

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF091718\
 Data File : BF109067.D
 Acq On : 18 Sep 2018 00:48
 Operator : JU/SJ
 Sample : J4949-01DL 50X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-03_COMP_FILLDL

Quant Time: Sep 18 01:47:50 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	121206	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	437623	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	186700	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	379210	20.00	ng	0.00
75) Chrysene-d12	13.85	240	368300	20.00	ng	0.00
86) Perylene-d12	15.26	264	274296	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	15412	2.11	ng	0.00
7) Phenol-d6	6.35	99	20181	2.14	ng	-0.01
23) Nitrobenzene-d5	7.27	82	10636	1.36	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	3932	1.94	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	21502	1.80	ng	0.00
78) Terphenyl-d14	12.81	244	24155	1.55	ng	0.00

Target Compounds

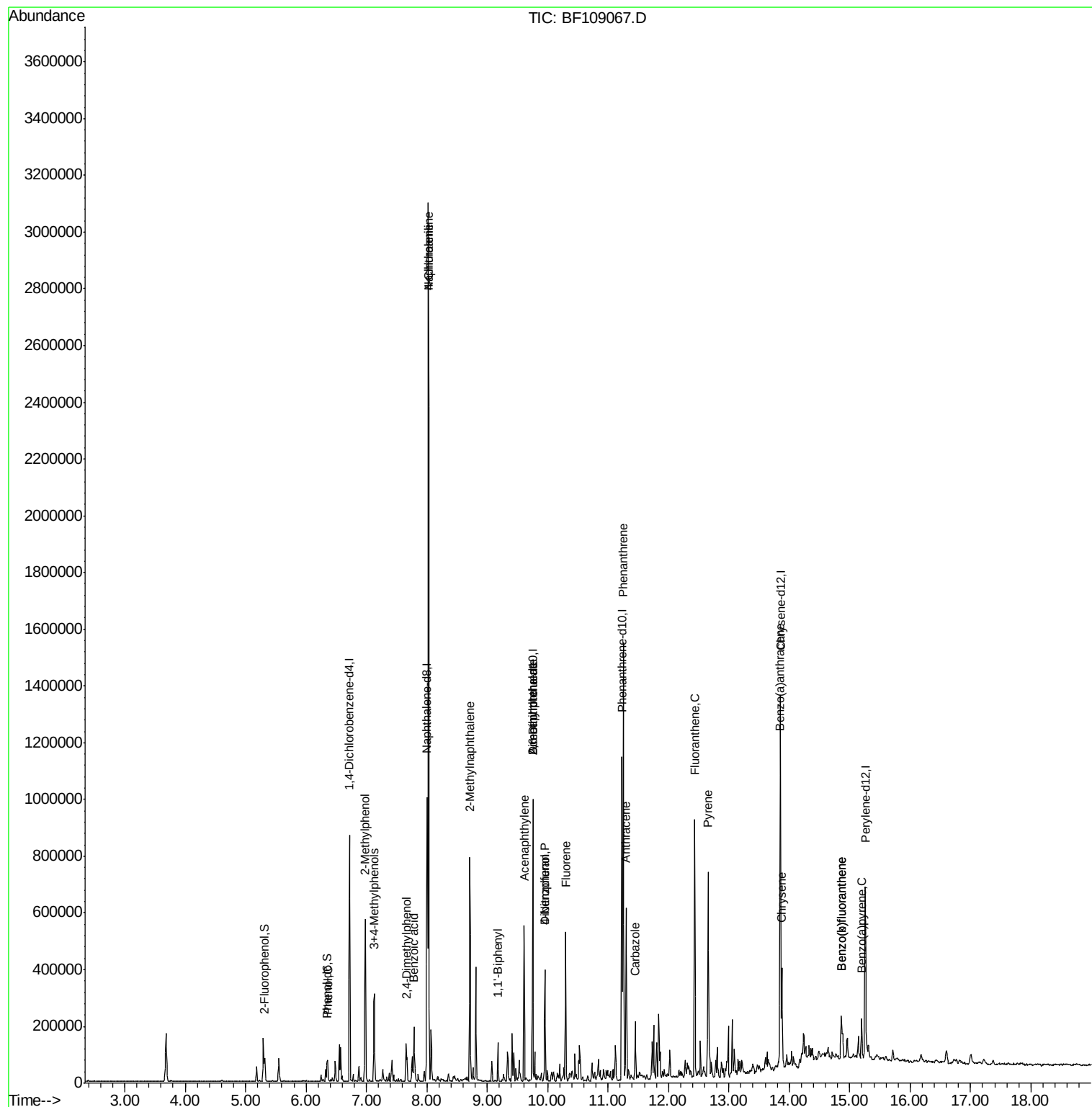
						Qvalue
10) Phenol	6.36	94	21377	2.019	ng	97
17) 2-Methylphenol	6.97	107	18727	2.811	ng	95
20) 3+4-Methylphenols	7.13	107	73328	9.138	ng	88
27) 2,4-Dimethylphenol	7.66	122	32815	5.569	ng	98
31) Naphthalene	8.02	128	1295107	63.761	ng	99
32) Benzoic acid	7.79	122	26747	6.947	ng	# 15
33) 4-Chloroaniline	8.02	127	173902	19.256	ng	# 31
37) 2-Methylnaphthalene	8.71	142	185364	14.000	ng	98
45) 1,1'-Biphenyl	9.18	154	39443	2.641	ng	97
48) Acenaphthylene	9.61	152	212615	11.789	ng	99
49) Dimethylphthalate	9.75	163	52985	3.971	ng	# 1
50) 2,6-Dinitrotoluene	9.75	165	27305	9.227	ng	# 26
54) Dibenzofuran	9.95	168	123887	7.634	ng	99
55) 4-Nitrophenol	9.95	139	46632	18.163	ng	# 10
57) Fluorene	10.30	166	123257	11.397	ng	99
70) Phenanthrene	11.25	178	522642	28.116	ng	98
71) Anthracene	11.30	178	217867	11.562	ng	100
72) Carbazole	11.45	167	72210	3.871	ng	98
74) Fluoranthene	12.44	202	342591	17.457	ng	95
77) Pyrene	12.66	202	271859	9.938	ng	99
80) Benzo(a)anthracene	13.84	228	131092	5.879	ng	# 86
82) Chrysene	13.88	228	117426	5.264	ng	96
87) Benzo(b)fluoranthene	14.86	252	109954	7.246	ng	99
88) Benzo(k)fluoranthene	14.86	252	109954	7.758	ng	97
89) Benzo(a)pyrene	15.19	252	61131	4.536	ng	96

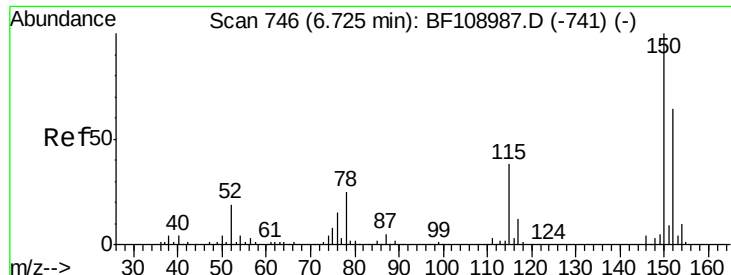
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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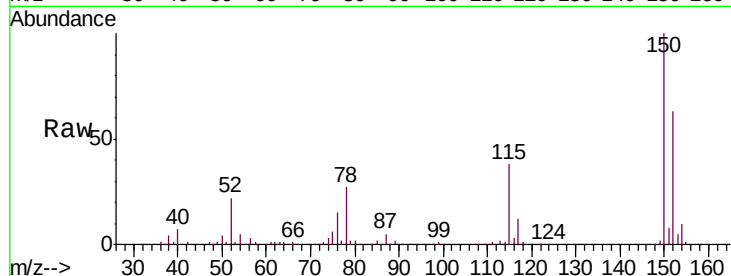




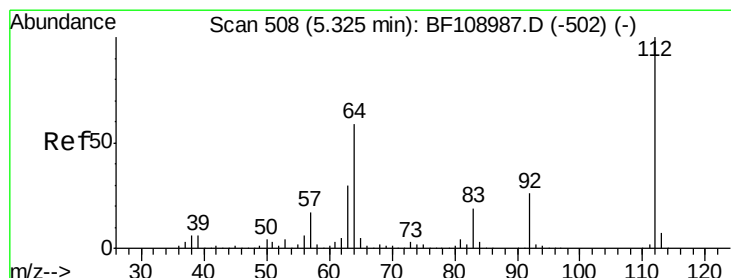
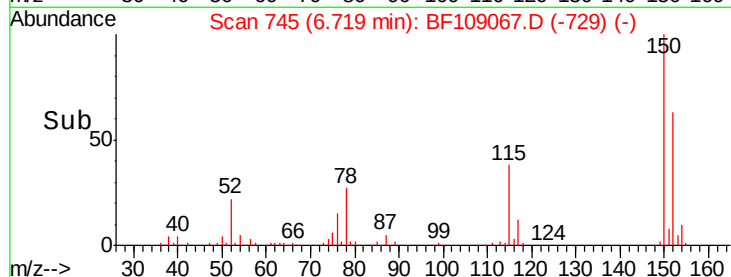
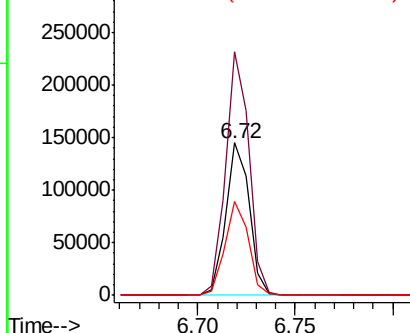
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF109067.D
 Acq: 18 Sep 2018 00:48

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-03_COMP_FILDL

Tgt Ion:152 Resp: 121206
 Ion Ratio Lower Upper
 152 100
 150 159.8 124.6 186.8
 115 61.3 50.1 75.1

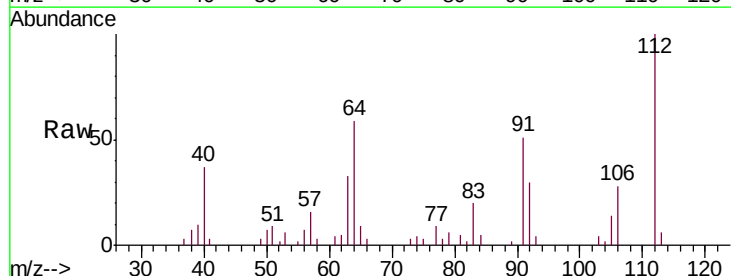


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

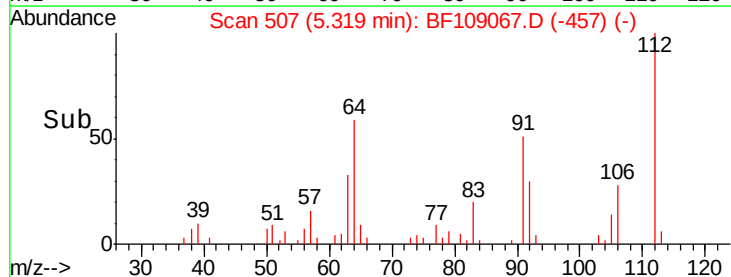
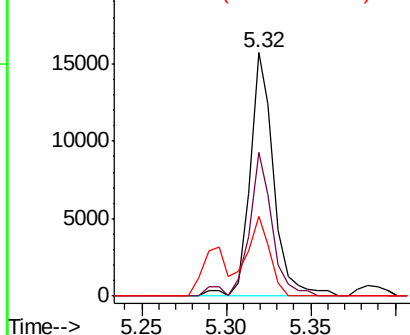


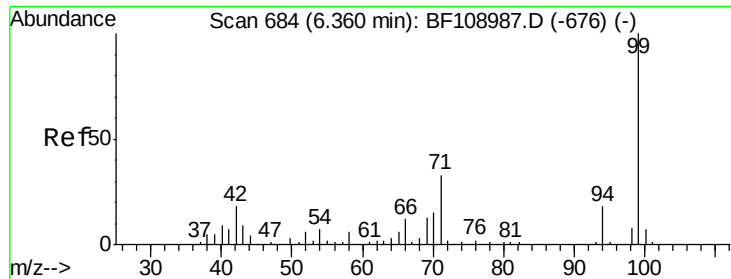
#5
 2-Fluorophenol
 Concen: 2.112 ng
 RT: 5.32 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: BF109067.D
 Acq: 18 Sep 2018 00:48

Tgt Ion:112 Resp: 15412
 Ion Ratio Lower Upper
 112 100
 64 59.0 47.9 71.9
 63 32.8 23.7 35.5



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





#7

Phenol-d6

Concen: 2.145 ng

RT: 6.35 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF109067.D

Acq: 18 Sep 2018 00:48

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-03_COMP_FILDL

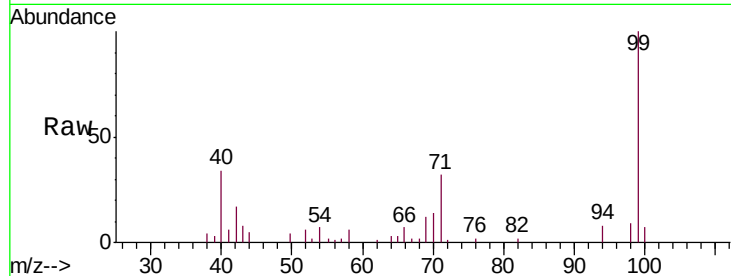
Tgt Ion: 99 Resp: 20181

Ion Ratio Lower Upper

99 100

42 17.5 14.5 21.7

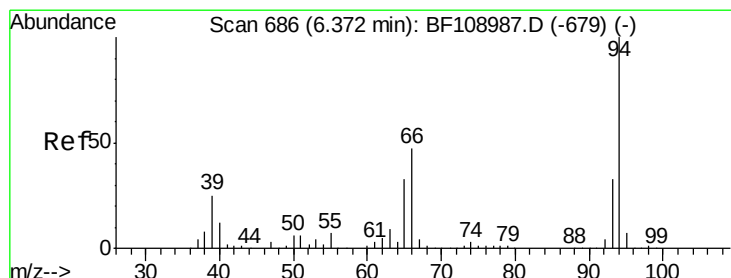
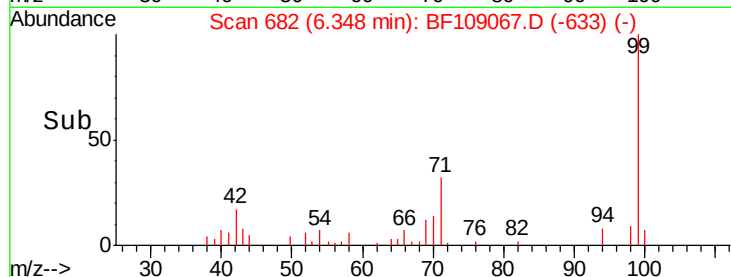
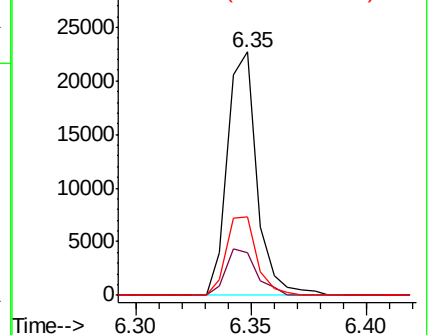
71 32.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.019 ng

RT: 6.36 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF109067.D

Acq: 18 Sep 2018 00:48

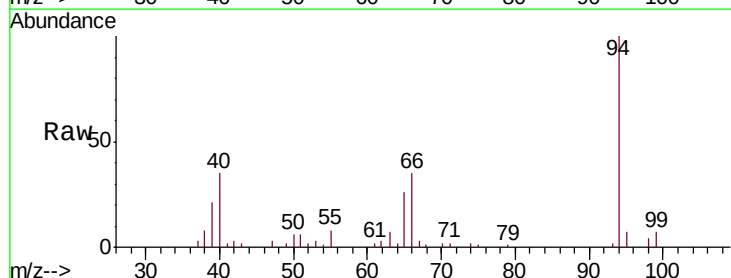
Tgt Ion: 94 Resp: 21377

Ion Ratio Lower Upper

94 100

65 25.5 7.9 47.9

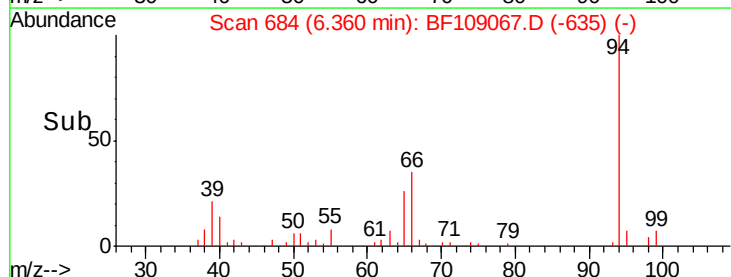
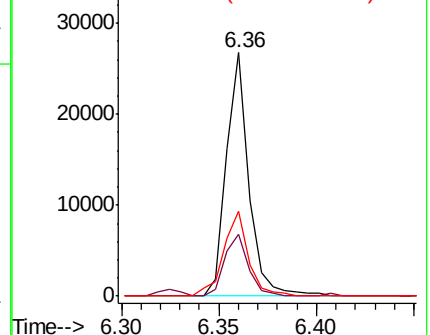
66 34.7 16.2 56.2

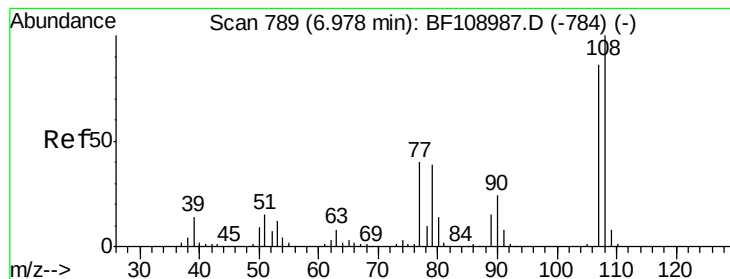


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#17

2-Methylphenol

Concen: 2.811 ng

RT: 6.97 min Scan# 788

Delta R.T. -0.01 min

Lab File: BF109067.D

Acq: 18 Sep 2018 00:48

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-03_COMP_FILLDL

Tgt Ion:107 Resp: 18727

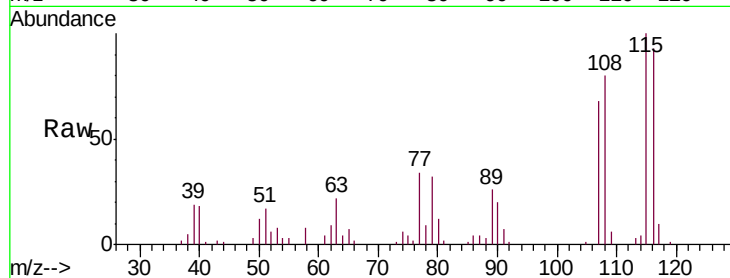
Ion Ratio Lower Upper

107 100

108 117.2 91.7 137.5

77 49.7 33.8 50.8

79 46.6 33.8 50.8



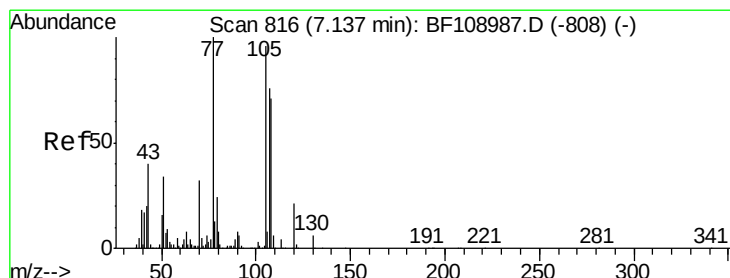
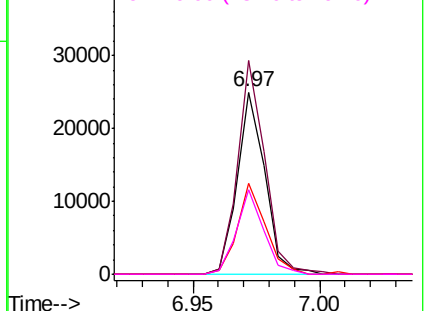
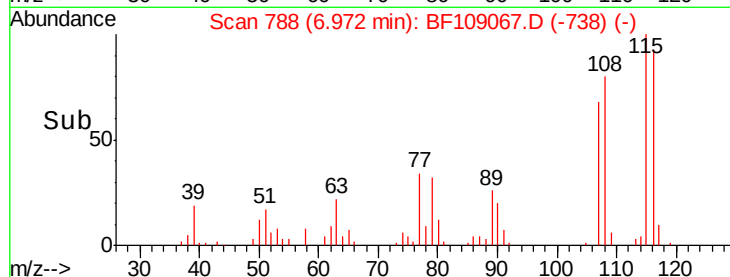
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#20

3+4-Methylphenols

Concen: 9.138 ng

RT: 7.13 min Scan# 815

Delta R.T. -0.01 min

Lab File: BF109067.D

Acq: 18 Sep 2018 00:48

Tgt Ion:107 Resp: 73328

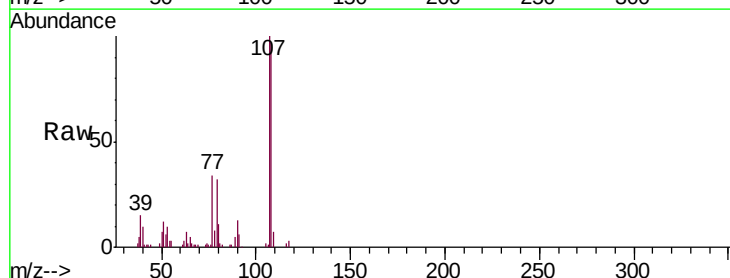
Ion Ratio Lower Upper

107 100

108 97.0 68.2 108.2

77 34.2 26.7 66.7

79 32.0 6.3 46.3



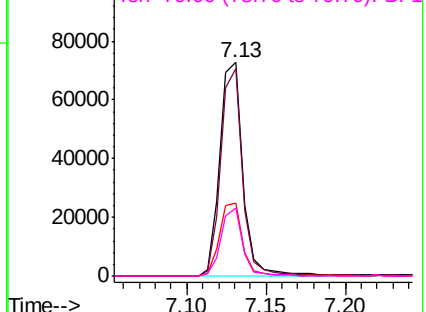
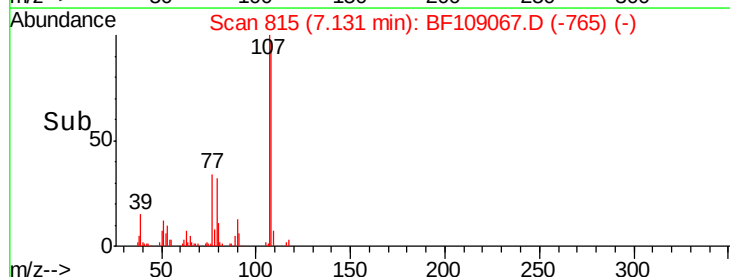
Abundance

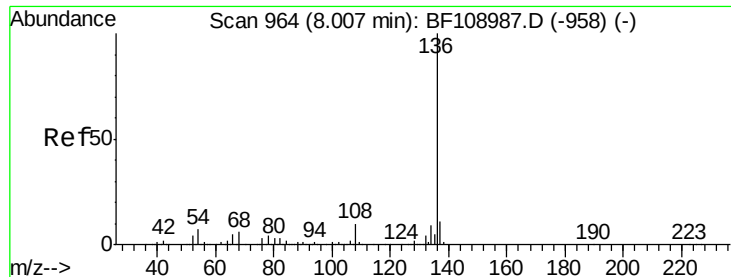
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

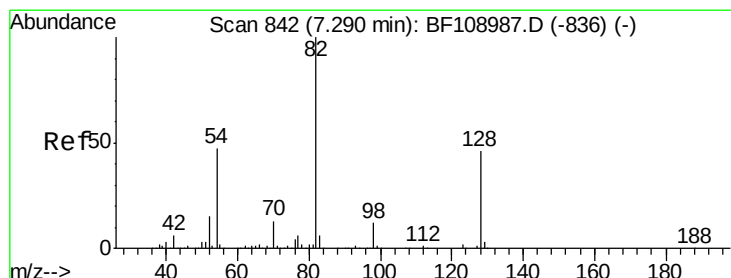
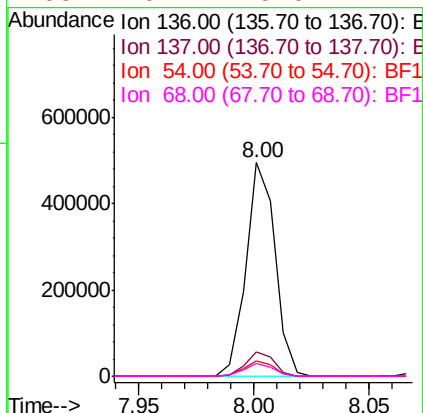
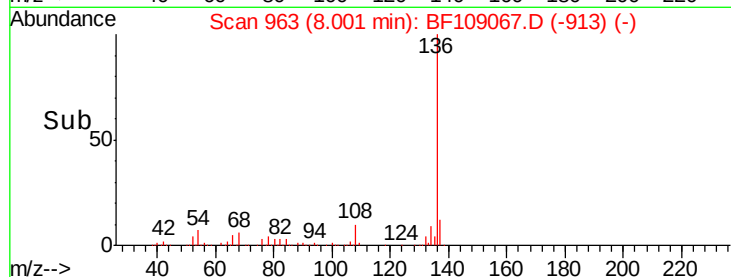
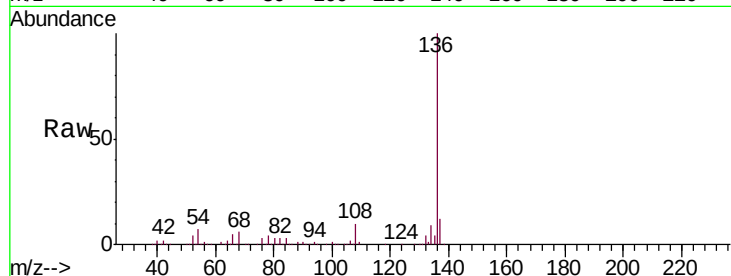




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 963
Delta R.T. -0.01 min
Lab File: BF109067.D
Acq: 18 Sep 2018 00:48

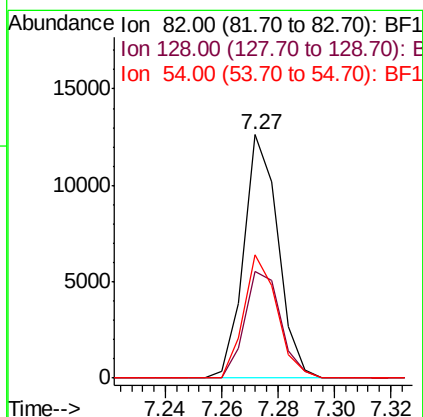
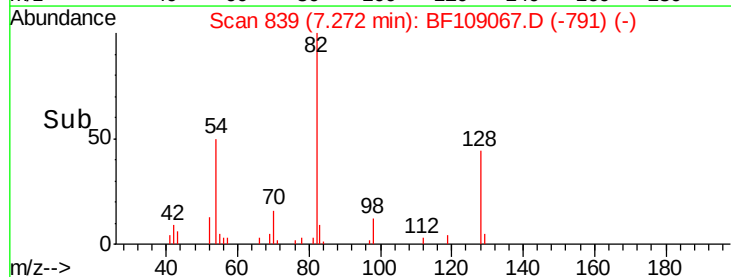
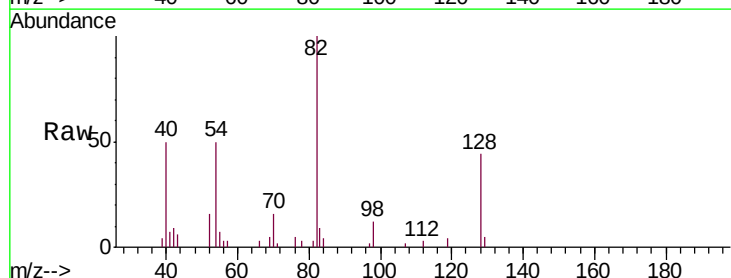
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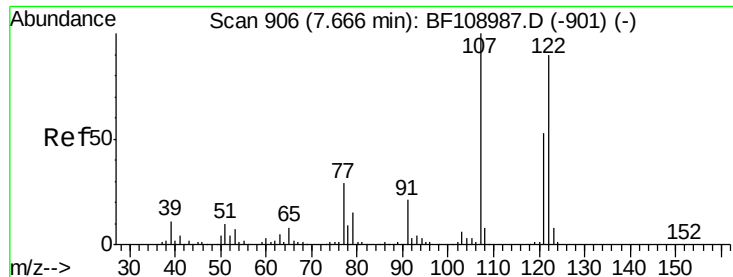
Tgt Ion:	136	Resp:	437623
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	7.3	6.6	9.8
68	6.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 1.363 ng
RT: 7.27 min Scan# 839
Delta R.T. -0.02 min
Lab File: BF109067.D
Acq: 18 Sep 2018 00:48

Tgt Ion:	82	Resp:	10636
Ion	Ratio	Lower	Upper
82	100		
128	43.9	36.1	54.1
54	50.5	41.4	62.2

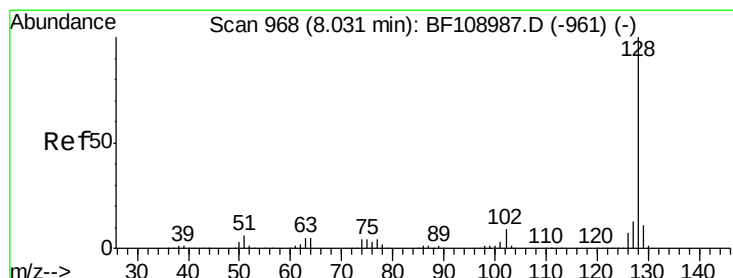
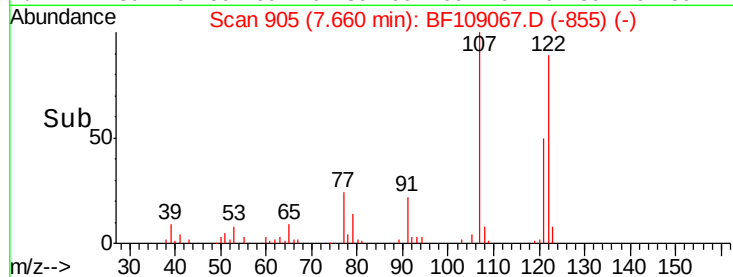
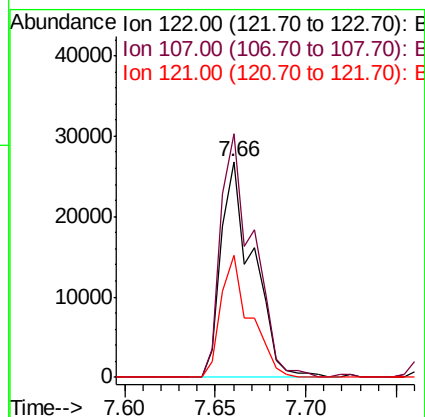
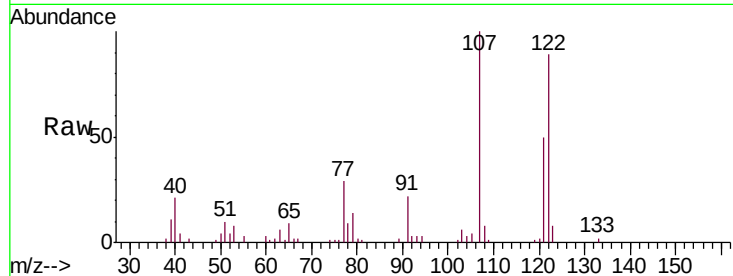




#27
 2,4-Dimethylphenol
 Concen: 5.569 ng
 RT: 7.66 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF109067.D
 Acq: 18 Sep 2018 00:48

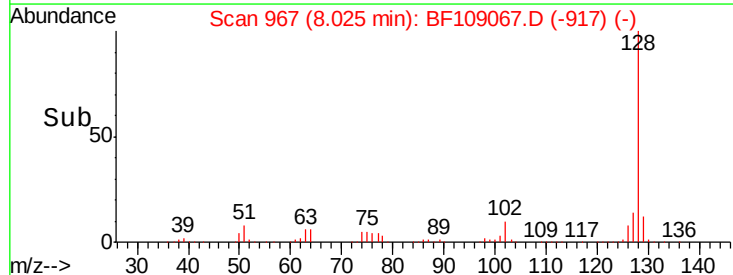
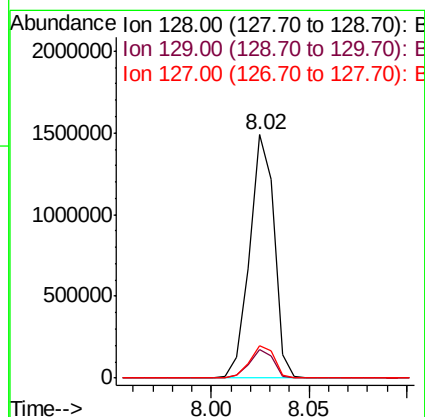
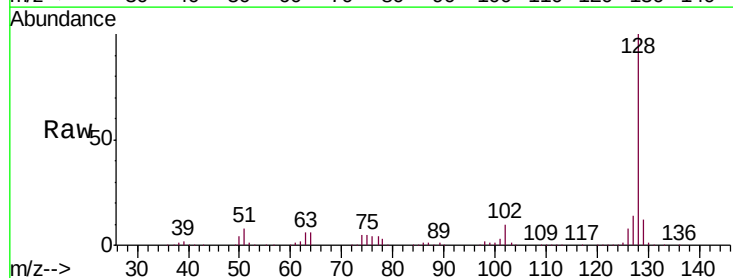
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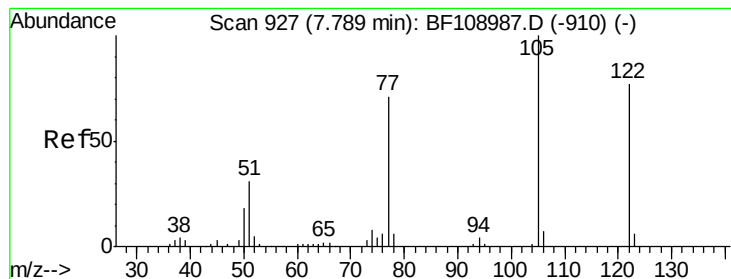
Tgt Ion:122 Resp: 32815
 Ion Ratio Lower Upper
 122 100
 107 112.8 91.2 136.8
 121 56.8 47.2 70.8



#31
 Naphthalene
 Concen: 63.761 ng
 RT: 8.02 min Scan# 967
 Delta R.T. -0.01 min
 Lab File: BF109067.D
 Acq: 18 Sep 2018 00:48

Tgt Ion:128 Resp: 1295107
 Ion Ratio Lower Upper
 128 100
 129 11.7 8.8 13.2
 127 13.5 10.9 16.3





#32

Benzoic acid

Concen: 6.947 ng

RT: 7.79 min Scan# 927

Delta R.T. 0.00 min

Lab File: BF109067.D

Acq: 18 Sep 2018 00:48

Instrument :

BNA_F

ClientSampleId :

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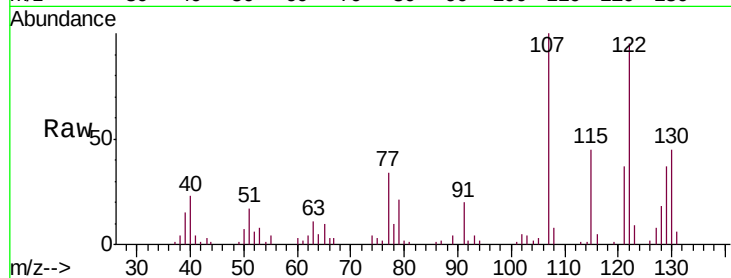
Tgt Ion:122 Resp: 26747

Ion Ratio Lower Upper

122 100

105 3.3 101.1 141.1#

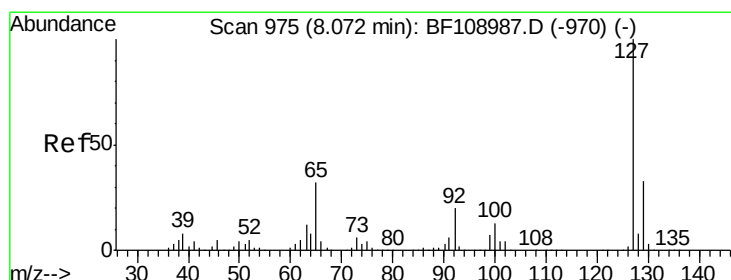
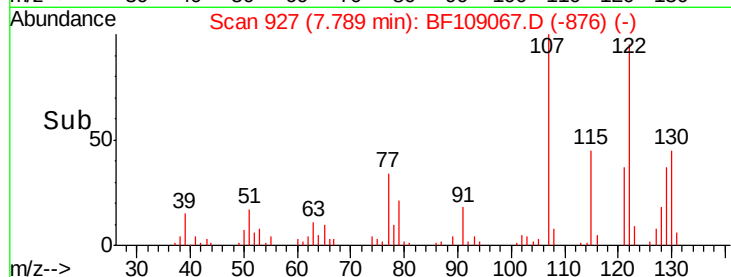
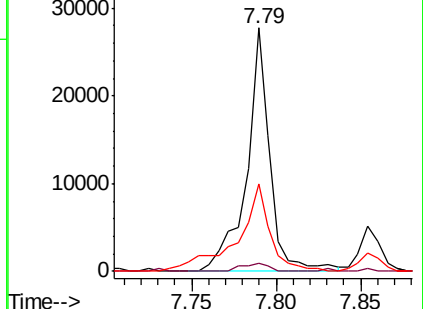
77 35.9 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#33

4-Chloroaniline

Concen: 19.256 ng

RT: 8.02 min Scan# 967

Delta R.T. -0.05 min

Lab File: BF109067.D

Acq: 18 Sep 2018 00:48

Tgt Ion:127 Resp: 173902

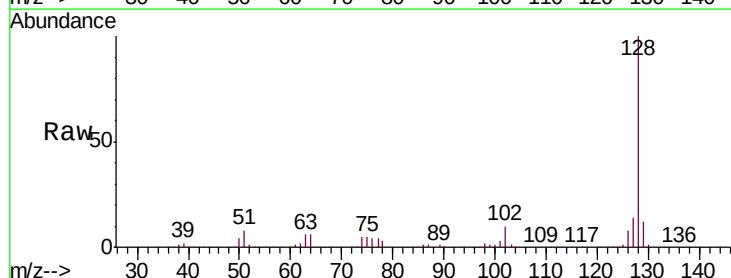
Ion Ratio Lower Upper

127 100

129 86.5 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

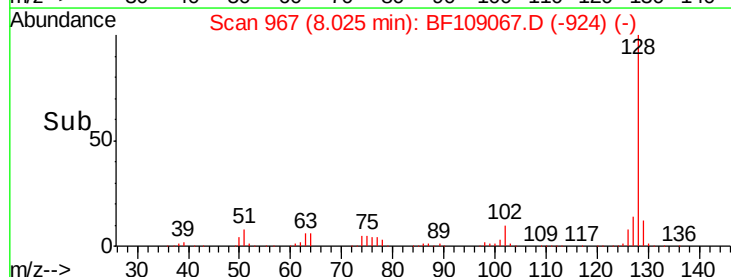
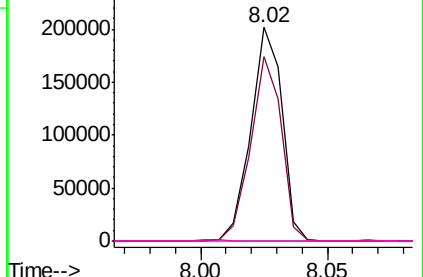


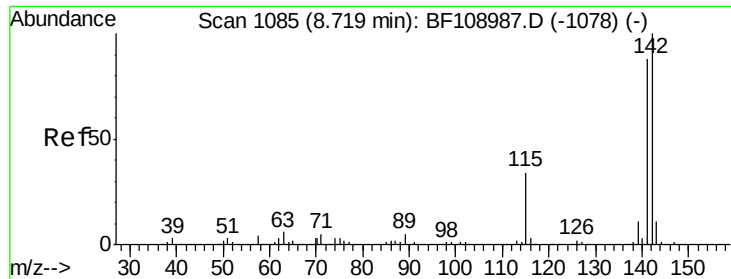
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

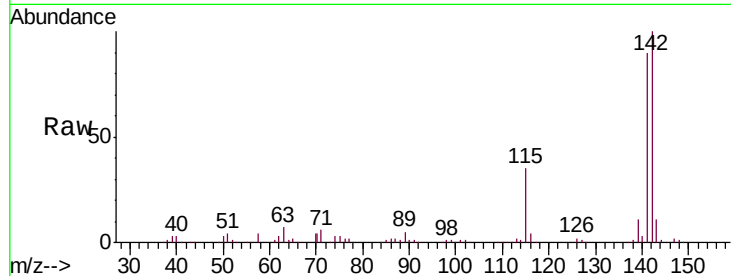




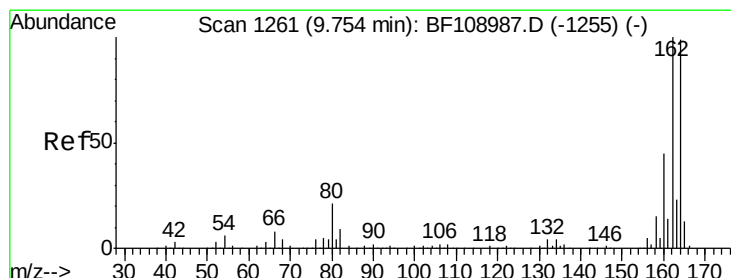
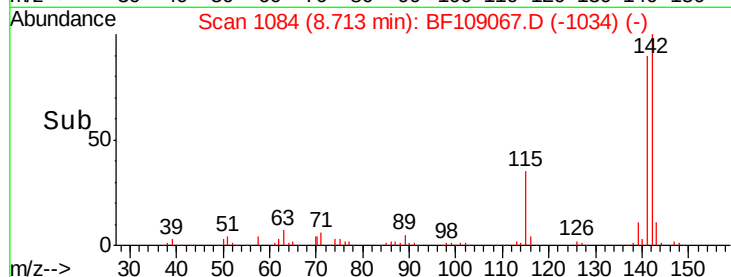
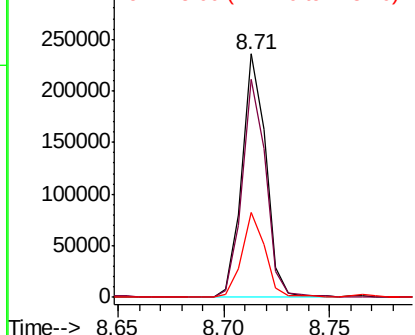
#37
2-Methylnaphthalene
Concen: 14.000 ng
RT: 8.71 min Scan# 1084
Delta R.T. -0.01 min
Lab File: BF109067.D
Acq: 18 Sep 2018 00:48

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-03_COMP_FILLDL

Tgt Ion:142 Resp: 185364
Ion Ratio Lower Upper
142 100
141 89.5 70.8 106.2
115 34.6 26.1 39.1

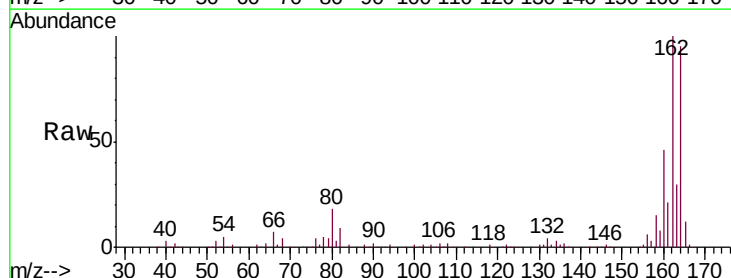


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

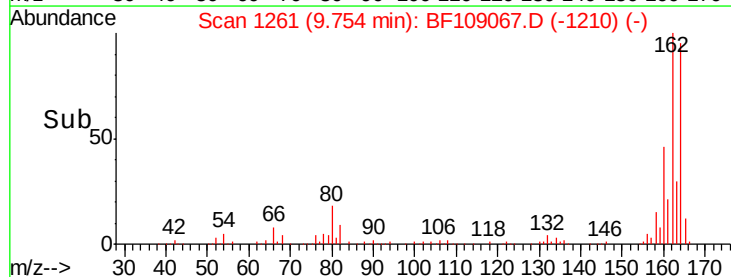
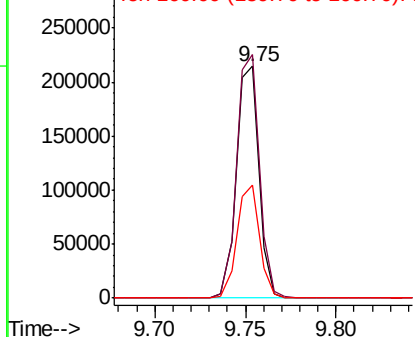


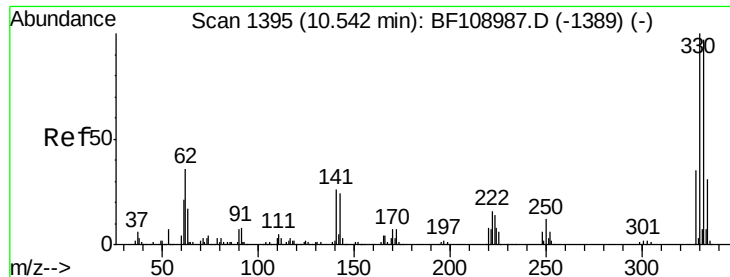
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BF109067.D
Acq: 18 Sep 2018 00:48

Tgt Ion:164 Resp: 186700
Ion Ratio Lower Upper
164 100
162 104.9 86.1 129.1
160 48.5 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

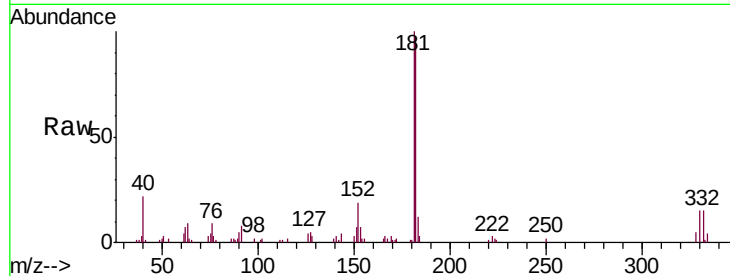




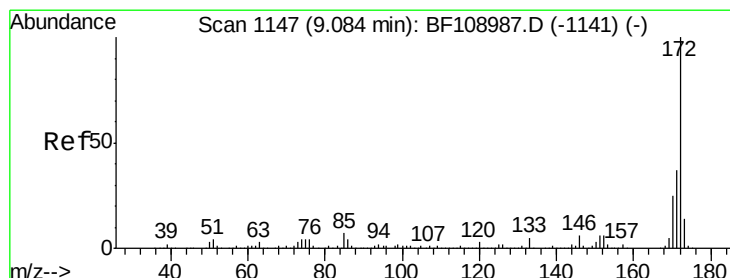
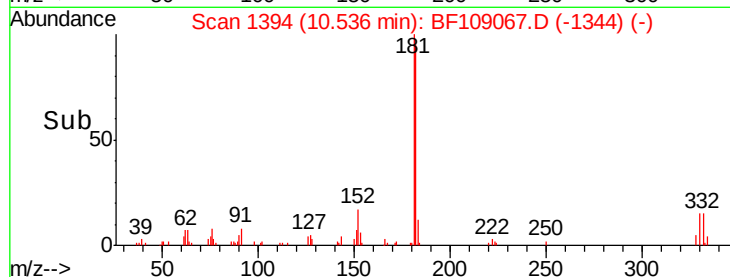
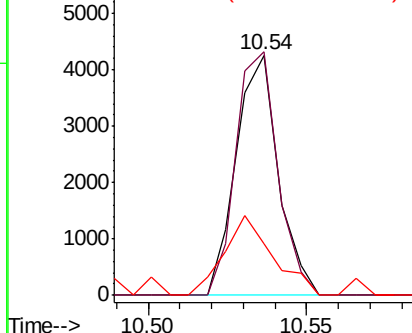
#41
 2,4,6-Tribromophenol
 Concen: 1.941 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109067.D
 Acq: 18 Sep 2018 00:48

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-03_COMP_FILLDL

Tgt Ion:330 Resp: 3932
 Ion Ratio Lower Upper
 330 100
 332 100.8 77.0 115.6
 141 38.4 29.9 44.9

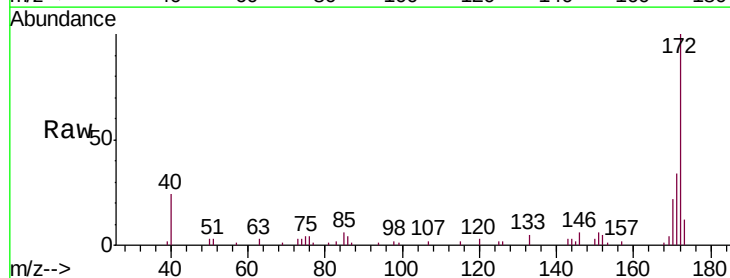


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

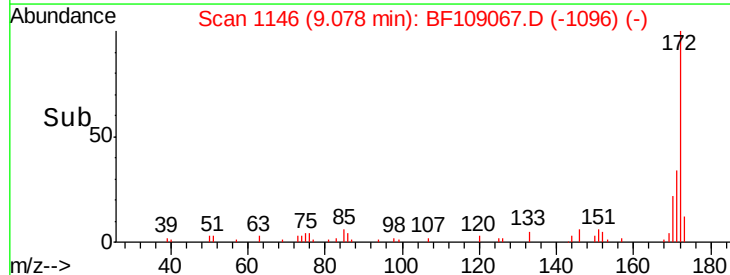
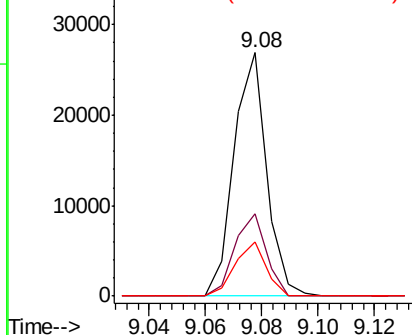


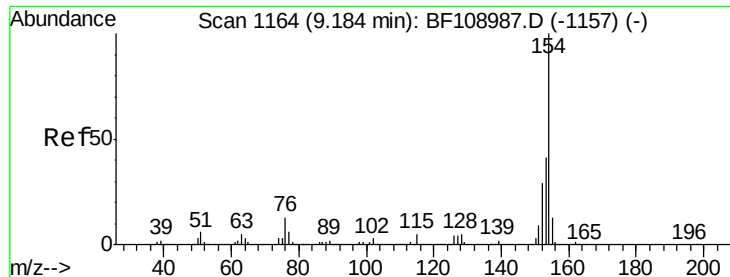
#44
 2-Fluorobiphenyl
 Concen: 1.804 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109067.D
 Acq: 18 Sep 2018 00:48

Tgt Ion:172 Resp: 21502
 Ion Ratio Lower Upper
 172 100
 171 33.8 29.7 44.5
 170 22.3 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

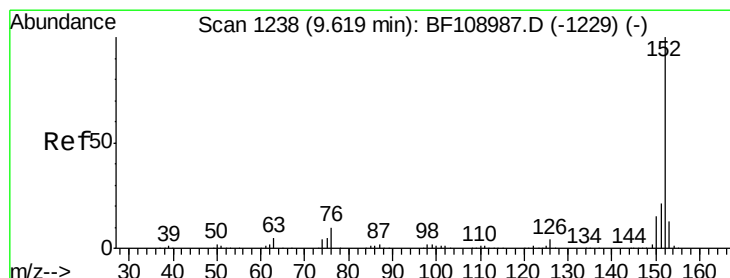
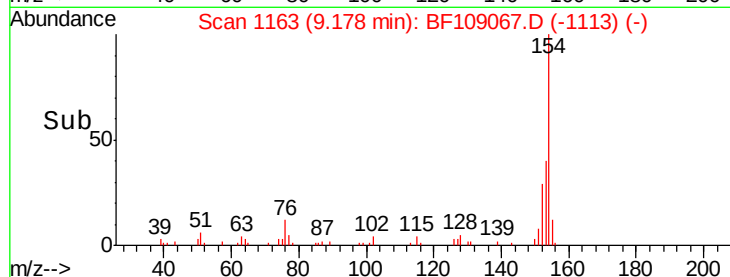
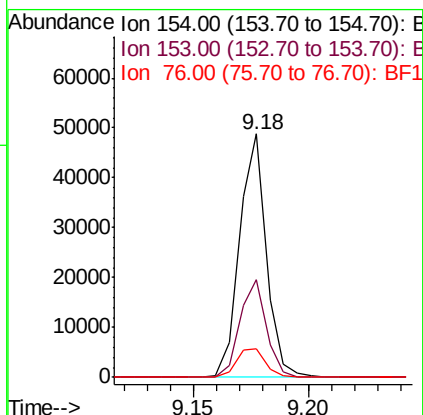
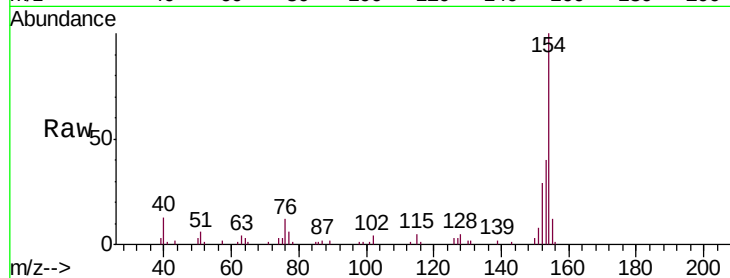




#45
 1,1'-Biphenyl
 Concen: 2.641 ng
 RT: 9.18 min Scan# 1163
 Delta R.T. -0.01 min
 Lab File: BF109067.D
 Acq: 18 Sep 2018 00:48

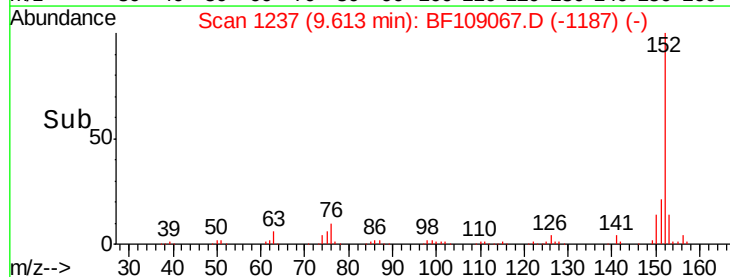
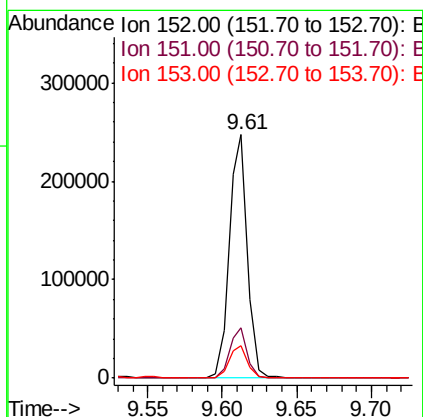
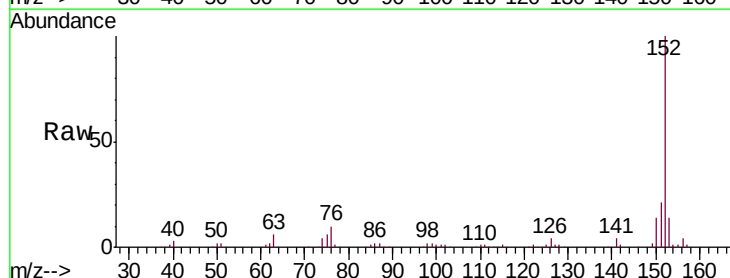
Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-03_COMP_FILLDL

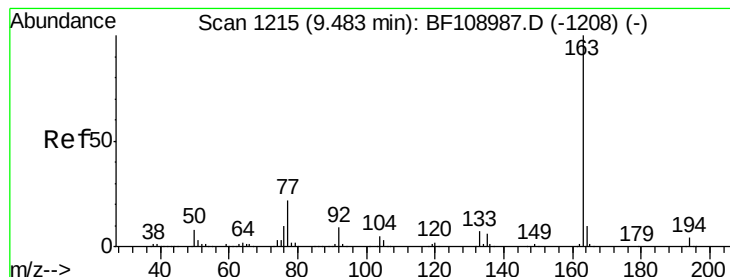
Tgt Ion:154 Resp: 39443
 Ion Ratio Lower Upper
 154 100
 153 40.3 21.3 61.3
 76 11.8 0.0 34.0



#48
 Acenaphthylene
 Concen: 11.789 ng
 RT: 9.61 min Scan# 1237
 Delta R.T. -0.01 min
 Lab File: BF109067.D
 Acq: 18 Sep 2018 00:48

Tgt Ion:152 Resp: 212615
 Ion Ratio Lower Upper
 152 100
 151 20.7 16.3 24.5
 153 13.6 10.7 16.1





#49

Dimethylphthalate

Concen: 3.971 ng

RT: 9.75 min Scan# 1261

Delta R.T. 0.27 min

Lab File: BF109067.D

Acq: 18 Sep 2018 00:48

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-03_COMP_FILLDL

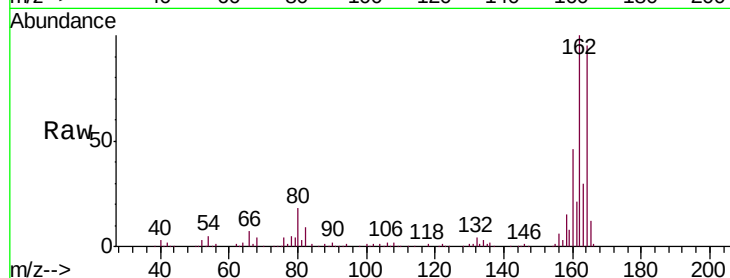
Tgt Ion:163 Resp: 52985

Ion Ratio Lower Upper

163 100

194 0.0 2.7 4.1#

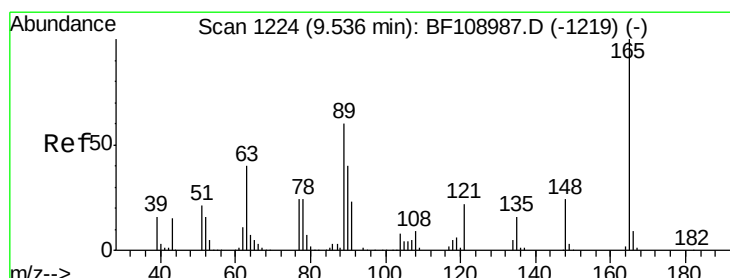
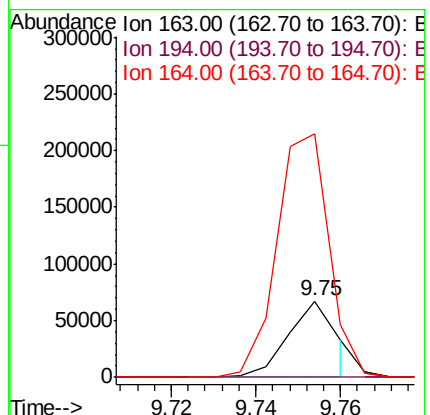
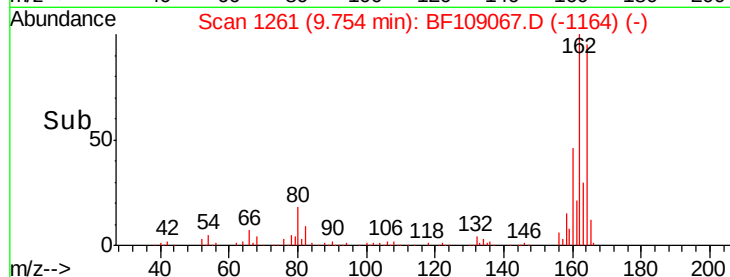
164 320.2 8.2 12.2#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 9.227 ng

RT: 9.75 min Scan# 1261

Delta R.T. 0.22 min

Lab File: BF109067.D

Acq: 18 Sep 2018 00:48

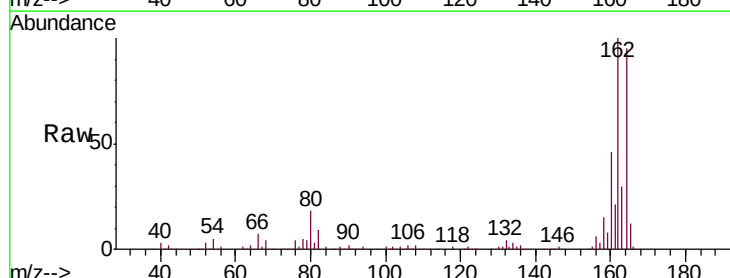
Tgt Ion:165 Resp: 27305

Ion Ratio Lower Upper

165 100

63 1.8 44.7 67.1#

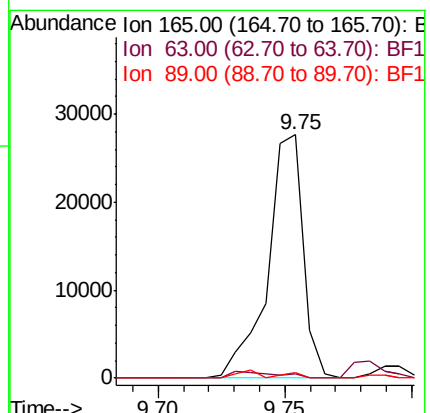
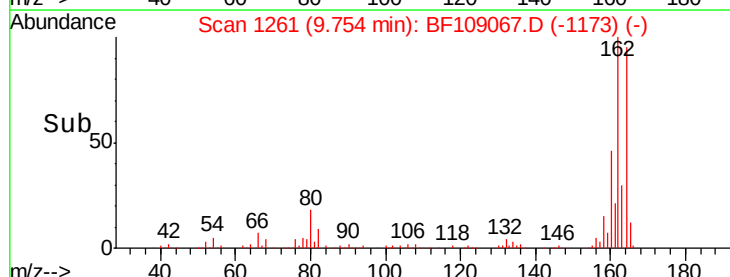
89 2.1 44.0 66.0#

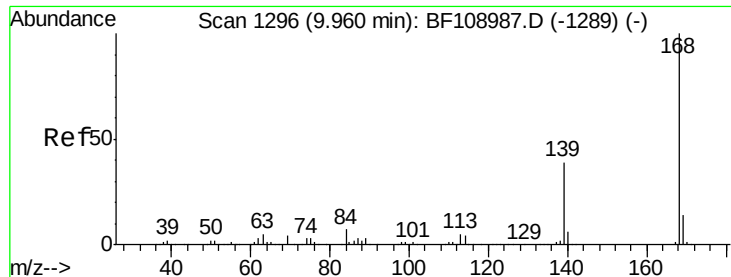


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#54

Diben-zofuran

Concen: 7.634 ng

RT: 9.95 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF109067.D

Acq: 18 Sep 2018 00:48

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-03_COMP_FILDL

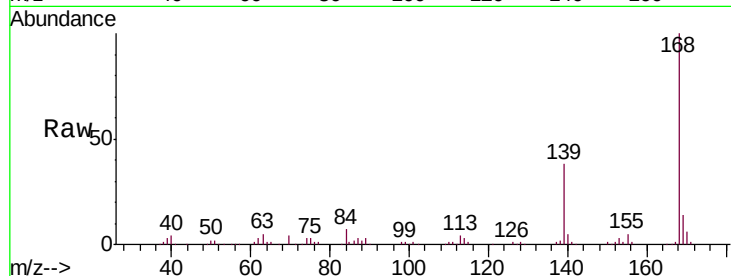
Tgt Ion:168 Resp: 123887

Ion Ratio Lower Upper

168 100

139 38.3 30.1 45.1

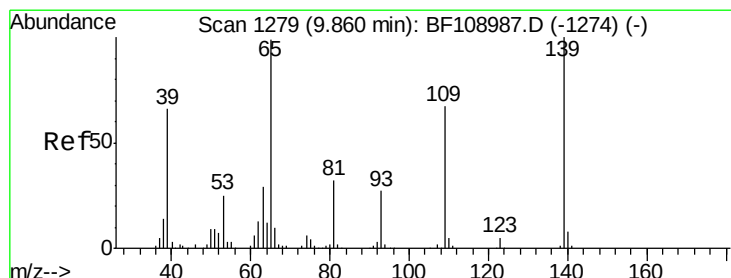
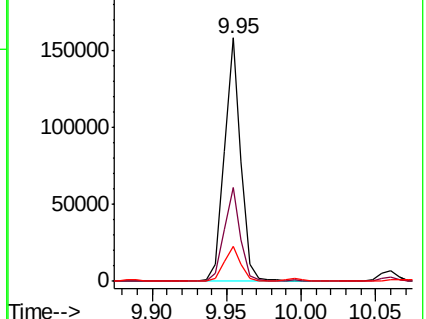
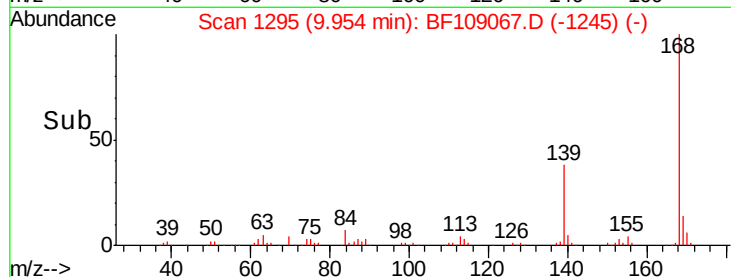
169 14.3 10.9 16.3



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: 18.163 ng

RT: 9.95 min Scan# 1295

Delta R.T. 0.09 min

Lab File: BF109067.D

Acq: 18 Sep 2018 00:48

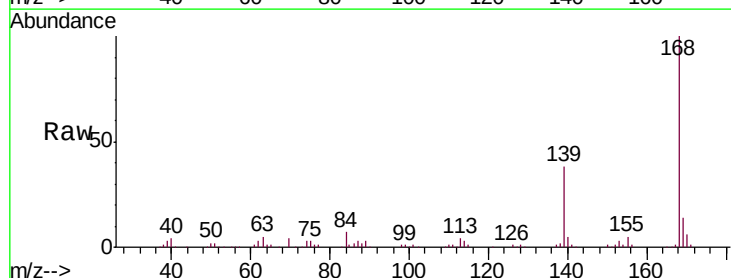
Tgt Ion:139 Resp: 46632

Ion Ratio Lower Upper

139 100

109 0.8 48.4 88.4#

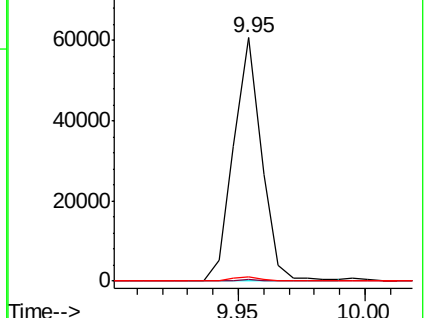
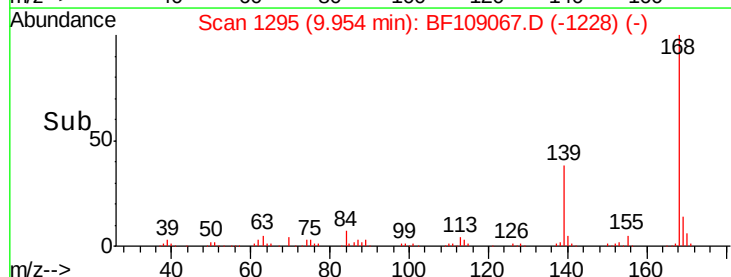
65 1.6 72.6 112.6#

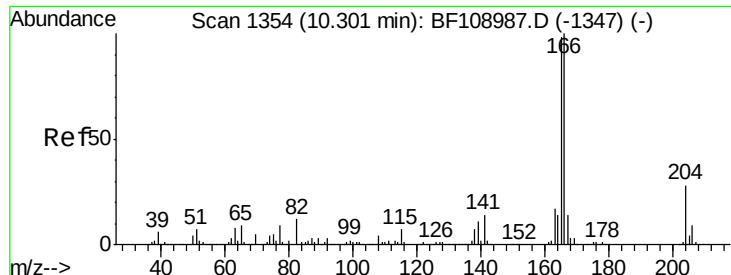


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

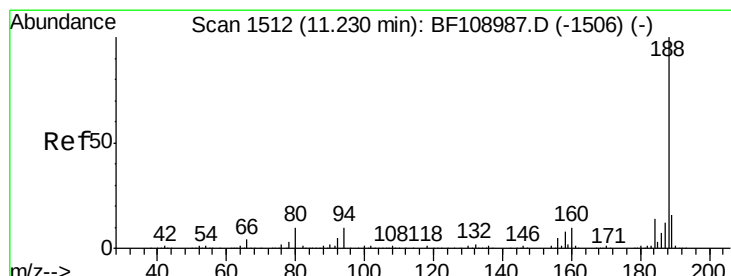
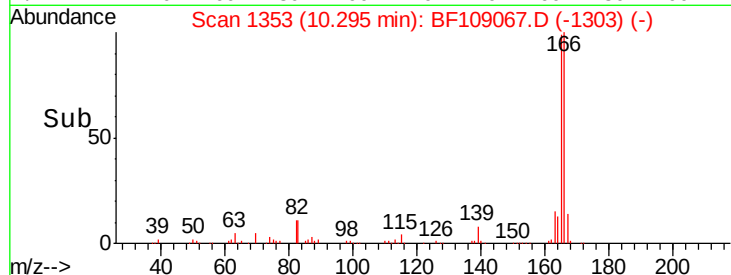
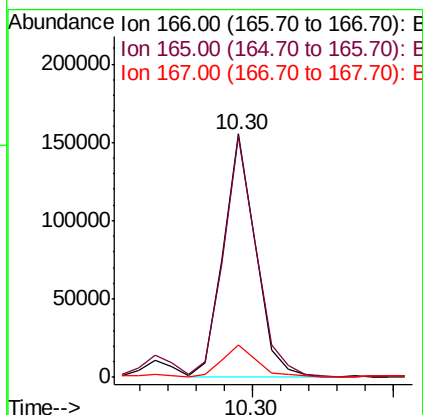
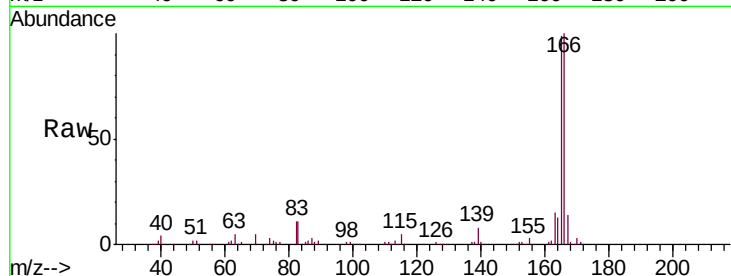




#57
 Fluorene
 Concen: 11.397 ng
 RT: 10.30 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: BF109067.D
 Acq: 18 Sep 2018 00:48

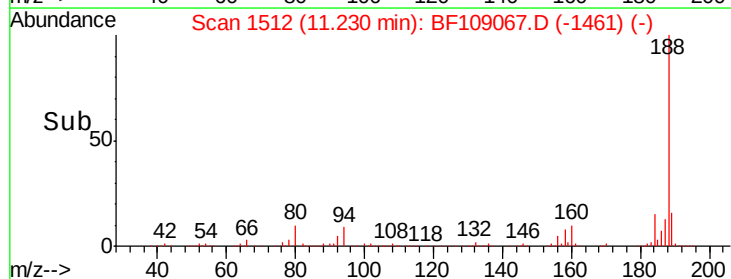
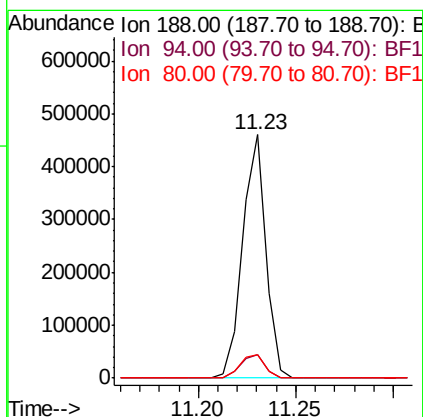
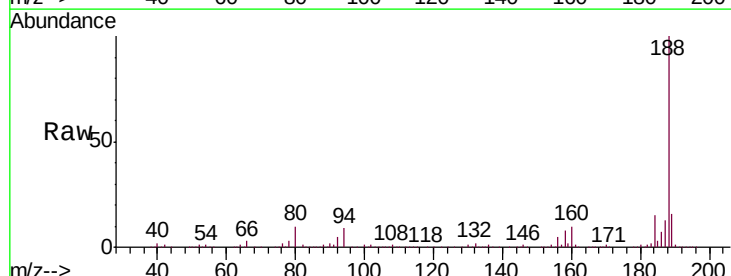
Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-03_COMP_FILLDL

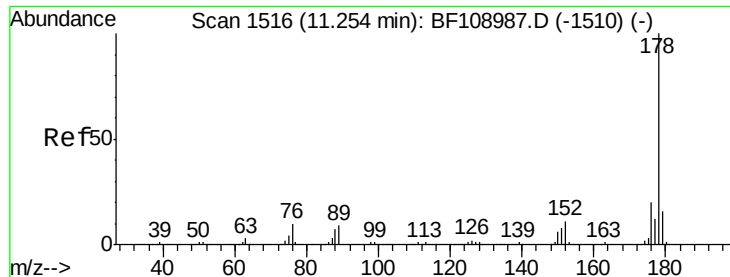
Tgt Ion:166 Resp: 123257
 Ion Ratio Lower Upper
 166 100
 165 99.0 79.8 119.8
 167 13.6 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1512
 Delta R.T. -0.00 min
 Lab File: BF109067.D
 Acq: 18 Sep 2018 00:48

Tgt Ion:188 Resp: 379210
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.5 12.7
 80 9.7 9.2 13.8

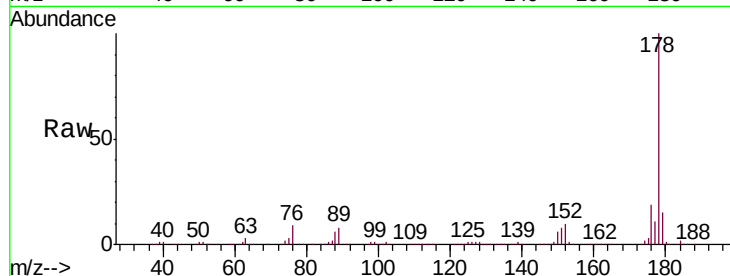




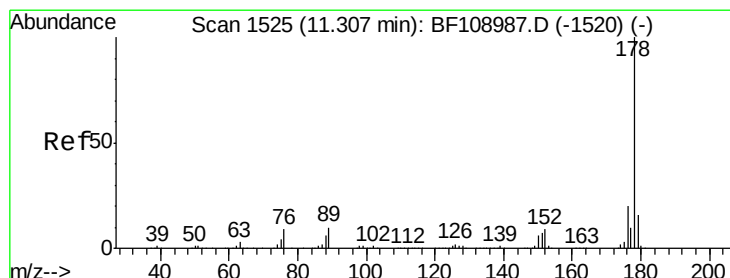
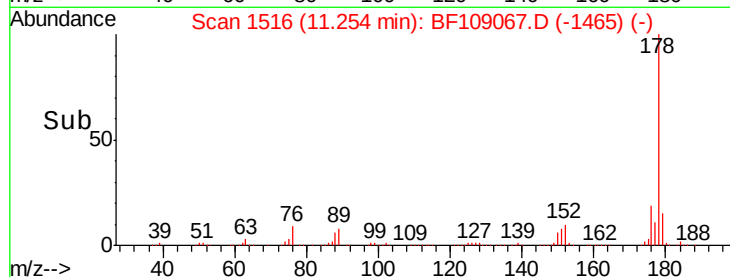
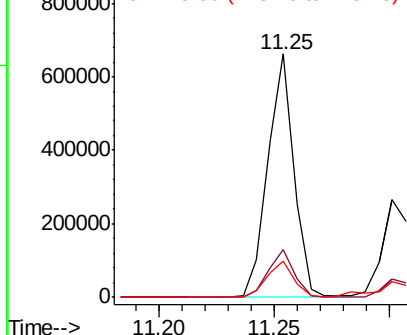
#70
 Phenanthrene
 Concen: 28.116 ng
 RT: 11.25 min Scan# 1516
 Delta R.T. -0.00 min
 Lab File: BF109067.D
 Acq: 18 Sep 2018 00:48

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-03_COMP_FILLDL

Tgt Ion:178 Resp: 522642
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.8 23.8
 179 15.0 13.0 19.6

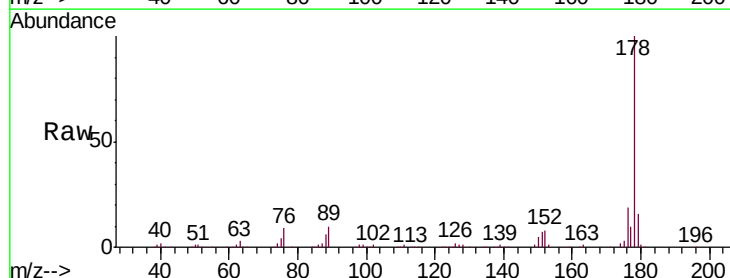


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

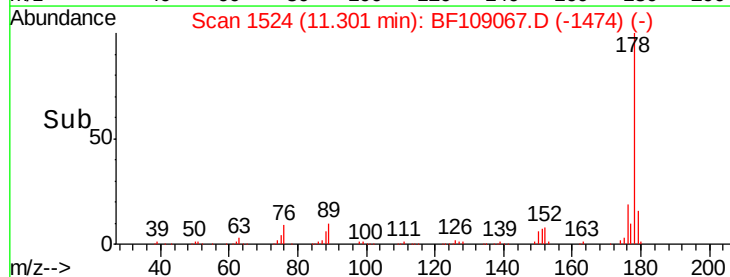
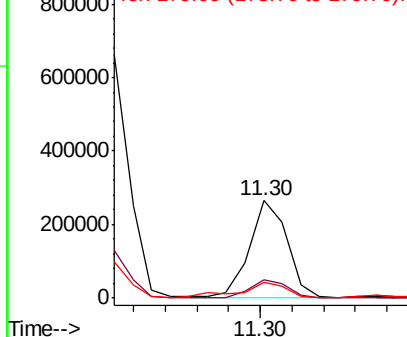


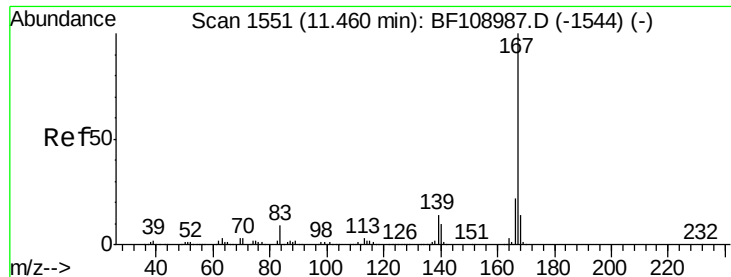
#71
 Anthracene
 Concen: 11.562 ng
 RT: 11.30 min Scan# 1524
 Delta R.T. -0.01 min
 Lab File: BF109067.D
 Acq: 18 Sep 2018 00:48

Tgt Ion:178 Resp: 217867
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.2
 179 15.8 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: 3.871 ng

RT: 11.45 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BF109067.D

Acq: 18 Sep 2018 00:48

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-03_COMP_FILDL

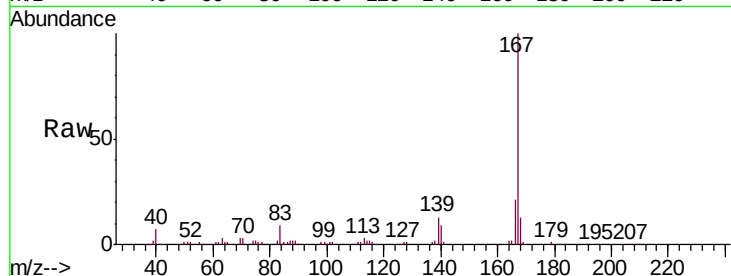
Tgt Ion:167 Resp: 72210

Ion Ratio Lower Upper

167 100

166 21.1 17.6 26.4

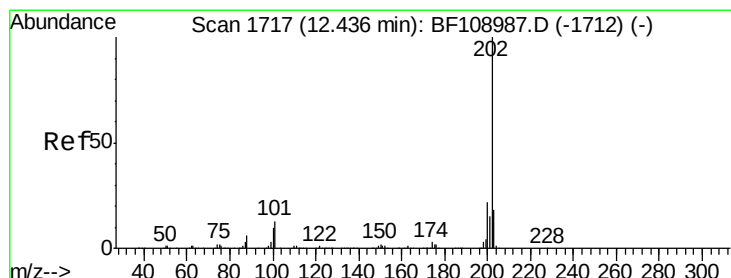
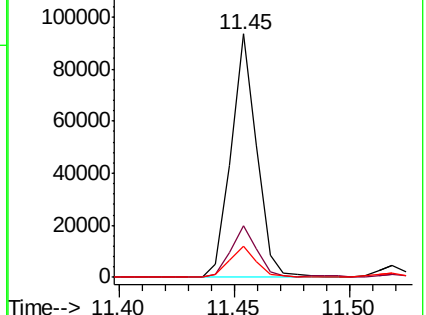
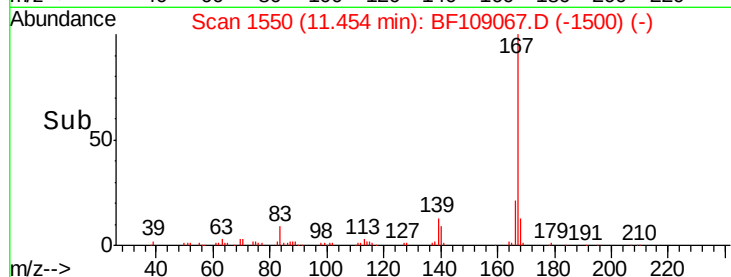
139 12.9 10.9 16.3



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

Fluoranthene

Concen: 17.457 ng

RT: 12.44 min Scan# 1717

Delta R.T. -0.00 min

Lab File: BF109067.D

Acq: 18 Sep 2018 00:48

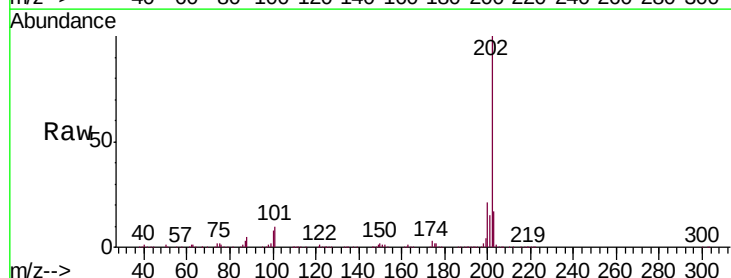
Tgt Ion:202 Resp: 342591

Ion Ratio Lower Upper

202 100

101 10.5 0.0 34.1

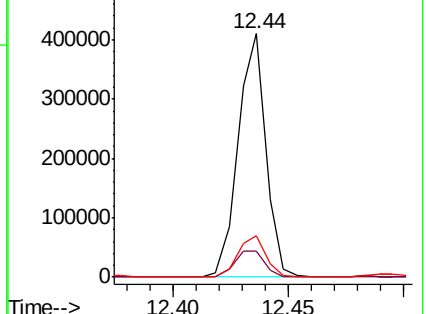
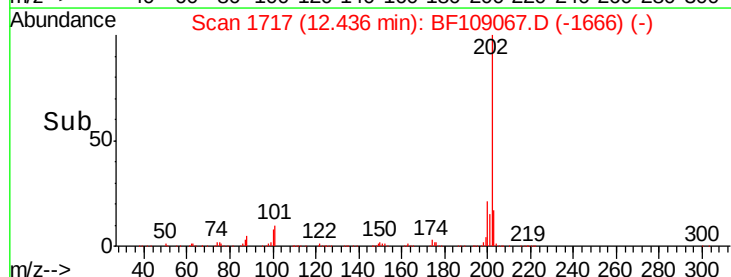
203 16.9 0.0 38.1

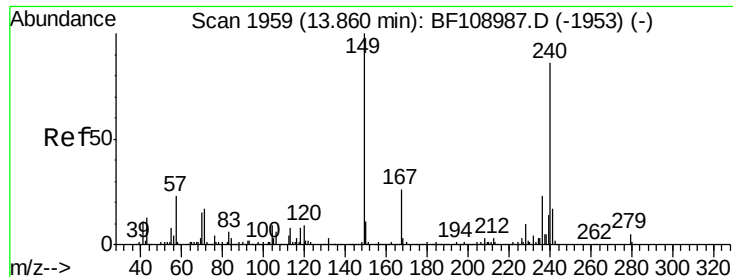


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BF109067.D

Acq: 18 Sep 2018 00:48

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-03_COMP_FILLDL

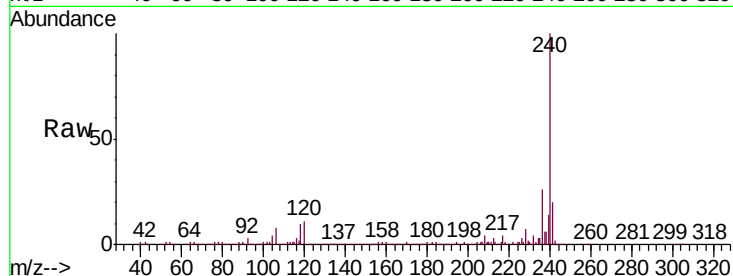
Tgt Ion:240 Resp: 368300

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

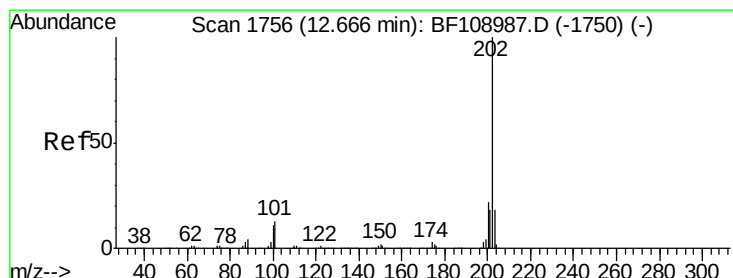
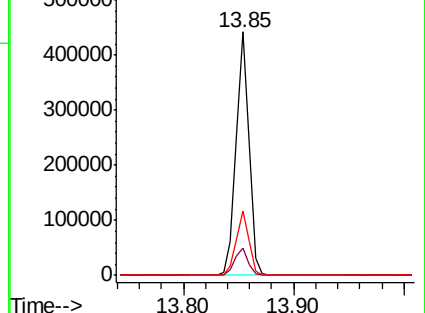
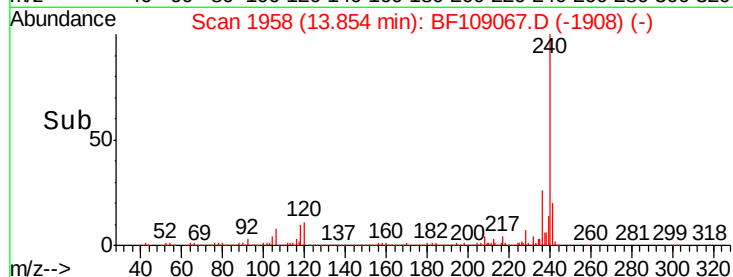
236 26.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 9.938 ng

RT: 12.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF109067.D

Acq: 18 Sep 2018 00:48

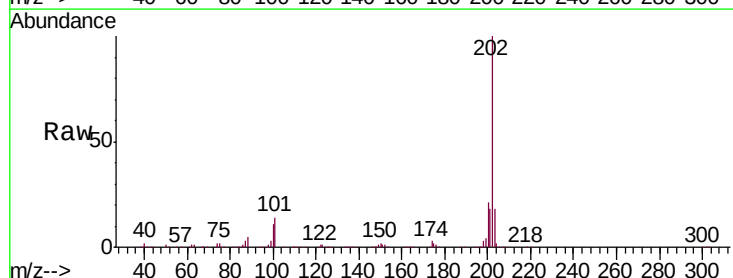
Tgt Ion:202 Resp: 271859

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

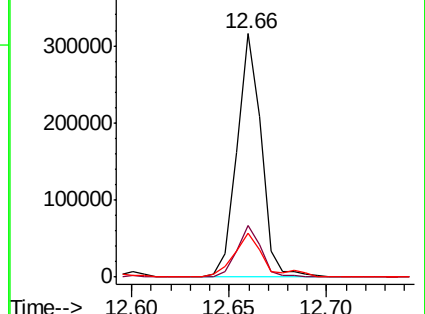
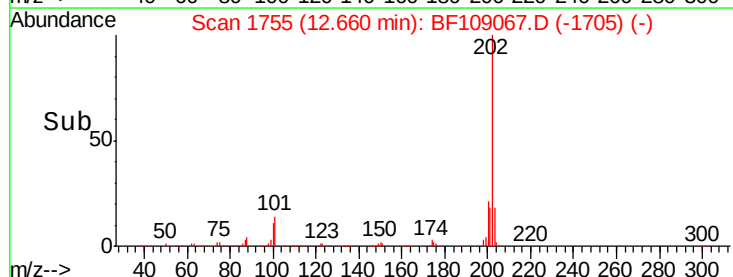
203 18.2 14.3 21.5

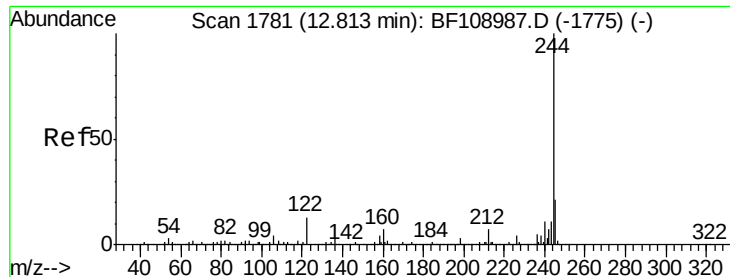


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 1.555 ng

RT: 12.81 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BF109067.D

Acq: 18 Sep 2018 00:48

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-03_COMP_FILDL

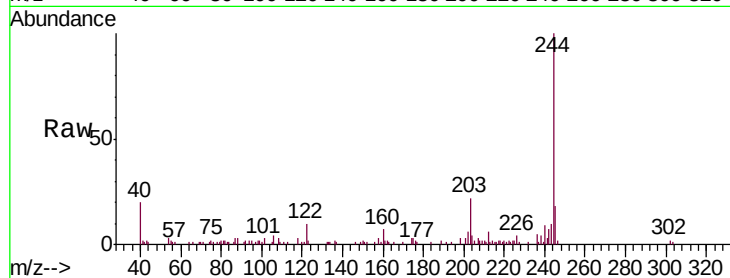
Tgt Ion:244 Resp: 24155

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

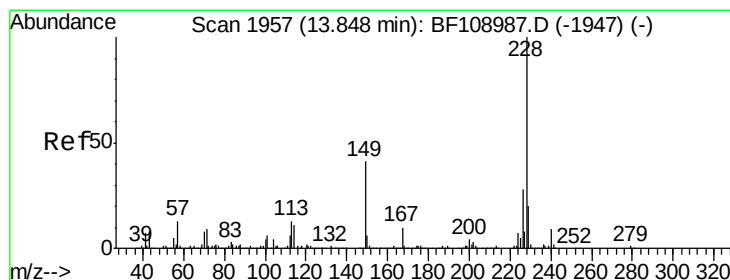
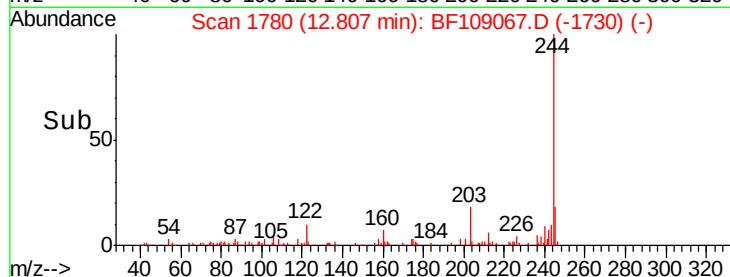
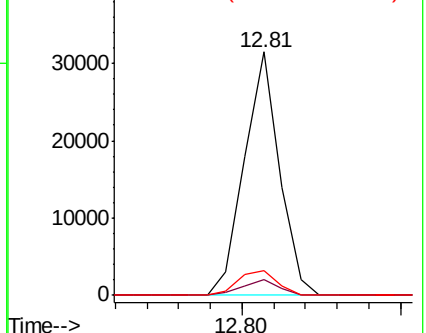
122 10.4 11.0 16.4#



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



#80

Benzo(a)anthracene

Concen: 5.879 ng

RT: 13.84 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BF109067.D

Acq: 18 Sep 2018 00:48

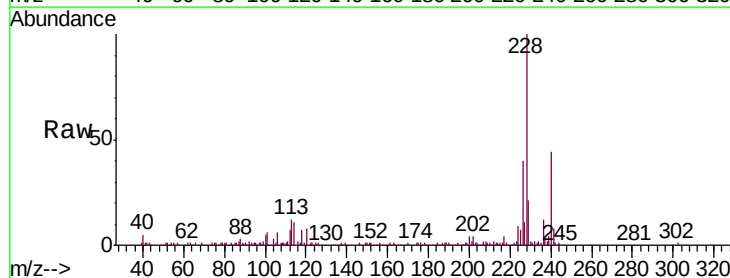
Tgt Ion:228 Resp: 131092

Ion Ratio Lower Upper

228 100

226 39.9 22.6 33.8#

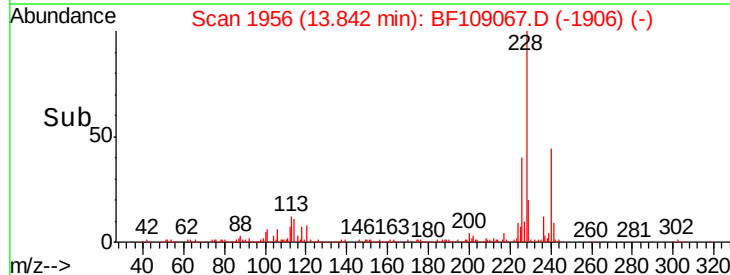
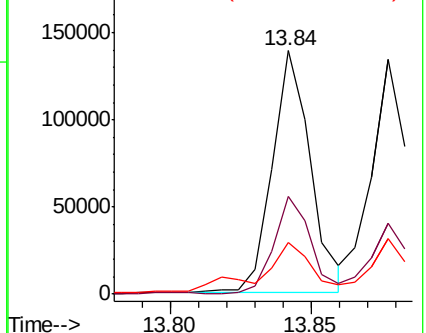
229 21.1 15.8 23.6

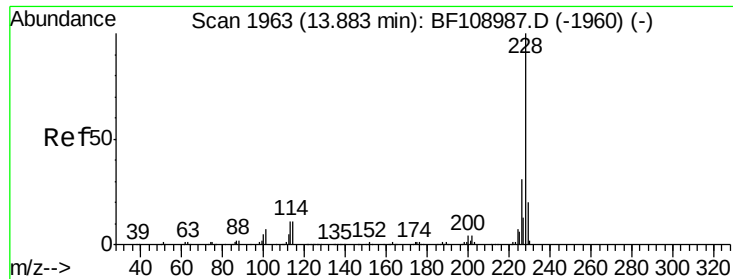


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

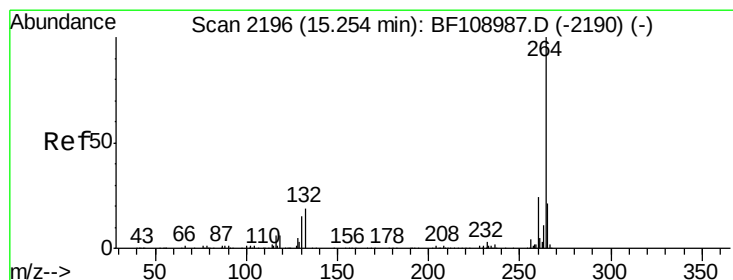
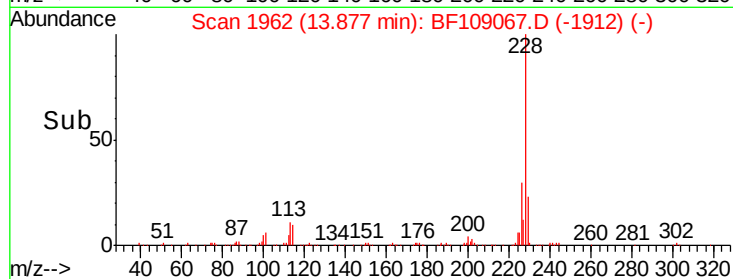
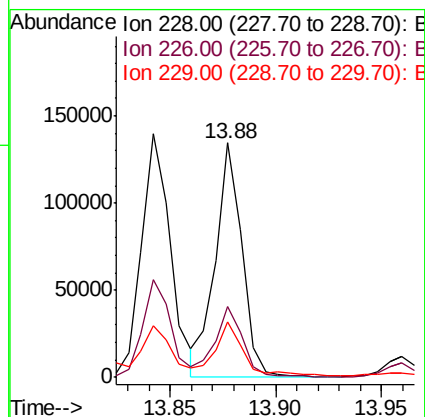
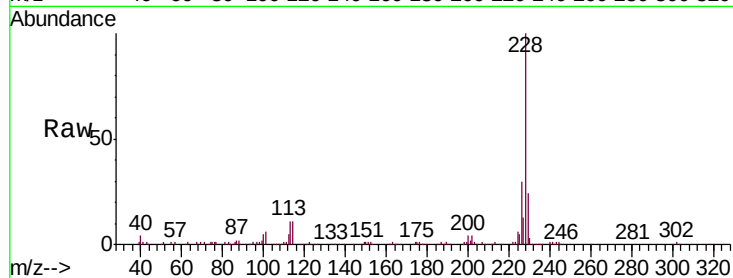




#82
Chrysene
Concen: 5.264 ng
RT: 13.88 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BF109067.D
Acq: 18 Sep 2018 00:48

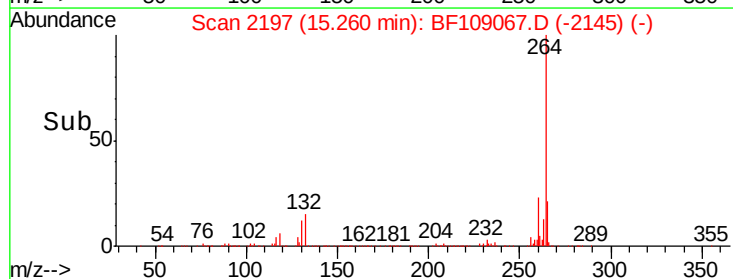
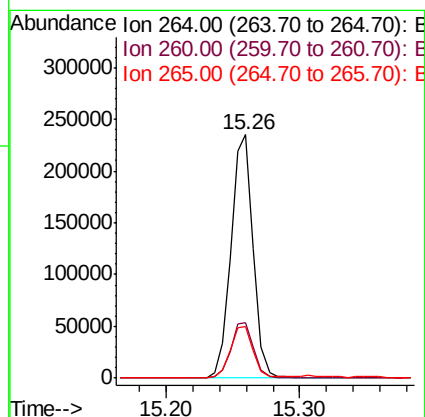
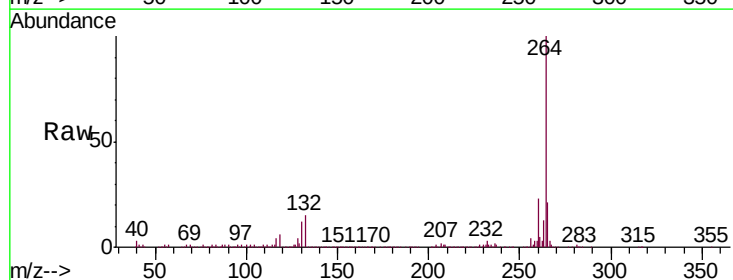
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-03_COMP_FILDL

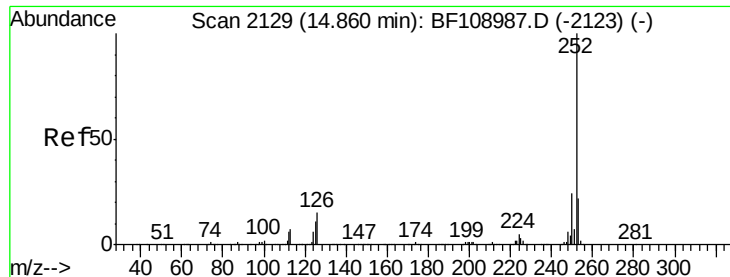
Tgt Ion: 228 Resp: 117426
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.6
229 23.7 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF109067.D
Acq: 18 Sep 2018 00:48

Tgt Ion: 264 Resp: 274296
Ion Ratio Lower Upper
264 100
260 22.9 19.2 28.8
265 21.3 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 7.246 ng

RT: 14.86 min Scan# 2129

Delta R.T. -0.00 min

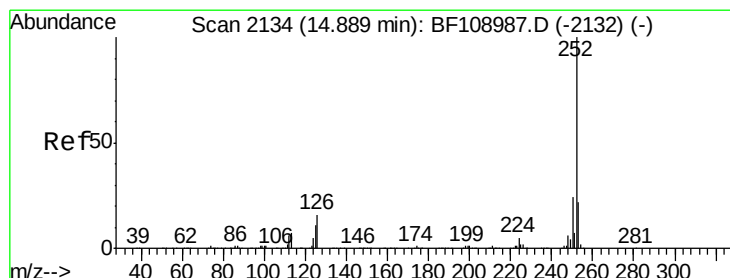
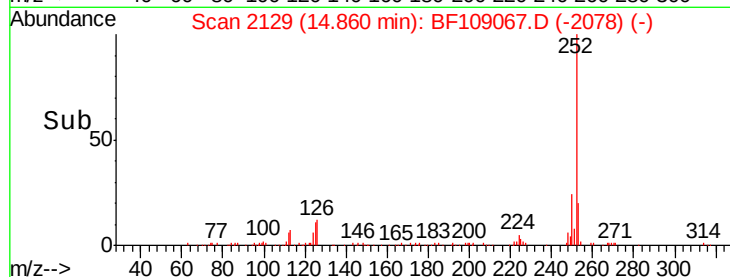
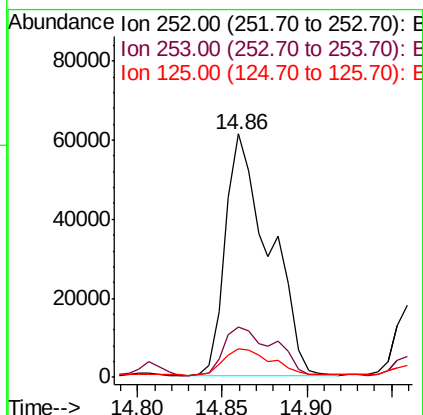
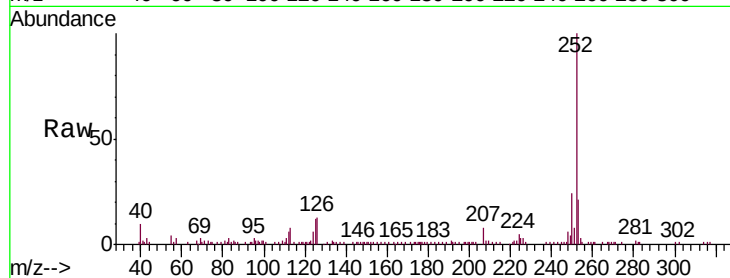
Lab File: BF109067.D

Acq: 18 Sep 2018 00:48

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-03_COMP_FILDL

Tgt Ion:252 Resp: 109954

Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.0	25.6
125	11.6	9.0	13.6



#88

Benzo(k)fluoranthene

Concen: 7.758 ng

RT: 14.86 min Scan# 2129

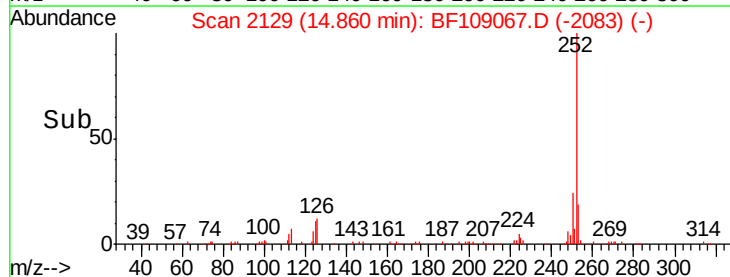
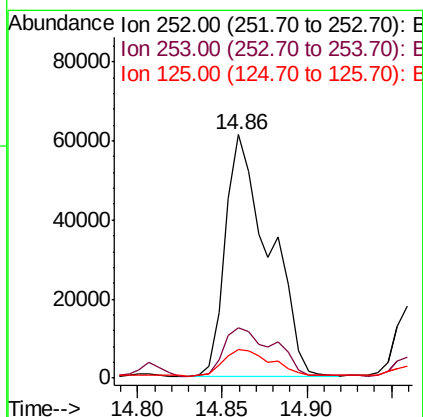
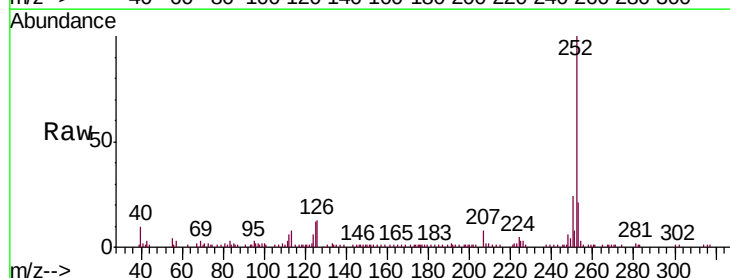
Delta R.T. -0.03 min

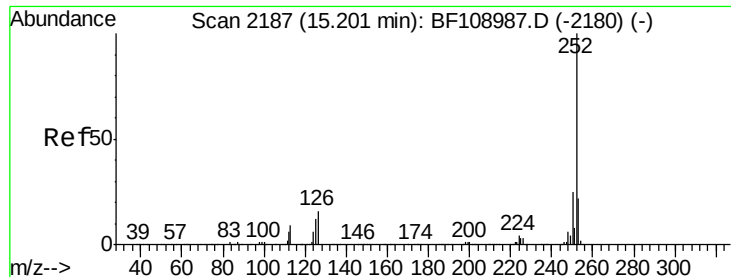
Lab File: BF109067.D

Acq: 18 Sep 2018 00:48

Tgt Ion:252 Resp: 109954

Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.9	26.9
125	11.6	10.2	15.2





#89

Benzo(a)pyrene

Concen: 4.536 ng

RT: 15.19 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BF109067.D

Acq: 18 Sep 2018 00:48

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-03_COMP_FILLDL

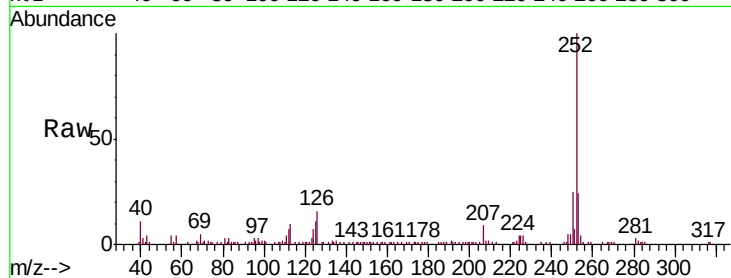
Tgt Ion:252 Resp: 61131

Ion Ratio Lower Upper

252 100

253 24.2 17.1 25.7

125 11.4 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

