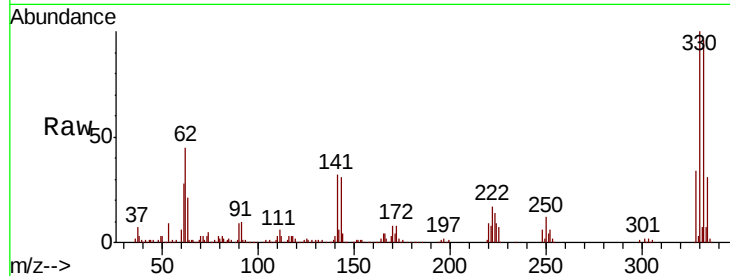
Tot Ion:198 Resp: 856

Ion Ratio Lower Upper

198 100

51 155.3 22.8 62.8#

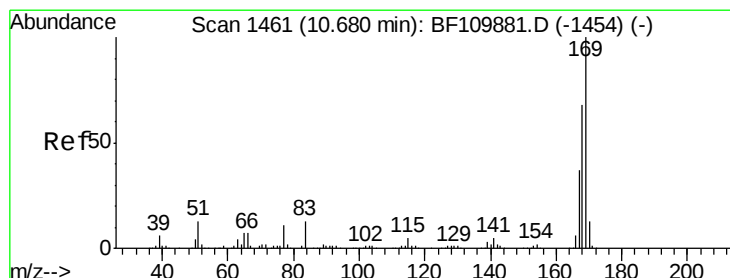
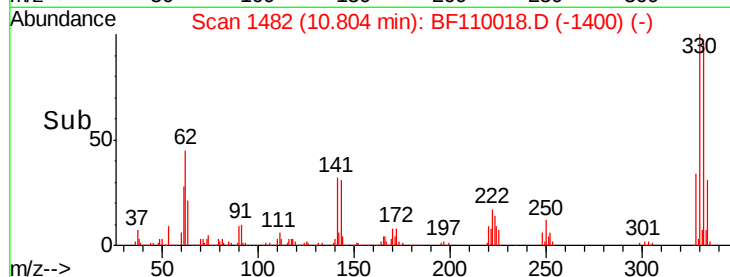
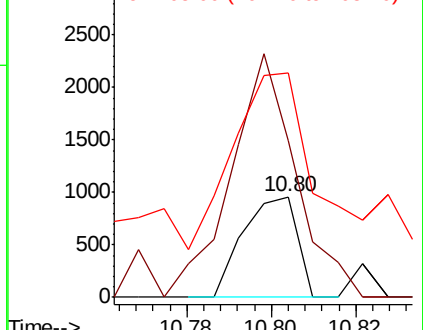
105 223.0 23.6 63.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 18.203 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.02 min

Lab File: BF110018.D

Acq: 19 Oct 2018 22:18

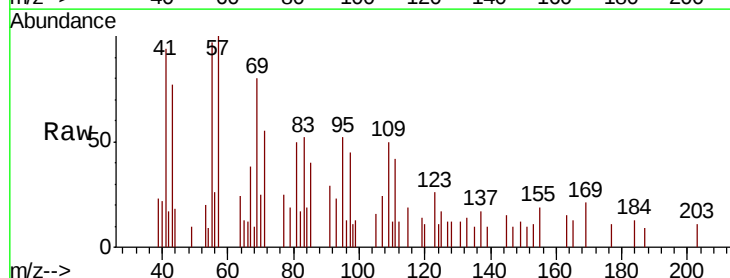
Tgt Ion:169 Resp: 562

Ion Ratio Lower Upper

169 100

168 0.0 51.2 76.8#

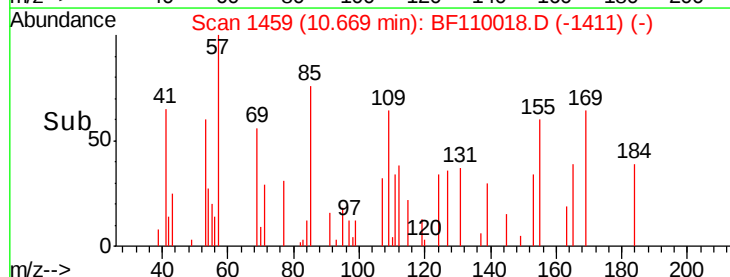
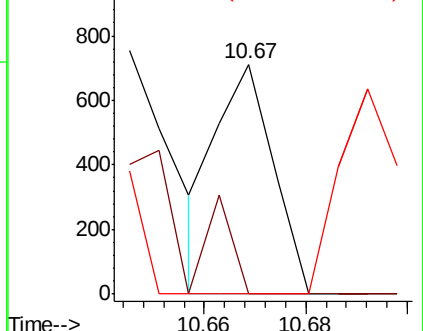
167 0.0 27.8 41.6#

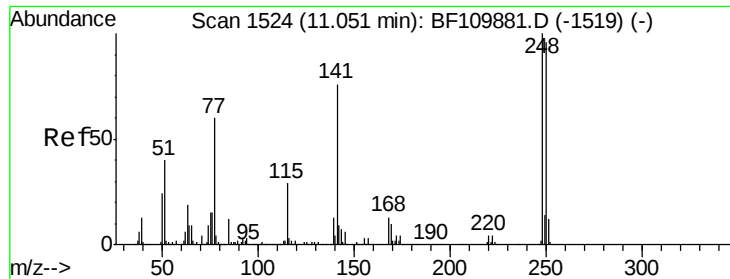


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

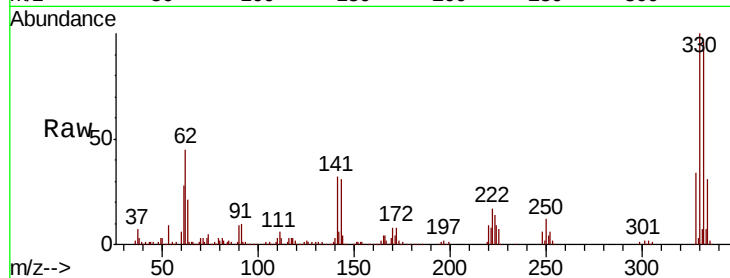




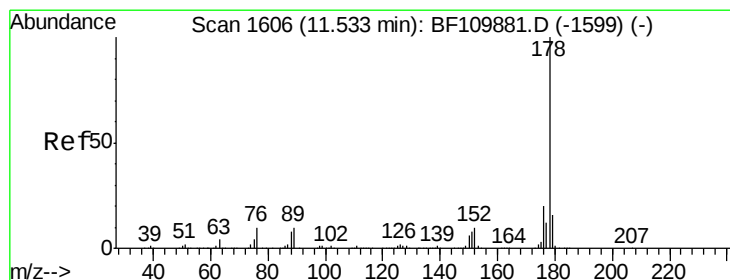
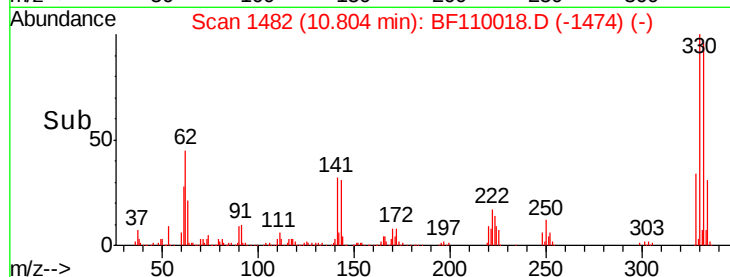
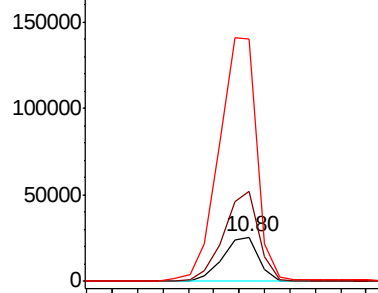
#67
 4-Bromophenyl-phenylether
 Concen: 2531.888 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.25 min
 Lab File: BF110018.D
 Acq: 19 Oct 2018 22:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 25436
 Ion Ratio Lower Upper
 248 100
 250 202.4 79.4 119.2#
 141 546.5 55.9 83.9#

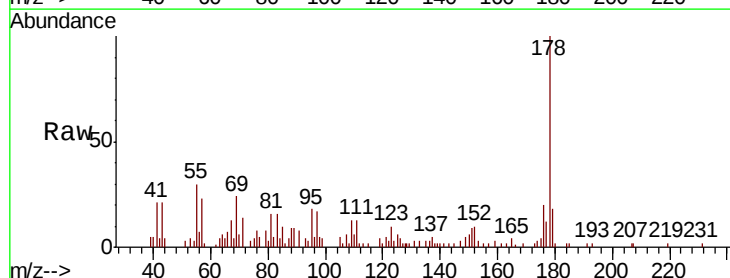


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

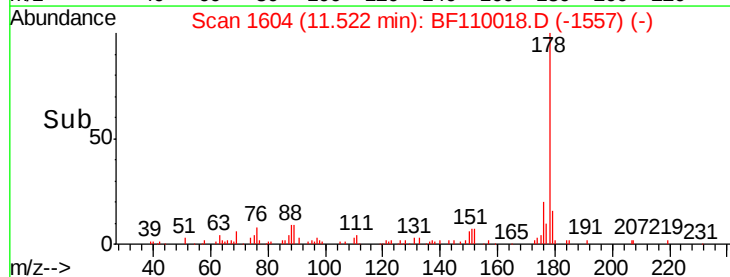
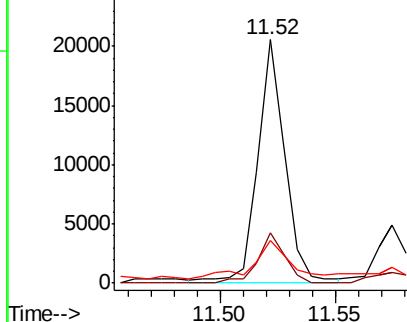


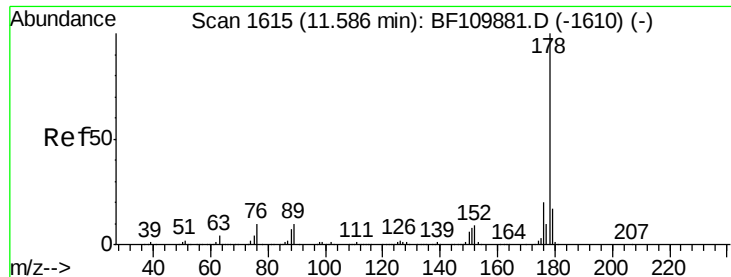
#71
 Phenanthrene
 Concen: 355.897 ng
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.02 min
 Lab File: BF110018.D
 Acq: 19 Oct 2018 22:18

Tgt Ion:178 Resp: 17080
 Ion Ratio Lower Upper
 178 100
 176 20.5 15.5 23.3
 179 17.7 12.5 18.7



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

Anthracene

Concen: 353.998 ng

RT: 11.52 min Scan# 1604

Delta R.T. -0.08 min

Lab File: BF110018.D

Acq: 19 Oct 2018 22:18

Instrument :

BNA_F

ClientSampled :

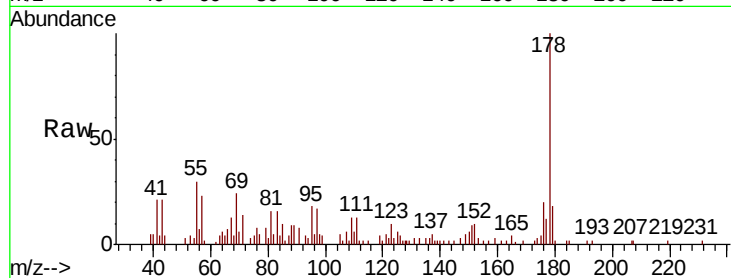
Tot Ion:178 Resp: 17080

Ion Ratio Lower Upper

178 100

176 20.5 15.4 23.2

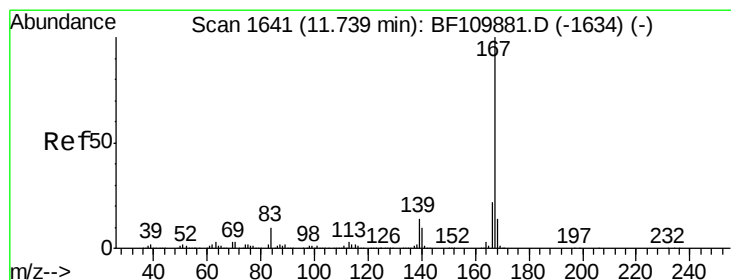
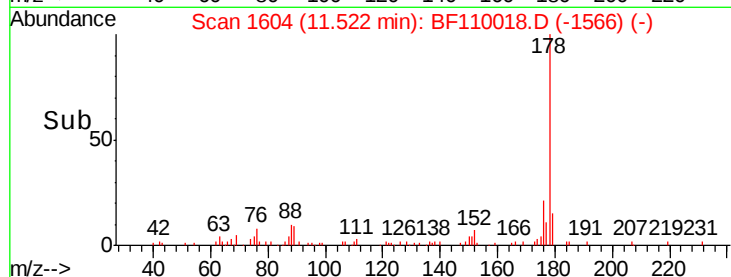
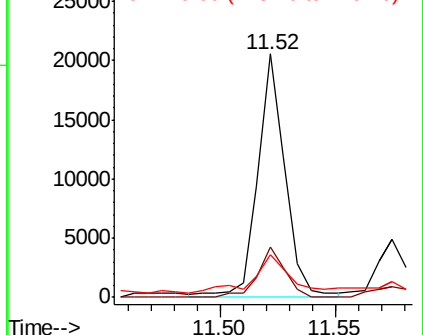
179 17.7 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 67.484 ng

RT: 11.73 min Scan# 1639

Delta R.T. -0.02 min

Lab File: BF110018.D

Acq: 19 Oct 2018 22:18

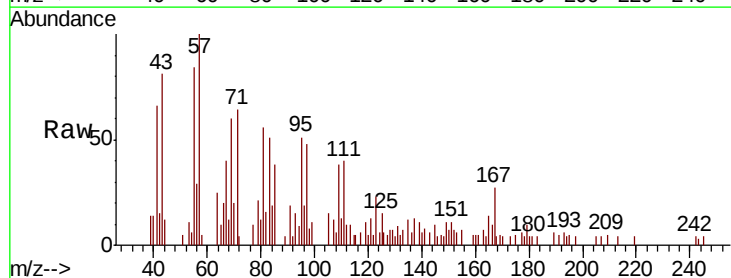
Tgt Ion:167 Resp: 3200

Ion Ratio Lower Upper

167 100

166 38.7 17.4 26.0#

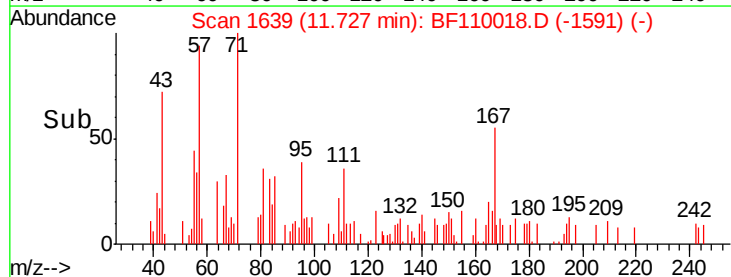
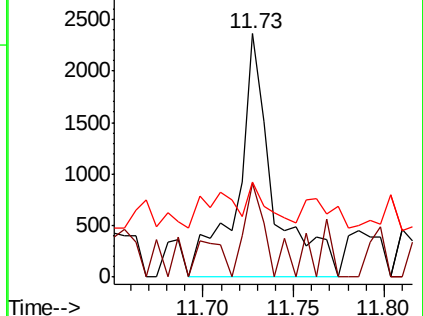
139 39.3 10.9 16.3#

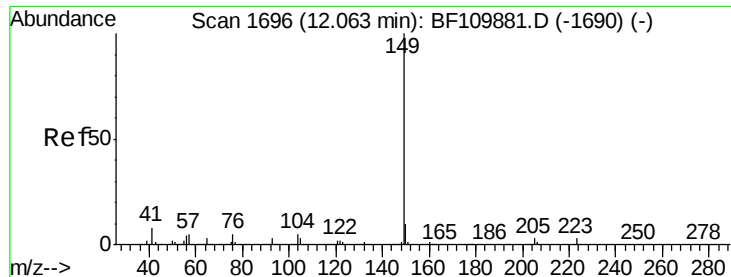


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 433.278 ng

RT: 12.05 min Scan# 1694

Delta R.T. -0.02 min

Lab File: BF110018.D

Acq: 19 Oct 2018 22:18

Instrument :

BNA_F

ClientSampleId :

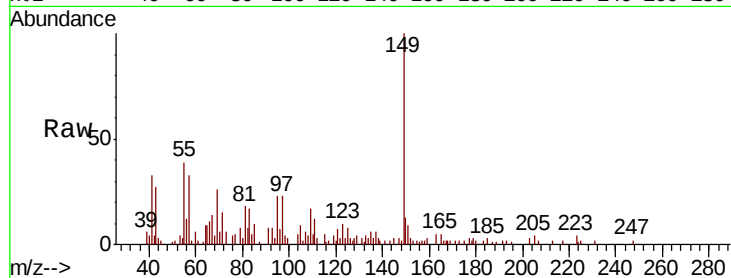
Tot Ion:149 Resp: 22929

Ion Ratio Lower Upper

149 100

150 12.6 7.7 11.5#

104 4.8 4.2 6.4

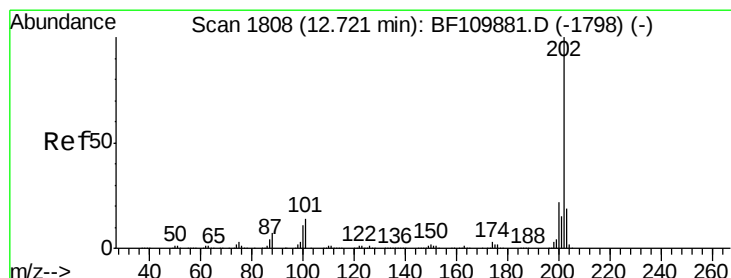
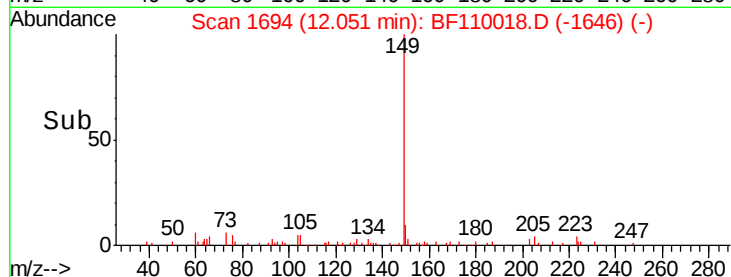
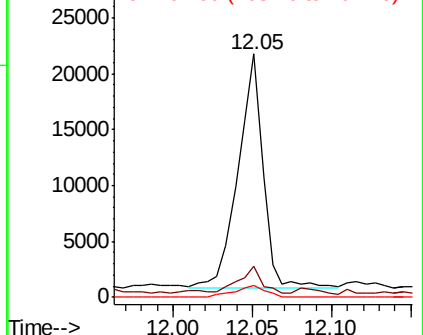


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 670.175 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.02 min

Lab File: BF110018.D

Acq: 19 Oct 2018 22:18

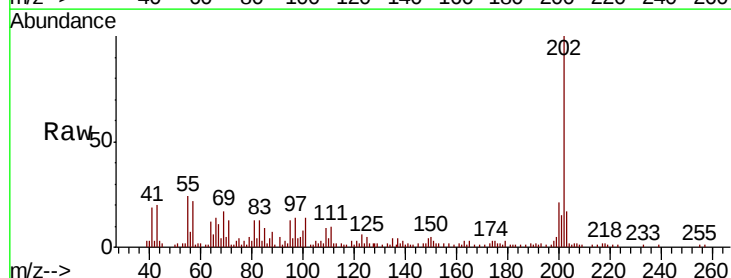
Tgt Ion:202 Resp: 32130

Ion Ratio Lower Upper

202 100

101 13.7 0.0 31.4

203 17.3 0.0 37.7

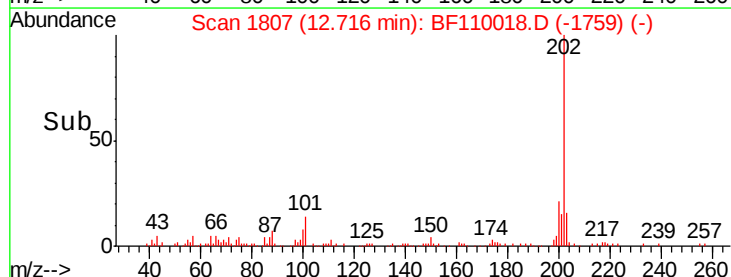
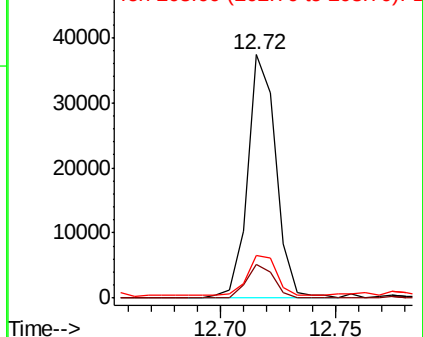


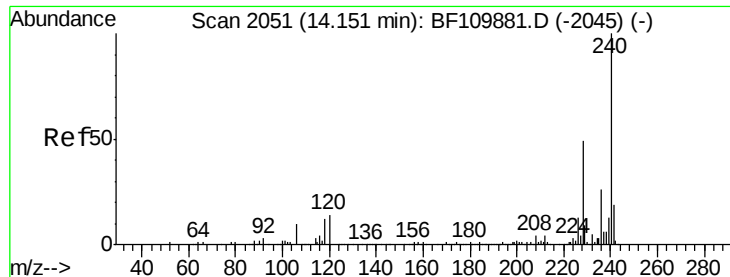
Abundance

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

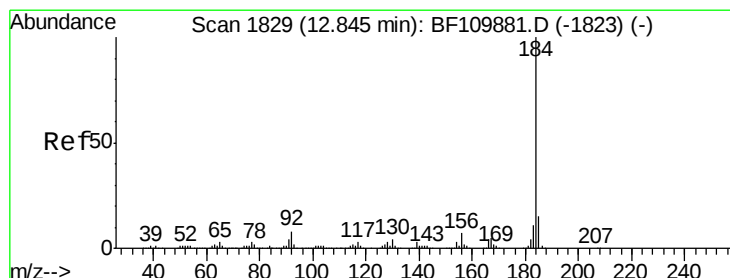
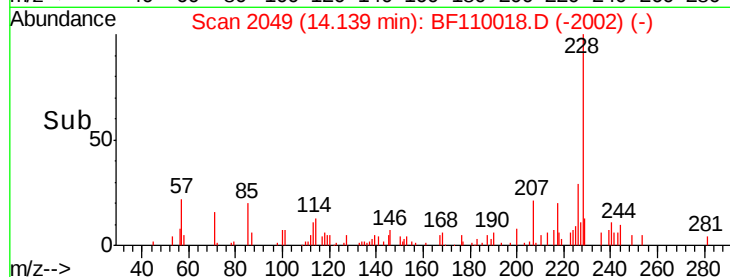
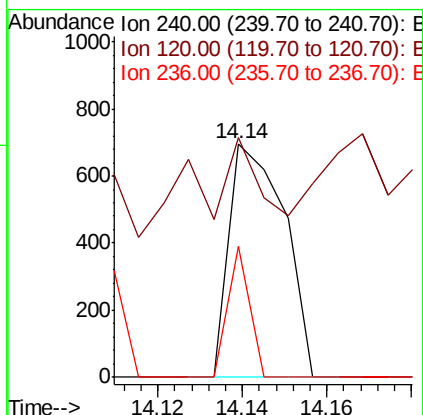
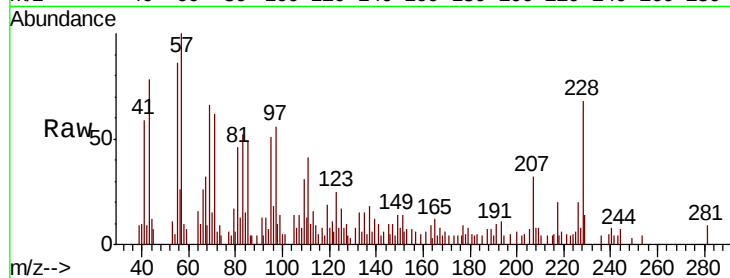




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.02 min
 Lab File: BF110018.D
 Acq: 19 Oct 2018 22:18

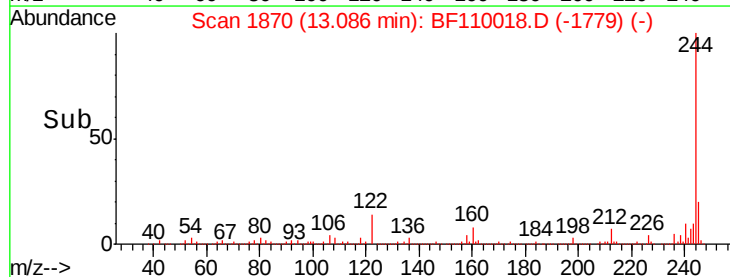
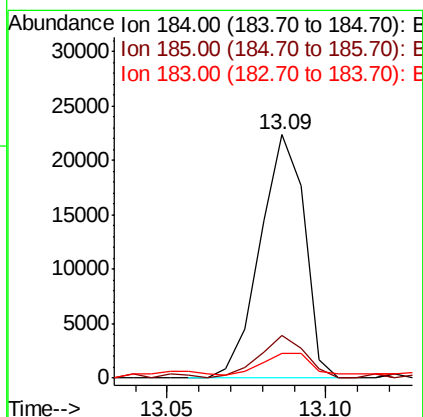
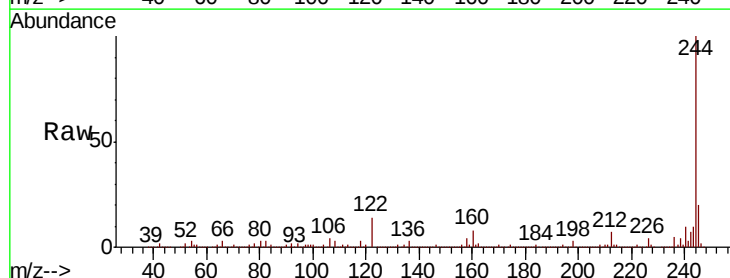
Instrument :
 BNA_F
 ClientSampled :

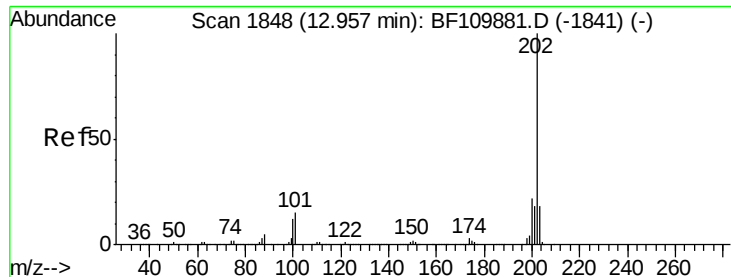
Tot Ion:240 Resp: 632
 Ion Ratio Lower Upper
 240 100
 120 102.3 8.3 12.5#
 236 55.8 21.2 31.8#



#77
 Benzidine
 Concen: 897.707 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. 0.24 min
 Lab File: BF110018.D
 Acq: 19 Oct 2018 22:18

Tgt Ion:184 Resp: 21753
 Ion Ratio Lower Upper
 184 100
 185 17.3 13.4 20.2
 183 9.9 9.4 14.2

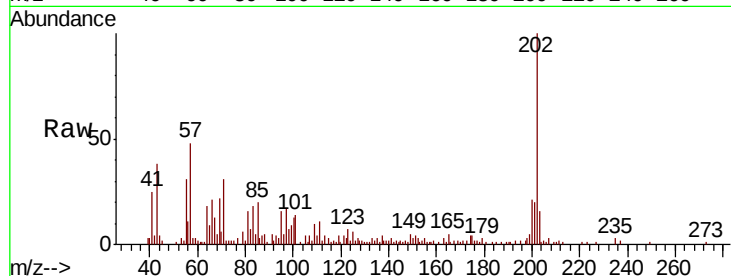




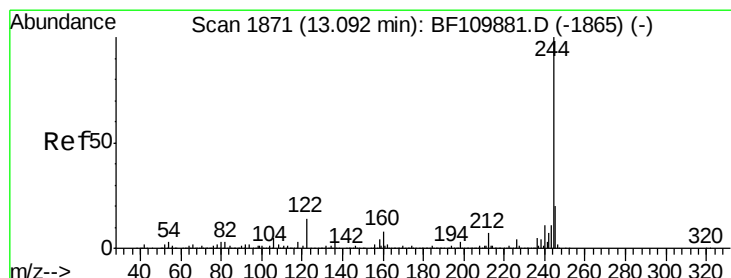
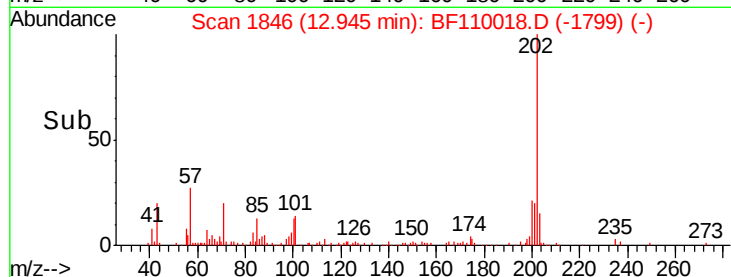
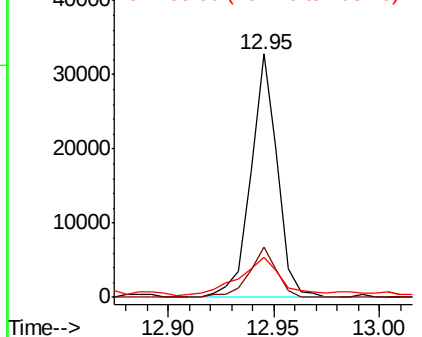
#78
Pvrene
Concen: 617.427 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.02 min
Lab File: BF110018.D
Acq: 19 Oct 2018 22:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 28660
Ion Ratio Lower Upper
202 100
200 20.7 17.8 26.6
203 16.3 14.2 21.4

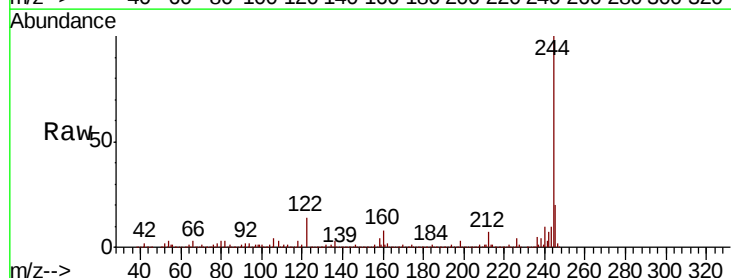


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

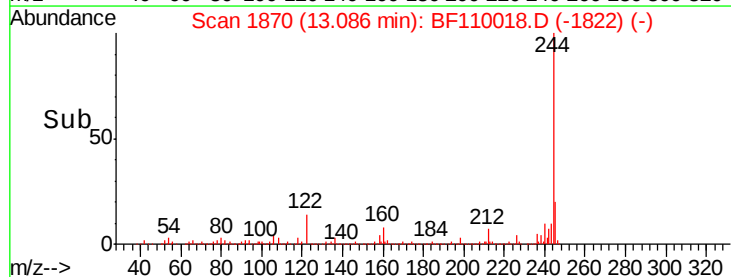
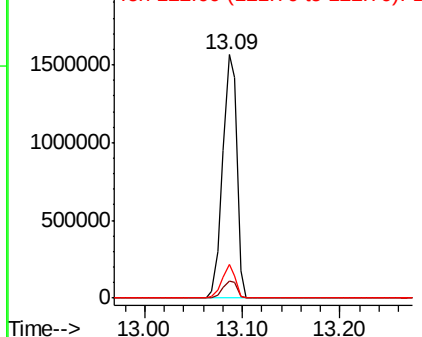


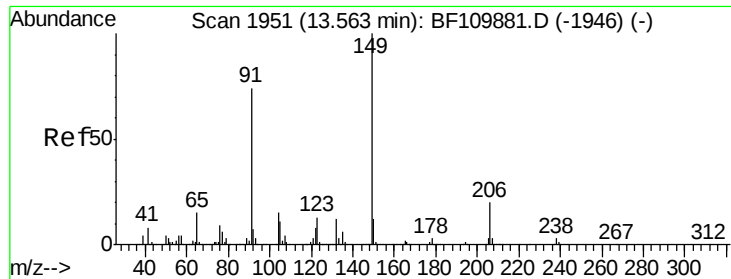
#79
Terphenyl-d14
Concen: 52535.179 ng
RT: 13.09 min Scan# 1870
Delta R.T. -0.02 min
Lab File: BF110018.D
Acq: 19 Oct 2018 22:18

Tgt Ion:244 Resp: 1581114
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.8
122 13.8 8.7 13.1#



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

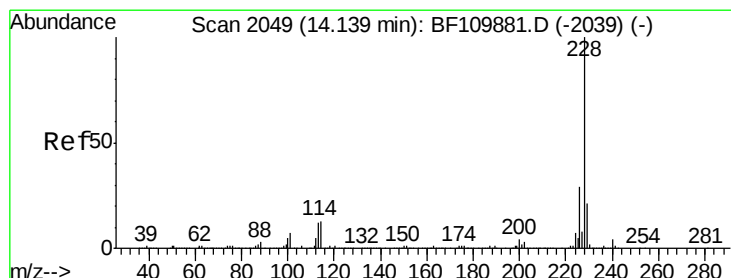
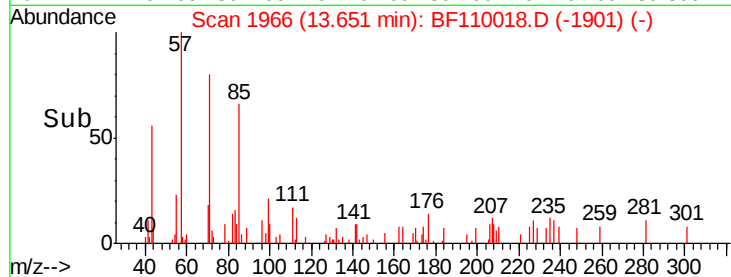
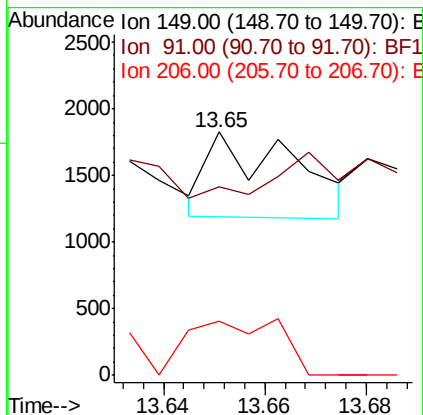
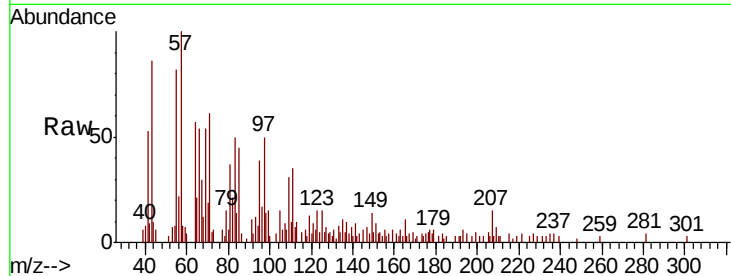




#80
Butylbenzylphthalate
Concen: 39.699 ng
RT: 13.65 min Scan# 1966
Delta R.T. 0.08 min
Lab File: BF110018.D
Acq: 19 Oct 2018 22:18

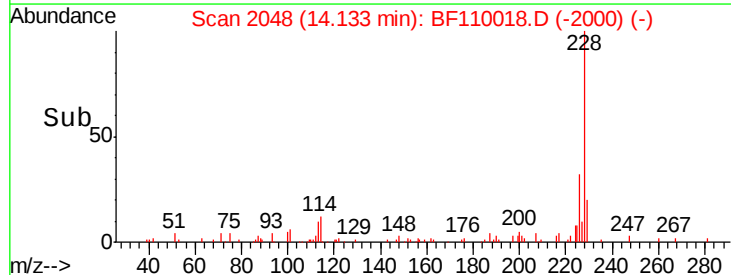
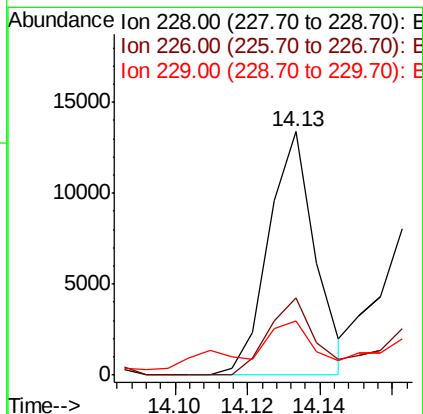
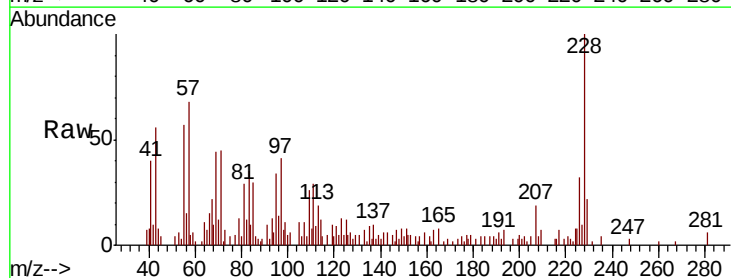
Instrument :
BNA_F
ClientSampled :

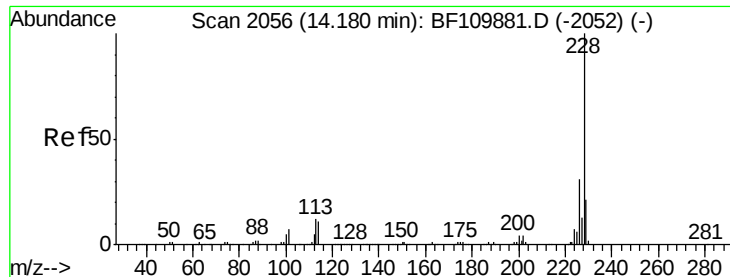
Tot Ion:149 Resp: 745
Ion Ratio Lower Upper
149 100
91 77.5 57.2 85.8
206 22.1 15.7 23.5



#81
Benzo(a)anthracene
Concen: 320.686 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.02 min
Lab File: BF110018.D
Acq: 19 Oct 2018 22:18

Tgt Ion:228 Resp: 11938
Ion Ratio Lower Upper
228 100
226 31.8 22.1 33.1
229 22.5 15.6 23.4





#83

Chrysene

Concen: 371.086 ng

RT: 14.17 min Scan# 2054

Delta R.T. -0.02 min

Lab File: BF110018.D

Acq: 19 Oct 2018 22:18

Instrument :

BNA_F

ClientSampleId :

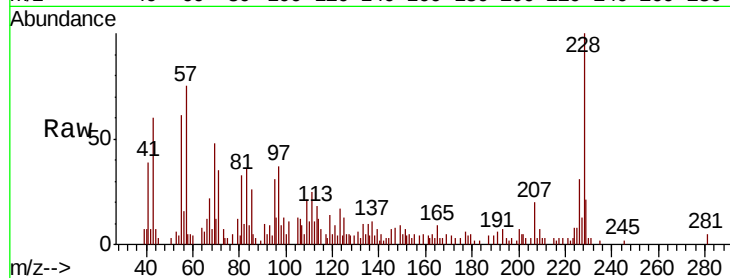
Tot Ion:228 Resp: 13149

Ion Ratio Lower Upper

228 100

226 31.4 24.7 37.1

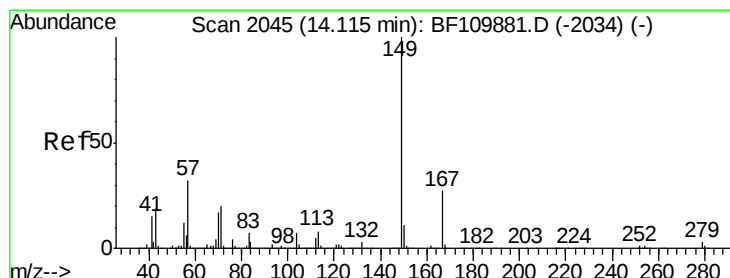
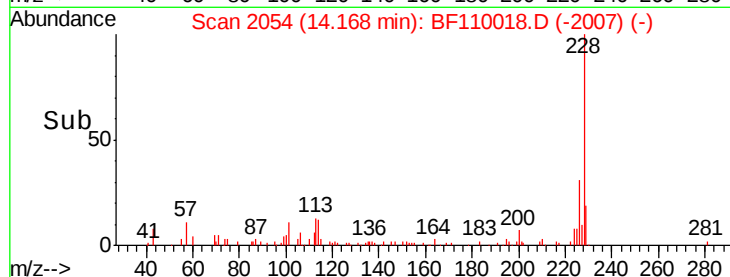
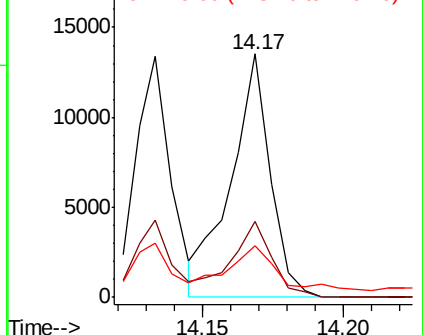
229 21.4 15.9 23.9



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 401.238 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.02 min

Lab File: BF110018.D

Acq: 19 Oct 2018 22:18

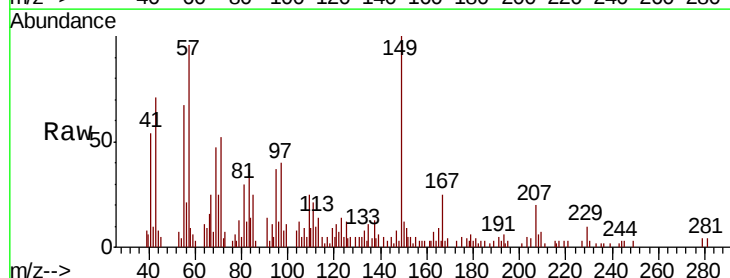
Tgt Ion:149 Resp: 9908

Ion Ratio Lower Upper

149 100

167 24.8 19.8 29.8

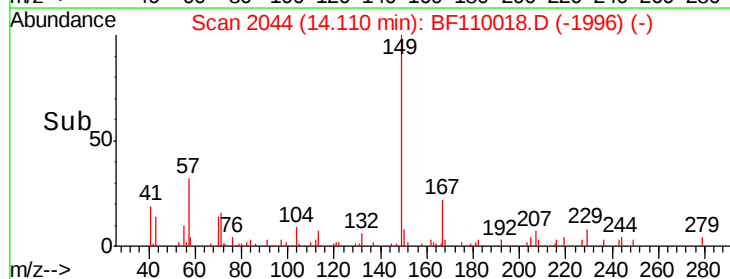
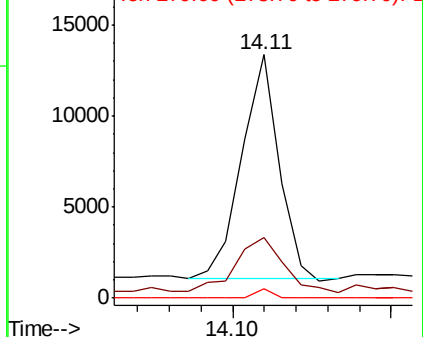
279 3.6 2.7 4.1

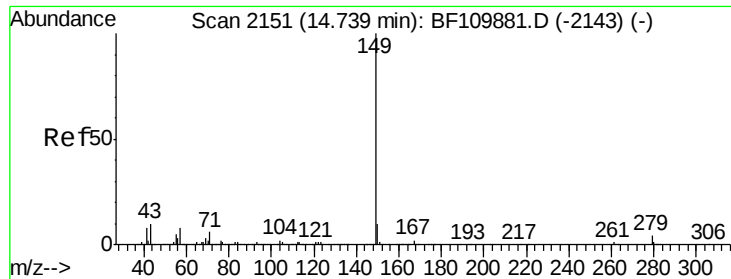


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 8.043 ng

RT: 14.70 min Scan# 2145

Delta R.T. -0.04 min

Lab File: BF110018.D

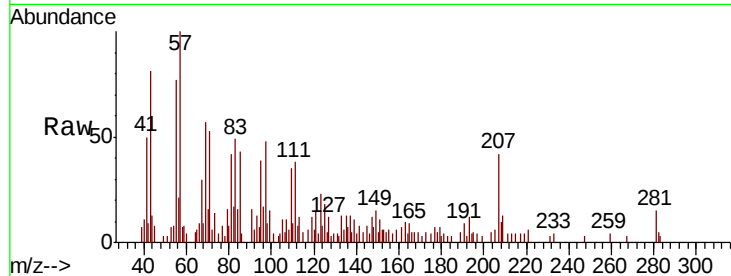
Acq: 19 Oct 2018 22:18

Instrument :

BNA_F

ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.1	1.7#
43	1286.4	7.8	11.8#

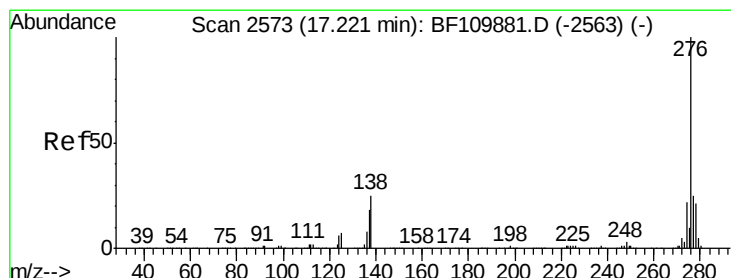
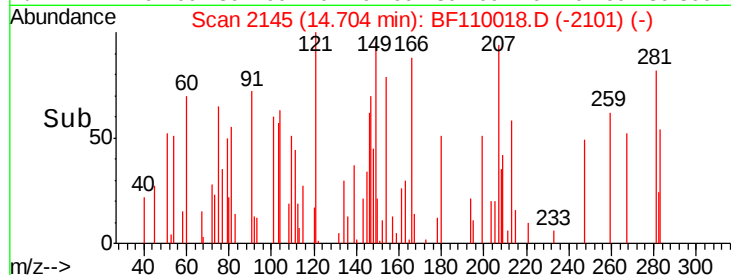
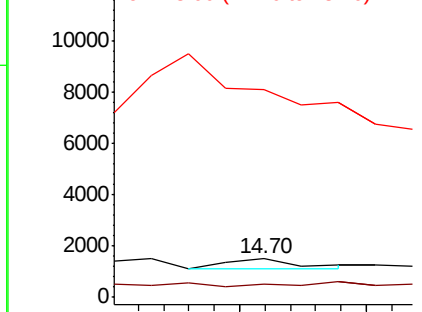


Abundance

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): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 204.103 ng

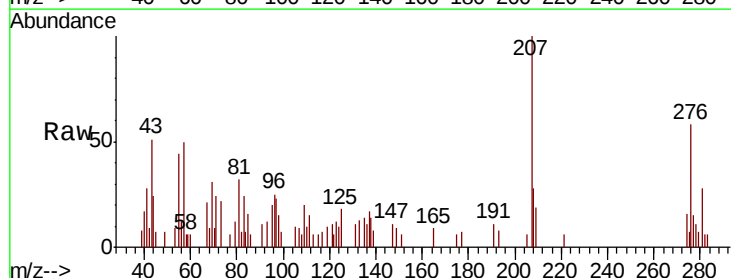
RT: 17.22 min Scan# 2572

Delta R.T. -0.05 min

Lab File: BF110018.D

Acq: 19 Oct 2018 22:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.3	18.5	27.7#
277	25.3	20.0	30.0

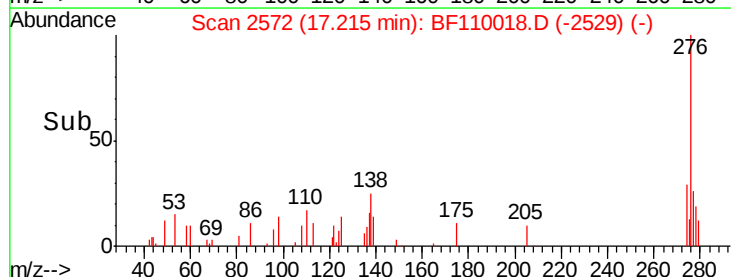
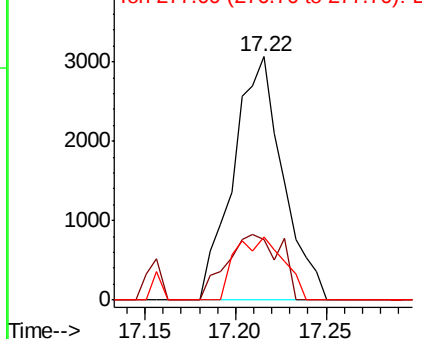


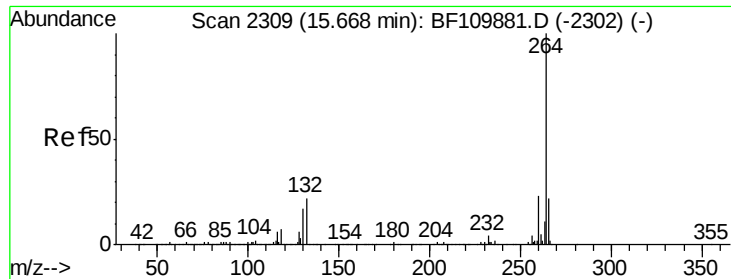
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2308

Delta R.T. -0.03 min

Lab File: BF110018.D

Acq: 19 Oct 2018 22:18

Instrument :

BNA_F

ClientSampleId :

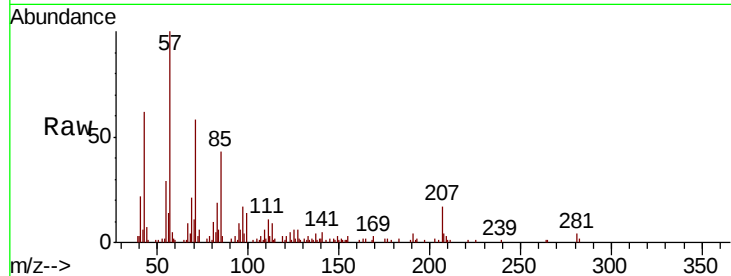
Tot Ion:264 Resp: 382

Ion Ratio Lower Upper

264 100

260 0.0 18.7 28.1#

265 72.5 16.7 25.1#

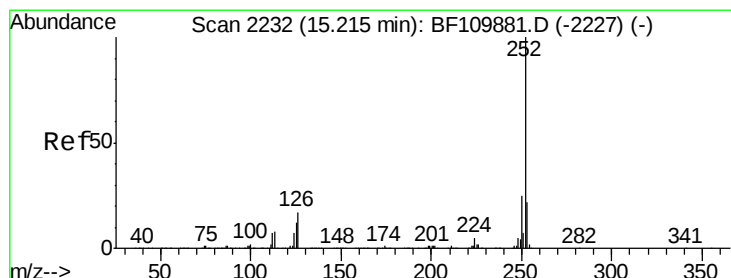
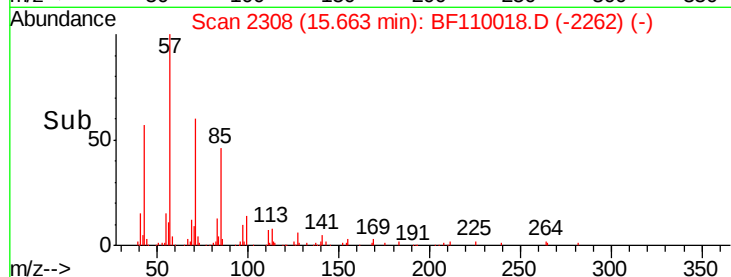
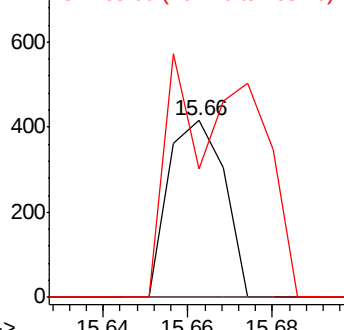


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 837.030 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.02 min

Lab File: BF110018.D

Acq: 19 Oct 2018 22:18

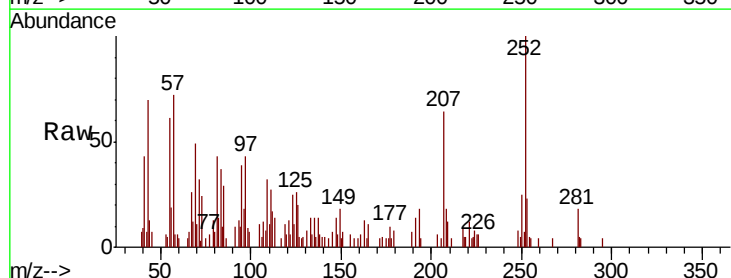
Tgt Ion:252 Resp: 18434

Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

125 26.0 8.2 12.4#

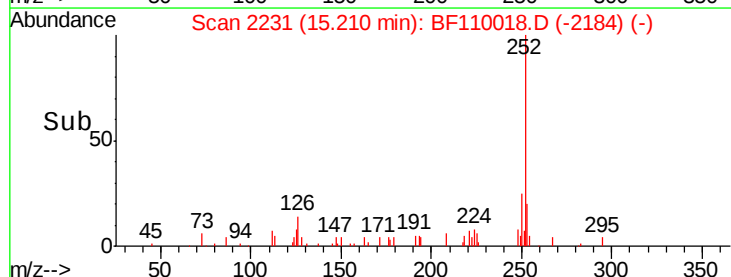
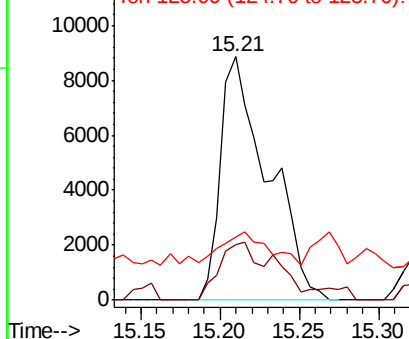


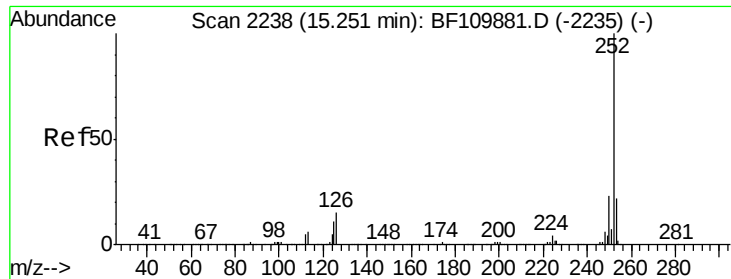
Abundance

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

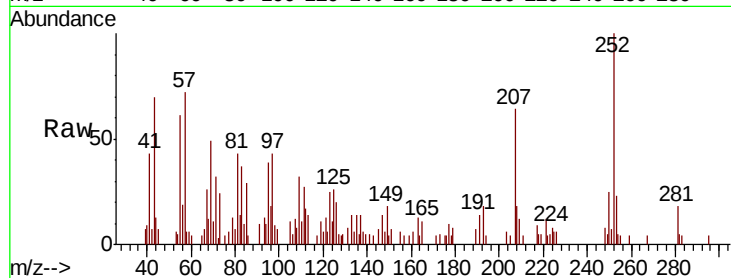




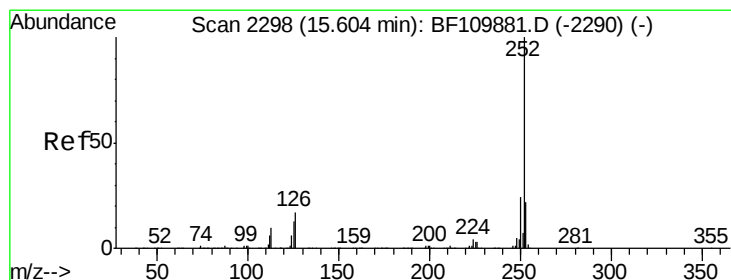
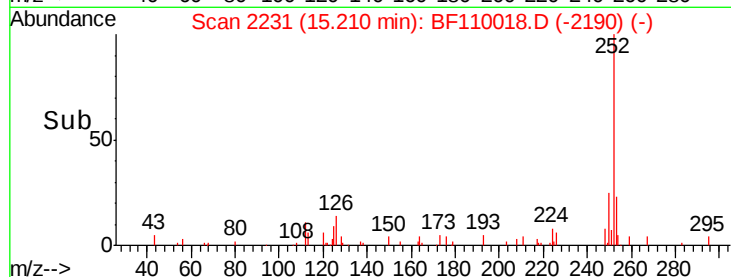
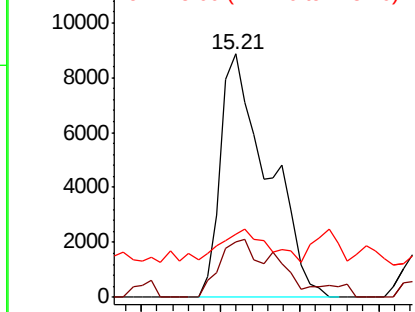
#89
Benzo(k)fluoranthene
Concen: 849.210 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.06 min
Lab File: BF110018.D
Acq: 19 Oct 2018 22:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 18434
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 26.0 7.4 11.0#

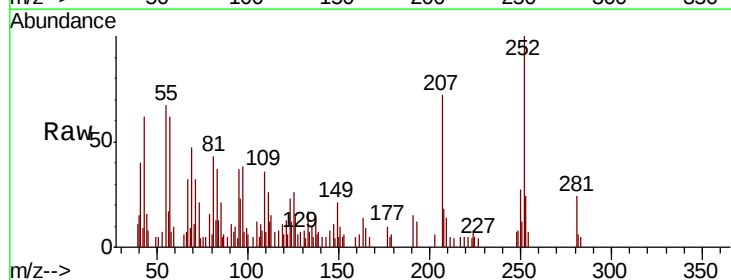


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

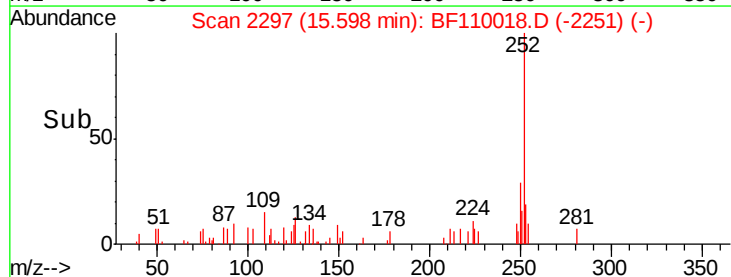
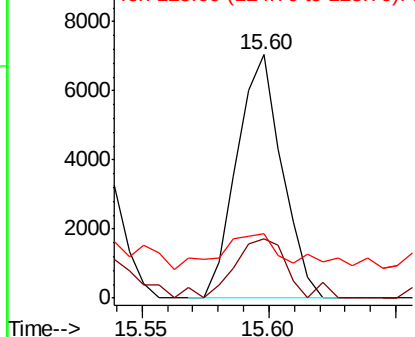


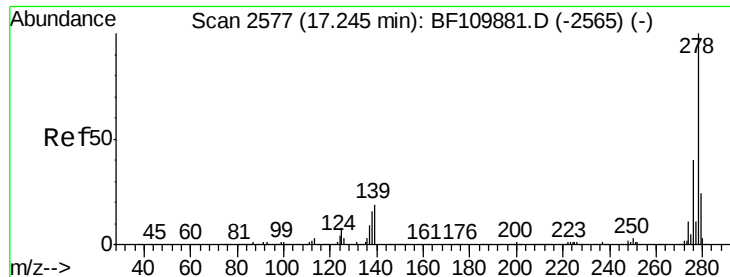
#90
Benzo(a)pyrene
Concen: 430.558 ng
RT: 15.60 min Scan# 2297
Delta R.T. -0.03 min
Lab File: BF110018.D
Acq: 19 Oct 2018 22:18

Tgt Ion:252 Resp: 8721
Ion Ratio Lower Upper
252 100
253 24.5 18.2 27.4
125 26.3 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





#91

Dibenzo(a,h)anthracene

Concen: 86.404 ng

RT: 17.23 min Scan# 2574

Delta R.T. -0.05 min

Lab File: BF110018.D

Acq: 19 Oct 2018 22:18

Instrument :

BNA_F

ClientSampleId :

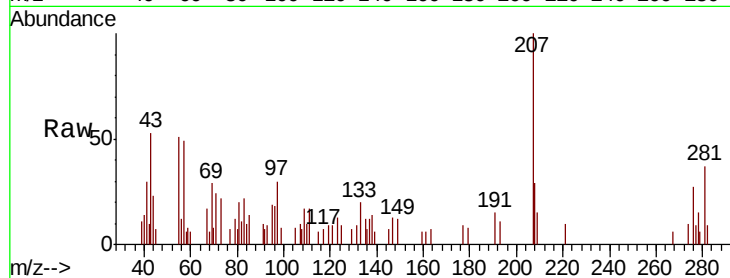
Tot Ion:278 Resp: 1551

Ion Ratio Lower Upper

278 100

139 43.3 12.7 19.1#

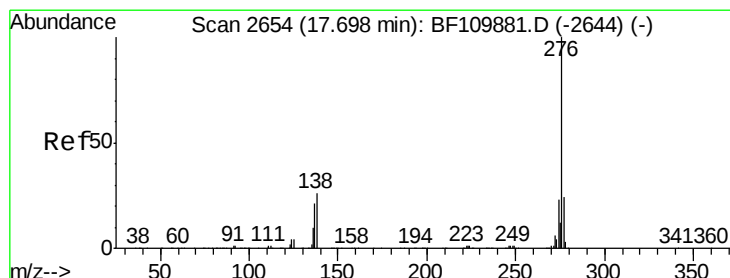
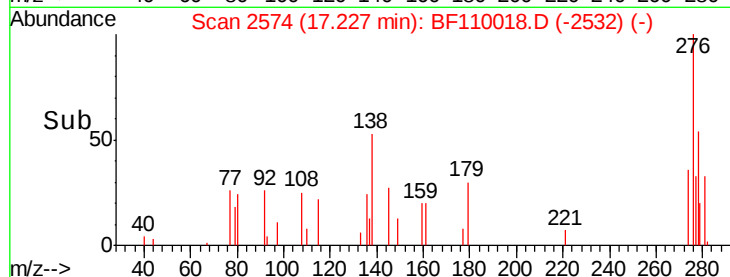
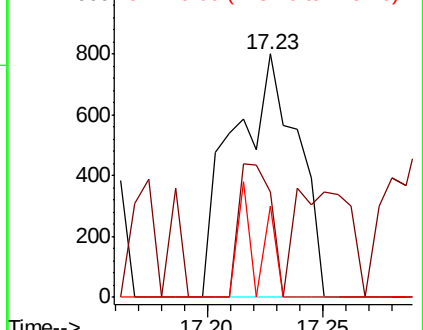
279 37.6 19.0 28.4#



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



#92

Benzo(g,h,i)perylene

Concen: 295.425 ng

RT: 17.68 min Scan# 2651

Delta R.T. -0.06 min

Lab File: BF110018.D

Acq: 19 Oct 2018 22:18

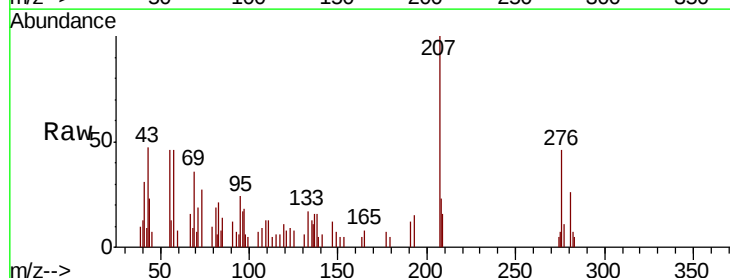
Tgt Ion:276 Resp: 5358

Ion Ratio Lower Upper

276 100

277 24.4 18.8 28.2

138 34.6 16.0 24.0#



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

