

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091418\
 Data File : BF108994.D
 Acq On : 14 Sep 2018 15:03
 Operator : JU/SJ
 Sample : J4898-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 14 16:21:36 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	136248	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	522518	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	256031	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	506220	20.00	ng	0.00
75) Chrysene-d12	13.85	240	369091	20.00	ng	0.00
86) Perylene-d12	15.26	264	373443	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	487406	59.42	ng	0.00
7) Phenol-d6	6.35	99	613405	57.99	ng	-0.01
23) Nitrobenzene-d5	7.28	82	368819	39.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	163580	58.87	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	658954	40.32	ng	0.00
78) Terphenyl-d14	12.81	244	701881	45.07	ng	0.00

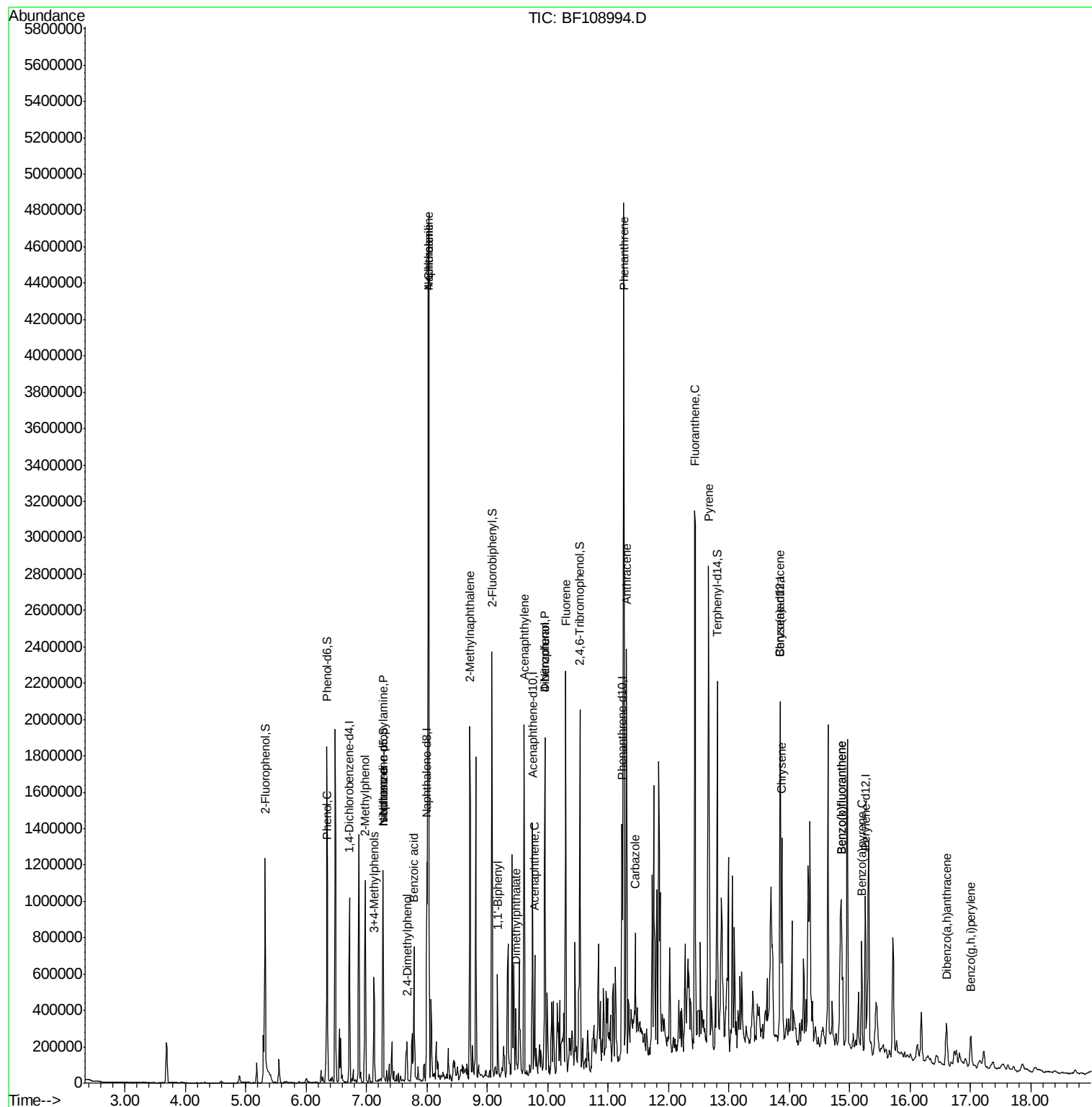
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.36	94	48926	4.111	ng	99
17) 2-Methylphenol	6.97	107	27685	3.696	ng	97
19) n-Nitroso-di-n-propylamine	7.28	70	49468	7.075	ng	# 76
20) 3+4-Methylphenols	7.12	107	121004	13.414	ng	89
25) Isophorone	7.28	82	368254	22.996	ng	# 64
27) 2,4-Dimethylphenol	7.67	122	53359	7.585	ng	# 87
31) Naphthalene	8.03	128	2308592	95.192	ng	98
32) Benzoic acid	7.79	122	103313	22.474	ng	# 14
33) 4-Chloroaniline	8.03	127	324382	30.083	ng	# 34
37) 2-Methylnaphthalene	8.71	142	487501	30.837	ng	98
45) 1,1'-Biphenyl	9.18	154	161541	7.886	ng	94
48) Acenaphthylene	9.61	152	653440	26.420	ng	99
49) Dimethylphthalate	9.47	163	79339	4.336	ng	99
51) Acenaphthene	9.78	154	129844	8.431	ng	99
54) Dibenzofuran	9.95	168	496622	22.314	ng	# 97
55) 4-Nitrophenol	9.95	139	188848	53.638	ng	# 10
57) Fluorene	10.30	166	571393	38.526	ng	99
70) Phenanthrene	11.26	178	1859016	74.915	ng	98
71) Anthracene	11.31	178	807702	32.109	ng	100
72) Carbazole	11.45	167	221550	8.897	ng	98
74) Fluoranthene	12.44	202	1266113	48.330	ng	96
77) Pyrene	12.67	202	1089499	39.740	ng	100
80) Benzo(a)anthracene	13.84	228	512997	22.957	ng	# 86
82) Chrysene	13.88	228	415453	18.582	ng	# 94
87) Benzo(b)fluoranthene	14.86	252	460856	22.307	ng	97
88) Benzo(k)fluoranthene	14.86	252	460856	23.883	ng	99
89) Benzo(a)pyrene	15.20	252	294269	16.039	ng	95
90) Dibenzo(a,h)anthracene	16.61	278	45587	2.957	ng	# 90
91) Benzo(g,h,i)perylene	17.01	276	121729	7.899	ng	93

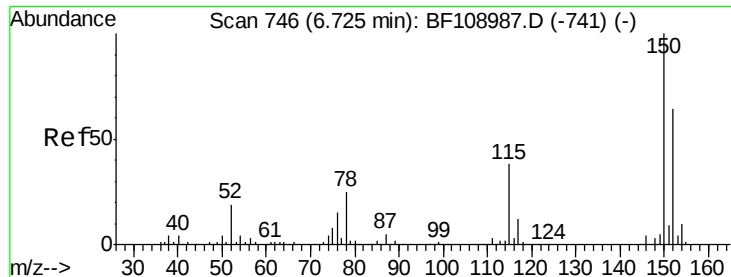
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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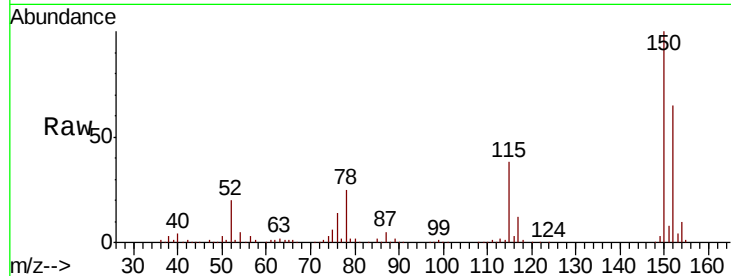


#1

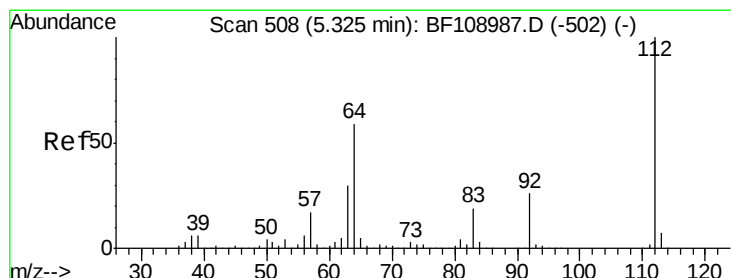
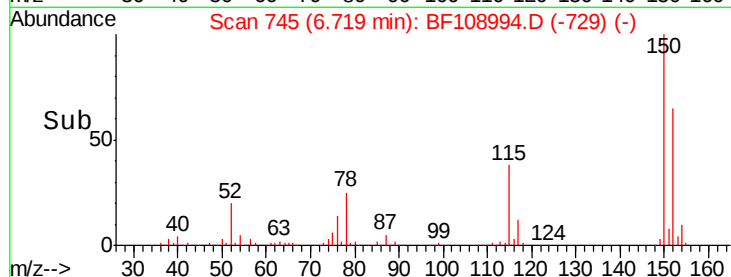
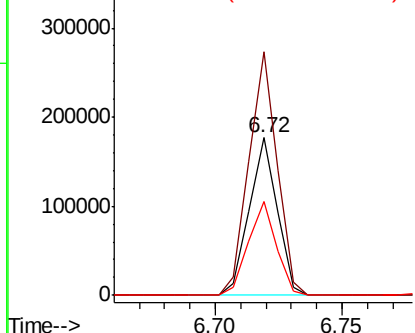
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF108994.D
Acq: 14 Sep 2018 15:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 136248
Ion Ratio Lower Upper
152 100
150 154.4 124.6 186.8
115 59.3 50.1 75.1



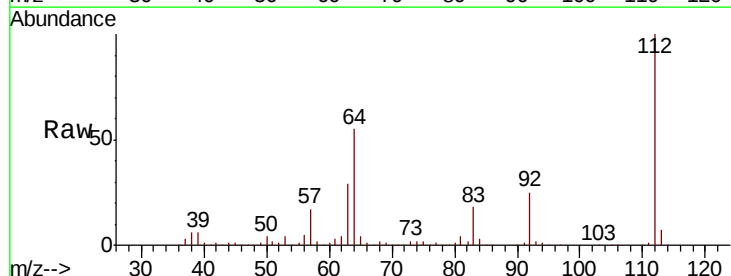
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



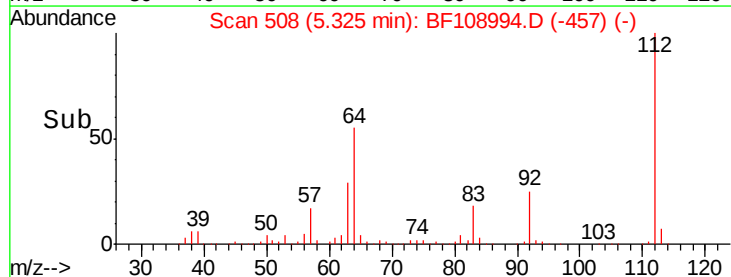
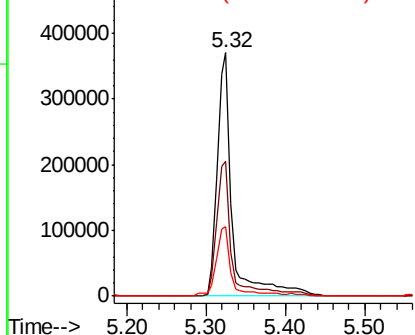
#5

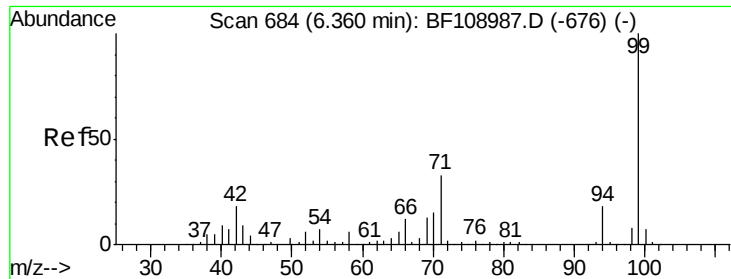
2-Fluorophenol
Concen: 59.416 ng
RT: 5.32 min Scan# 508
Delta R.T. 0.00 min
Lab File: BF108994.D
Acq: 14 Sep 2018 15:03

Tgt Ion:112 Resp: 487406
Ion Ratio Lower Upper
112 100
64 55.5 47.9 71.9
63 28.6 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: 57.990 ng

RT: 6.35 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF108994.D

Acq: 14 Sep 2018 15:03

Instrument :

BNA_F

ClientSampleId :

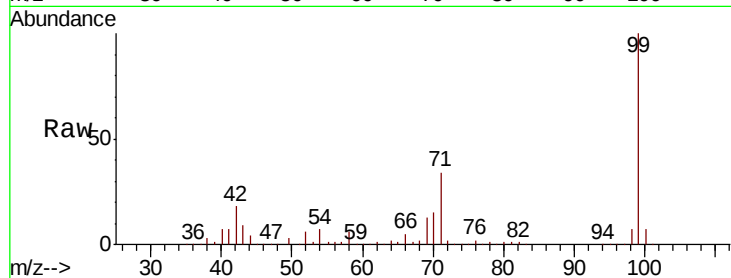
Tot Ion: 99 Resp: 613405

Ion Ratio Lower Upper

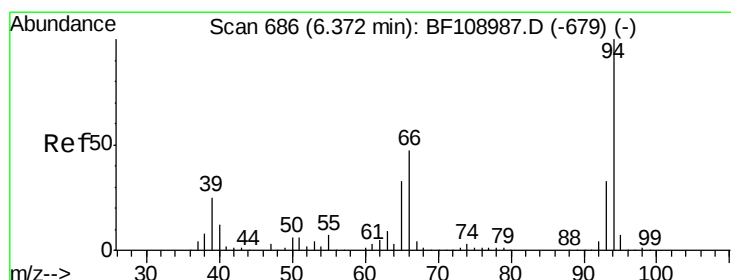
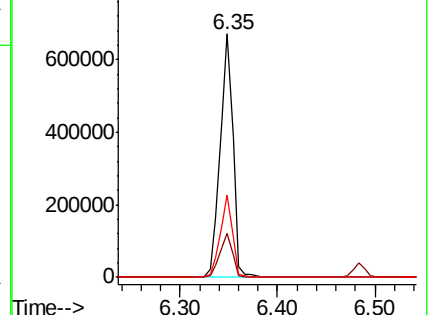
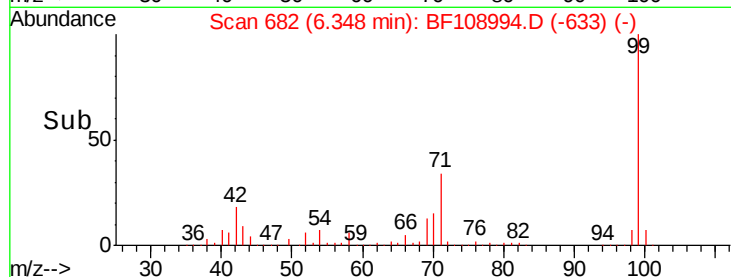
99 100

42 18.3 14.5 21.7

71 33.6 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: 4.111 ng

RT: 6.36 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF108994.D

Acq: 14 Sep 2018 15:03

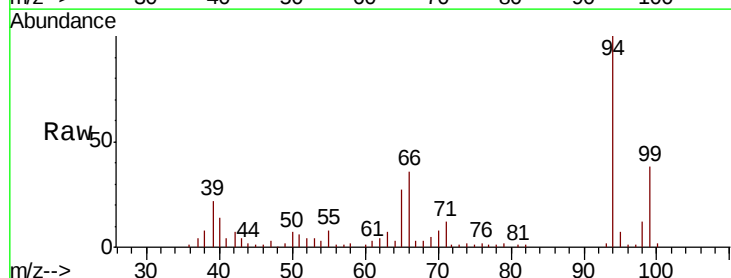
Tgt Ion: 94 Resp: 48926

Ion Ratio Lower Upper

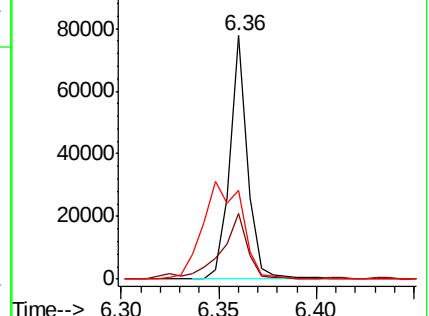
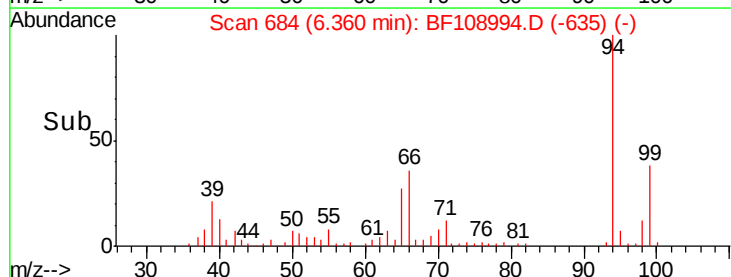
94 100

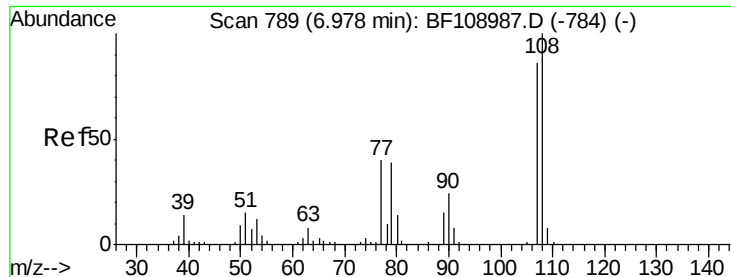
65 26.8 7.9 47.9

66 36.2 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: 3.696 ng

RT: 6.97 min Scan# 788

Delta R.T. -0.01 min

Lab File: BF108994.D

Acq: 14 Sep 2018 15:03

Instrument :

BNA_F

ClientSampled :

Tot Ion:107 Resp: 27685

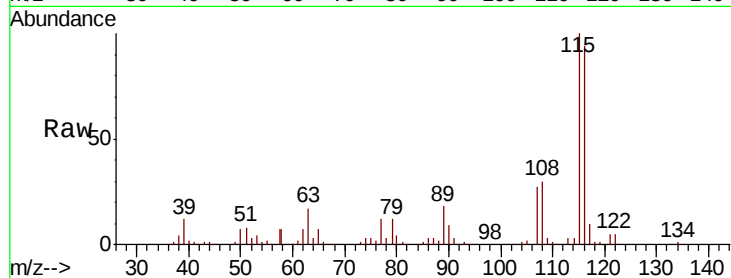
Ion Ratio Lower Upper

107 100

108 113.8 91.7 137.5

77 46.6 33.8 50.8

79 44.3 33.8 50.8

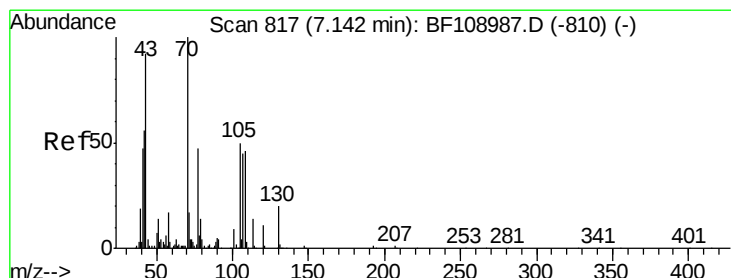
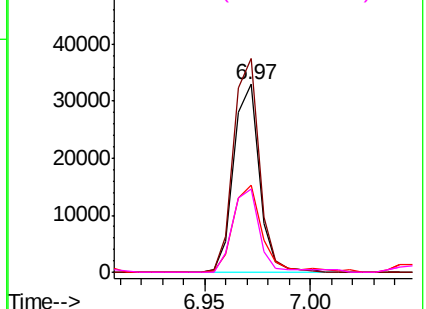
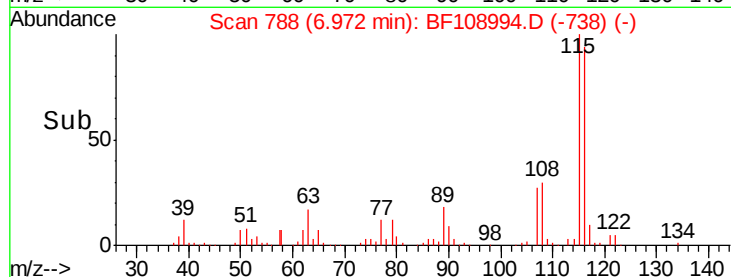


Abundance Ion 107.00 (106.70 to 107.70): E

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



#19

n-Nitroso-di-n-propylamine

Concen: 7.075 ng

RT: 7.28 min Scan# 840

Delta R.T. 0.14 min

Lab File: BF108994.D

Acq: 14 Sep 2018 15:03

Tgt Ion: 70 Resp: 49468

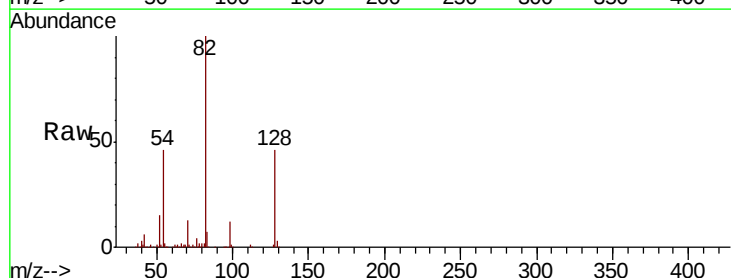
Ion Ratio Lower Upper

70 100

42 45.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

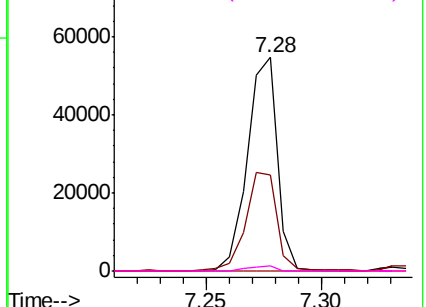
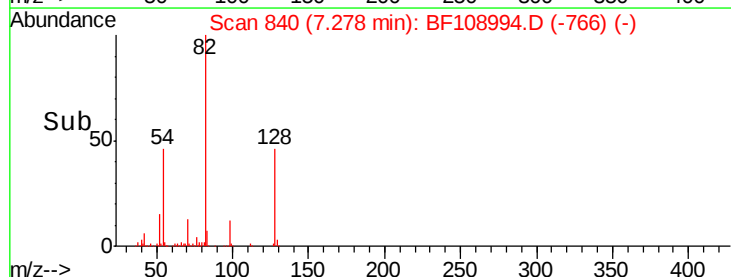


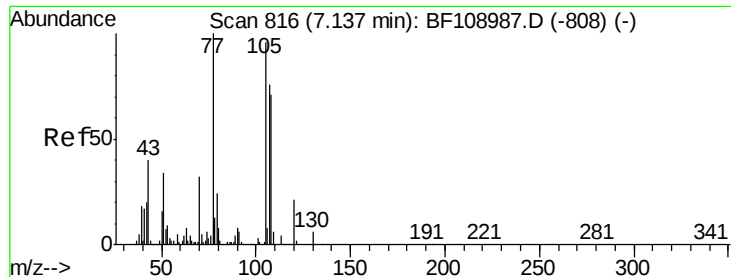
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 13.414 ng

RT: 7.12 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF108994.D

Acq: 14 Sep 2018 15:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:107 Resp: 121004

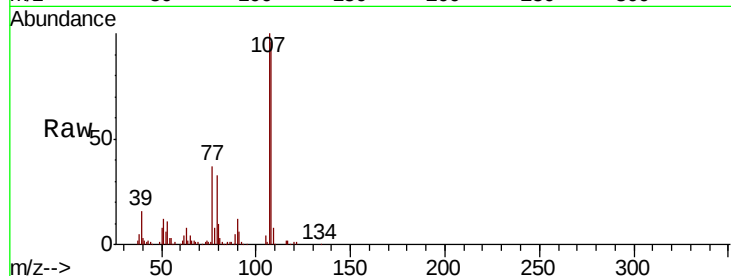
Ion Ratio Lower Upper

107 100

108 96.1 68.2 108.2

77 37.0 26.7 66.7

79 33.3 6.3 46.3

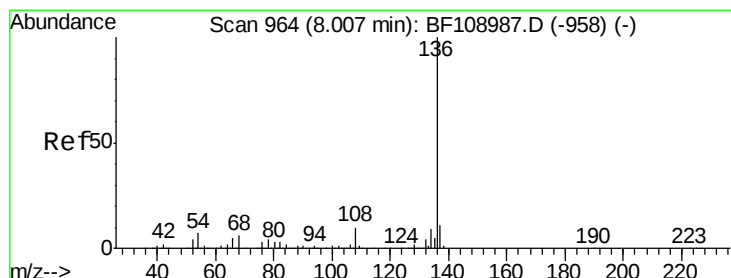
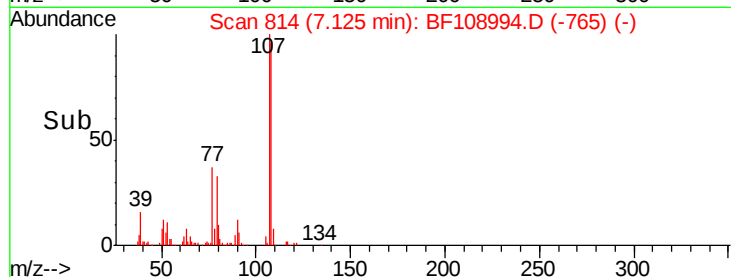
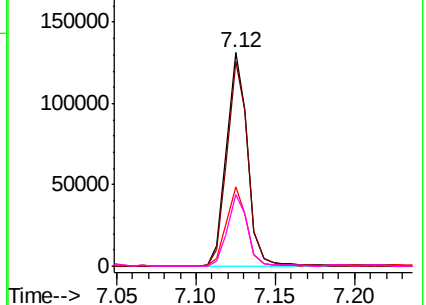


Abundance Ion 107.00 (106.70 to 107.70): E

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: BF108994.D

Acq: 14 Sep 2018 15:03

Tgt Ion:136 Resp: 522518

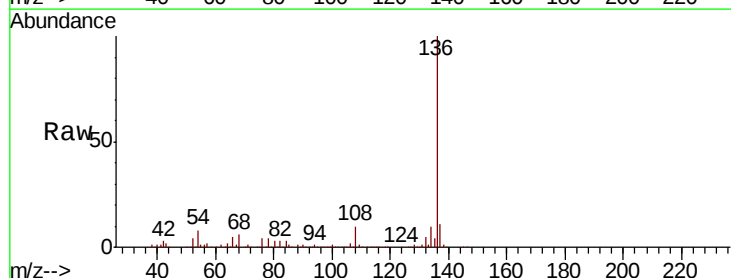
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.7 6.6 9.8

68 6.4 5.0 7.4

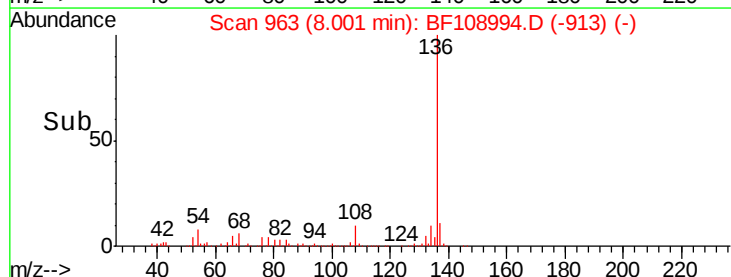
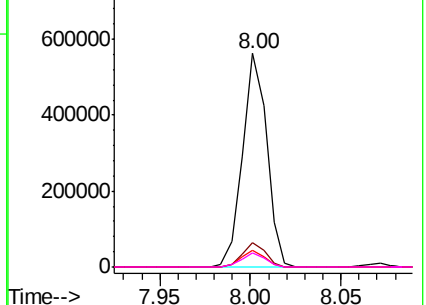


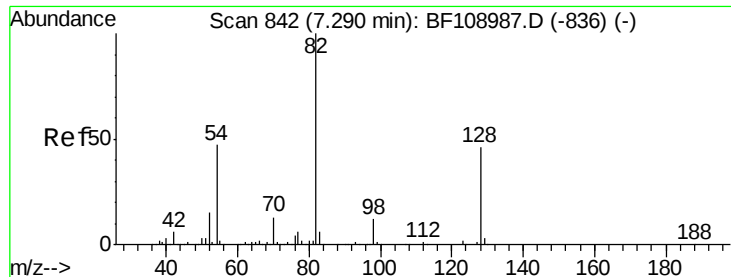
Abundance Ion 136.00 (135.70 to 136.70): E

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

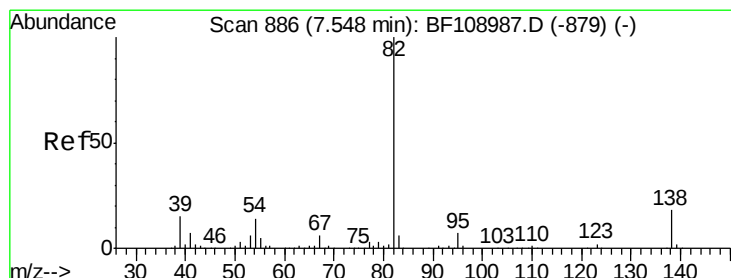
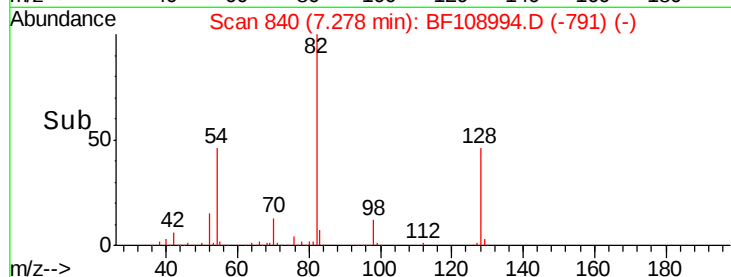
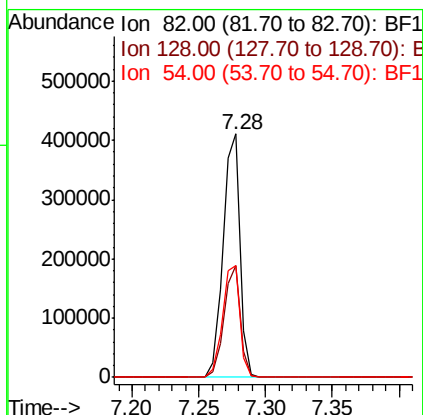
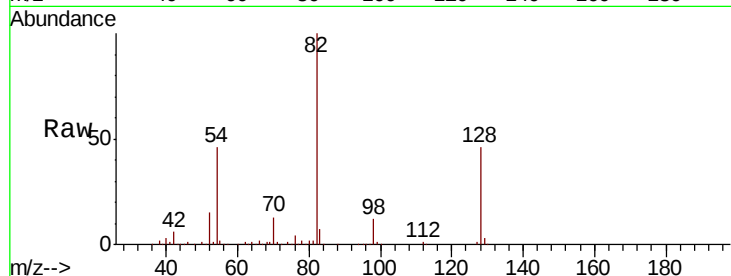




#23
Nitrobenzene-d5
Concen: 39.590 ng
RT: 7.28 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF108994.D
Acq: 14 Sep 2018 15:03

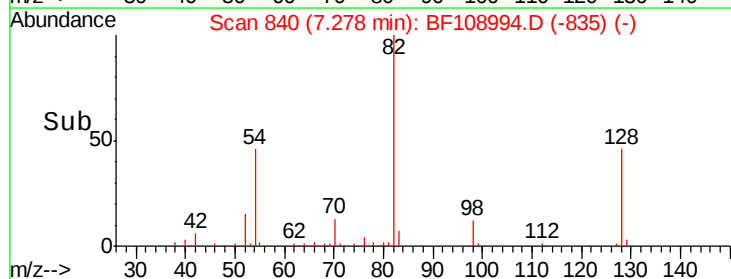
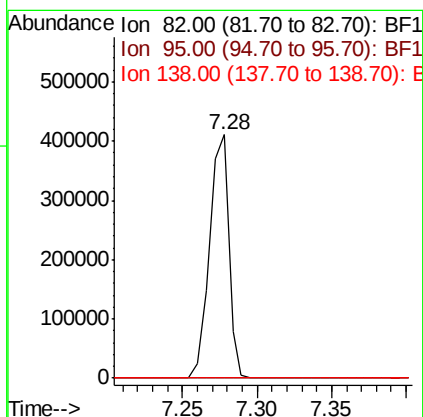
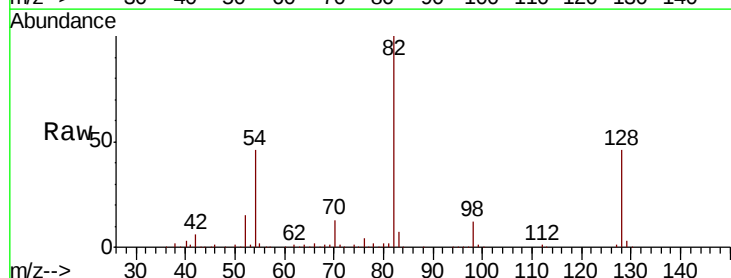
Instrument :
BNA_F
ClientSampleId :

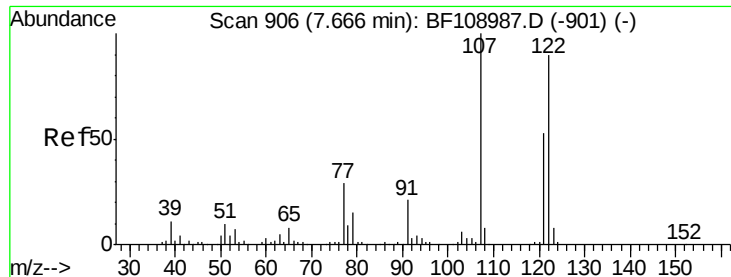
Tot Ion	82	Resp	368819
Ion Ratio	Lower	Upper	
82	100		
128	46.1	36.1	54.1
54	45.8	41.4	62.2



#25
Isophorone
Concen: 22.996 ng
RT: 7.28 min Scan# 840
Delta R.T. -0.27 min
Lab File: BF108994.D
Acq: 14 Sep 2018 15:03

Tgt Ion	82	Resp	368254
Ion Ratio	Lower	Upper	
82	100		
95	0.1	5.2	7.8#
138	0.0	14.9	22.3#





#27

2,4-Dimethylphenol

Concen: 7.585 ng

RT: 7.67 min Scan# 907

Delta R.T. 0.01 min

Lab File: BF108994.D

Acq: 14 Sep 2018 15:03

Instrument :

BNA_F

ClientSampleId :

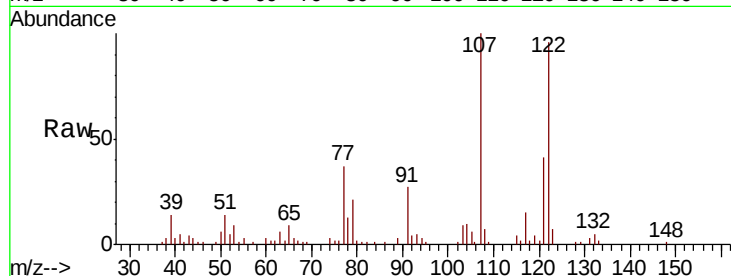
Tot Ion:122 Resp: 53359

Ion Ratio Lower Upper

122 100

107 104.7 91.2 136.8

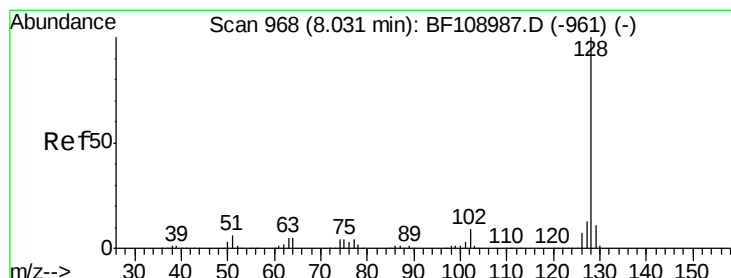
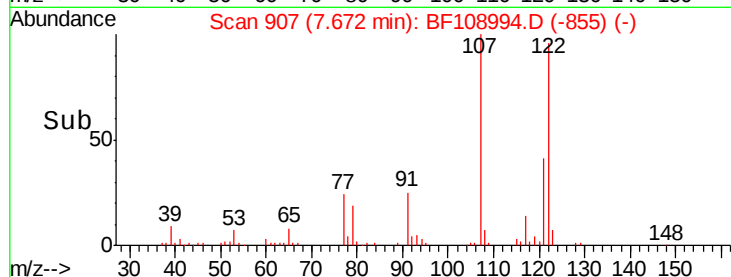
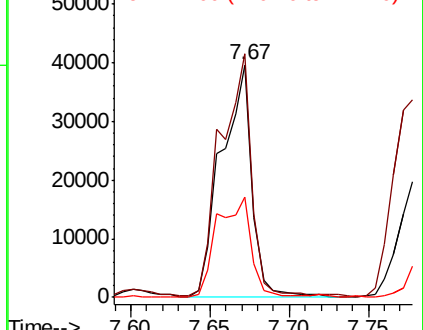
121 43.1 47.2 70.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 95.192 ng

RT: 8.03 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF108994.D

Acq: 14 Sep 2018 15:03

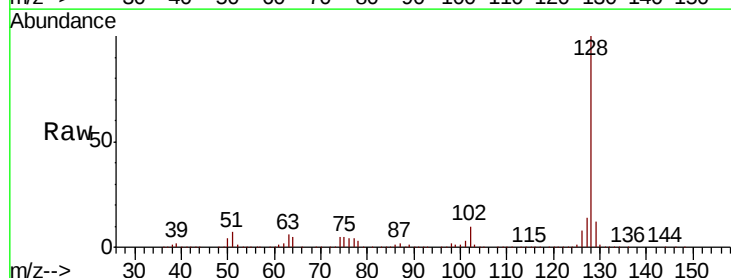
Tgt Ion:128 Resp: 2308592

Ion Ratio Lower Upper

128 100

129 11.9 8.8 13.2

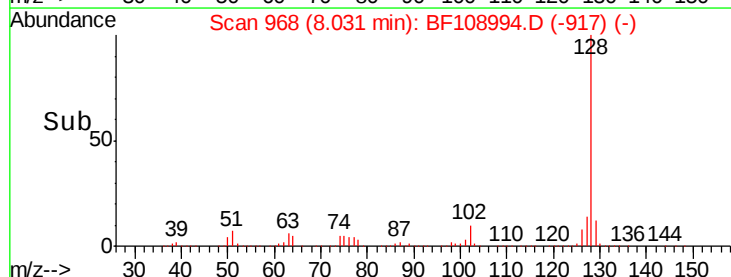
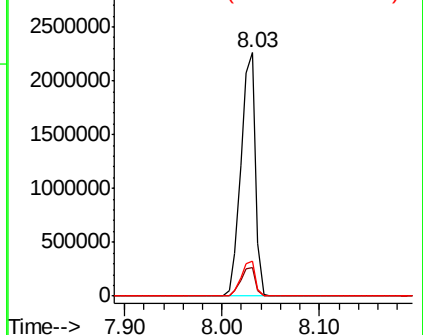
127 14.4 10.9 16.3

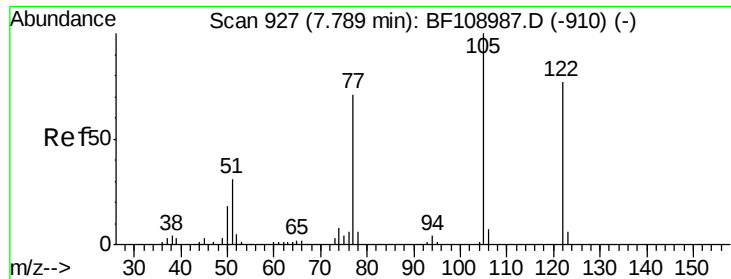


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

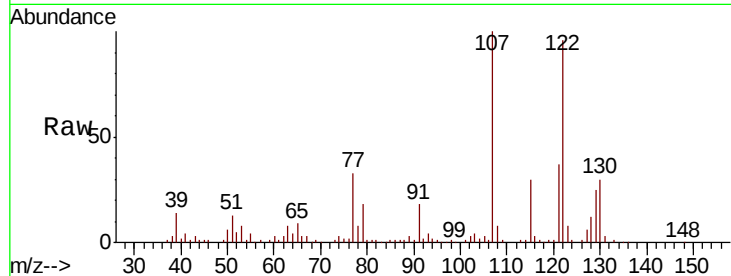




#32
Benzoic acid
Concen: 22.474 ng
RT: 7.79 min Scan# 927
Delta R.T. 0.00 min
Lab File: BF108994.D
Acq: 14 Sep 2018 15:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
105	3.3	101.1	141.1#
77	34.2	70.7	110.7#

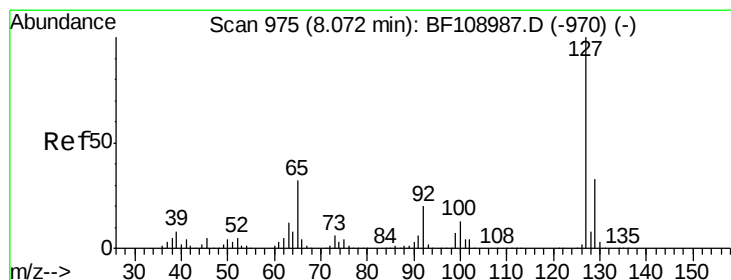
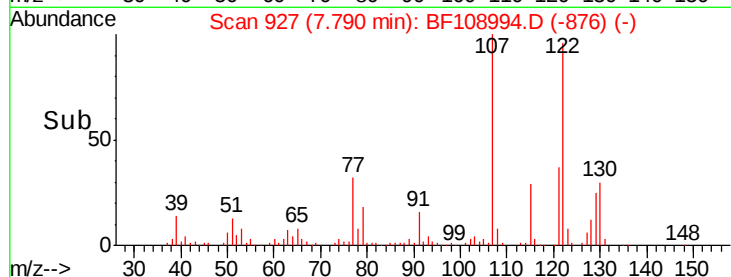
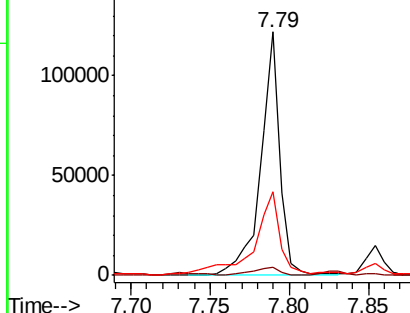


Abundance

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: 30.083 ng
RT: 8.03 min Scan# 968
Delta R.T. -0.04 min
Lab File: BF108994.D
Acq: 14 Sep 2018 15:03

Tgt Ion	Ratio	Lower	Upper
127	100		
129	82.8	25.9	38.9#
65	0.0	25.0	37.4#
92	0.1	15.2	22.8#

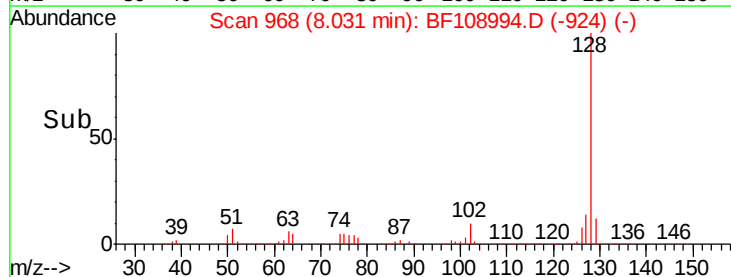
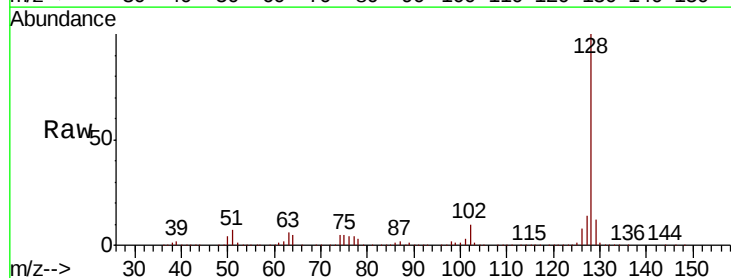
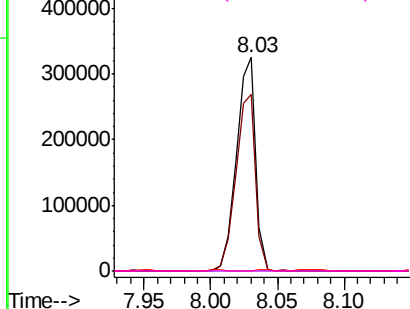
Abundance

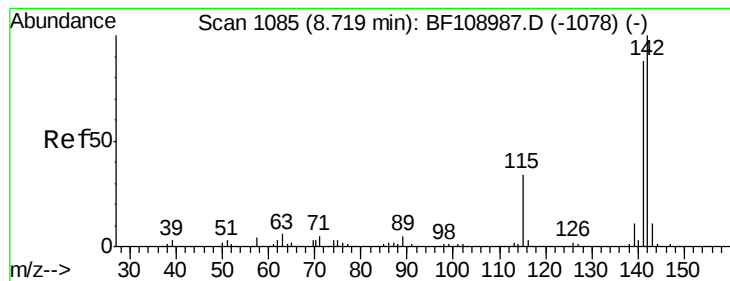
Ion 127.00 (126.70 to 127.70): E

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

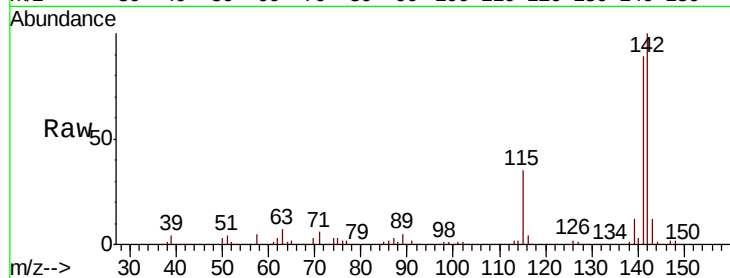




#37
2-Methylnaphthalene
Concen: 30.837 ng
RT: 8.71 min Scan# 1084
Delta R.T. -0.01 min
Lab File: BF108994.D
Acq: 14 Sep 2018 15:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.8	106.2
115	35.4	26.1	39.1

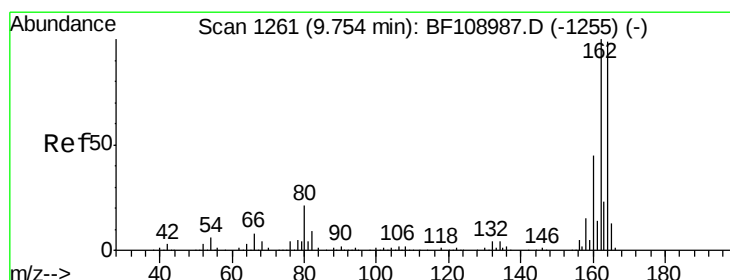
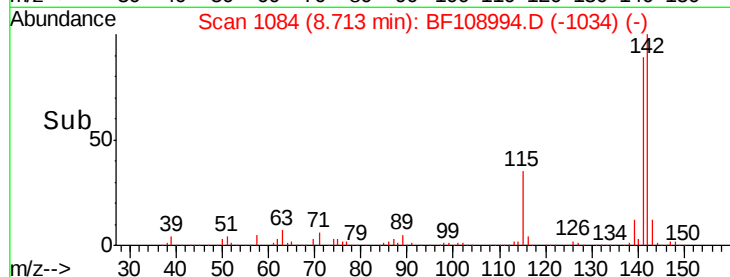
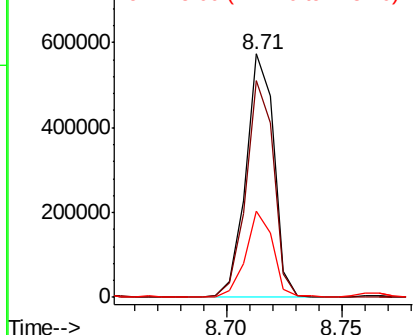


Abundance

Ion 142.00 (141.70 to 142.70): E

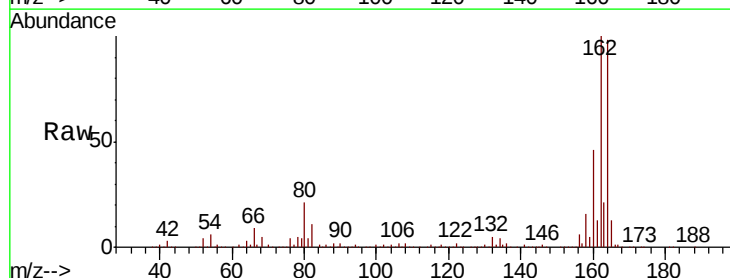
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF108994.D
Acq: 14 Sep 2018 15:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	86.1	129.1
160	47.0	38.3	57.5

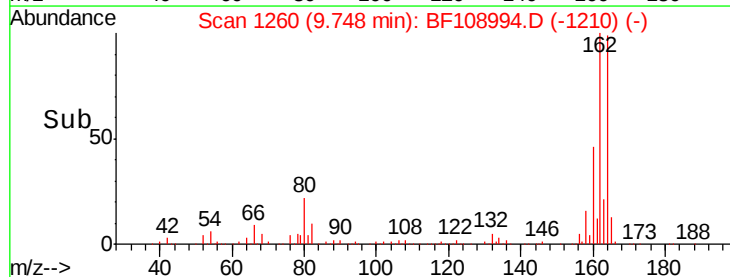
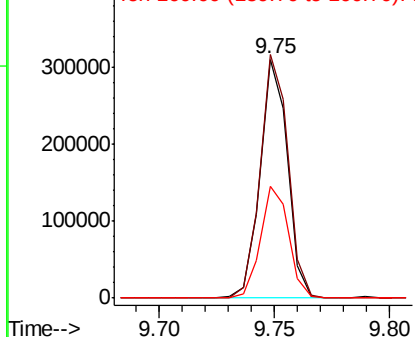


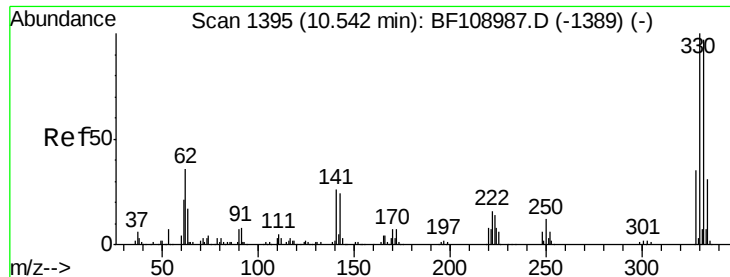
Abundance

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

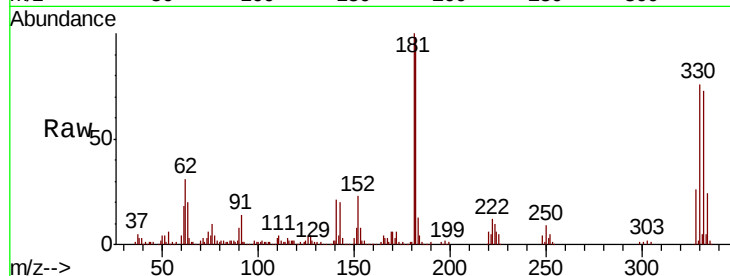




#41
 2,4,6-Tribromophenol
 Concen: 58.871 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF108994.D
 Acq: 14 Sep 2018 15:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	32.0	29.9	44.9

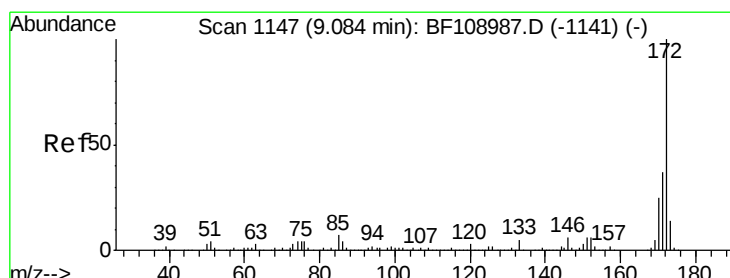
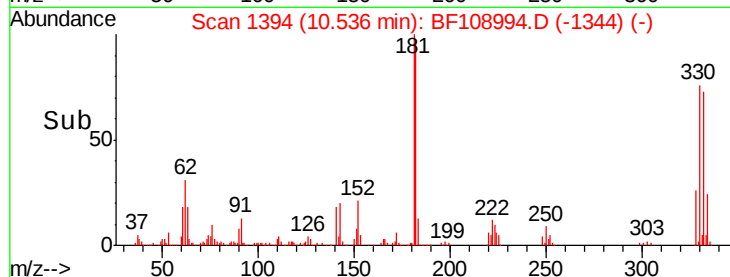
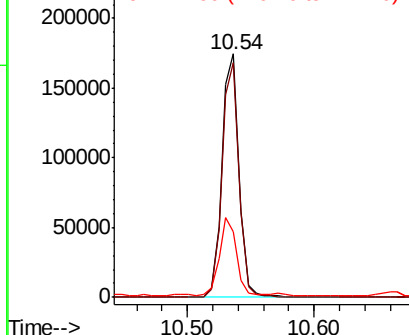


Abundance

Ion 329.80 (329.50 to 330.50): E

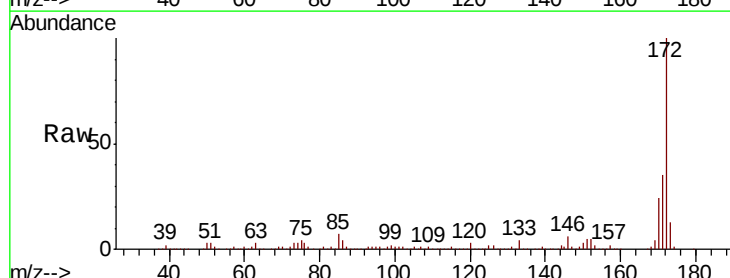
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 40.323 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF108994.D
 Acq: 14 Sep 2018 15:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.9	19.6	29.4

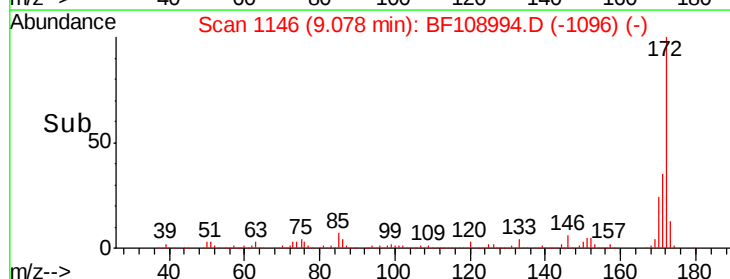
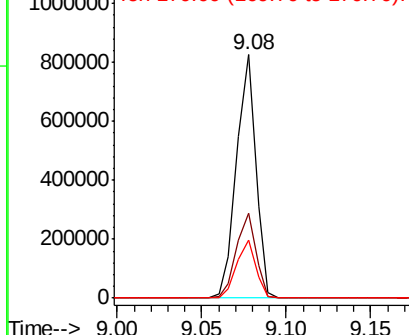


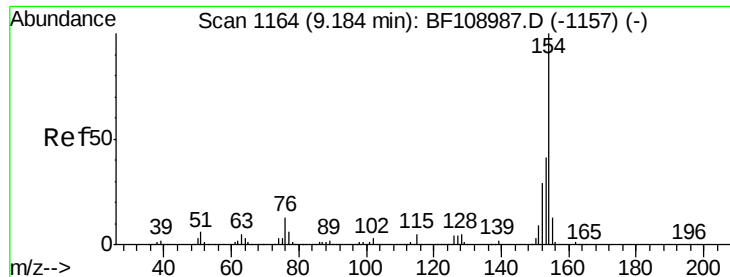
Abundance

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

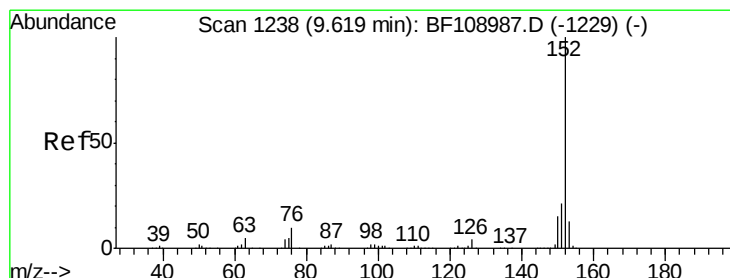
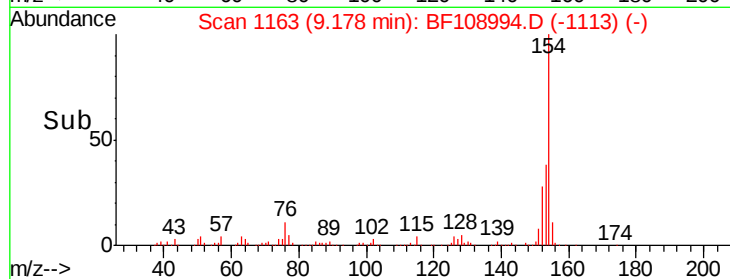
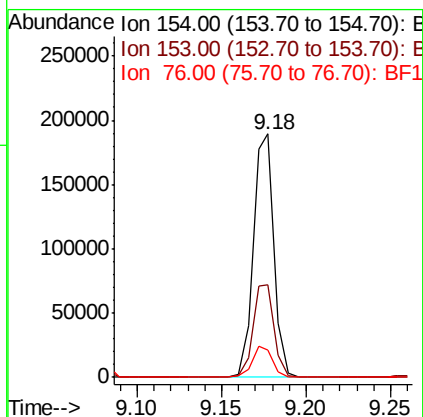
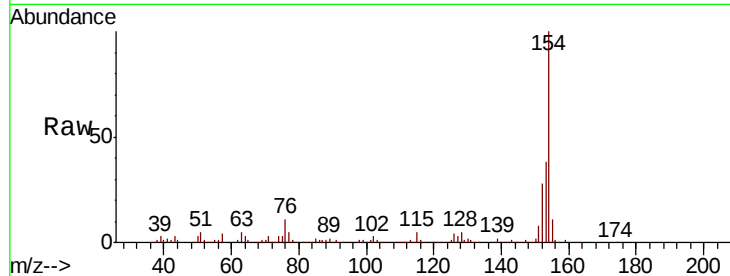




#45
 1,1'-Biphenyl
 Concen: 7.886 ng
 RT: 9.18 min Scan# 1163
 Delta R.T. -0.01 min
 Lab File: BF108994.D
 Acq: 14 Sep 2018 15:03

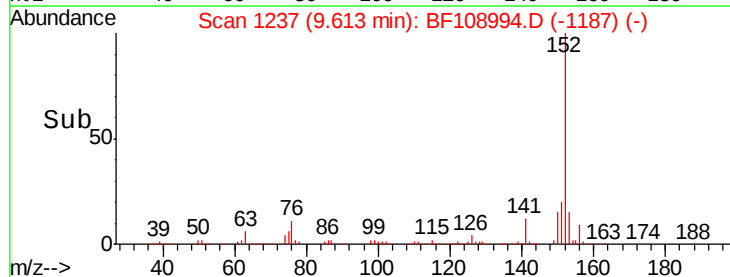
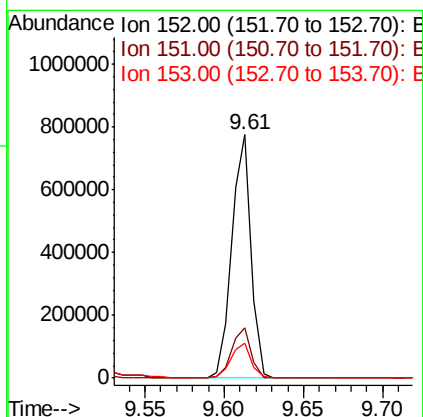
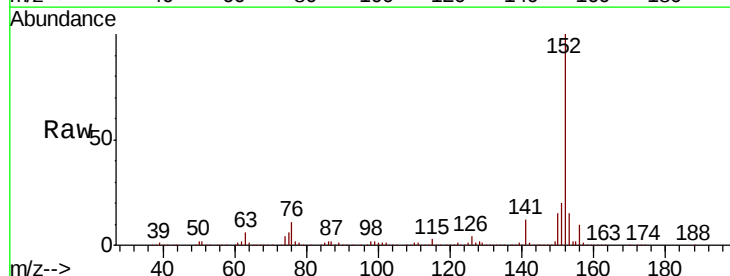
Instrument :
 BNA_F
 ClientSampleId :

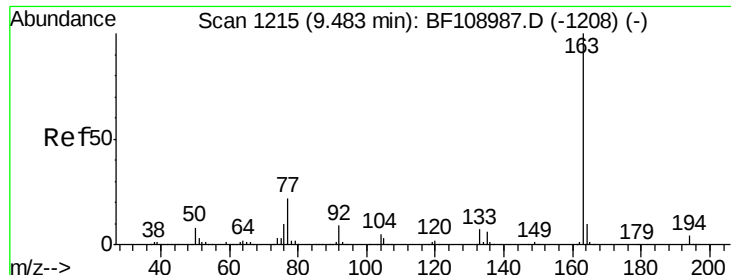
Tot Ion	Ratio	Lower	Upper
154	100		
153	38.1	21.3	61.3
76	11.0	0.0	34.0



#48
 Acenaphthylene
 Concen: 26.420 ng
 RT: 9.61 min Scan# 1237
 Delta R.T. -0.01 min
 Lab File: BF108994.D
 Acq: 14 Sep 2018 15:03

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.3	24.5
153	14.6	10.7	16.1

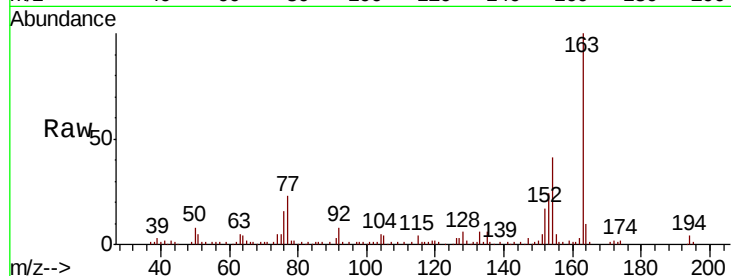




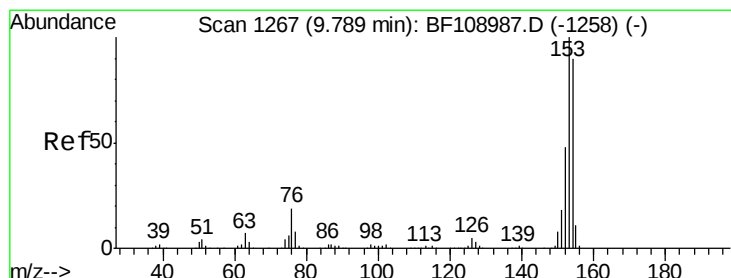
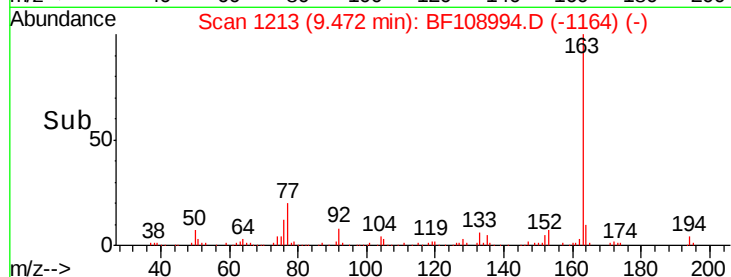
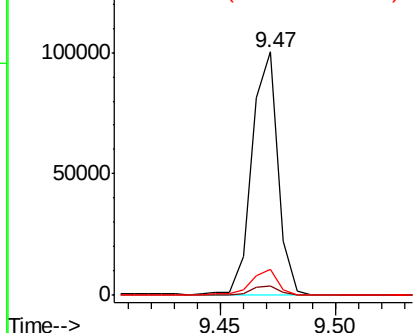
#49
Dimethylphthalate
Concen: 4.336 ng
RT: 9.47 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF108994.D
Acq: 14 Sep 2018 15:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 79339
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.5 8.2 12.2

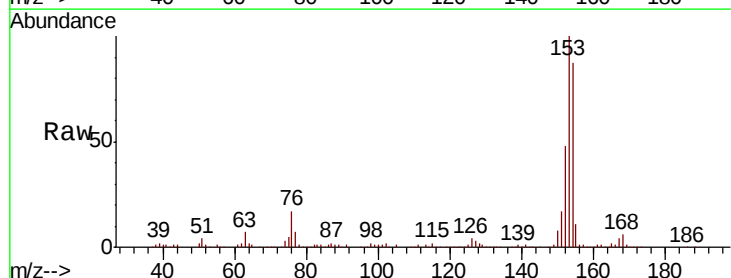


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

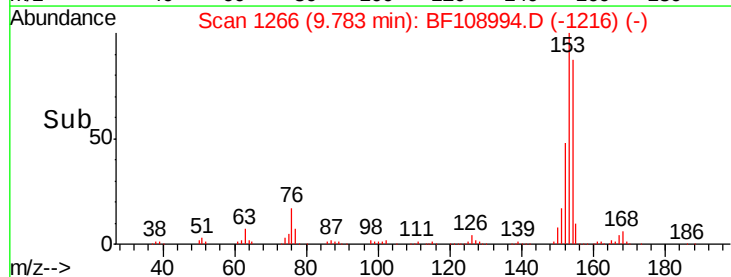
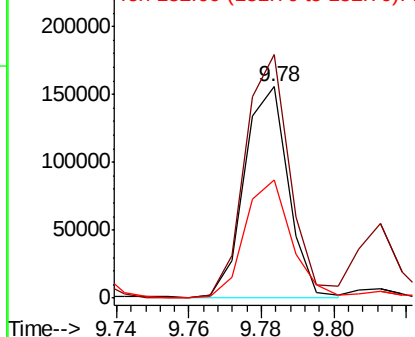


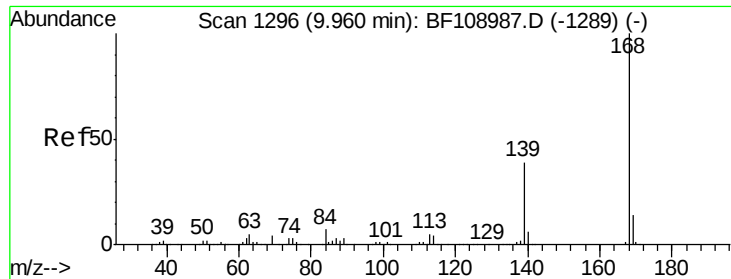
#51
Acenaphthene
Concen: 8.431 ng
RT: 9.78 min Scan# 1266
Delta R.T. -0.01 min
Lab File: BF108994.D
Acq: 14 Sep 2018 15:03

Tgt Ion:154 Resp: 129844
Ion Ratio Lower Upper
154 100
153 115.2 91.2 136.8
152 55.7 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

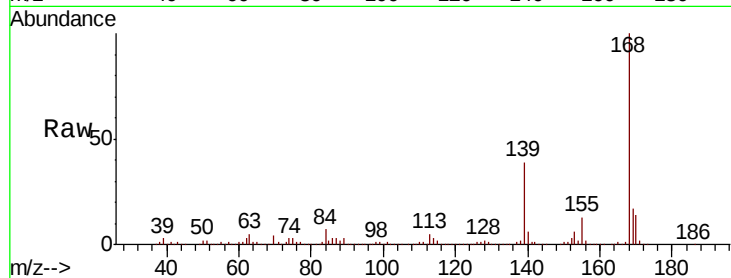




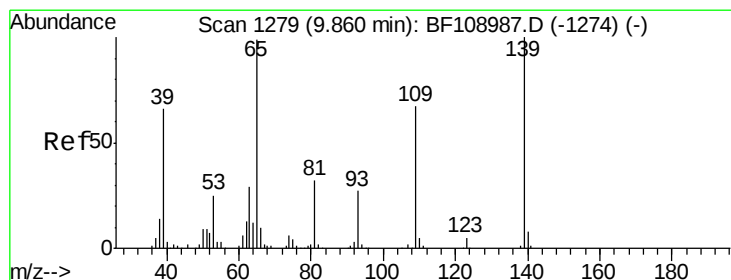
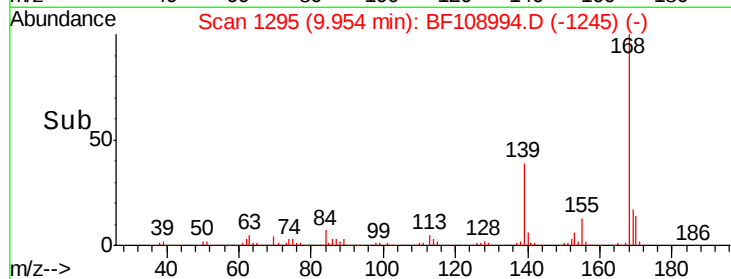
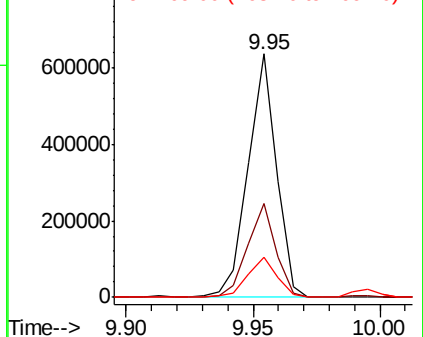
#54
Dibenzenofuran
Concen: 22.314 ng
RT: 9.95 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF108994.D
Acq: 14 Sep 2018 15:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 496622
Ion Ratio Lower Upper
168 100
139 38.7 30.1 45.1
169 16.6 10.9 16.3#

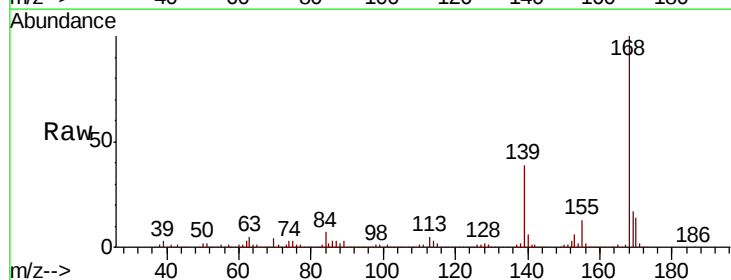


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

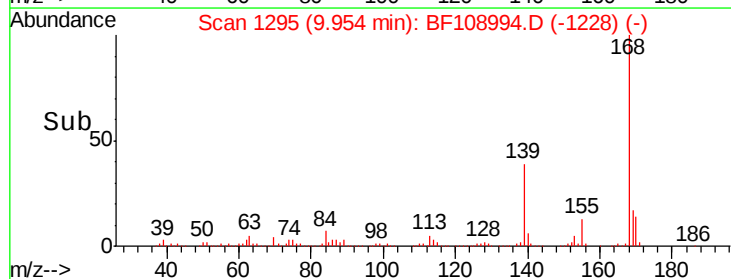
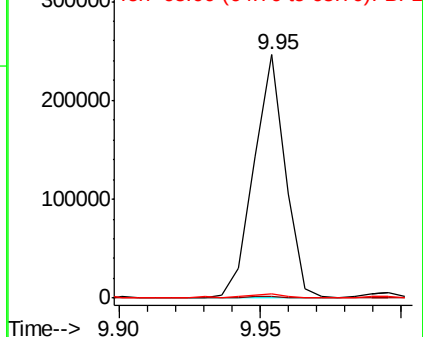


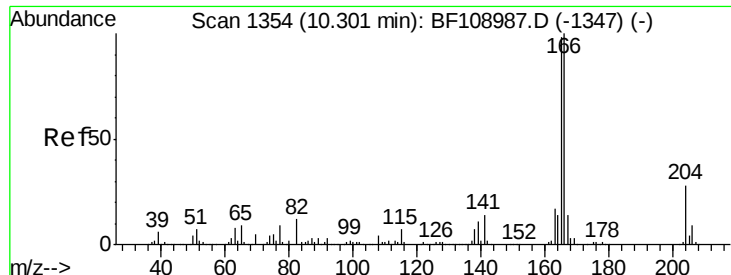
#55
4-Nitrophenol
Concen: 53.638 ng
RT: 9.95 min Scan# 1295
Delta R.T. 0.09 min
Lab File: BF108994.D
Acq: 14 Sep 2018 15:03

Tgt Ion:139 Resp: 188848
Ion Ratio Lower Upper
139 100
109 0.9 48.4 88.4#
65 1.9 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

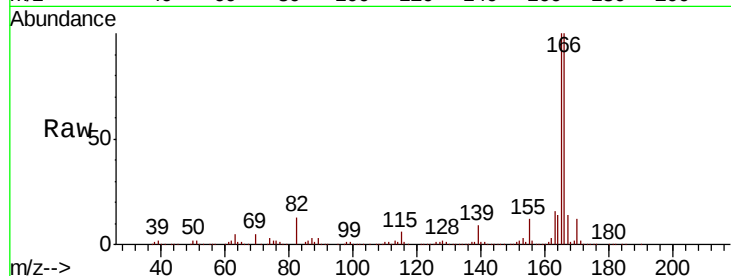




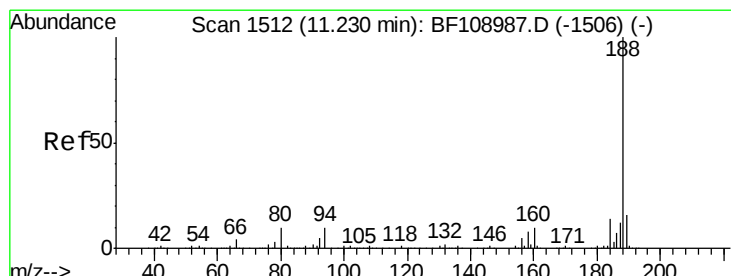
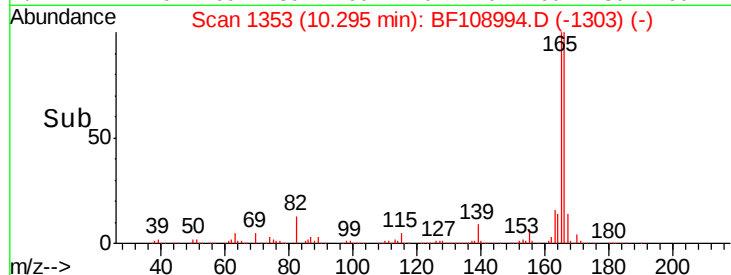
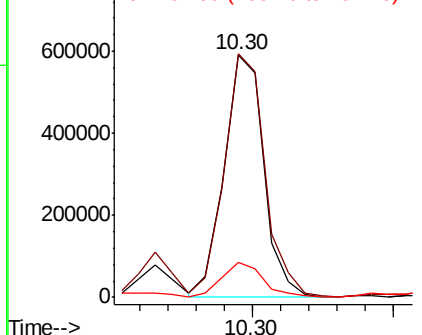
#57
 Fluorene
 Concen: 38.526 ng
 RT: 10.30 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: BF108994.D
 Acq: 14 Sep 2018 15:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 571393
 Ion Ratio Lower Upper
 166 100
 165 100.3 79.8 119.8
 167 14.3 10.6 16.0

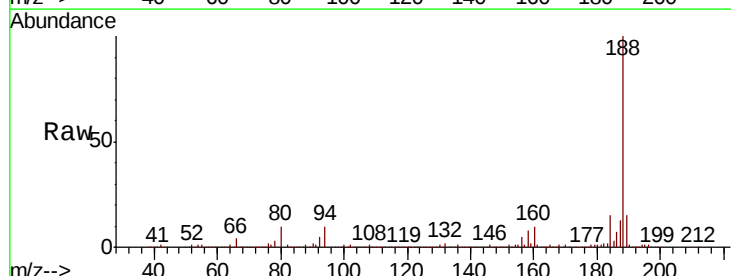


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

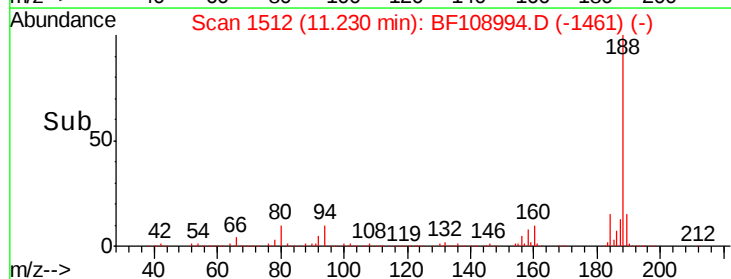
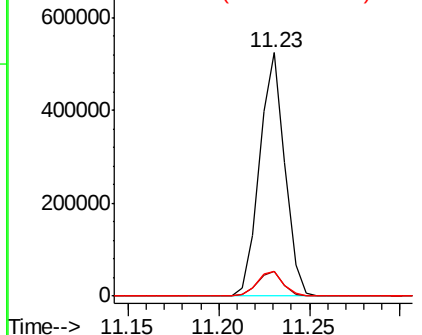


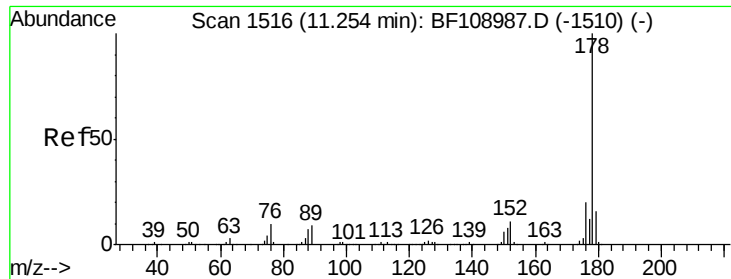
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1512
 Delta R.T. 0.00 min
 Lab File: BF108994.D
 Acq: 14 Sep 2018 15:03

Tgt Ion:188 Resp: 506220
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.5 12.7
 80 10.2 9.2 13.8



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





#70

Phenanthrene

Concen: 74.915 ng

RT: 11.26 min Scan# 1517

Delta R.T. 0.01 min

Lab File: BF108994.D

Acq: 14 Sep 2018 15:03

Instrument :

BNA_F

ClientSampleId :

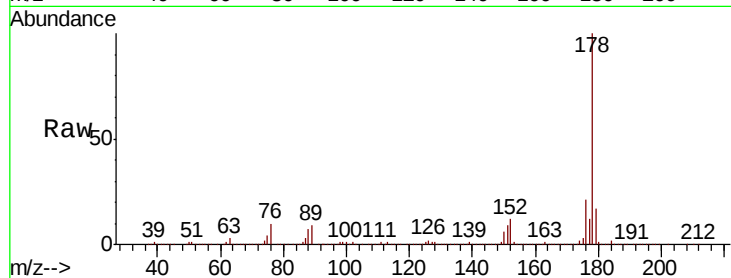
Tot Ion:178 Resp: 1859016

Ion Ratio Lower Upper

178 100

176 21.3 15.8 23.8

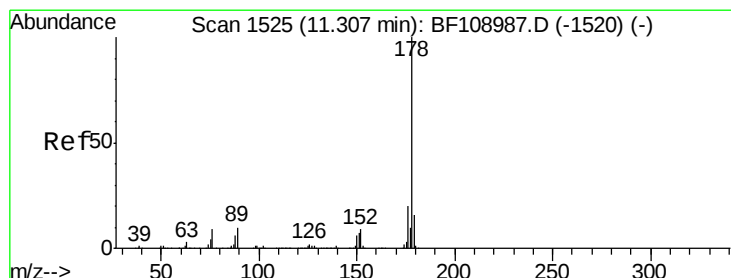
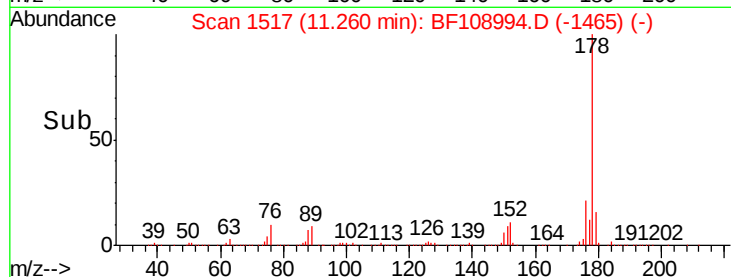
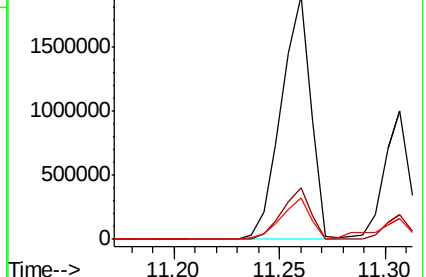
179 16.8 13.0 19.6



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: 32.109 ng

RT: 11.31 min Scan# 1525

Delta R.T. 0.00 min

Lab File: BF108994.D

Acq: 14 Sep 2018 15:03

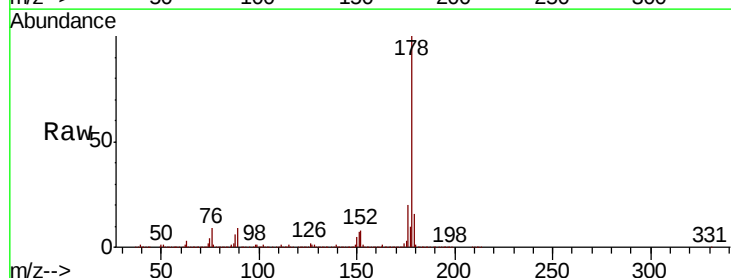
Tgt Ion:178 Resp: 807702

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

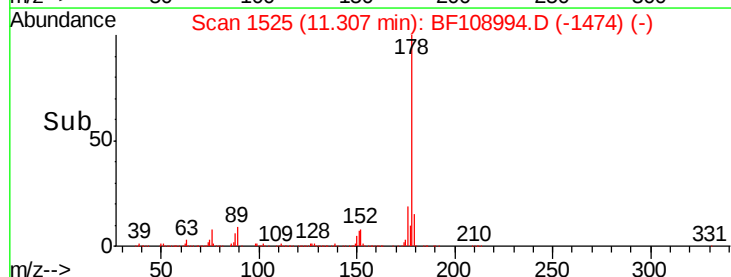
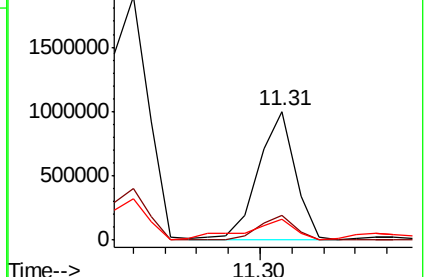
179 15.8 12.6 19.0

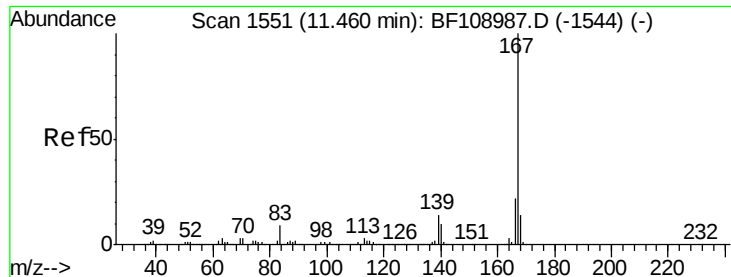


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 8.897 ng

RT: 11.45 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BF108994.D

Acq: 14 Sep 2018 15:03

Instrument :

BNA_F

ClientSampleId :

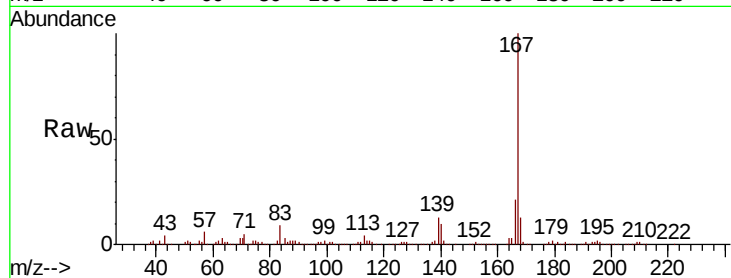
Tot Ion:167 Resp: 221550

Ion Ratio Lower Upper

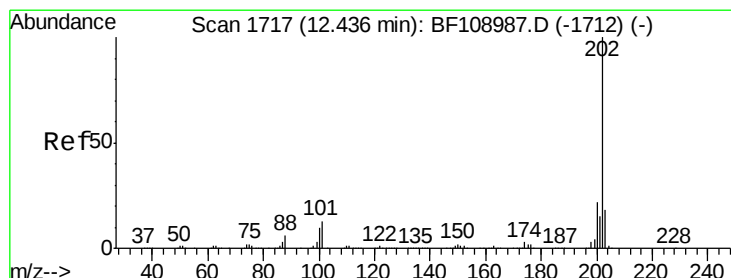
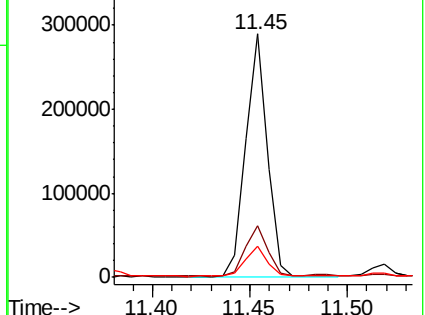
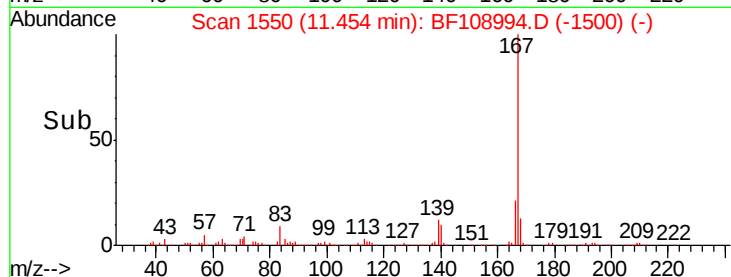
167 100

166 21.2 17.6 26.4

139 12.8 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: 48.330 ng

RT: 12.44 min Scan# 1718

Delta R.T. 0.01 min

Lab File: BF108994.D

Acq: 14 Sep 2018 15:03

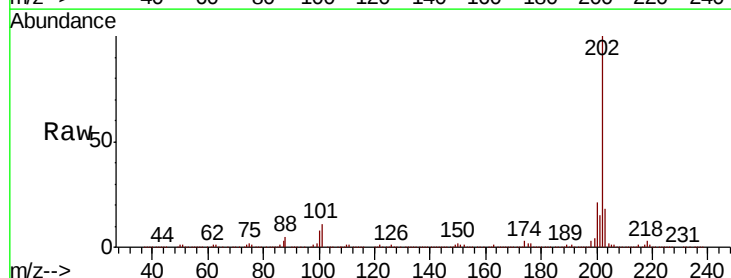
Tgt Ion:202 Resp: 1266113

Ion Ratio Lower Upper

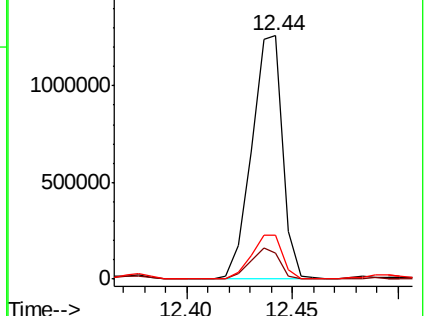
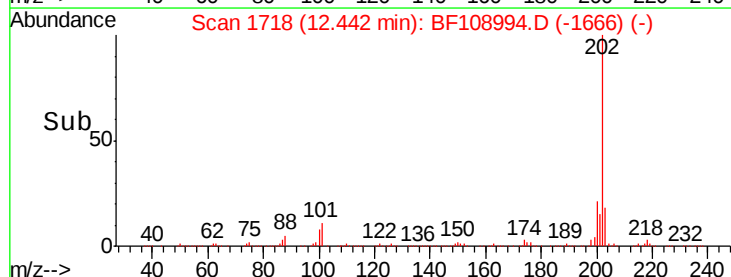
202 100

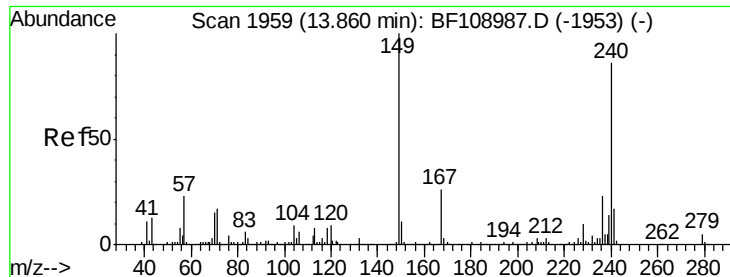
101 10.8 0.0 34.1

203 17.9 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: BF108994.D

Acq: 14 Sep 2018 15:03

Instrument :

BNA_F

ClientSampleId :

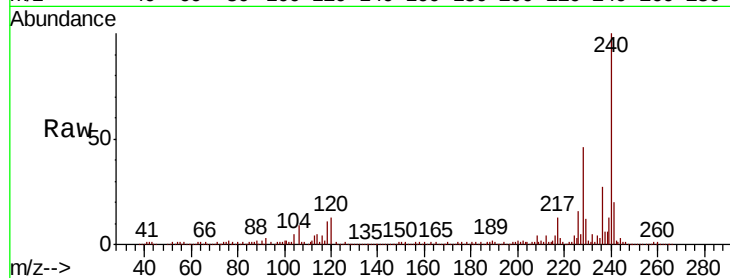
Tot Ion:240 Resp: 369091

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

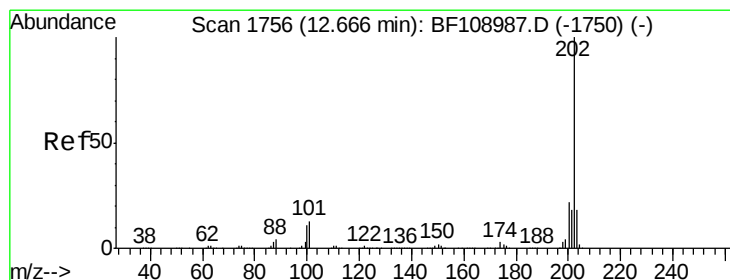
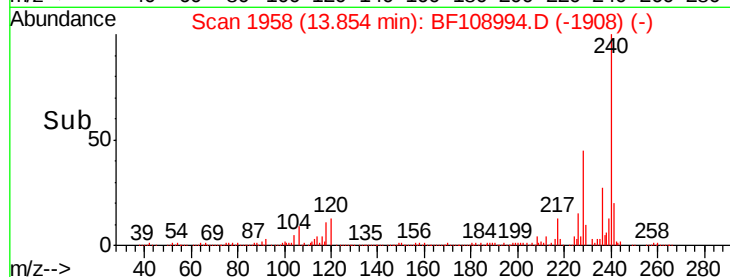
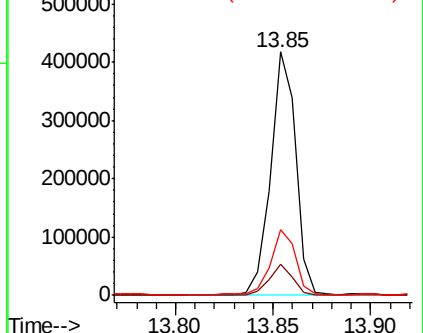
236 27.2 20.7 31.1



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: 39.740 ng

RT: 12.67 min Scan# 1756

Delta R.T. 0.00 min

Lab File: BF108994.D

Acq: 14 Sep 2018 15:03

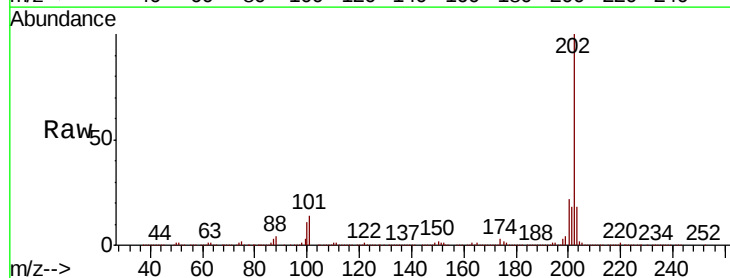
Tgt Ion:202 Resp: 1089499

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

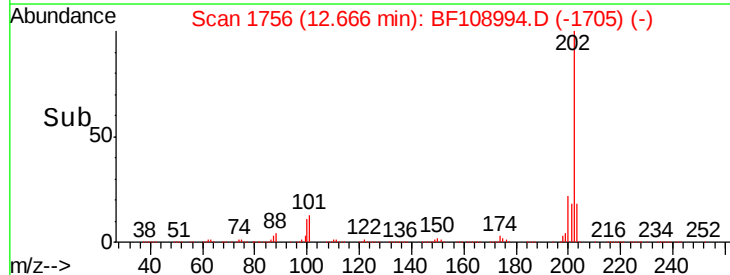
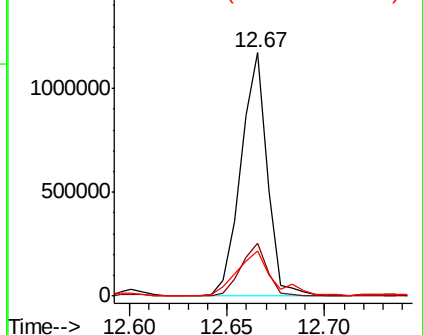
203 18.4 14.3 21.5

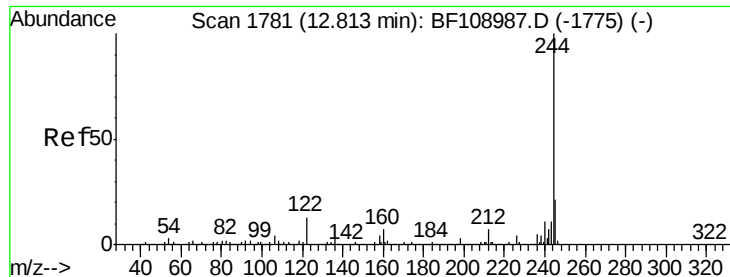


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 45.074 ng

RT: 12.81 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BF108994.D

Acq: 14 Sep 2018 15:03

Instrument :

BNA_F

ClientSampleId :

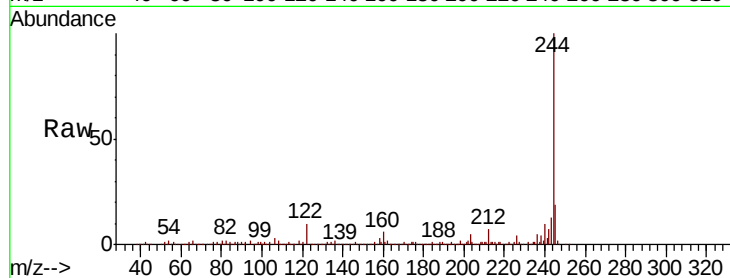
Tot Ion:244 Resp: 701881

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

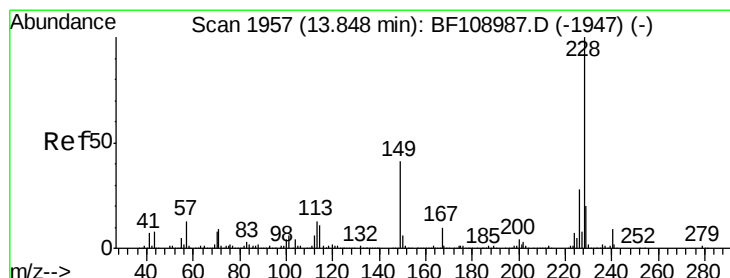
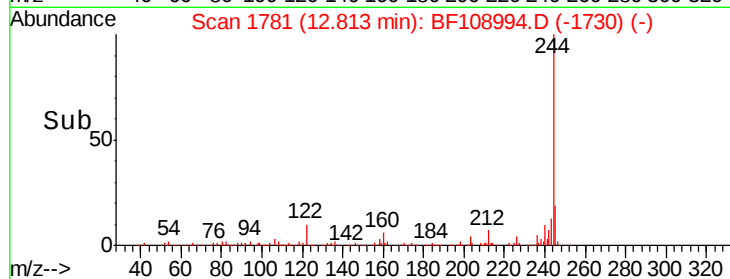
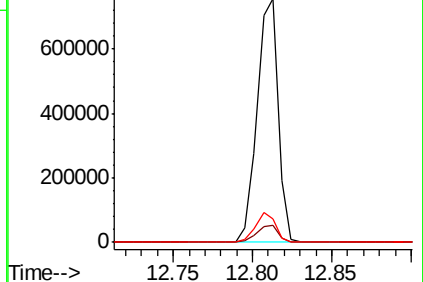
122 9.9 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 22.957 ng

RT: 13.84 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BF108994.D

Acq: 14 Sep 2018 15:03

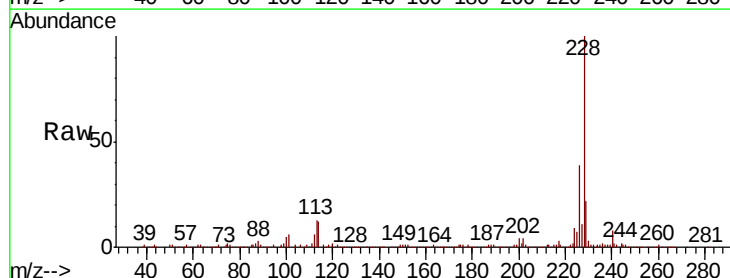
Tgt Ion:228 Resp: 512997

Ion Ratio Lower Upper

228 100

226 38.9 22.6 33.8#

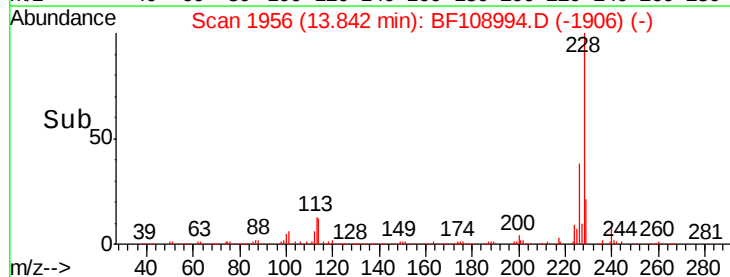
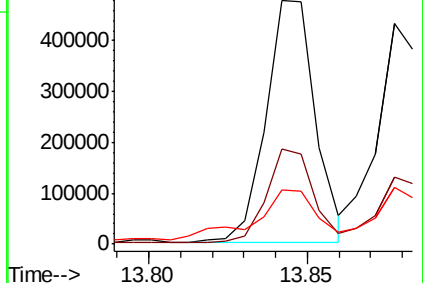
229 22.2 15.8 23.6

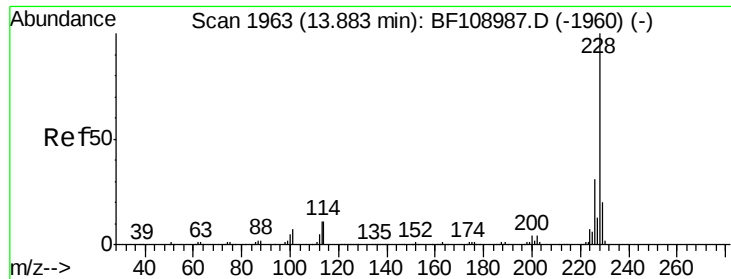


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 18.582 ng

RT: 13.88 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BF108994.D

Acq: 14 Sep 2018 15:03

Instrument :

BNA_F

ClientSampleId :

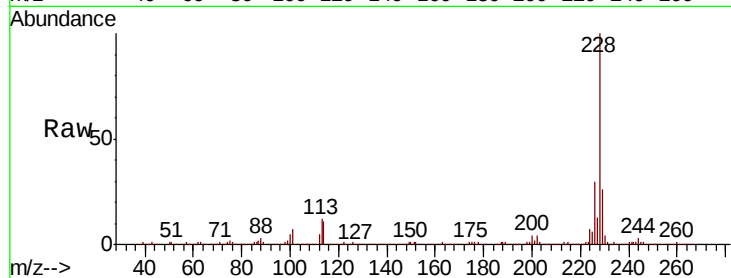
Tot Ion:228 Resp: 415453

Ion Ratio Lower Upper

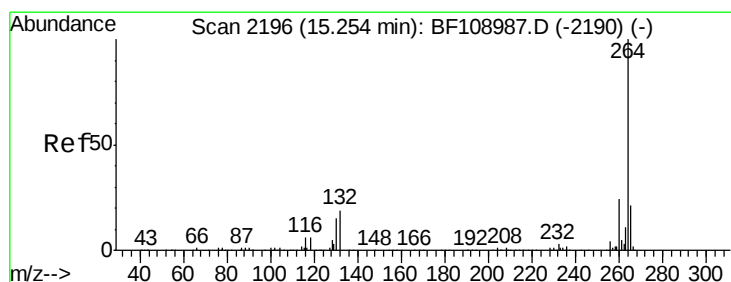
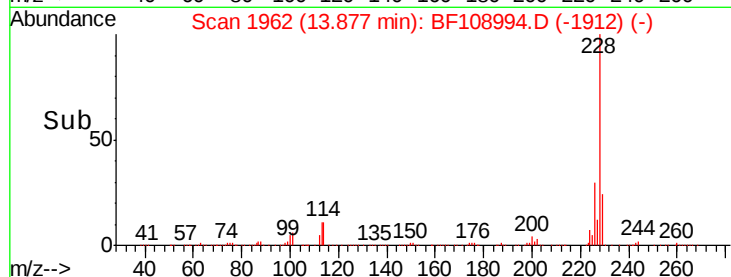
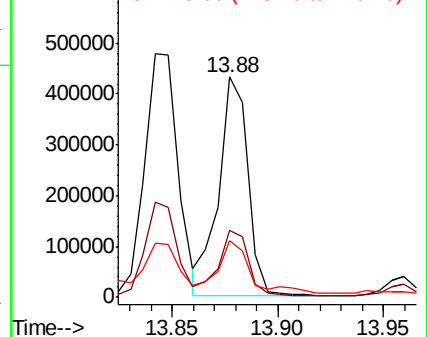
228 100

226 30.3 25.0 37.6

229 25.5 16.2 24.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.26 min Scan# 2197

Delta R.T. 0.01 min

Lab File: BF108994.D

Acq: 14 Sep 2018 15:03

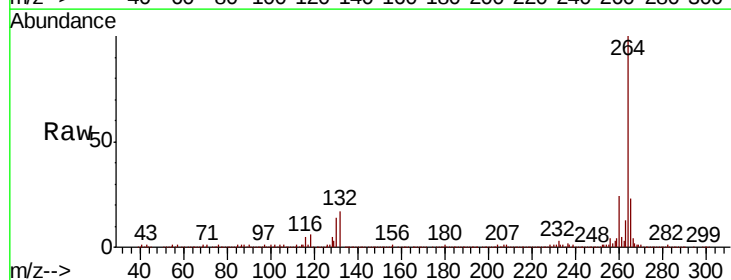
Tgt Ion:264 Resp: 373443

Ion Ratio Lower Upper

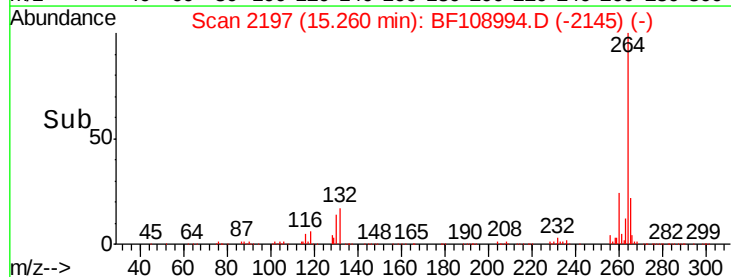
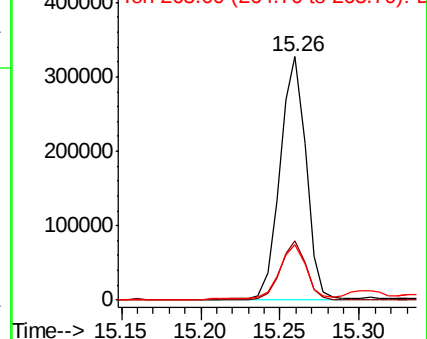
264 100

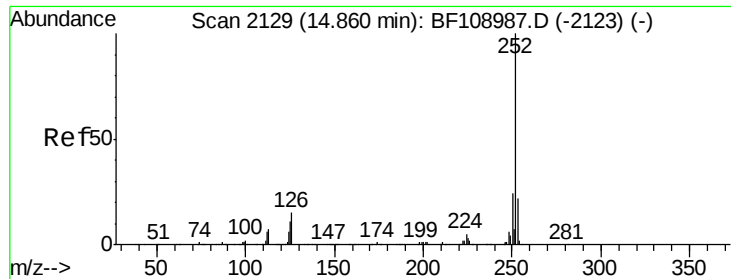
260 24.5 19.2 28.8

265 22.6 17.5 26.3



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

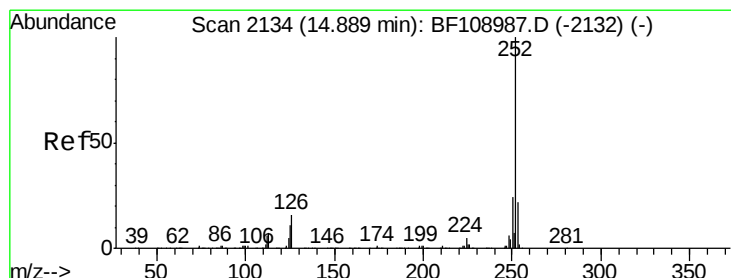
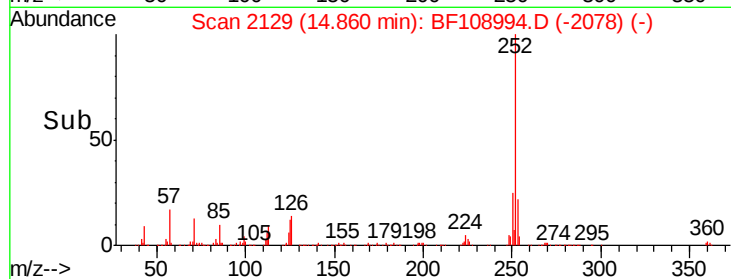
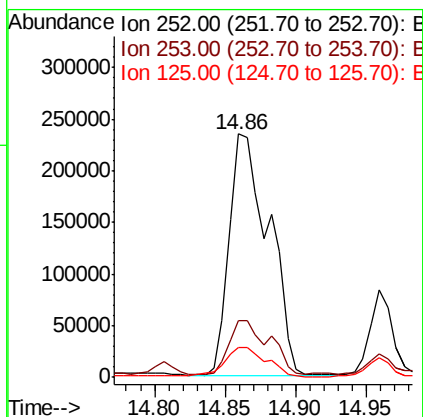
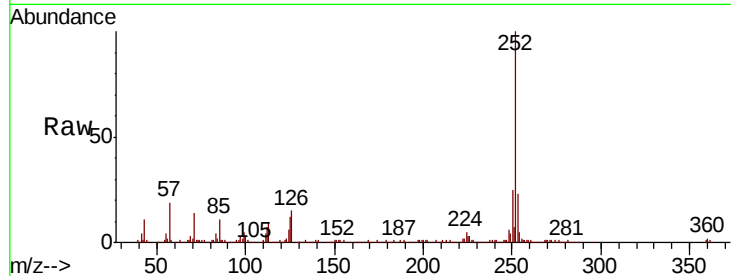




#87
Benzo(b)fluoranthene
Concen: 22.307 ng
RT: 14.86 min Scan# 2129
Delta R.T. 0.00 min
Lab File: BF108994.D
Acq: 14 Sep 2018 15:03

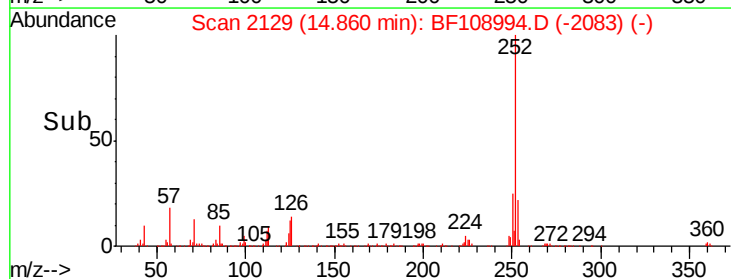
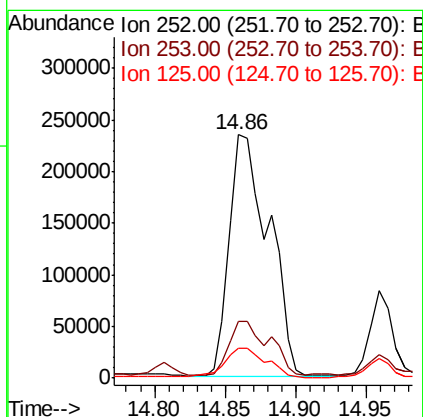
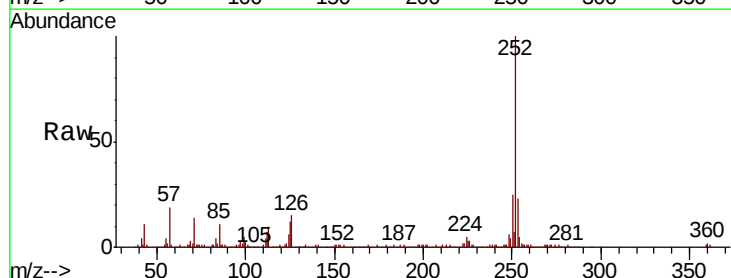
Instrument :
BNA_F
ClientSampleId :

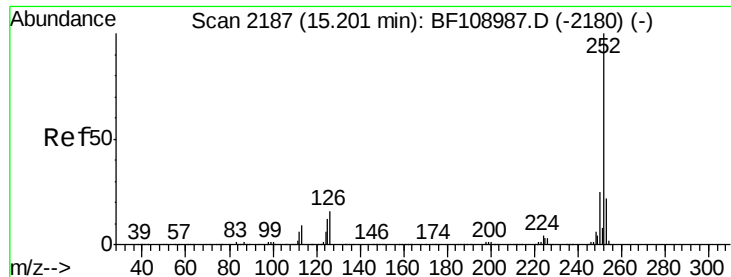
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	12.2	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 23.883 ng
RT: 14.86 min Scan# 2129
Delta R.T. -0.03 min
Lab File: BF108994.D
Acq: 14 Sep 2018 15:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	12.2	10.2	15.2





#89

Benzo(a)pyrene

Concen: 16.039 ng

RT: 15.20 min Scan# 2187

Delta R.T. 0.00 min

Lab File: BF108994.D

Acq: 14 Sep 2018 15:03

Instrument :

BNA_F

ClientSampleId :

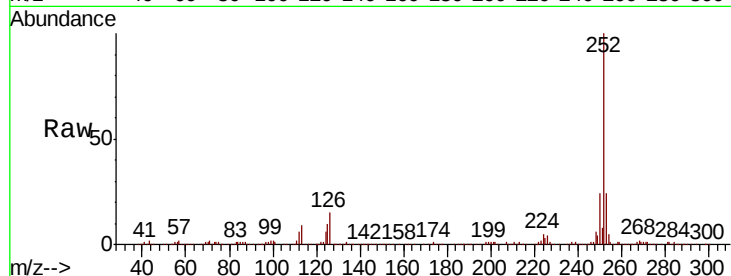
Tot Ion:252 Resp: 294269

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

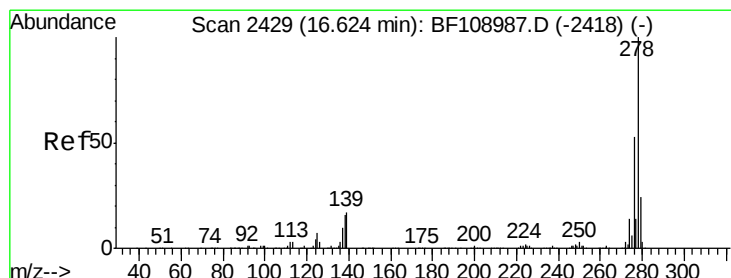
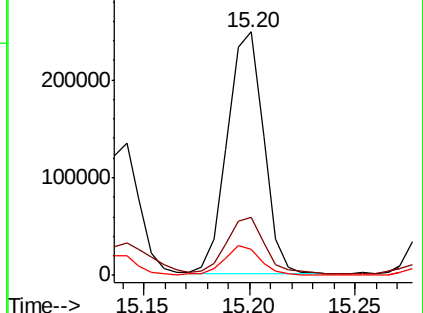
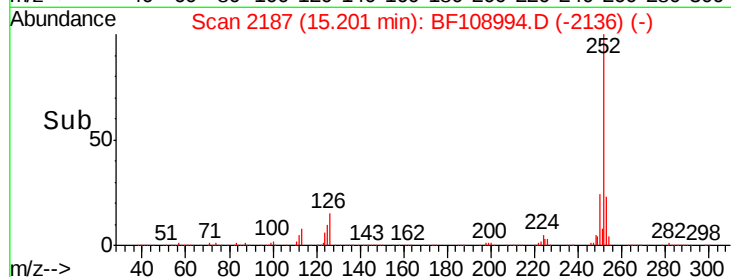
125 10.5 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 2.957 ng

RT: 16.61 min Scan# 2427

Delta R.T. -0.01 min

Lab File: BF108994.D

Acq: 14 Sep 2018 15:03

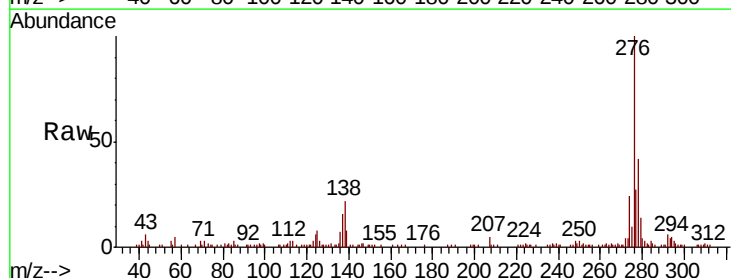
Tgt Ion:278 Resp: 45587

Ion Ratio Lower Upper

278 100

139 20.0 15.9 23.9

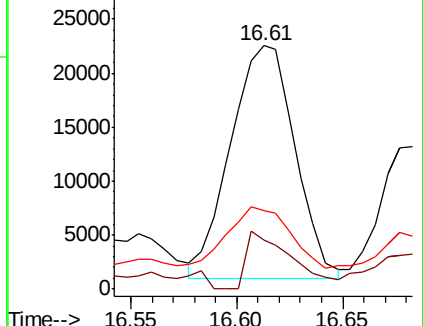
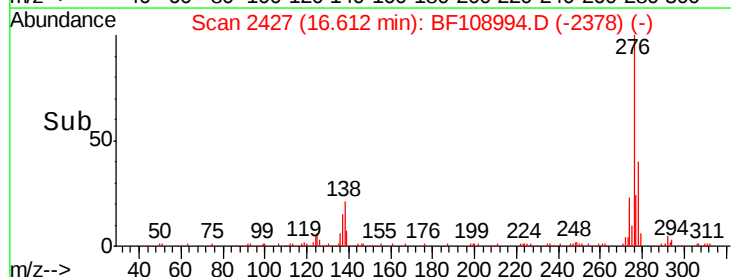
279 32.3 19.0 28.4#

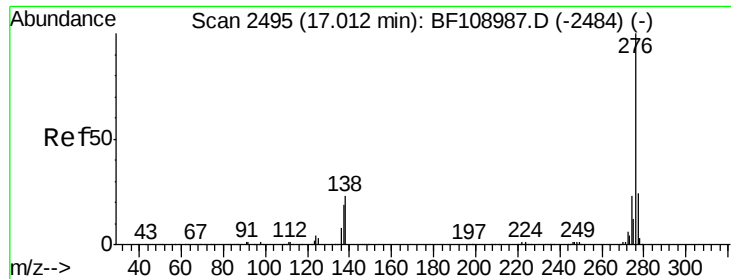


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 7.899 ng
 RT: 17.01 min Scan# 2494
 Delta R.T. -0.01 min
 Lab File: BF108994.D
 Acq: 14 Sep 2018 15:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	21.9	21.8	32.8

