

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101818\
 Data File : BF109987.D
 Acq On : 19 Oct 2018 4:12
 Operator : JU/SJ
 Sample : J5579-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 7-1-ROLLOFFS

Quant Time: Oct 19 10:30:37 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	6.97	152	182644	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	651662	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	254080	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	441743	20.00	ng	0.00
76) Chrysene-d12	14.16	240	351659	20.00	ng	0.00
87) Perylene-d12	15.69	264	261295	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	974711	84.59	ng	0.00
7) Phenol-d6	6.60	99	1161395	81.17	ng	0.00
23) Nitrobenzene-d5	7.54	82	678473	70.14	ng	-0.01
42) 2,4,6-Tribromophenol	10.81	330	203665	92.59	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	1003291	63.01	ng	0.00
79) Terphenyl-d14	13.10	244	853137	50.94	ng	0.00

Target Compounds

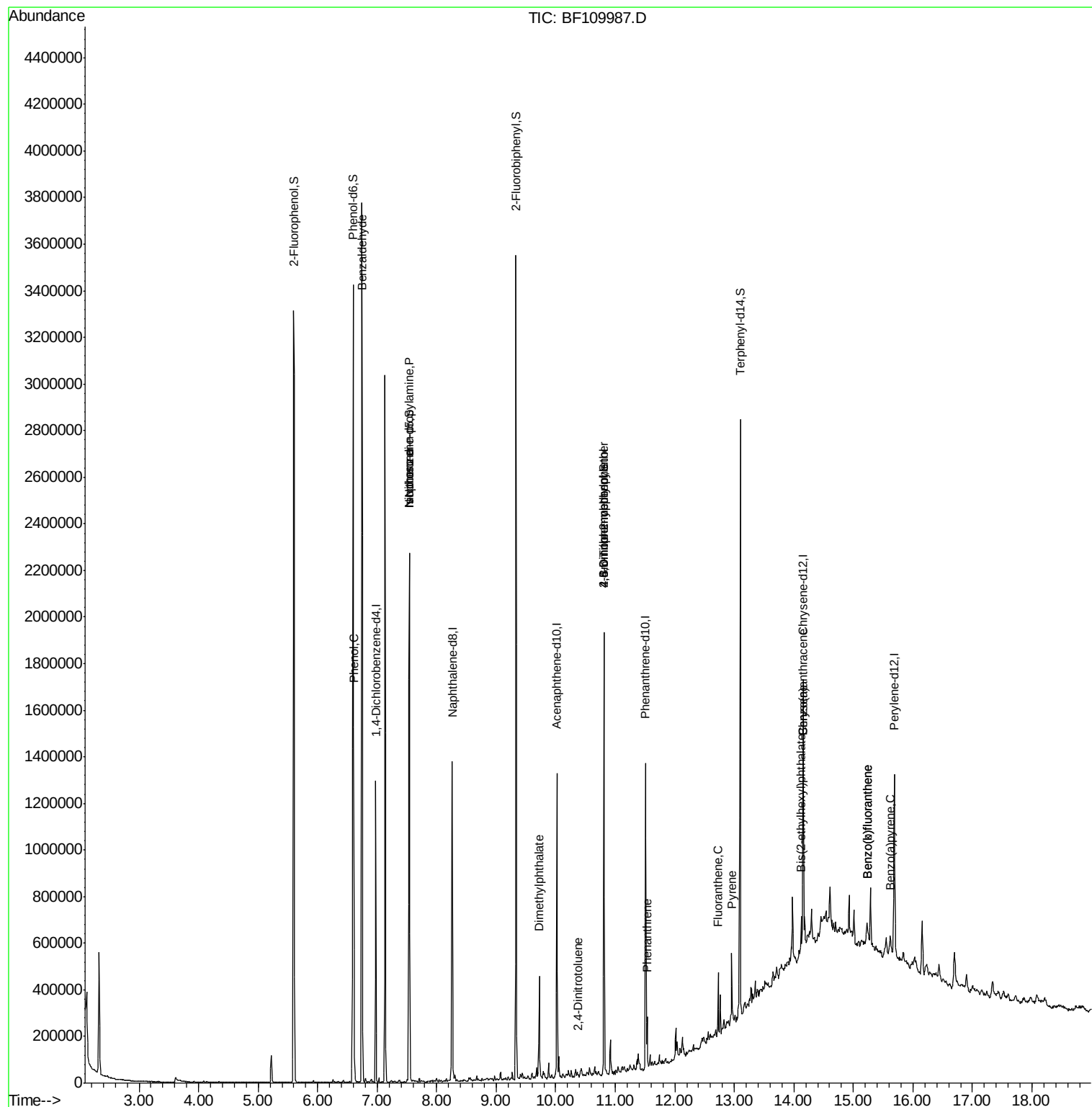
						Qvalue
9) Benzaldehyde	6.75	77	21179	2.278	ng	83
10) Phenol	6.61	94	124250	8.043	ng	# 62
19) n-Nitroso-di-n-propylamine	7.54	70	89458	9.738	ng	# 80
25) Isophorone	7.54	82	678461	35.694	ng	# 67
50) Dimethylphthalate	9.72	163	151507	8.421	ng	100
57) 2,4-Dinitrotoluene	10.38	165	1044	4.802	ng	# 17
65) 4,6-Dinitro-2-methylphenol	10.81	198	370	8.098	ng	# 1
67) 4-Bromophenyl-phenylether	10.81	248	12801	2.674	ng	# 1
71) Phenanthrene	11.53	178	69954	3.059	ng	99
75) Fluoranthene	12.73	202	91303	3.996	ng	98
78) Pyrene	12.96	202	107754	4.172	ng	98
81) Benzo(a)anthracene	14.14	228	53169	2.567	ng	# 90
83) Chrysene	14.14	228	53169	2.697	ng	94
84) Bis(2-ethylhexyl)phthalate	14.12	149	45267	3.295	ng	# 89
88) Benzo(b)fluoranthene	15.23	252	58497	3.883	ng	# 76
89) Benzo(k)fluoranthene	15.23	252	58497	3.940	ng	# 76
90) Benzo(a)pyrene	15.62	252	34727	2.506	ng	# 82

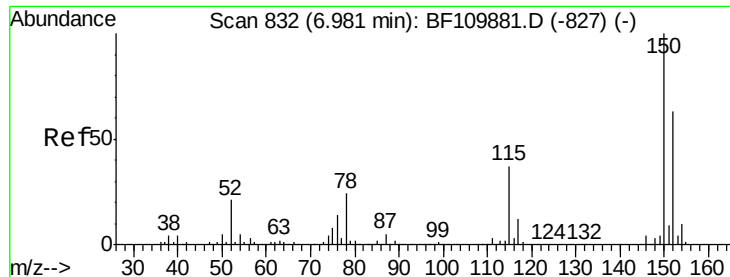
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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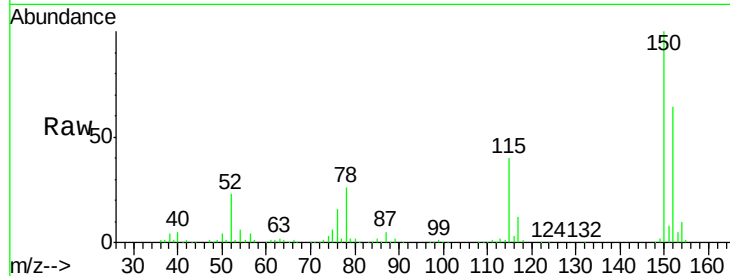


#1

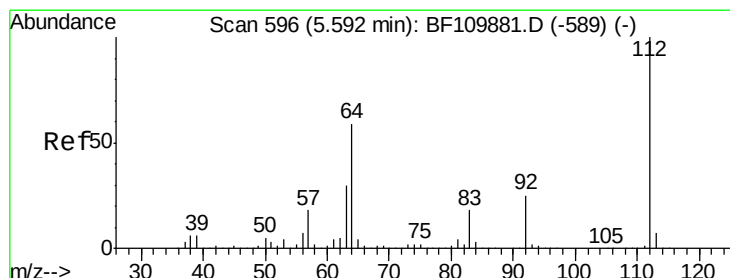
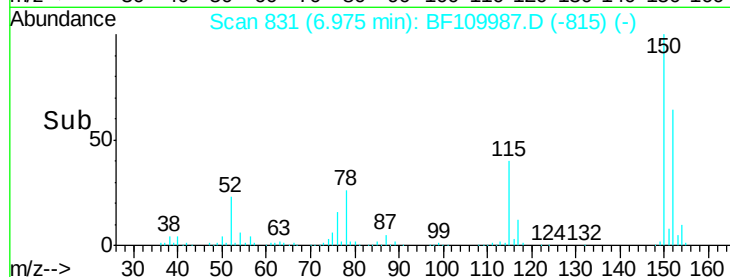
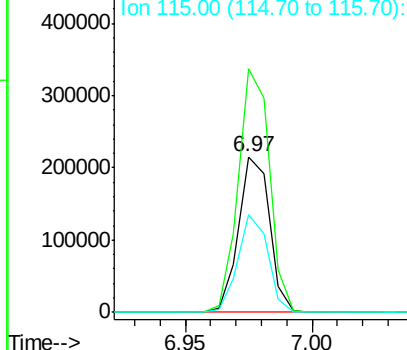
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF109987.D
Acq: 19 Oct 2018 4:12

Instrument :
BNA_F
ClientSampleId :
7-1-ROLLOFFS

Tgt Ion:152 Resp: 182644
Ion Ratio Lower Upper
152 100
150 156.8 122.7 184.1
115 62.7 49.1 73.7



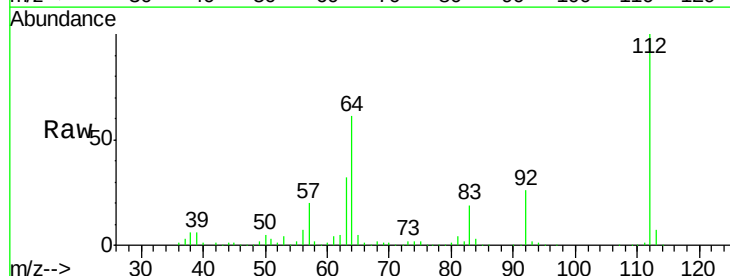
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



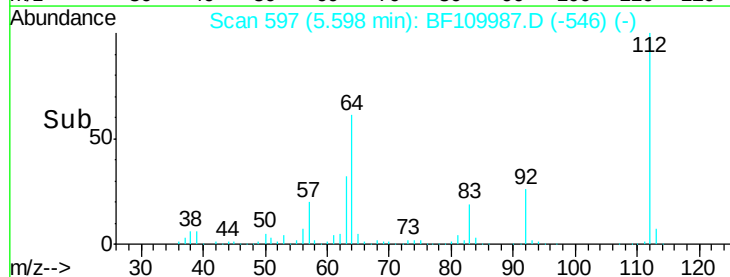
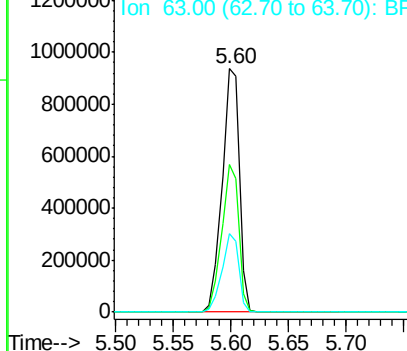
#5

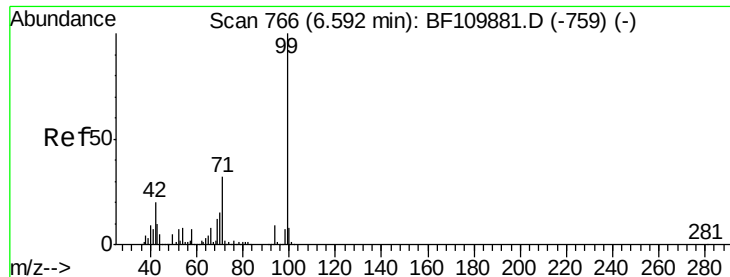
2-Fluorophenol
Concen: 84.593 ng
RT: 5.60 min Scan# 597
Delta R.T. -0.00 min
Lab File: BF109987.D
Acq: 19 Oct 2018 4:12

Tgt Ion:112 Resp: 974711
Ion Ratio Lower Upper
112 100
64 60.7 44.1 66.1
63 32.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 81.173 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF109987.D

Acq: 19 Oct 2018 4:12

Instrument :

BNA_F

ClientSampleId :

7-1-ROLLOFFS

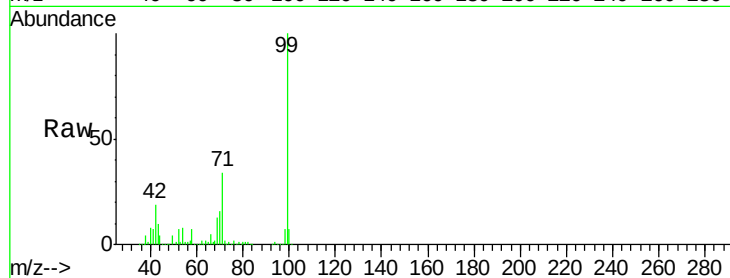
Tgt Ion: 99 Resp: 1161395

Ion Ratio Lower Upper

99 100

42 19.0 15.8 23.6

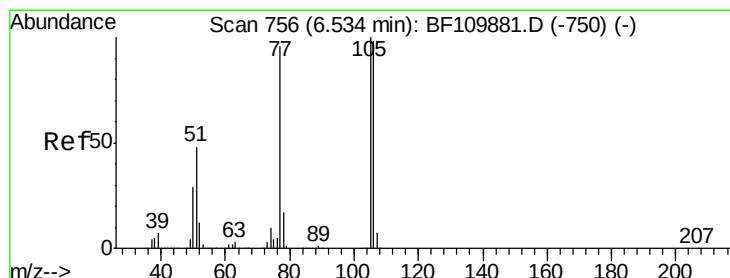
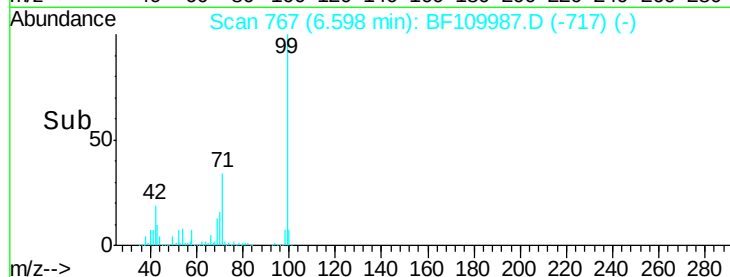
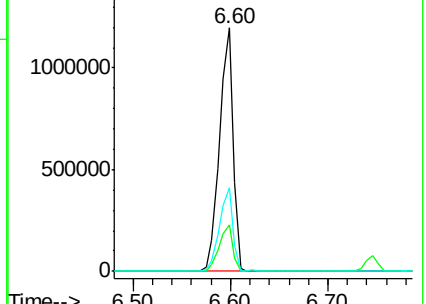
71 34.4 28.0 42.0



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: 2.278 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.21 min

Lab File: BF109987.D

Acq: 19 Oct 2018 4:12

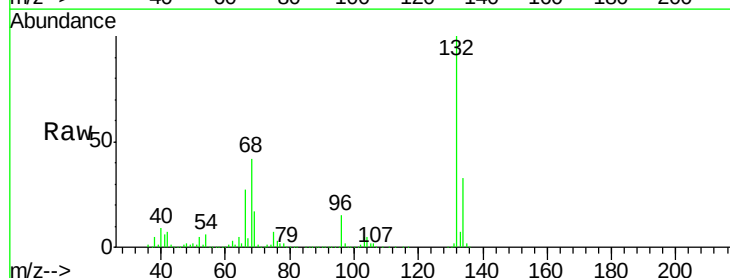
Tgt Ion: 77 Resp: 21179

Ion Ratio Lower Upper

77 100

105 82.1 78.6 118.6

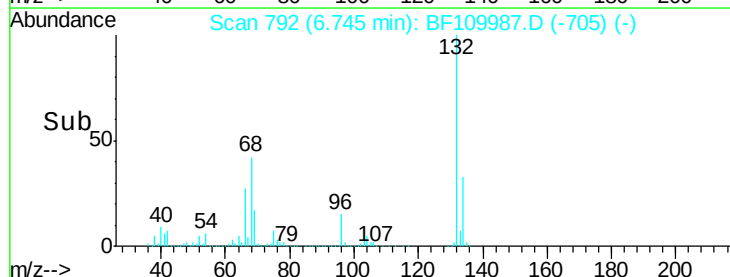
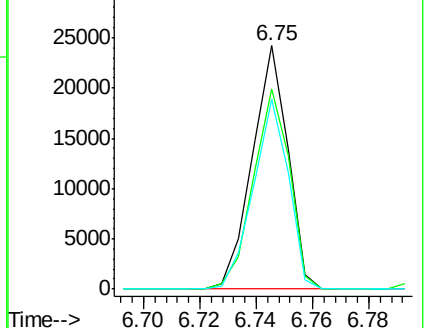
106 78.1 74.8 114.8

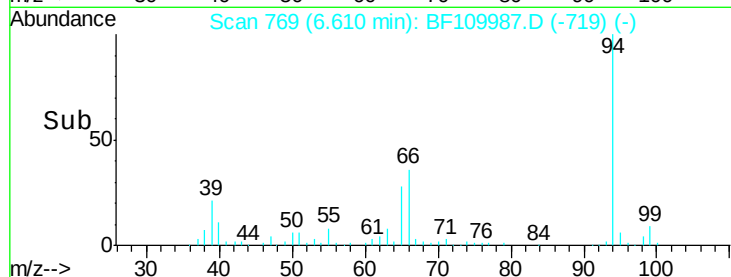
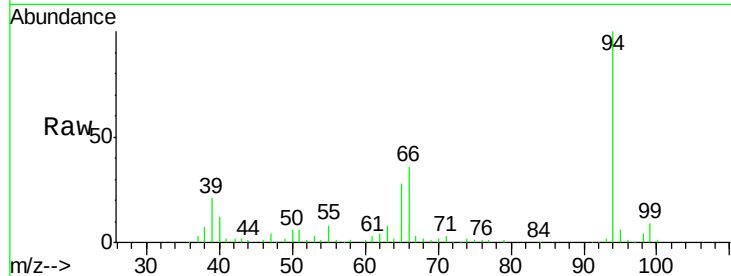
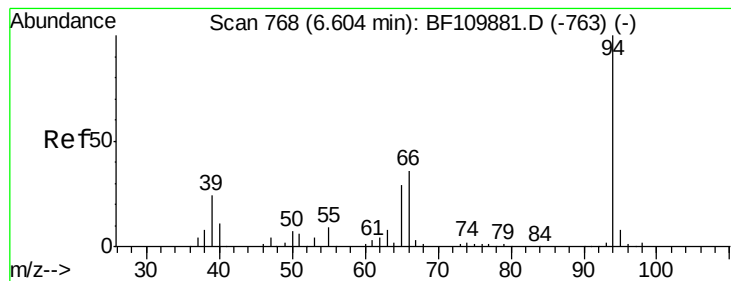


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 8.043 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF109987.D

Acq: 19 Oct 2018 4:12

Instrument :

BNA_F

ClientSampleId :

7-1-ROLLOFFS

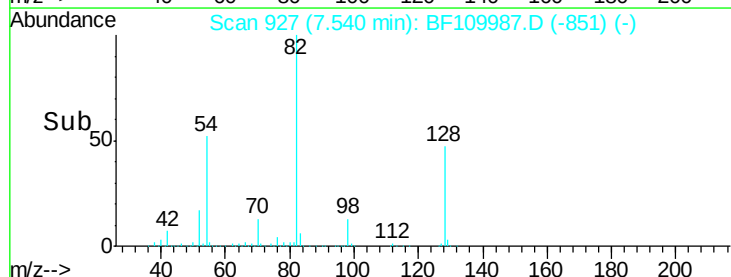
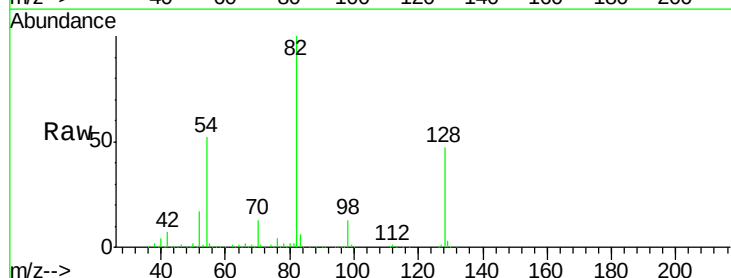
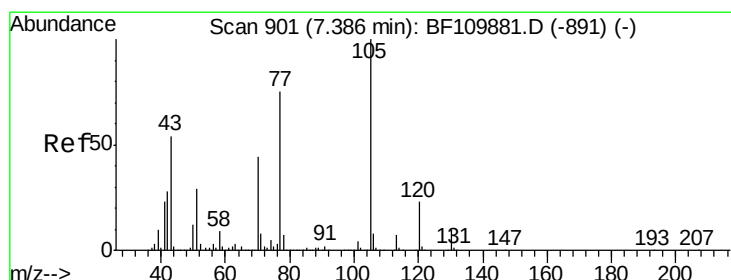
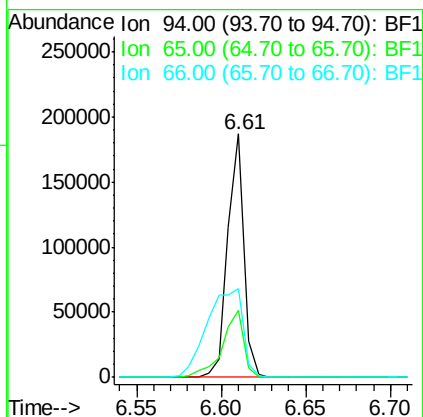
Tgt Ion: 94 Resp: 124250

Ion Ratio Lower Upper

94 100

65 27.7 25.3 65.3

66 36.2 54.5 94.5#



#19

n-Nitroso-di-n-propylamine

Concen: 9.738 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.15 min

Lab File: BF109987.D

Acq: 19 Oct 2018 4:12

Tgt Ion: 70 Resp: 89458

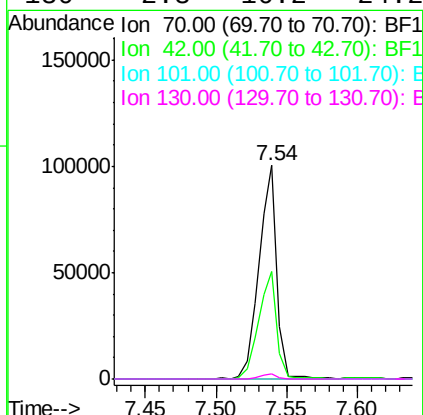
Ion Ratio Lower Upper

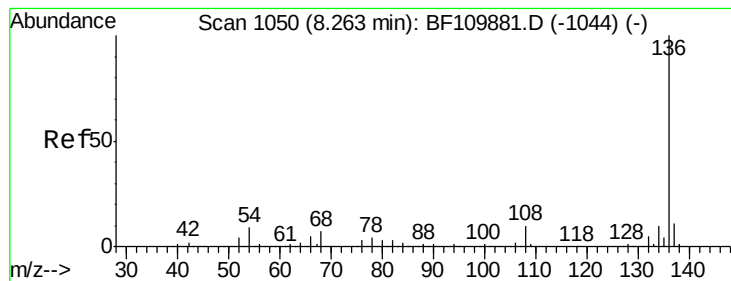
70 100

42 50.2 47.4 71.2

101 0.0 7.3 10.9#

130 2.3 16.2 24.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BF109987.D

Acq: 19 Oct 2018 4:12

Instrument :

BNA_F

ClientSampleId :

7-1-ROLLOFFS

Tgt Ion: 136 Resp: 651662

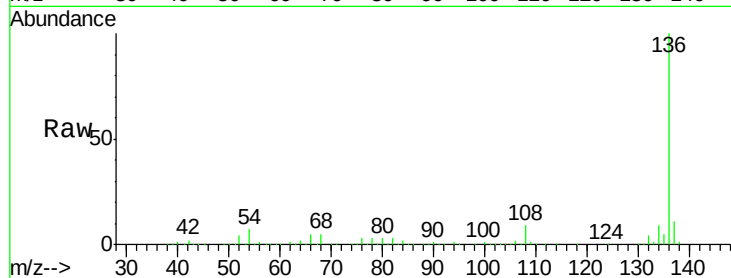
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 7.4 5.4 8.2

68 5.3 4.2 6.2

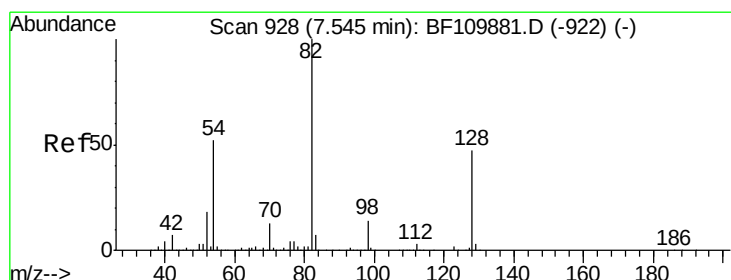
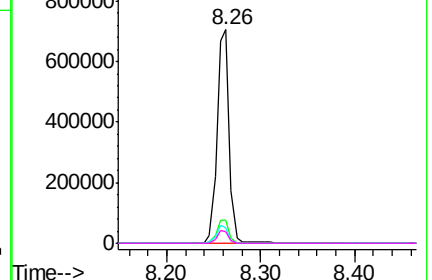
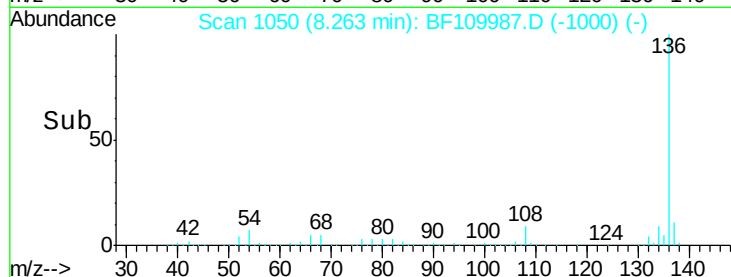


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 70.135 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.01 min

Lab File: BF109987.D

Acq: 19 Oct 2018 4:12

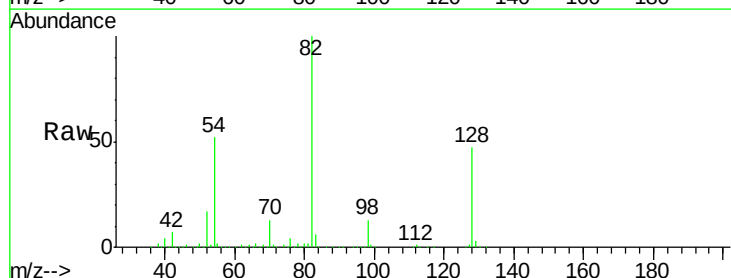
Tgt Ion: 82 Resp: 678473

Ion Ratio Lower Upper

82 100

128 47.4 34.2 51.2

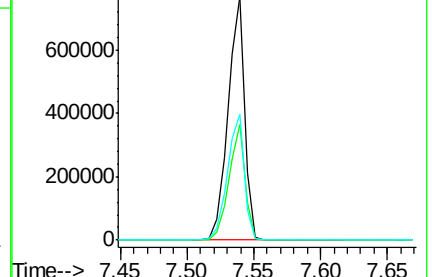
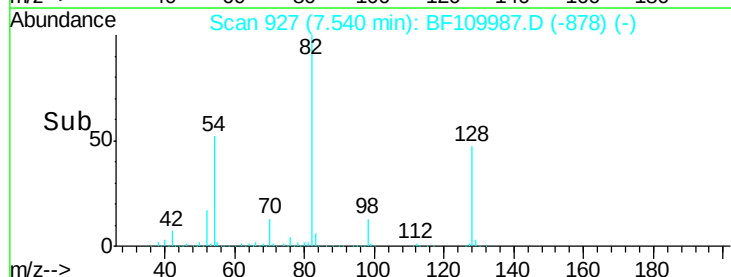
54 51.6 38.6 58.0

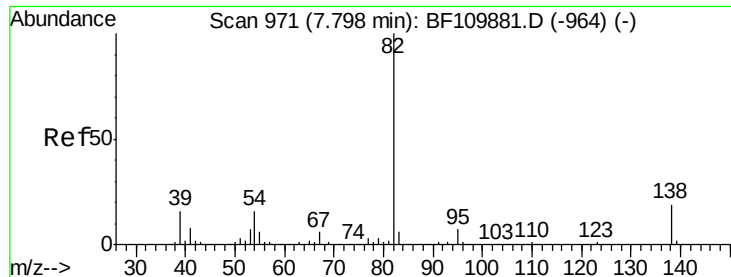


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.694 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.26 min

Lab File: BF109987.D

Acq: 19 Oct 2018 4:12

Instrument :

BNA_F

ClientSampleId :

7-1-ROLLOFFS

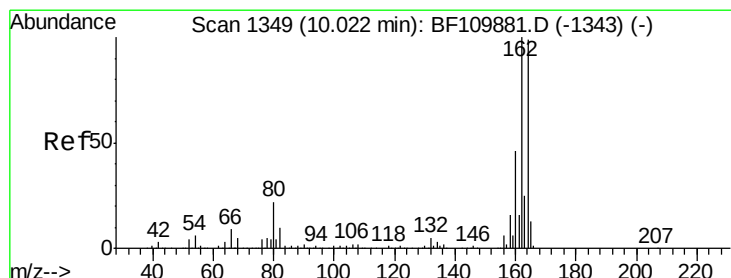
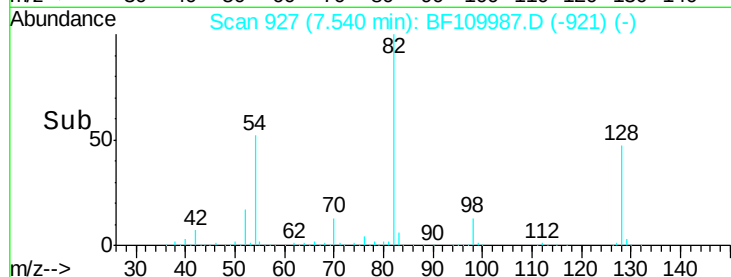
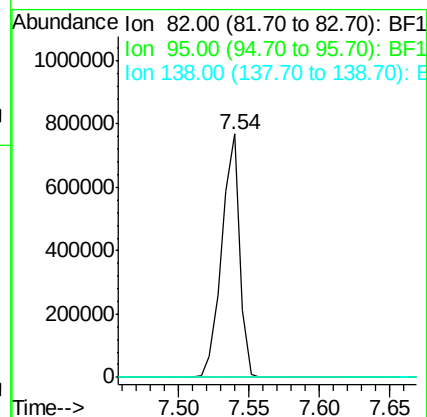
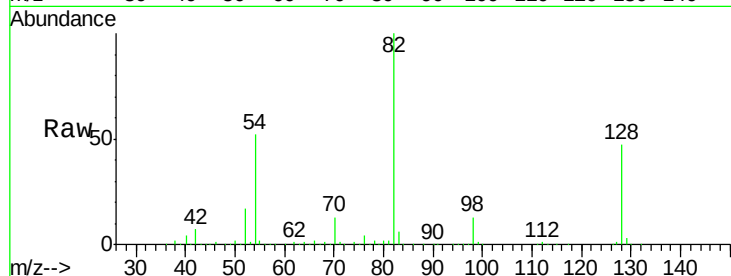
Tgt Ion: 82 Resp: 678461

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 13.2 19.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1349

Delta R.T. -0.01 min

Lab File: BF109987.D

Acq: 19 Oct 2018 4:12

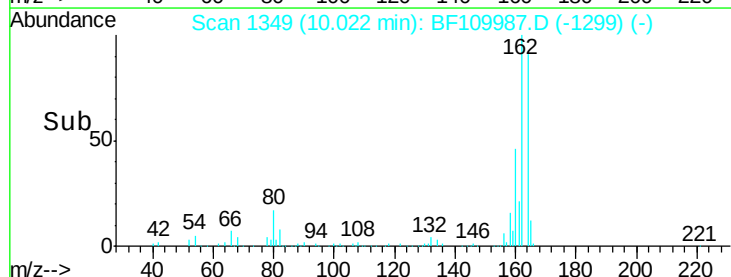
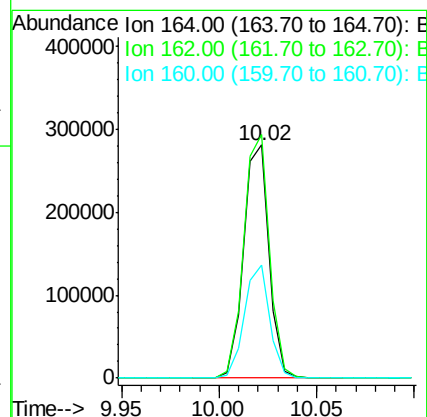
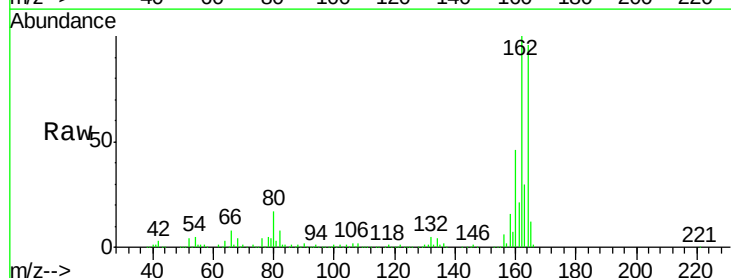
Tgt Ion: 164 Resp: 254080

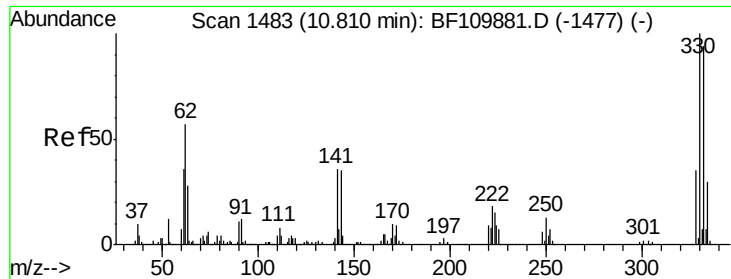
Ion Ratio Lower Upper

164 100

162 104.5 83.0 124.6

160 48.4 37.0 55.6

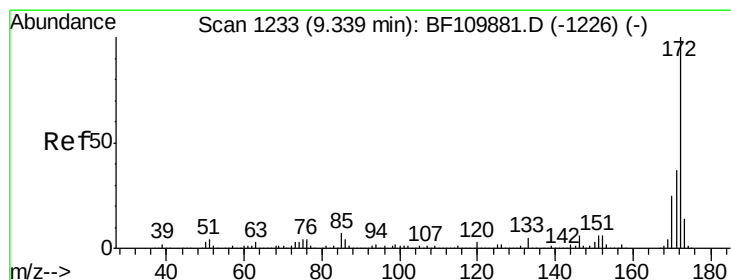
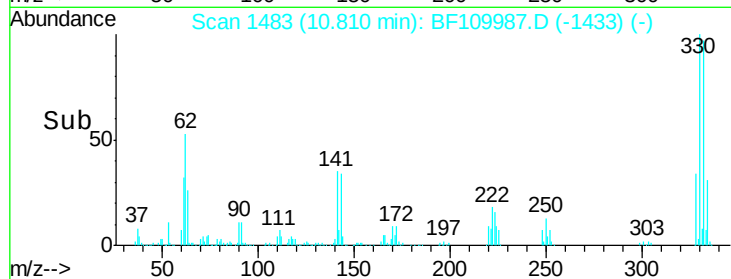
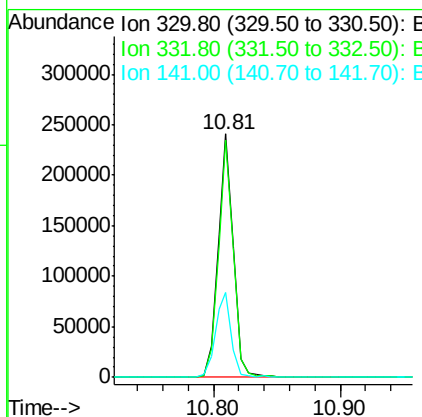
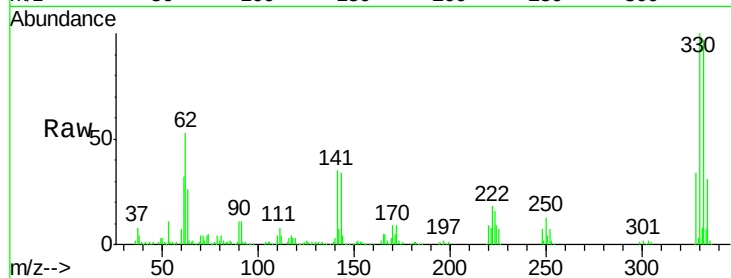




#42
 2,4,6-Tribromophenol
 Concen: 92.585 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: BF109987.D
 Acq: 19 Oct 2018 4:12

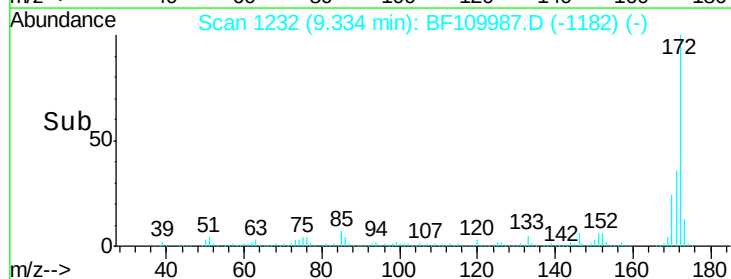
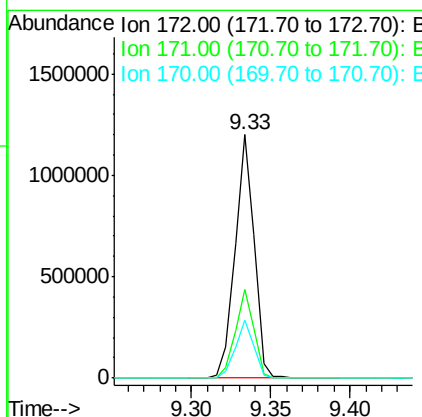
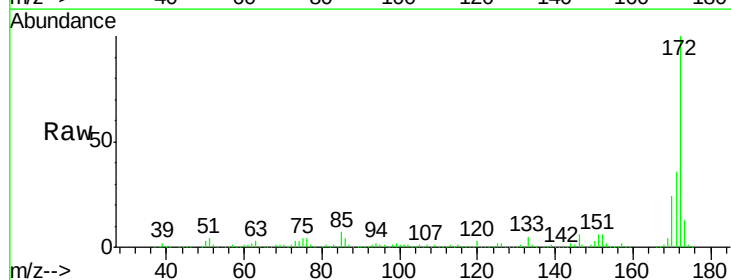
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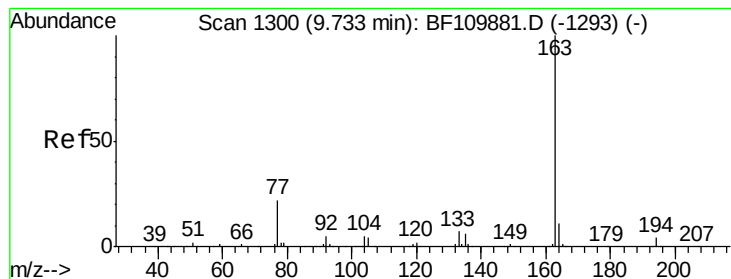
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.1	115.7
141	37.1	27.0	40.4



#45
 2-Fluorobiphenyl
 Concen: 63.008 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: BF109987.D
 Acq: 19 Oct 2018 4:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.6	43.0
170	23.9	19.7	29.5





#50

Dimethylphthalate

Concen: 8.421 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BF109987.D

Acq: 19 Oct 2018 4:12

Instrument :

BNA_F

ClientSampleId :

7-1-ROLLOFFS

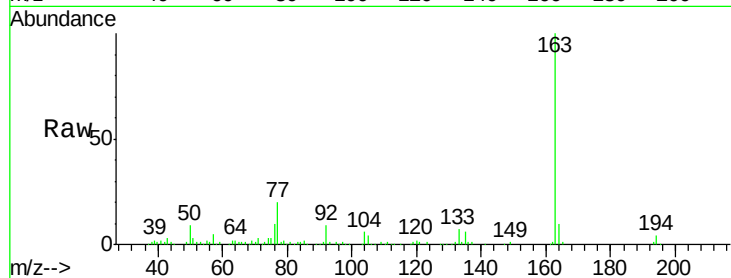
Tgt Ion:163 Resp: 151507

Ion Ratio Lower Upper

163 100

194 3.7 3.2 4.8

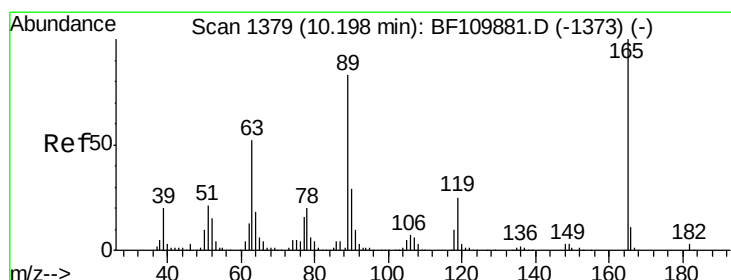
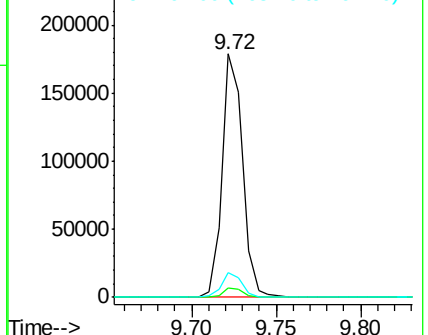
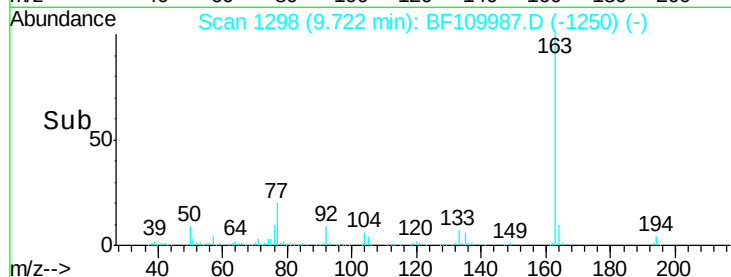
164 10.1 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 4.802 ng

RT: 10.38 min Scan# 1410

Delta R.T. 0.17 min

Lab File: BF109987.D

Acq: 19 Oct 2018 4:12

Tgt Ion:165 Resp: 1044

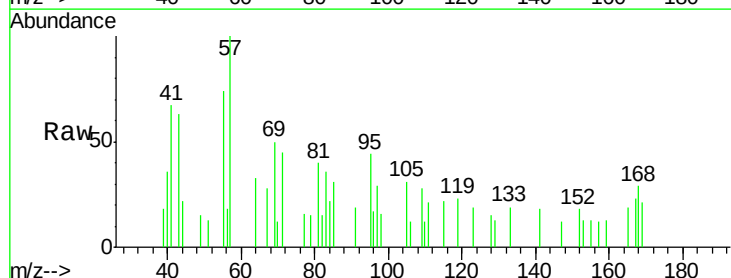
Ion Ratio Lower Upper

165 100

63 0.0 44.8 67.2#

89 0.0 62.2 93.4#

182 0.0 2.1 3.1#

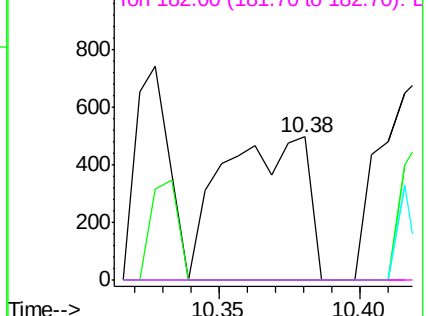
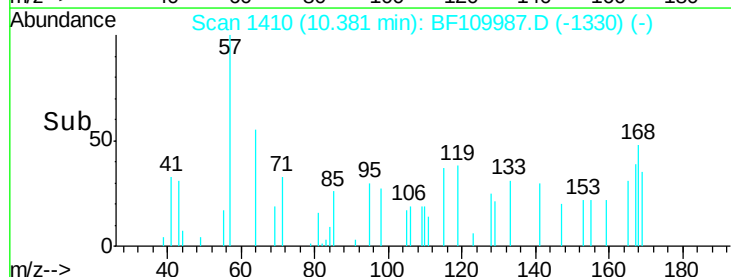


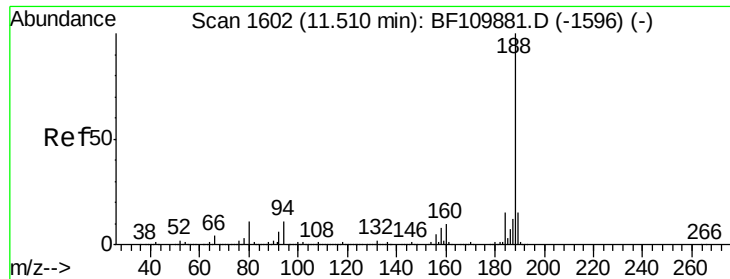
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.01 min

Lab File: BF109987.D

Acq: 19 Oct 2018 4:12

Instrument :

BNA_F

ClientSampleId :

7-1-ROLLOFFS

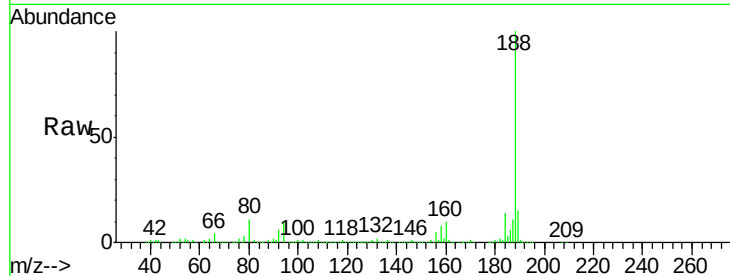
Tgt Ion:188 Resp: 441743

Ion Ratio Lower Upper

188 100

94 10.2 7.2 10.8

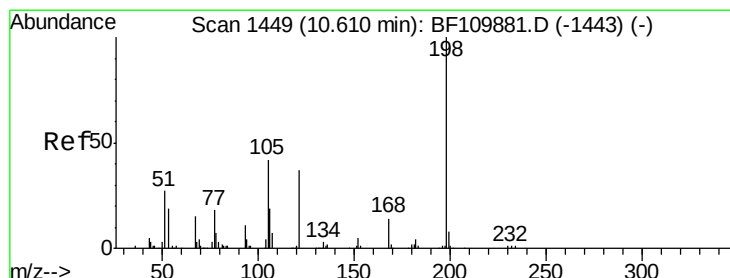
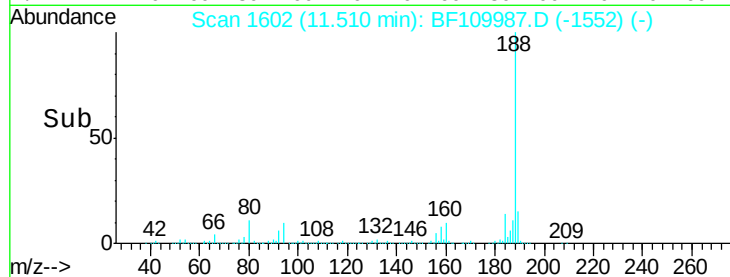
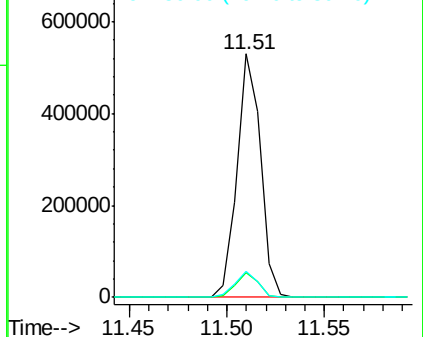
80 10.8 7.9 11.9



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: 8.098 ng

RT: 10.81 min Scan# 1483

Delta R.T. 0.19 min

Lab File: BF109987.D

Acq: 19 Oct 2018 4:12

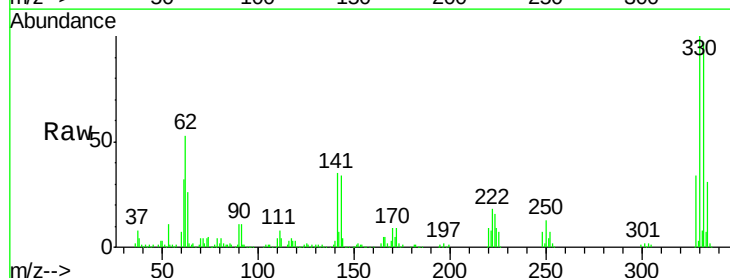
Tgt Ion:198 Resp: 370

Ion Ratio Lower Upper

198 100

51 211.9 22.8 62.8#

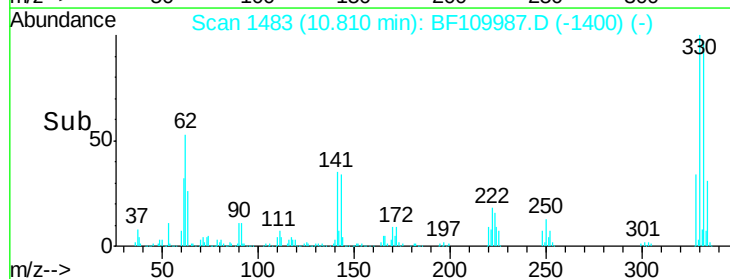
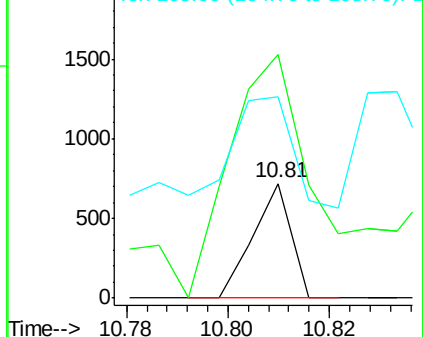
105 175.7 23.6 63.6#

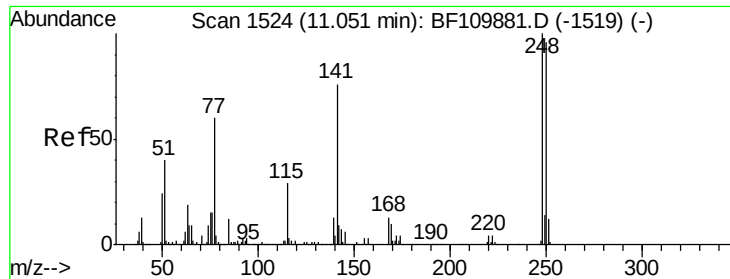


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

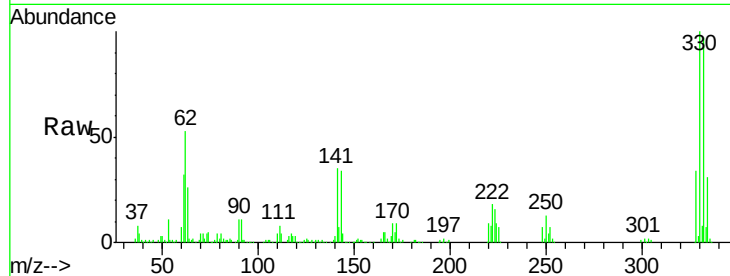




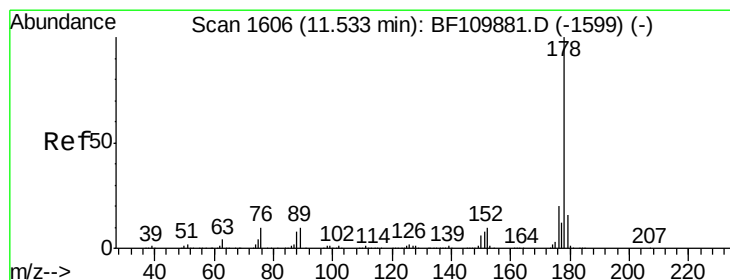
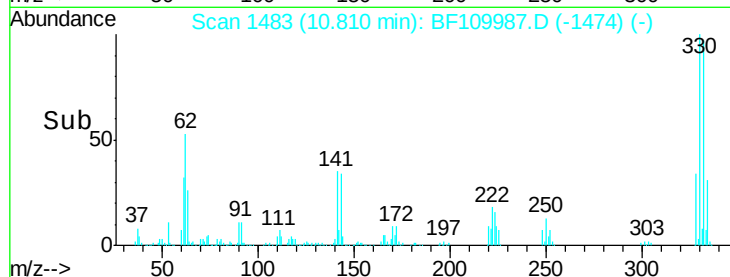
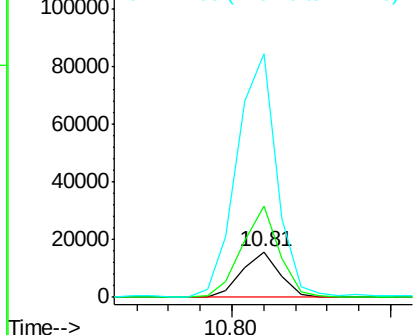
#67
 4-Bromophenyl-phenylether
 Concen: 2.674 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.25 min
 Lab File: BF109987.D
 Acq: 19 Oct 2018 4:12

Instrument :
 BNA_F
 ClientSampleId :
 7-1-ROLLOFFS

Tgt Ion: 248 Resp: 12801
 Ion Ratio Lower Upper
 248 100
 250 200.4 79.4 119.2#
 141 537.4 55.9 83.9#

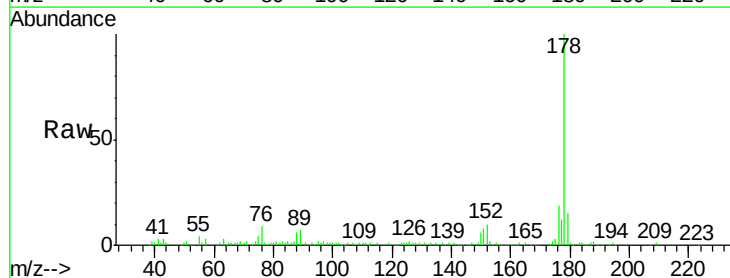


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

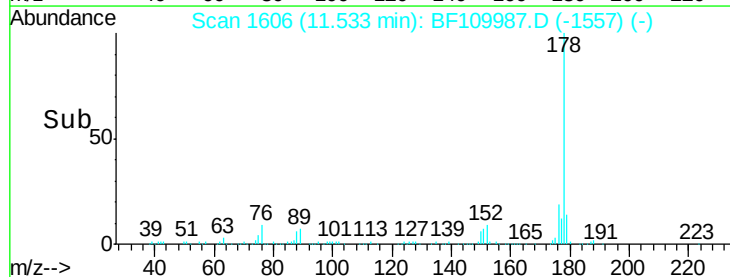
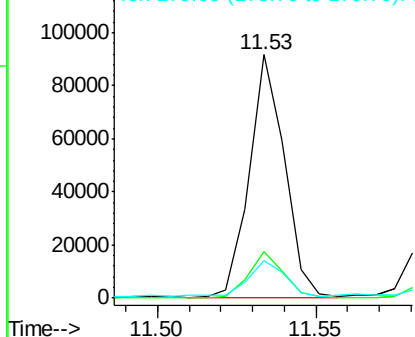


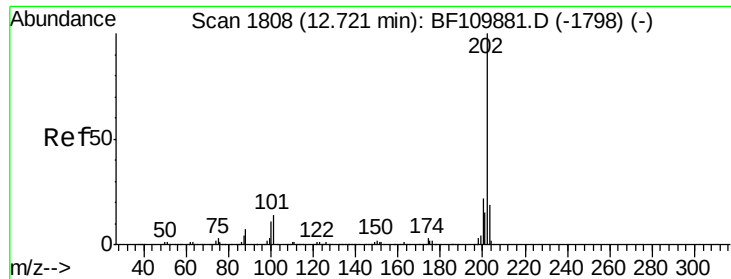
#71
 Phenanthrene
 Concen: 3.059 ng
 RT: 11.53 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BF109987.D
 Acq: 19 Oct 2018 4:12

Tgt Ion: 178 Resp: 69954
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.5 23.3
 179 15.2 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





#75

Fluoranthene

Concen: 3.996 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF109987.D

Acq: 19 Oct 2018 4:12

Instrument :

BNA_F

ClientSampleId :

7-1-ROLLOFFS

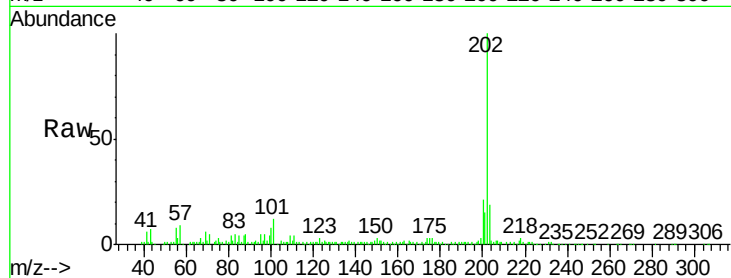
Tgt Ion: 202 Resp: 91303

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.4

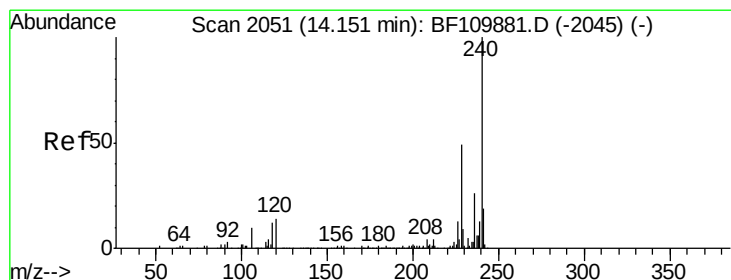
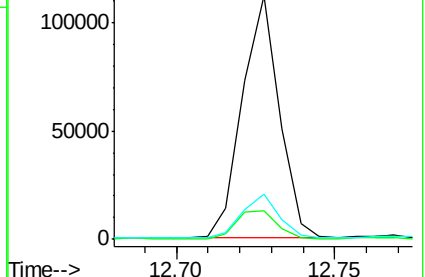
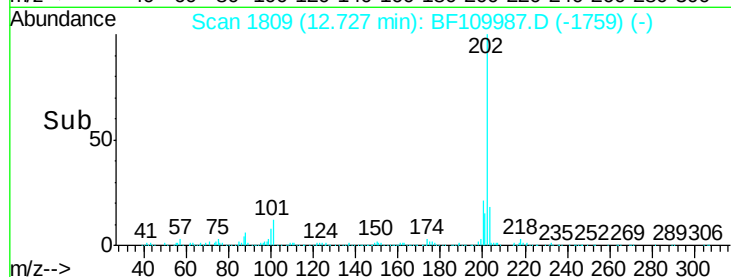
203 18.6 0.0 37.7



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: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF109987.D

Acq: 19 Oct 2018 4:12

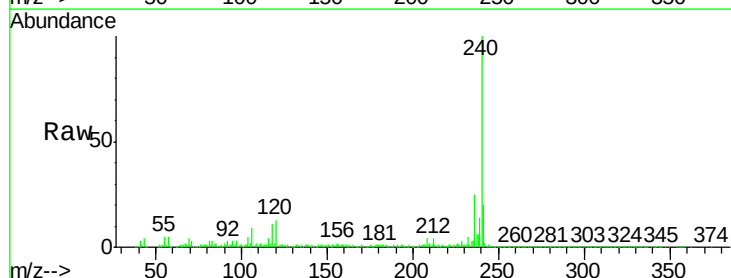
Tgt Ion: 240 Resp: 351659

Ion Ratio Lower Upper

240 100

120 12.6 8.3 12.5#

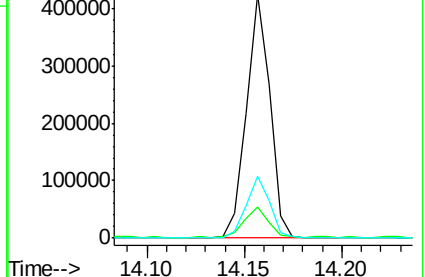
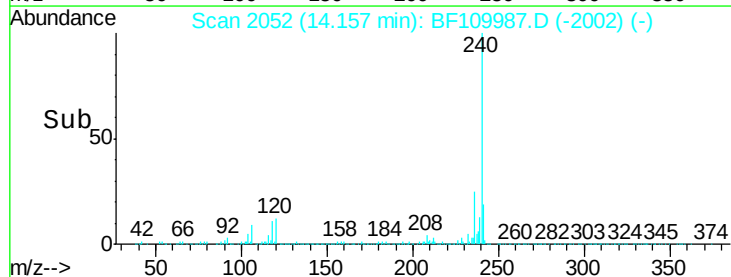
236 25.4 21.2 31.8

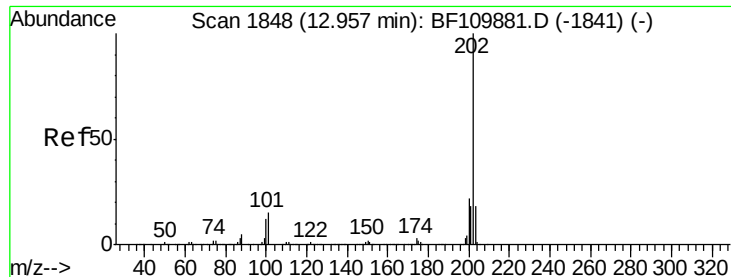


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

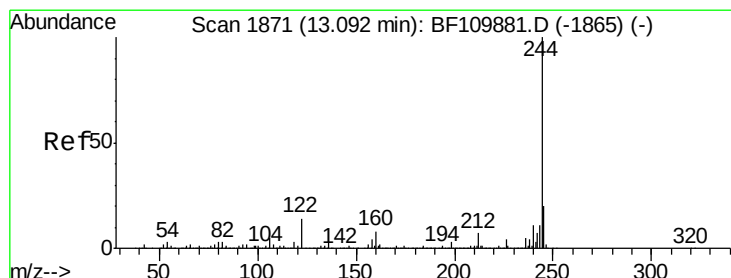
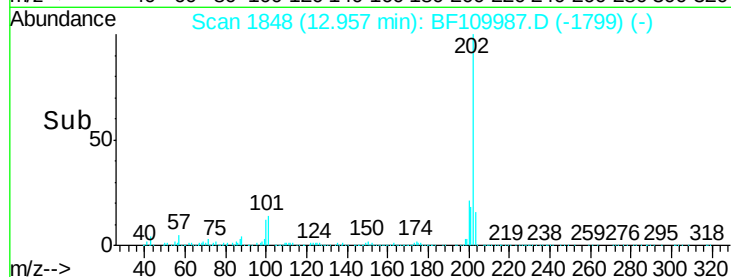
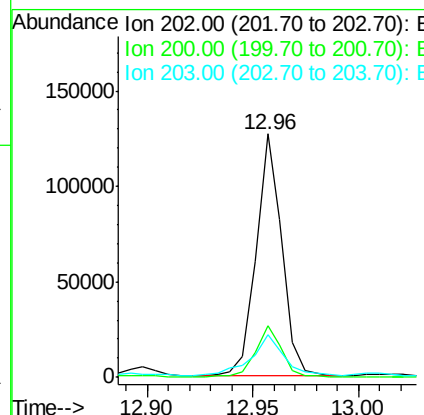
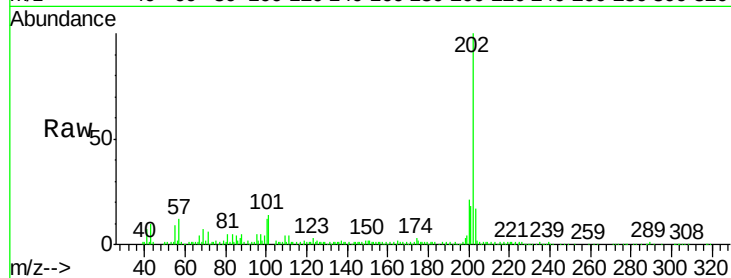




#78
 Pyrene
 Concen: 4.172 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF109987.D
 Acq: 19 Oct 2018 4:12

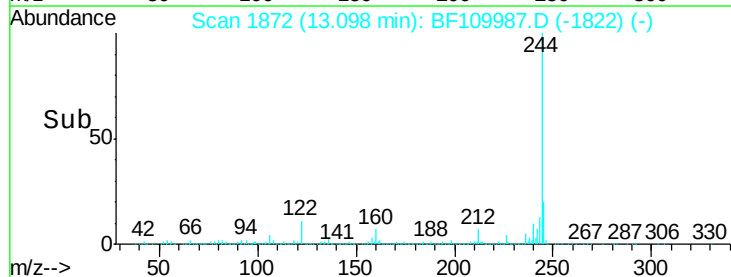
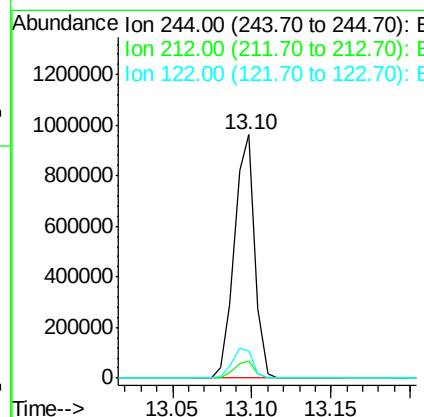
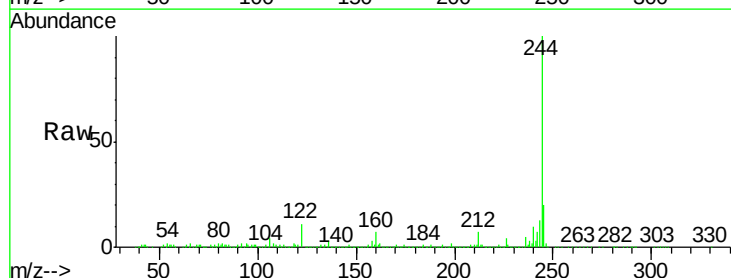
Instrument :
 BNA_F
 ClientSampleId :
 7-1-ROLLOFFS

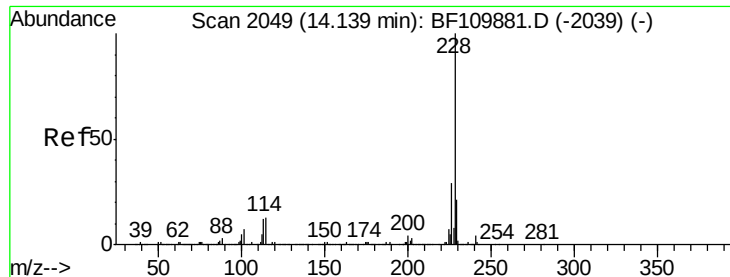
Tgt Ion: 202 Resp: 107754
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.8 26.6
 203 17.3 14.2 21.4



#79
 Terphenyl-d14
 Concen: 50.945 ng
 RT: 13.10 min Scan# 1872
 Delta R.T. -0.01 min
 Lab File: BF109987.D
 Acq: 19 Oct 2018 4:12

Tgt Ion: 244 Resp: 853137
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 11.1 8.7 13.1

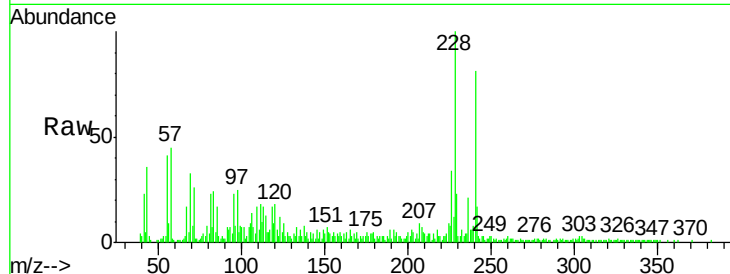




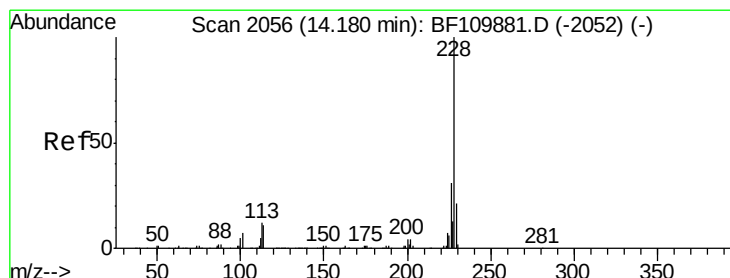
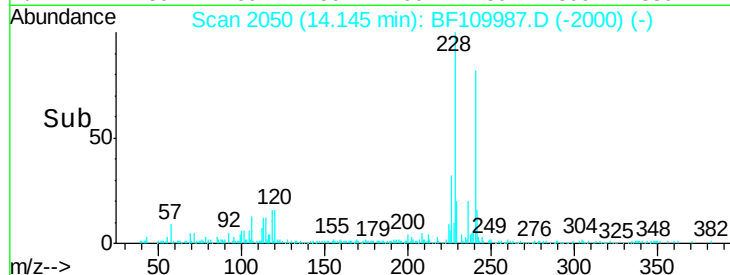
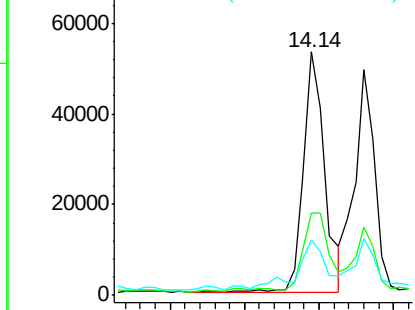
#81
Benzo(a)anthracene
Concen: 2.567 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF109987.D
Acq: 19 Oct 2018 4:12

Instrument :
BNA_F
ClientSampleId :
7-1-ROLLOFFS

Tgt Ion:228 Resp: 53169
Ion Ratio Lower Upper
228 100
226 34.0 22.1 33.1#
229 22.6 15.6 23.4

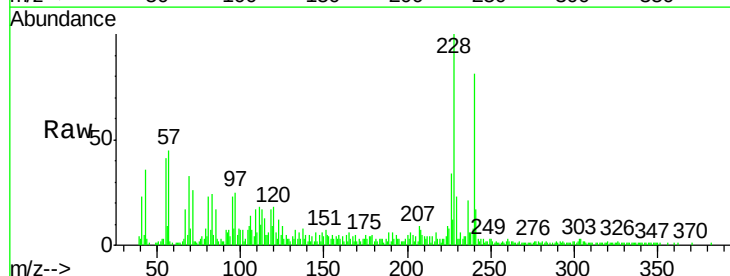


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

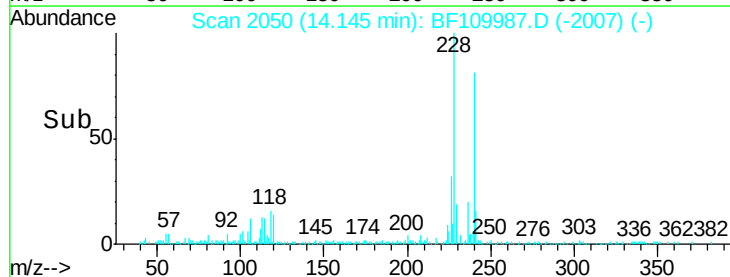
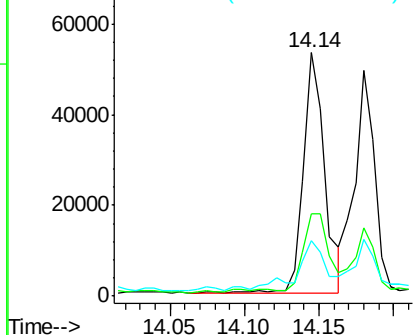


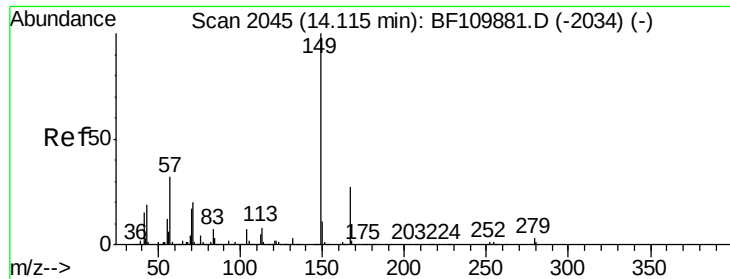
#83
Chrysene
Concen: 2.697 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.05 min
Lab File: BF109987.D
Acq: 19 Oct 2018 4:12

Tgt Ion:228 Resp: 53169
Ion Ratio Lower Upper
228 100
226 34.0 24.7 37.1
229 22.6 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

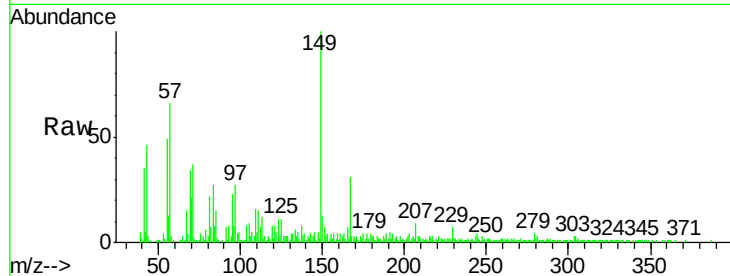




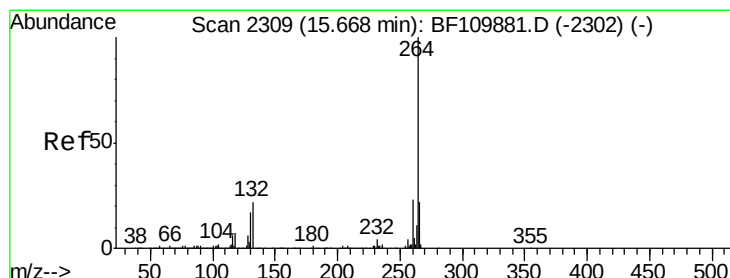
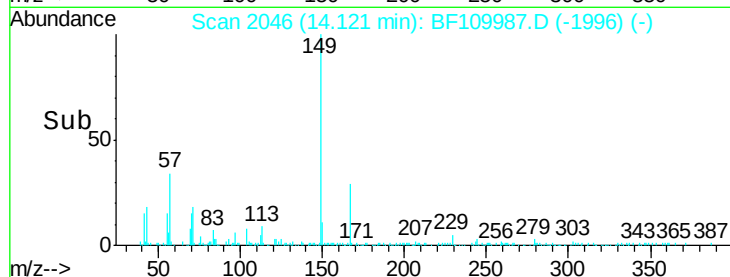
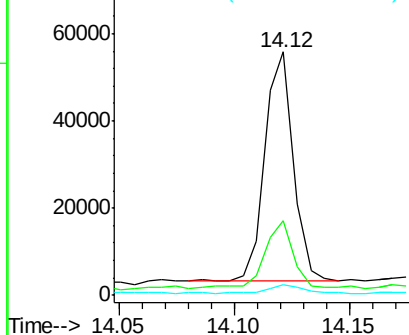
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.295 ng
 RT: 14.12 min Scan# 2046
 Delta R.T. -0.01 min
 Lab File: BF109987.D
 Acq: 19 Oct 2018 4:12

Instrument :
 BNA_F
 ClientSampleId :
 7-1-ROLLOFFS

Tgt Ion:149 Resp: 45267
 Ion Ratio Lower Upper
 149 100
 167 30.6 19.8 29.8#
 279 4.2 2.7 4.1#

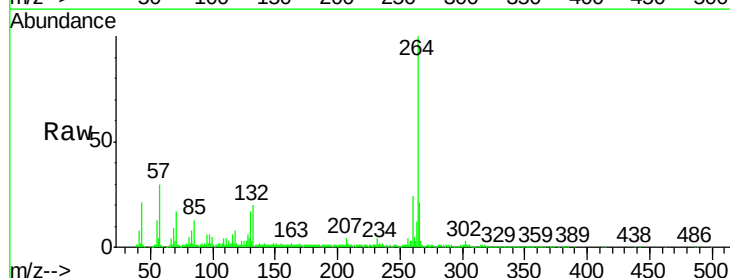


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

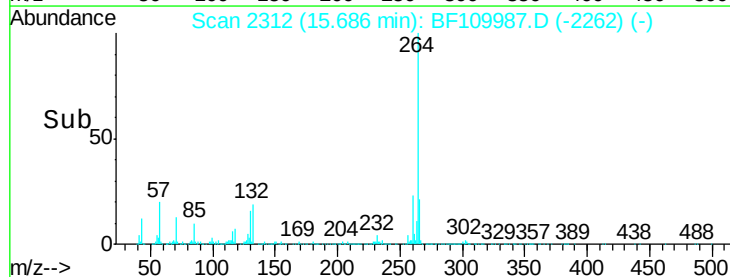
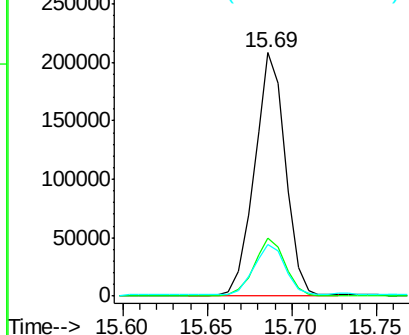


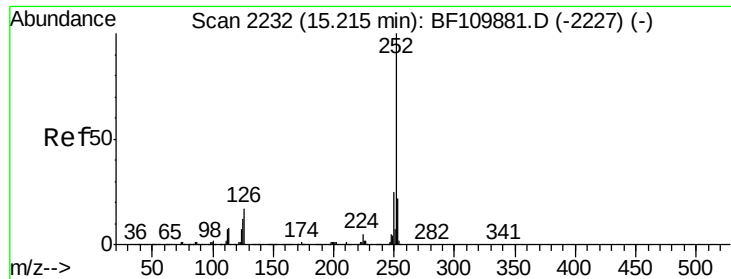
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2312
 Delta R.T. -0.01 min
 Lab File: BF109987.D
 Acq: 19 Oct 2018 4:12

Tgt Ion:264 Resp: 261295
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.7 28.1
 265 21.1 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: 3.883 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.01 min

Lab File: BF109987.D

Acq: 19 Oct 2018 4:12

Instrument :

BNA_F

ClientSampleId :

7-1-ROLLOFFS

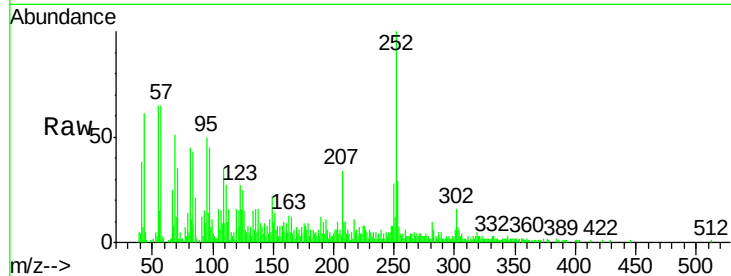
Tgt Ion:252 Resp: 58497

Ion Ratio Lower Upper

252 100

253 29.2 17.2 25.8#

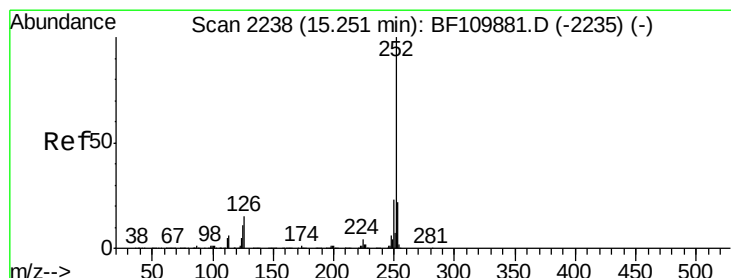
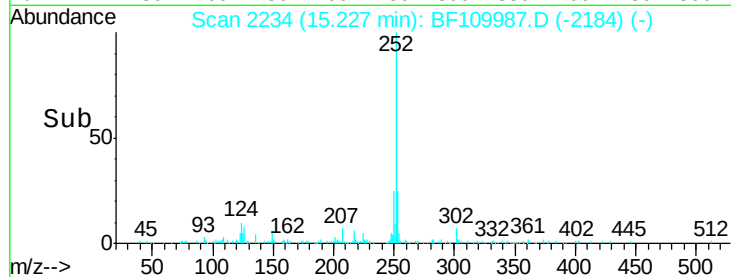
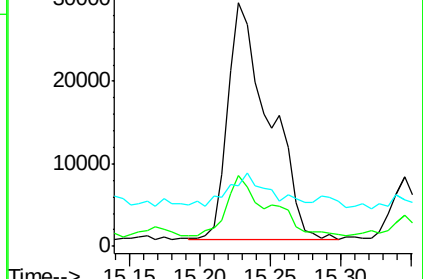
125 24.9 8.2 12.4#



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: 3.940 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.04 min

Lab File: BF109987.D

Acq: 19 Oct 2018 4:12

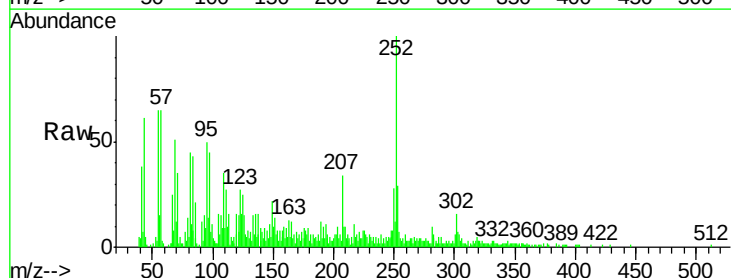
Tgt Ion:252 Resp: 58497

Ion Ratio Lower Upper

252 100

253 29.2 17.2 25.8#

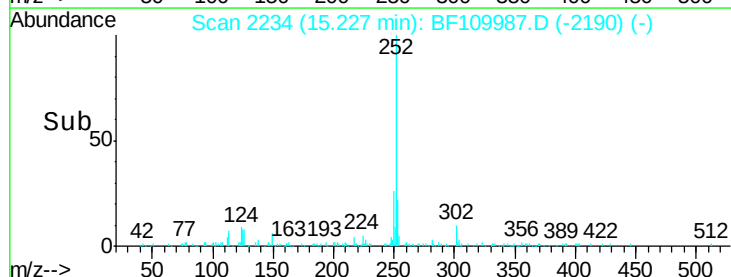
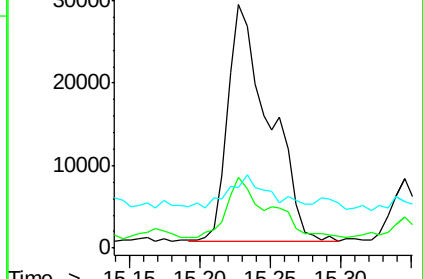
125 24.9 7.4 11.0#

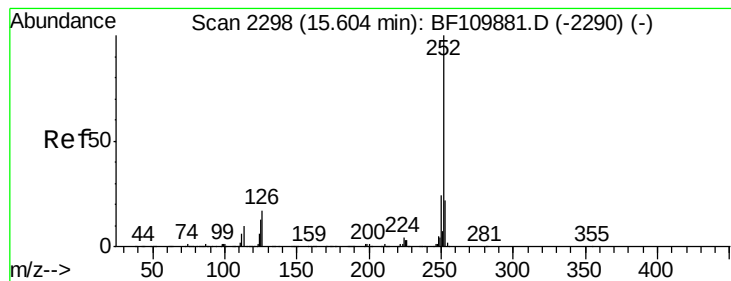


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90
 Benzo(a)pyrene
 Concen: 2.506 ng
 RT: 15.62 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BF109987.D
 Acq: 19 Oct 2018 4:12

Instrument :
 BNA_F
 ClientSampleId :
 7-1-ROLLOFFS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.2	27.4
125	27.6	9.0	13.6

