

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020719\
 Data File : BF112441.D
 Acq On : 7 Feb 2019 16:39
 Operator : JU/SJ
 Sample : K1401-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200028

Quant Time: Feb 09 03:13:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	150531	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	589687	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	250403	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	336798	20.00	ng	0.00
76) Chrysene-d12	14.02	240	312843	20.00	ng	0.01
87) Perylene-d12	15.48	264	311779	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	803103	113.32	ng	-0.01
7) Phenol-d6	6.48	99	1011581	102.72	ng	-0.01
23) Nitrobenzene-d5	7.40	82	623065	60.88	ng	-0.01
42) 2,4,6-Tribromophenol	10.68	330	226279	77.64	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1059818	59.86	ng	-0.01
79) Terphenyl-d14	12.96	244	703258	42.34	ng	0.00

Target Compounds

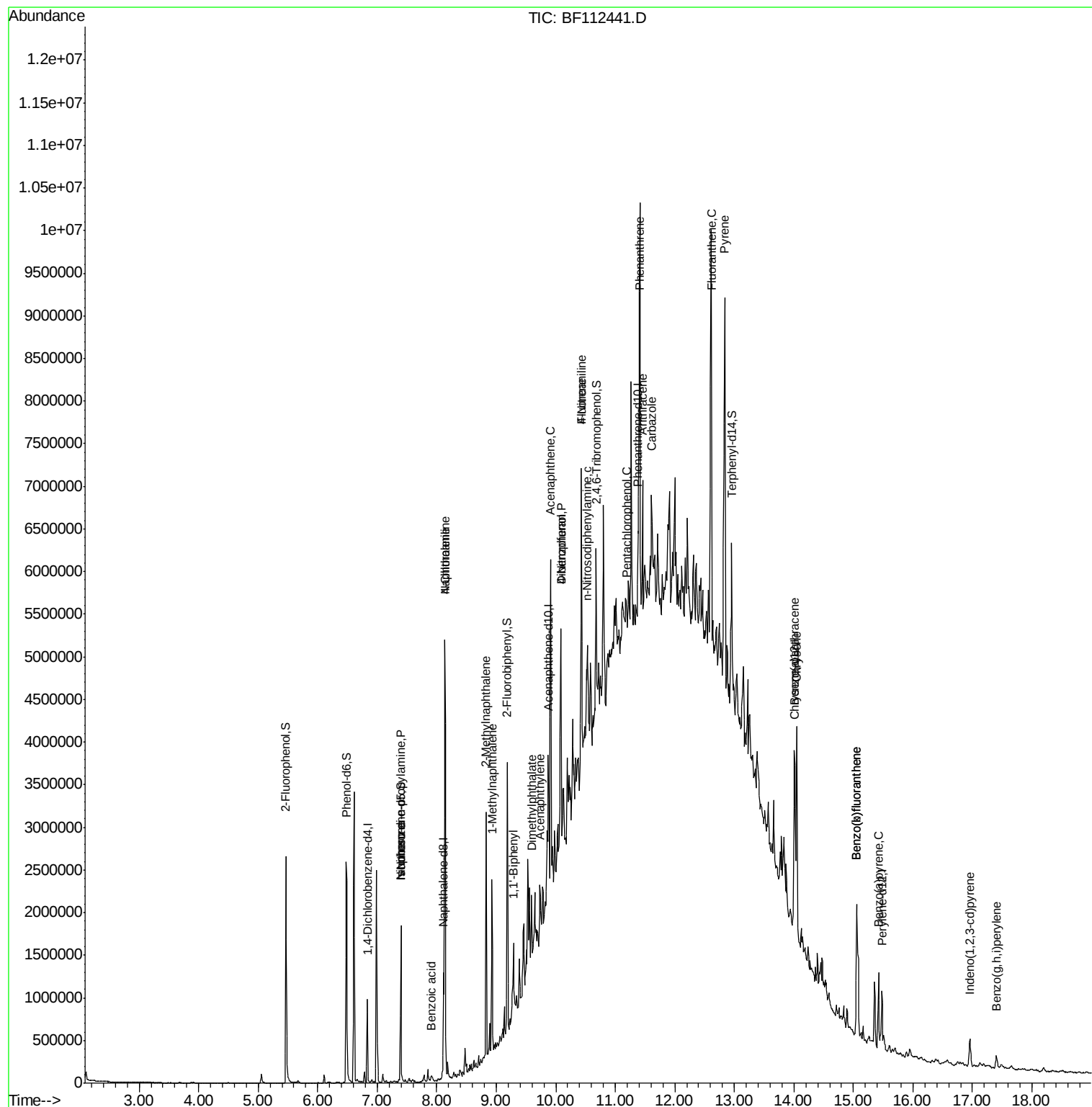
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	87070	12.823	ng	# 74
25) Isophorone	7.40	82	623059	38.807	ng	# 64
31) Naphthalene	8.14	128	2498970	90.620	ng	99
32) Benzoic acid	7.92	122	14283	3.327	ng	# 26
33) 4-Chloroaniline	8.14	127	355085	29.572	ng	# 35
37) 2-Methylnaphthalene	8.83	142	843422	44.677	ng	96
38) 1-Methylnaphthalene	8.93	142	526897	29.119	ng	97
46) 1,1'-Biphenyl	9.29	154	292771	13.374	ng	98
49) Acenaphthylene	9.73	152	94124	3.783	ng	# 79
50) Dimethylphthalate	9.59	163	86558	4.449	ng	# 89
52) Acenaphthene	9.91	154	897573	60.387	ng	100
55) Dibenzofuran	10.09	168	1021014	44.951	ng	94
56) 4-Nitrophenol	10.09	139	419693	168.169	ng	# 22
58) Fluorene	10.43	166	975250	57.376	ng	96
62) 4-Nitroaniline	10.43	138	13629	2.944	ng	95
66) n-Nitrosodiphenylamine	10.54	169	88091	7.761	ng	# 81
70) Pentachlorophenol	11.20	266	7132	4.313	ng	# 78
71) Phenanthrene	11.41	178	2944938	168.189	ng	98
72) Anthracene	11.46	178	698828	40.066	ng	98
73) Carbazole	11.61	167	348561	20.259	ng	# 89
75) Fluoranthene	12.62	202	3428251	182.547	ng	99
78) Pyrene	12.84	202	2817833	130.097	ng	98
81) Benzo(a)anthracene	14.01	228	864546	47.010	ng	100
83) Chrysene	14.04	228	984278	56.069	ng	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	151845	10.916	ng	# 92
88) Benzo(b)fluoranthene	15.06	252	1156684	62.034	ng	99
89) Benzo(k)fluoranthene	15.06	252	1156684	64.764	ng	99
90) Benzo(a)pyrene	15.42	252	409731	24.422	ng	99
92) Benzo(g,h,i)perylene	17.40	276	123559	9.686	ng	98

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

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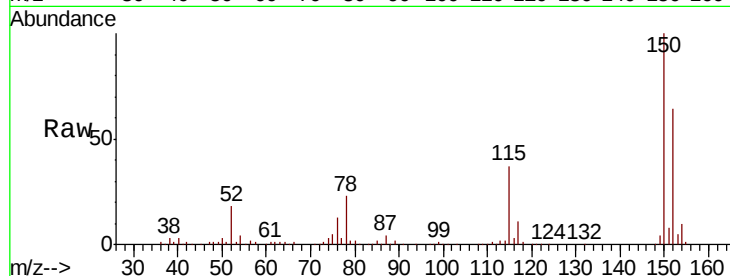


#1

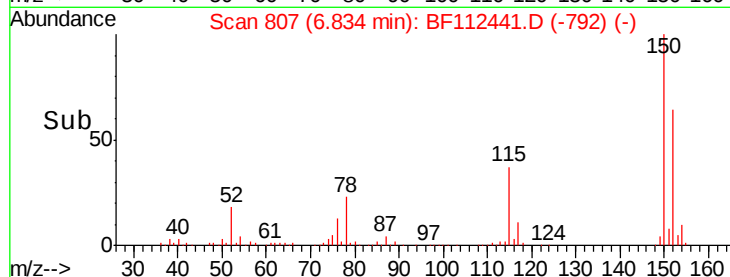
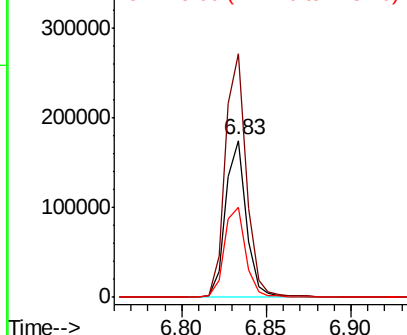
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112441.D
Acq: 7 Feb 2019 16:39

Instrument :
BNA_F
ClientSampleId :
RBR-200028

Tot Ion:152 Resp: 150531
Ion Ratio Lower Upper
152 100
150 155.1 127.4 191.0
115 57.1 45.5 68.3



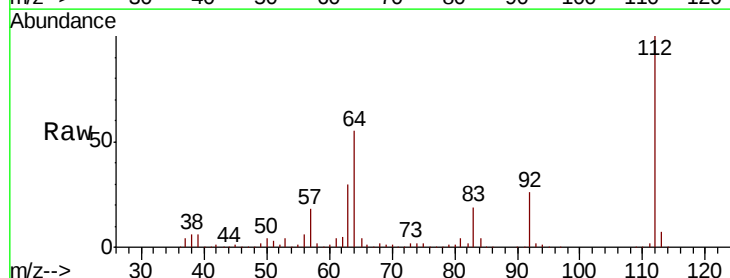
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



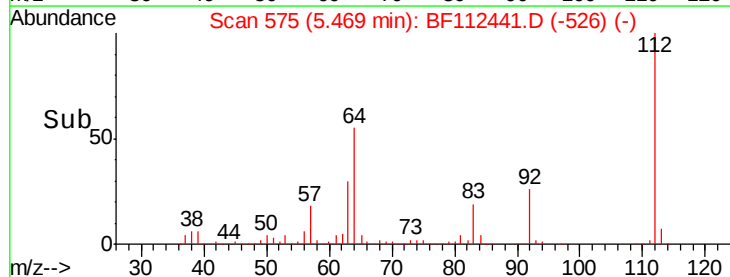
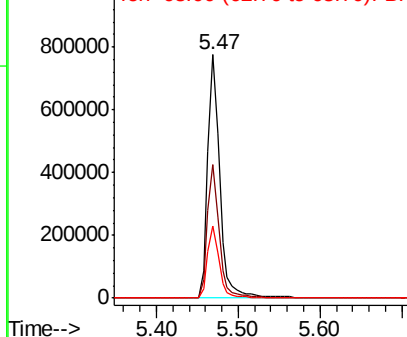
#5

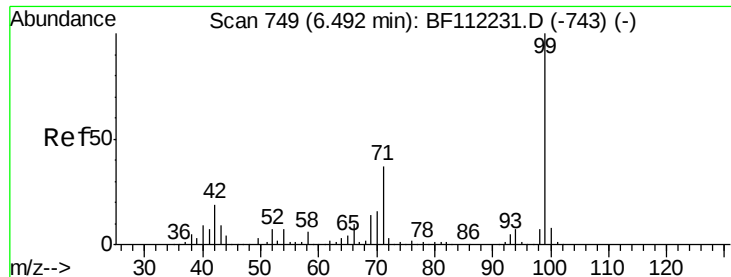
2-Fluorophenol
Concen: 113.322 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112441.D
Acq: 7 Feb 2019 16:39

Tgt Ion:112 Resp: 803103
Ion Ratio Lower Upper
112 100
64 55.1 45.7 68.5
63 29.6 23.6 35.4



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: 102.723 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112441.D

Acq: 7 Feb 2019 16:39

Instrument :

BNA_F

ClientSampleId :

RBR-200028

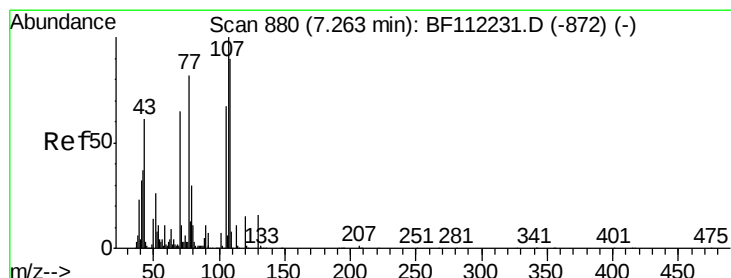
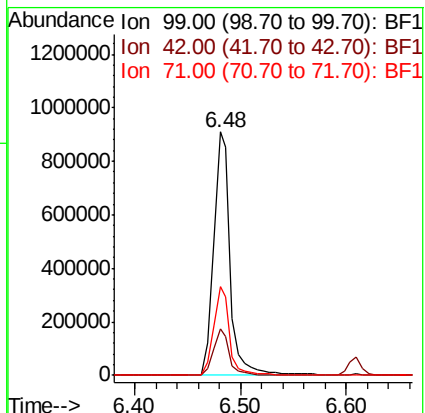
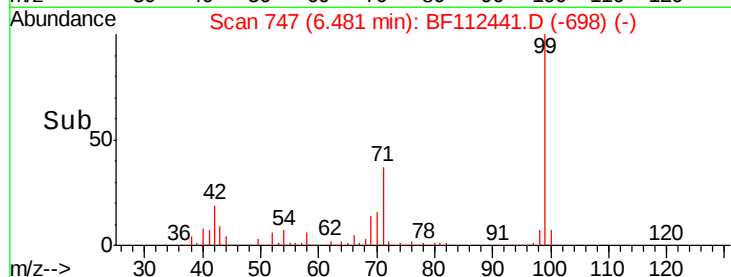
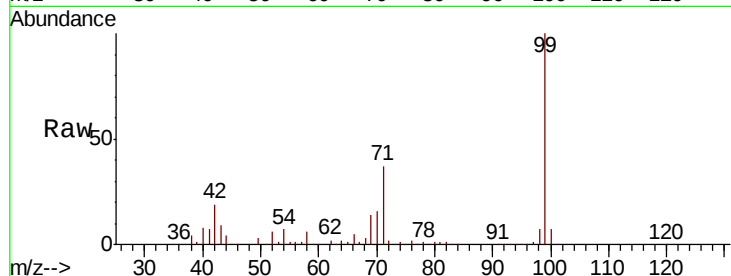
Tot Ion: 99 Resp: 1011581

Ion Ratio Lower Upper

99 100

42 19.3 15.1 22.7

71 36.7 26.9 40.3



#19

n-Nitroso-di-n-propylamine

Concen: 12.823 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112441.D

Acq: 7 Feb 2019 16:39

Tgt Ion: 70 Resp: 87070

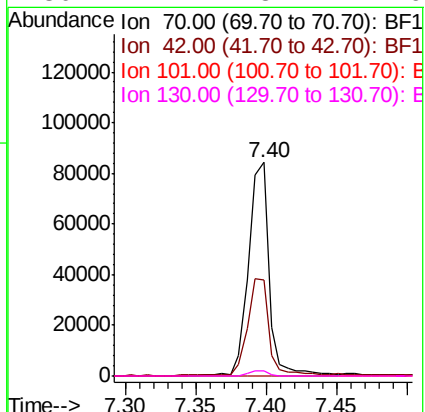
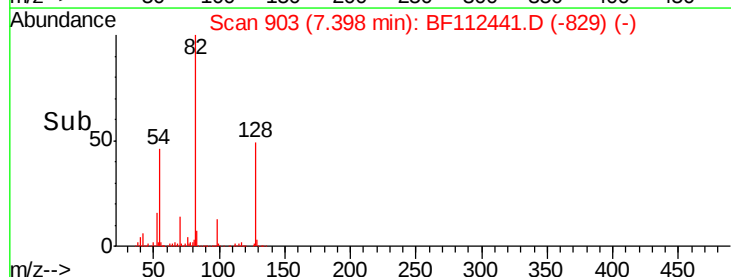
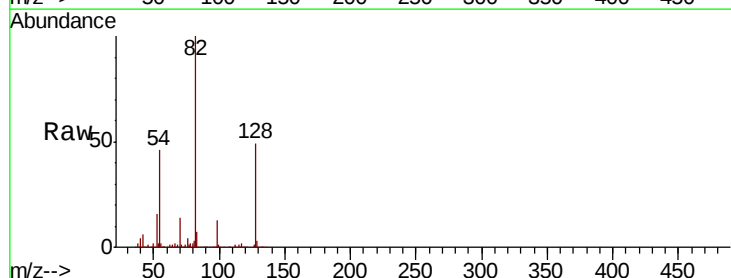
Ion Ratio Lower Upper

70 100

42 45.2 47.6 71.4#

101 0.0 7.9 11.9#

130 2.2 18.4 27.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF112441.D

Acq: 7 Feb 2019 16:39

Instrument :

BNA_F

ClientSampleId :

RBR-200028

Tot Ion:136 Resp: 589687

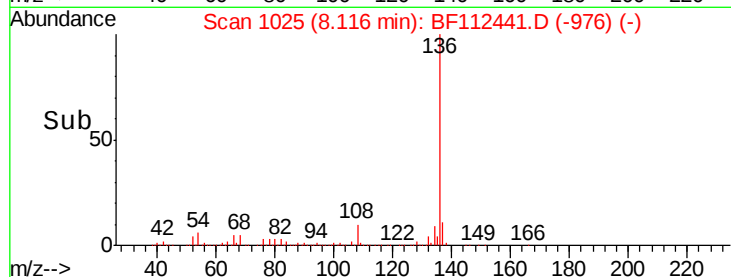
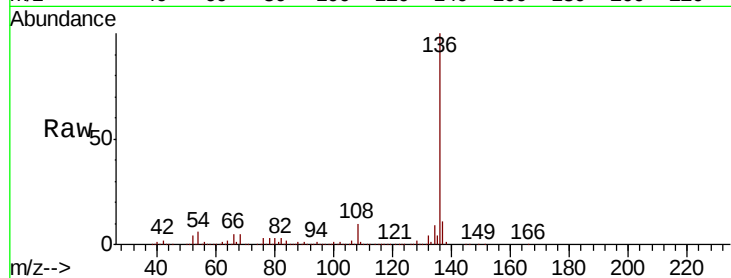
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 6.1 5.9 8.9

68 4.9 5.1 7.7#

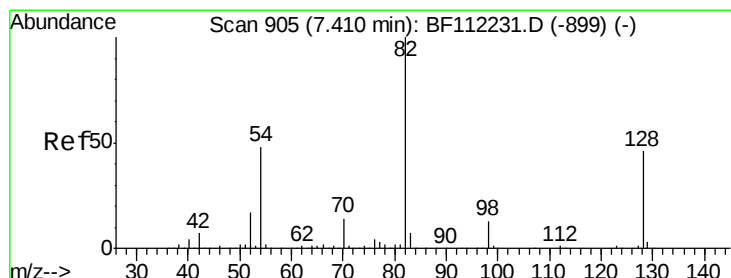
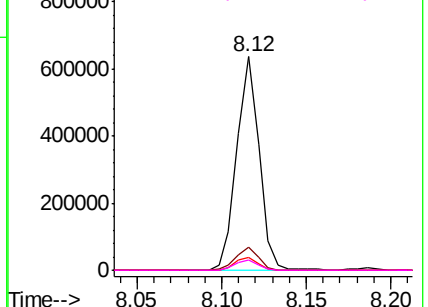


Abundance Ion 136.00 (135.70 to 136.70): E

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: 60.881 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF112441.D

Acq: 7 Feb 2019 16:39

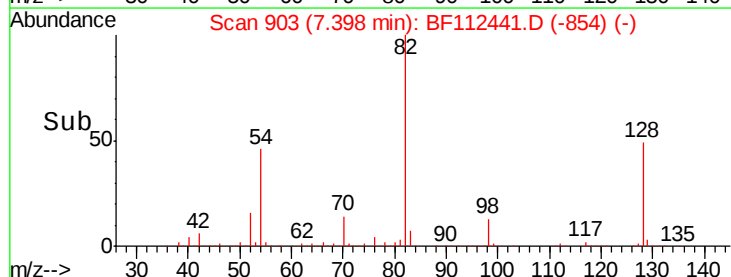
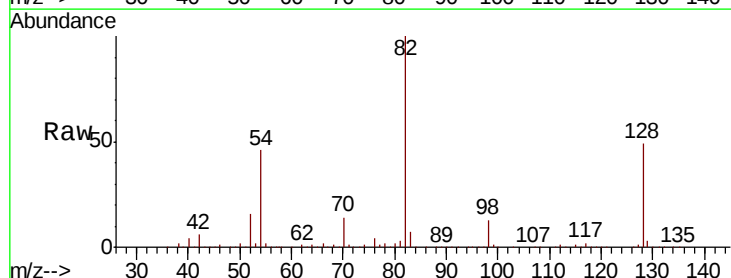
Tgt Ion: 82 Resp: 623065

Ion Ratio Lower Upper

82 100

128 49.0 37.8 56.8

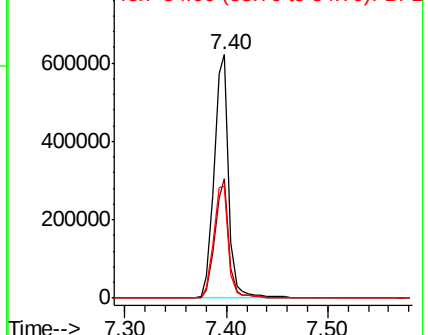
54 46.0 39.7 59.5



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: 38.807 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112441.D

Acq: 7 Feb 2019 16:39

Instrument :

BNA_F

ClientSampleId :

RBR-200028

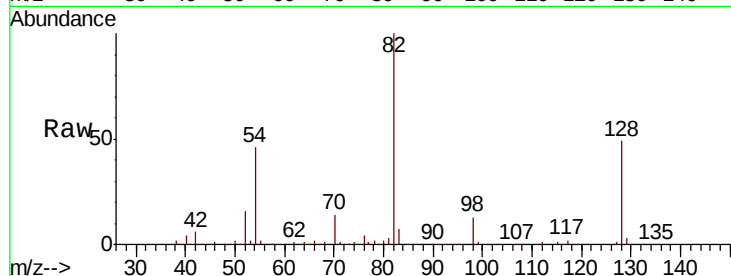
Tot Ion: 82 Resp: 623059

Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

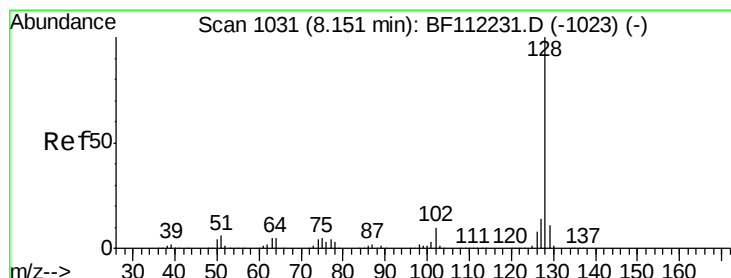
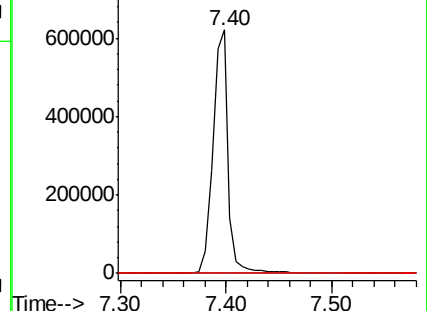
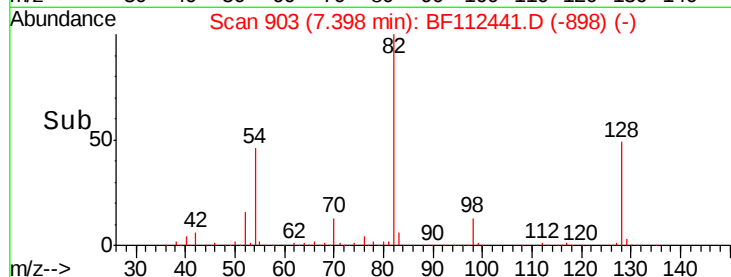
138 0.0 15.4 23.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 90.620 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF112441.D

Acq: 7 Feb 2019 16:39

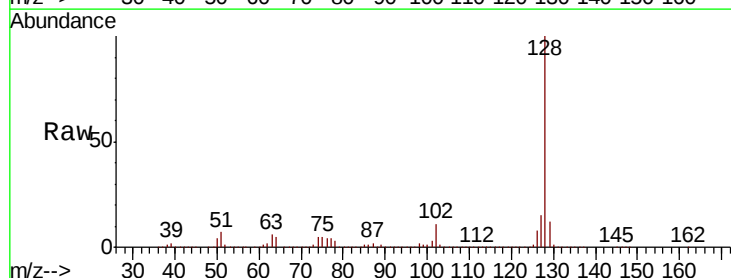
Tgt Ion: 128 Resp: 2498970

Ion Ratio Lower Upper

128 100

129 12.1 9.6 14.4

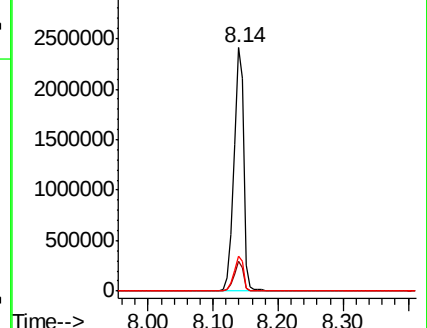
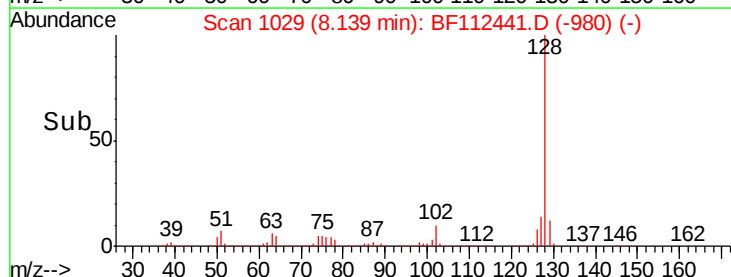
127 14.5 11.1 16.7

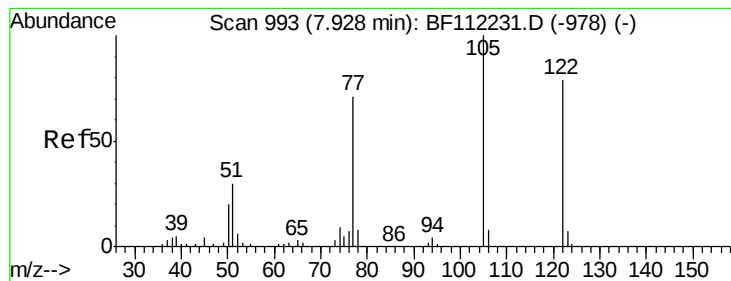


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 3.327 ng

RT: 7.92 min Scan# 991

Delta R.T. -0.01 min

Lab File: BF112441.D

Acq: 7 Feb 2019 16:39

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RBR-200028

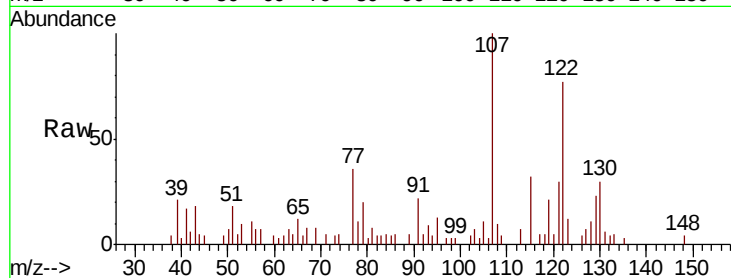
Tot Ion:122 Resp: 14283

Ion Ratio Lower Upper

122 100

105 14.1 101.2 141.2#

77 47.5 70.4 110.4#

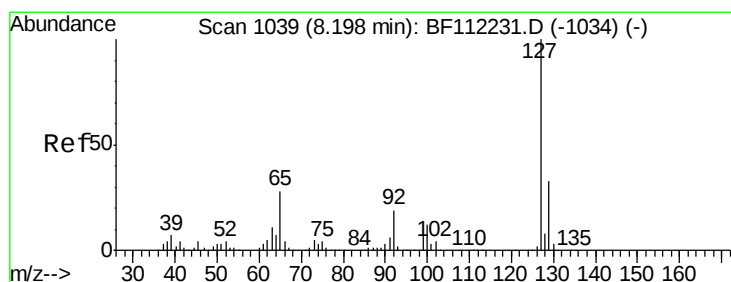
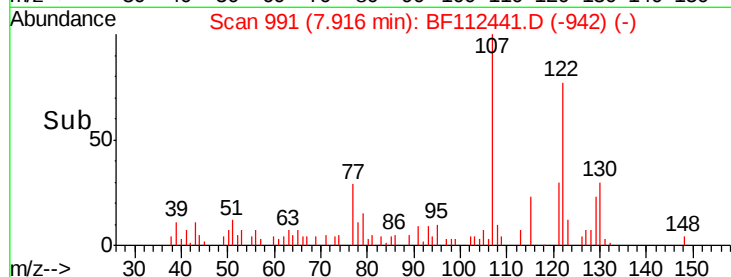
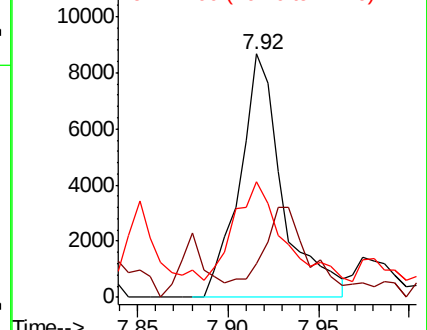


Abundance

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: 29.572 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.06 min

Lab File: BF112441.D

Acq: 7 Feb 2019 16:39

Tgt Ion:127 Resp: 355085

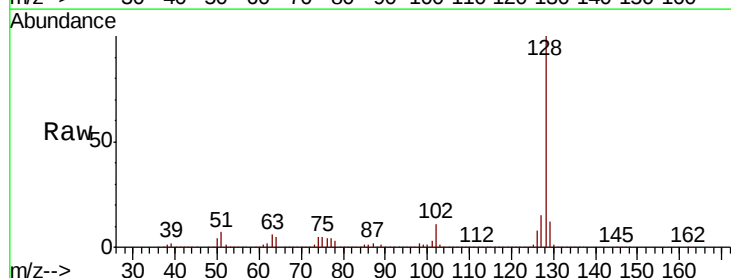
Ion Ratio Lower Upper

127 100

129 83.0 26.6 39.8#

65 0.0 21.4 32.2#

92 0.2 14.2 21.2#



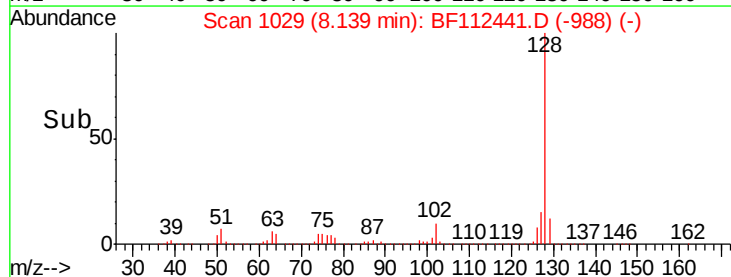
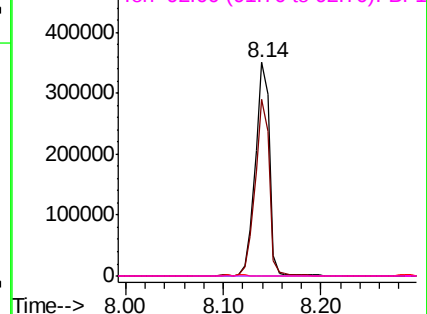
Abundance

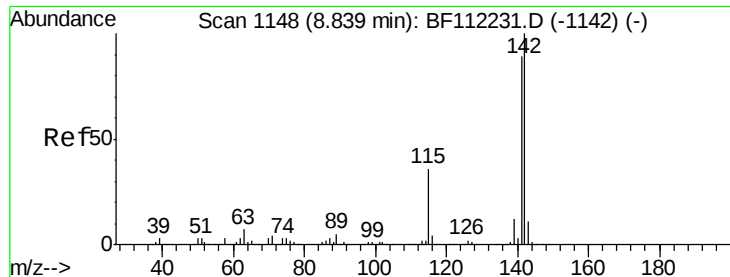
Ion 127.00 (126.70 to 127.70): E

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

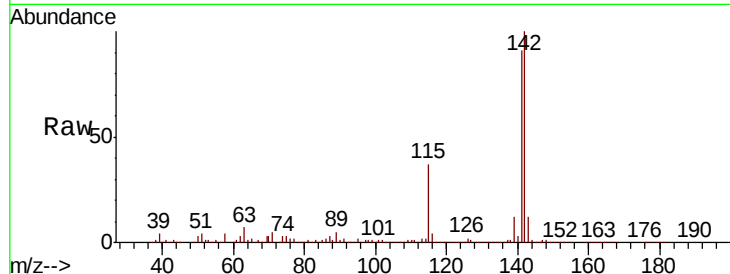




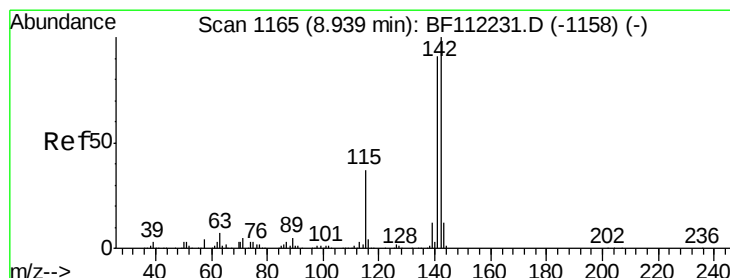
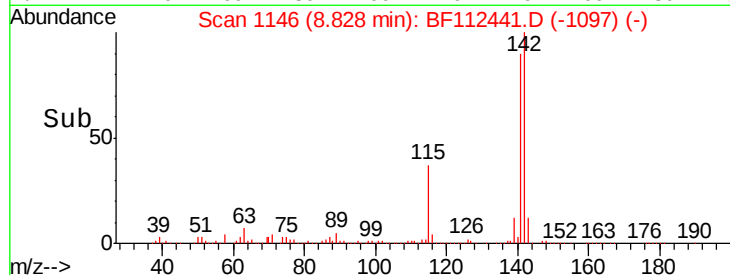
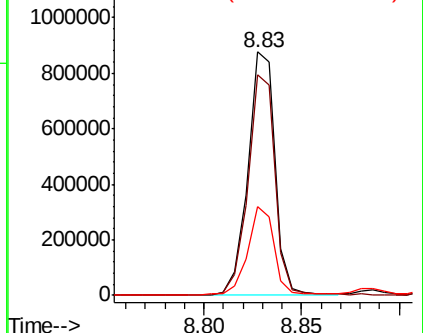
#37
2-Methylnaphthalene
Concen: 44.677 ng
RT: 8.83 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF112441.D
Acq: 7 Feb 2019 16:39

Instrument :
BNA_F
ClientSampleId :
RBR-200028

Tot Ion:142 Resp: 843422
Ion Ratio Lower Upper
142 100
141 90.5 70.9 106.3
115 36.6 24.9 37.3

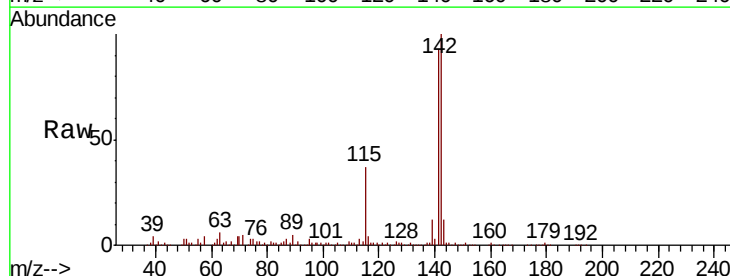


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

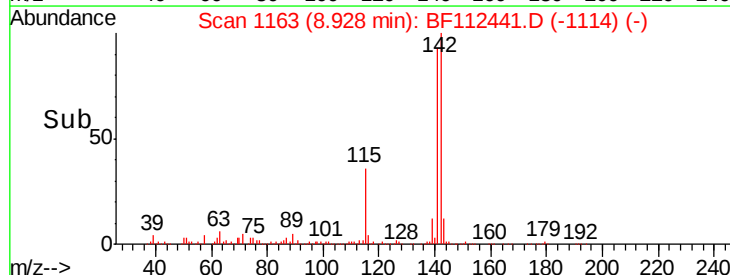
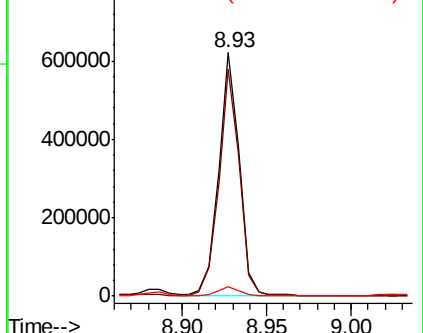


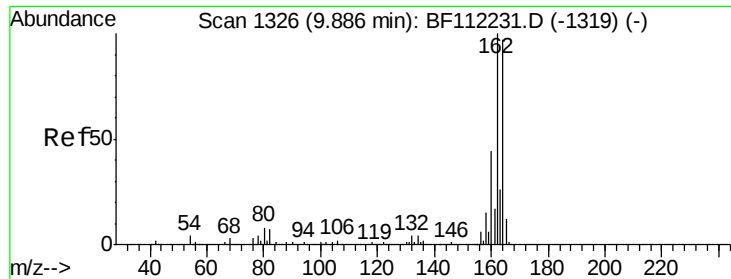
#38
1-Methylnaphthalene
Concen: 29.119 ng
RT: 8.93 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF112441.D
Acq: 7 Feb 2019 16:39

Tgt Ion:142 Resp: 526897
Ion Ratio Lower Upper
142 100
141 93.4 72.6 108.8
116 4.1 2.8 4.2



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

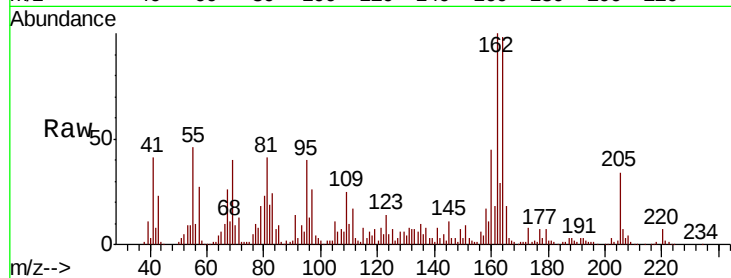




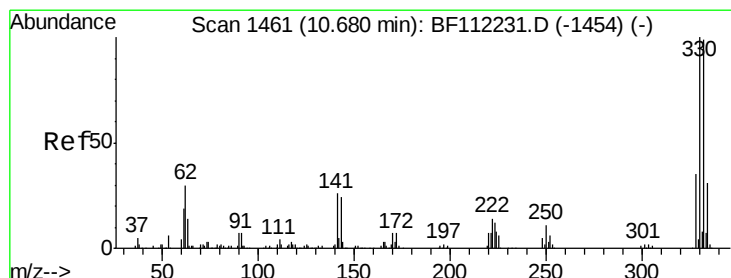
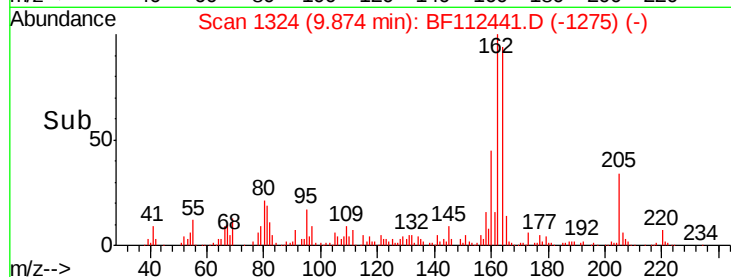
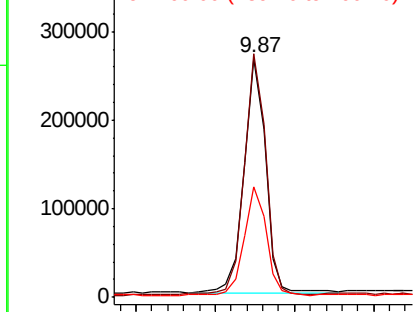
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112441.D
Acq: 7 Feb 2019 16:39

Instrument :
BNA_F
ClientSampleId :
RBR-200028

Tot Ion:164 Resp: 250403
Ion Ratio Lower Upper
164 100
162 101.9 82.2 123.4
160 46.1 36.2 54.4

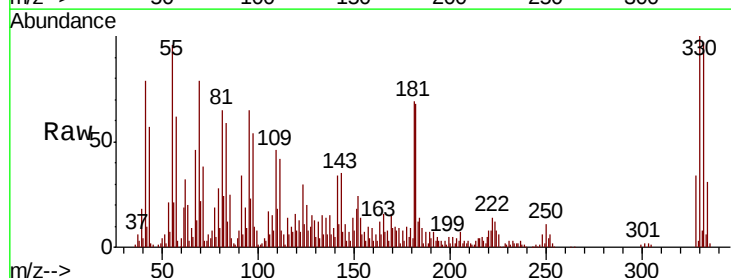


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

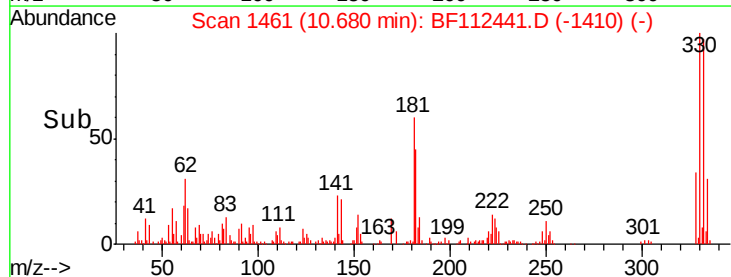
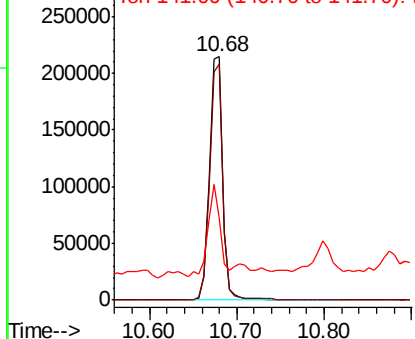


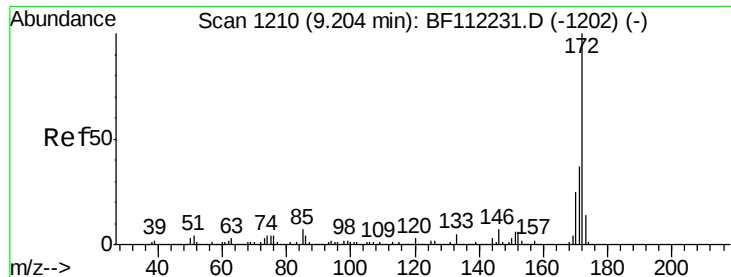
#42
2,4,6-Tribromophenol
Concen: 77.636 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.00 min
Lab File: BF112441.D
Acq: 7 Feb 2019 16:39

Tgt Ion:330 Resp: 226279
Ion Ratio Lower Upper
330 100
332 96.4 76.6 114.8
141 33.7 24.3 36.5



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

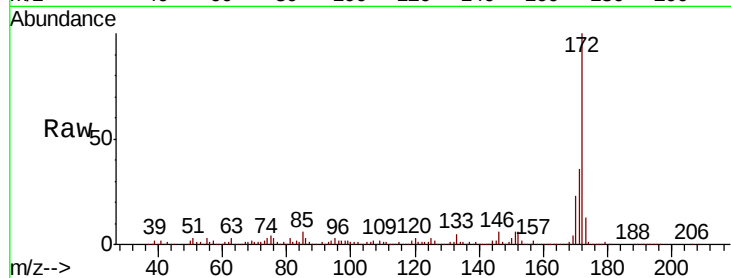




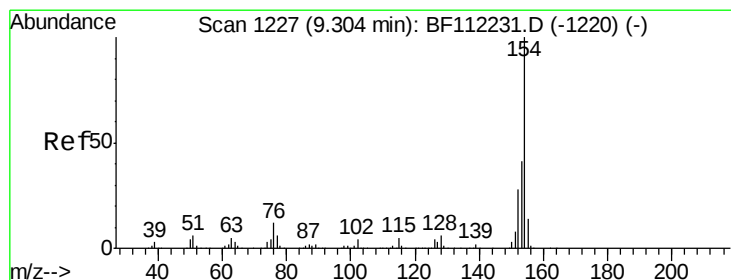
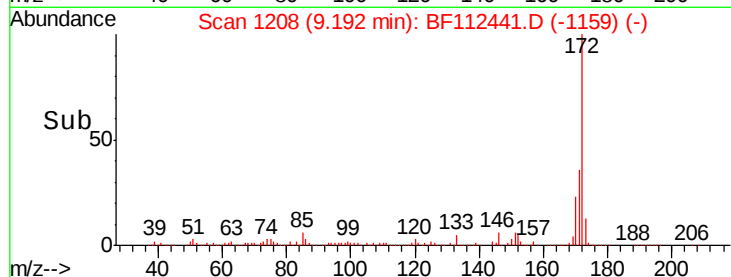
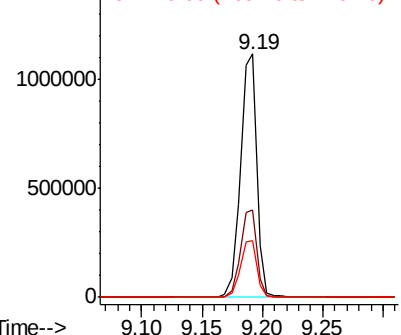
#45
2-Fluorobiphenyl
Concen: 59.861 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF112441.D
Acq: 7 Feb 2019 16:39

Instrument :
BNA_F
ClientSampleId :
RBR-200028

Tot Ion:172 Resp: 1059818
Ion Ratio Lower Upper
172 100
171 35.7 30.5 45.7
170 23.5 20.2 30.4

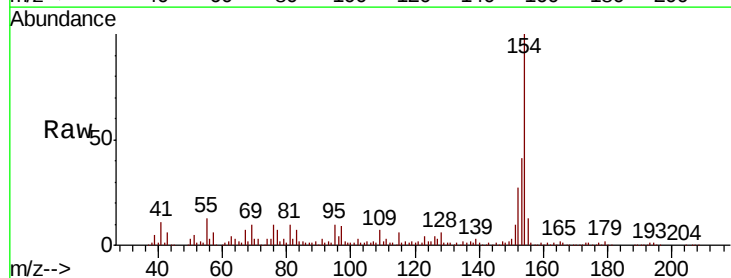


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

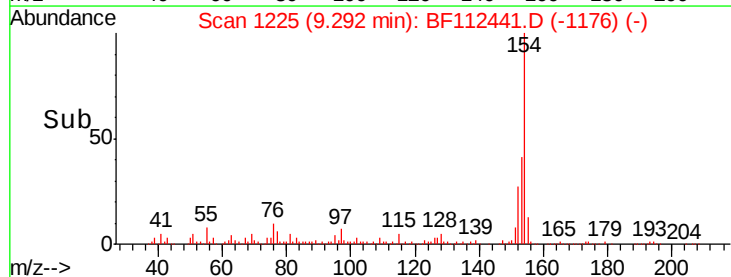
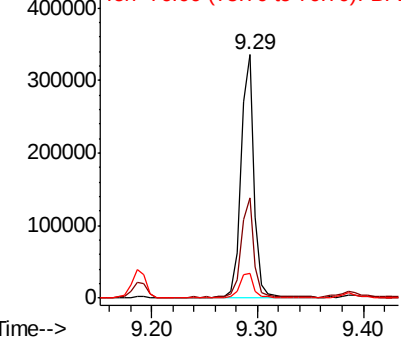


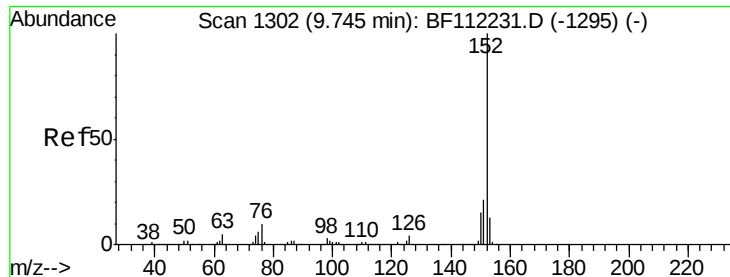
#46
1,1'-Biphenyl
Concen: 13.374 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF112441.D
Acq: 7 Feb 2019 16:39

Tgt Ion:154 Resp: 292771
Ion Ratio Lower Upper
154 100
153 41.4 21.5 61.5
76 10.0 0.0 33.1



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





#49

Acenaphthylene

Concen: 3.783 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF112441.D

Acq: 7 Feb 2019 16:39

Instrument :

BNA_F

ClientSampleId :

RBR-200028

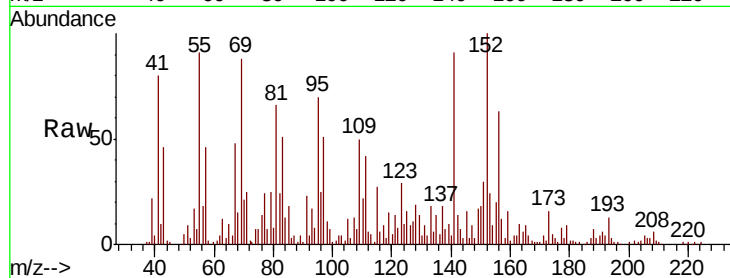
Tot Ion:152 Resp: 94124

Ion Ratio Lower Upper

152 100

151 29.8 17.0 25.6#

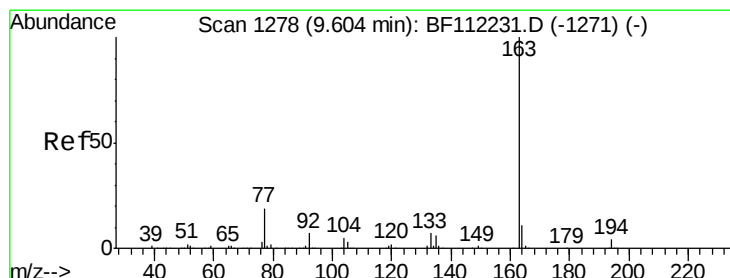
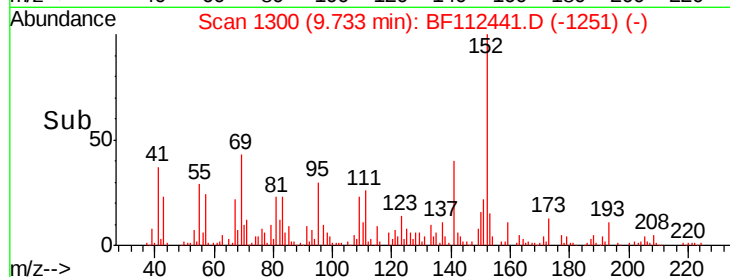
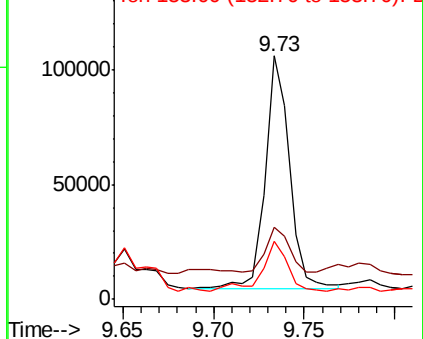
153 24.0 11.2 16.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 4.449 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF112441.D

Acq: 7 Feb 2019 16:39

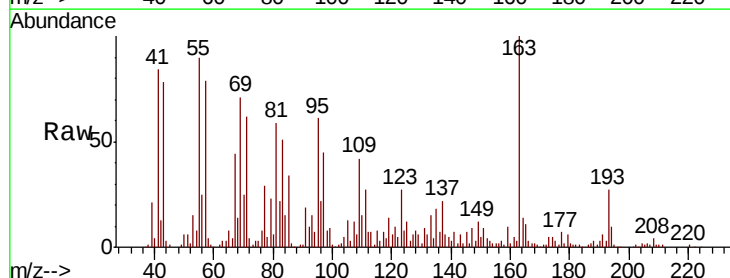
Tgt Ion:163 Resp: 86558

Ion Ratio Lower Upper

163 100

194 10.3 3.3 4.9#

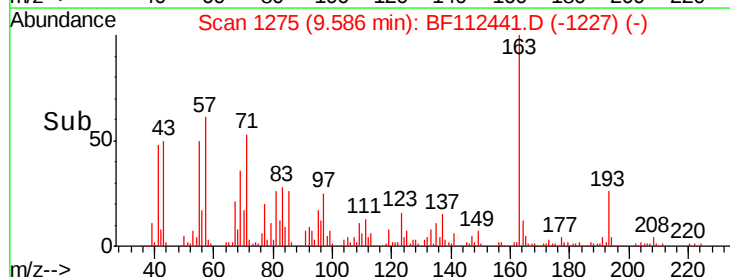
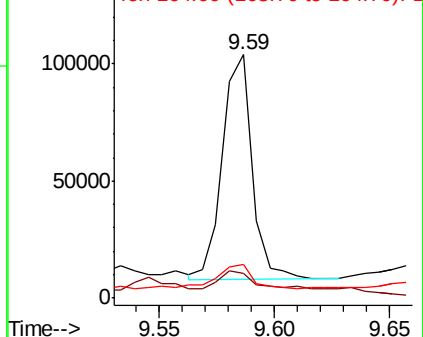
164 13.7 8.5 12.7#

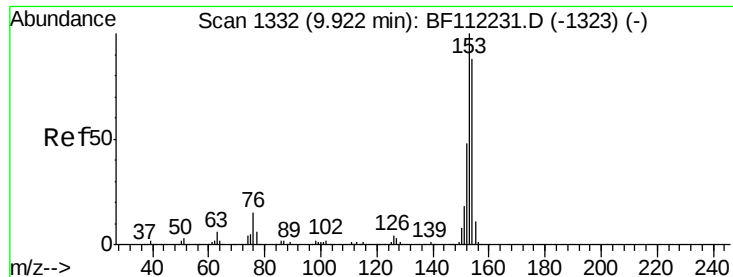


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 60.387 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF112441.D

Acq: 7 Feb 2019 16:39

Instrument :

BNA_F

ClientSampleId :

RBR-200028

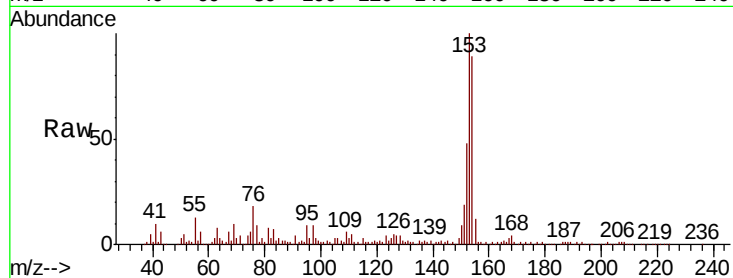
Tot Ion:154 Resp: 897573

Ion Ratio Lower Upper

154 100

153 112.8 89.8 134.6

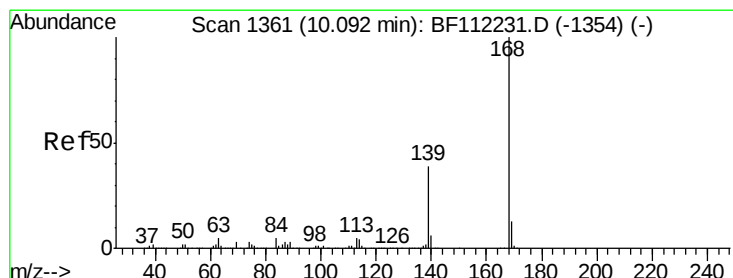
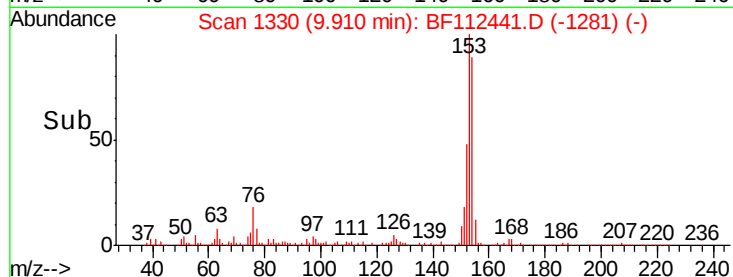
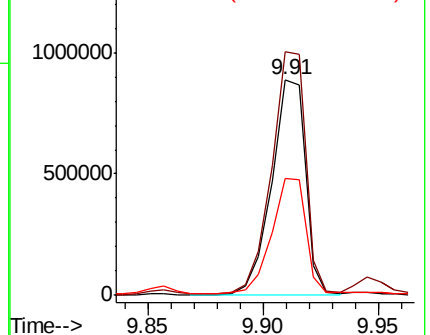
152 54.4 43.5 65.3



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



#55

Dibenzofuran

Concen: 44.951 ng

RT: 10.09 min Scan# 1360

Delta R.T. -0.01 min

Lab File: BF112441.D

Acq: 7 Feb 2019 16:39

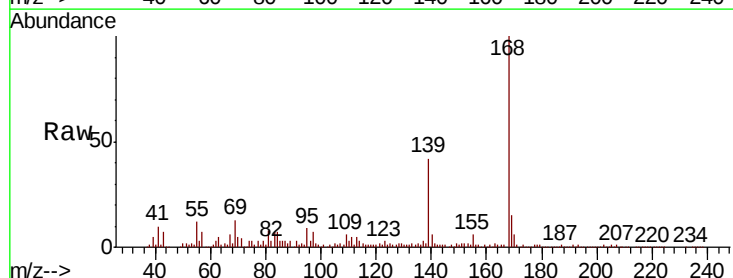
Tgt Ion:168 Resp: 1021014

Ion Ratio Lower Upper

168 100

139 41.5 29.2 43.8

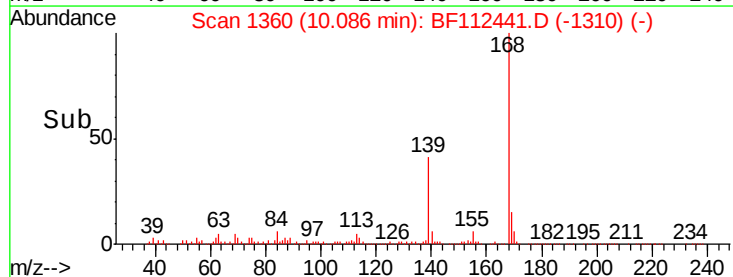
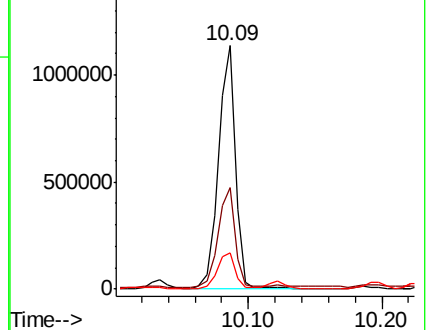
169 14.6 11.4 17.0

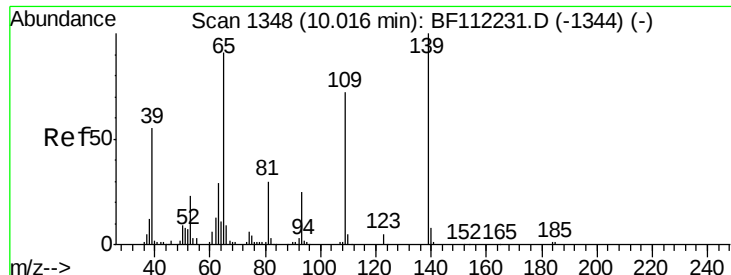


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

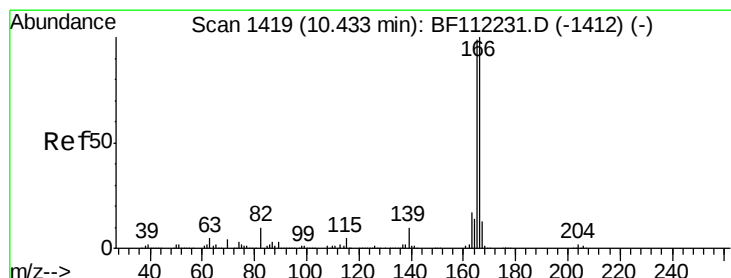
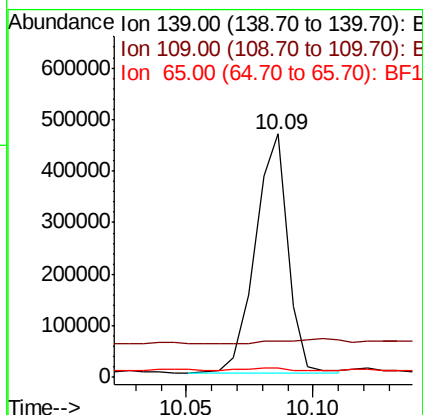
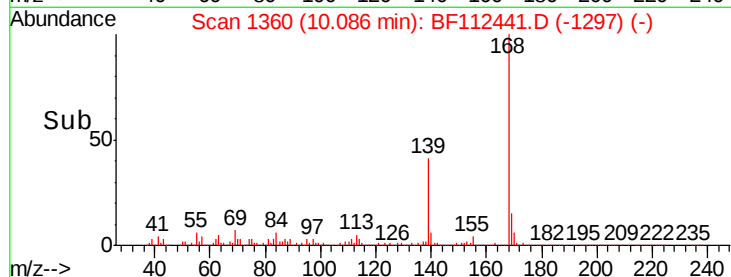
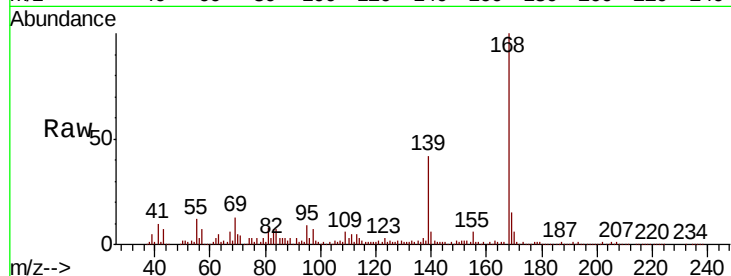




#56
4-Nitrophenol
Concen: 168.169 ng
RT: 10.09 min Scan# 1360
Delta R.T. 0.07 min
Lab File: BF112441.D
Acq: 7 Feb 2019 16:39

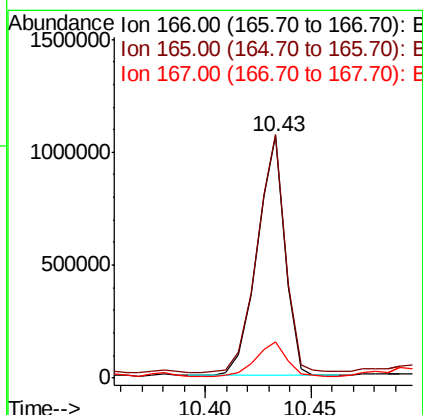
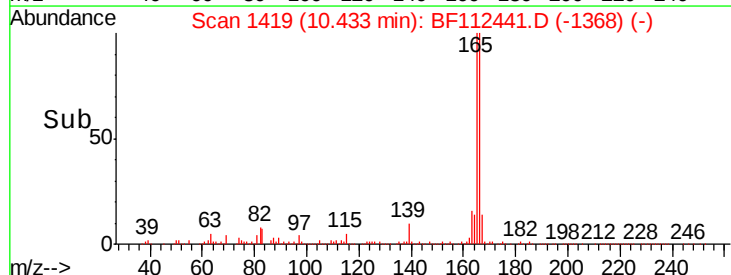
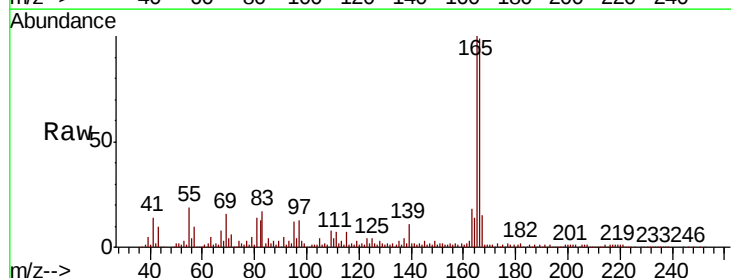
Instrument :
BNA_F
ClientSampleId :
RBR-200028

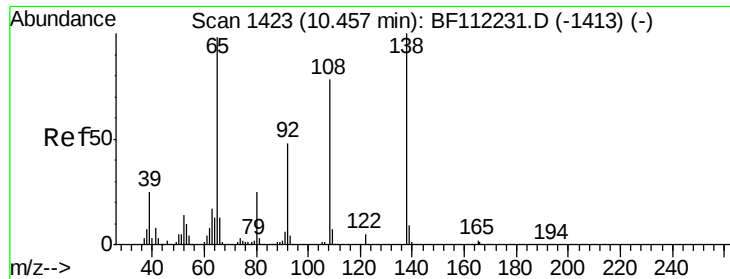
Tot Ion:139 Resp: 419693
Ion Ratio Lower Upper
139 100
109 14.7 42.8 82.8#
65 3.8 66.1 106.1#



#58
Fluorene
Concen: 57.376 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.00 min
Lab File: BF112441.D
Acq: 7 Feb 2019 16:39

Tgt Ion:166 Resp: 975250
Ion Ratio Lower Upper
166 100
165 100.6 77.1 115.7
167 15.1 11.3 16.9

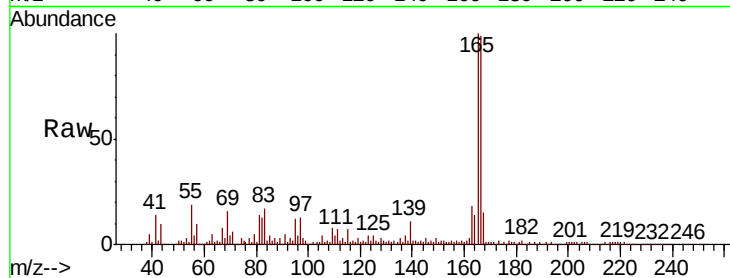




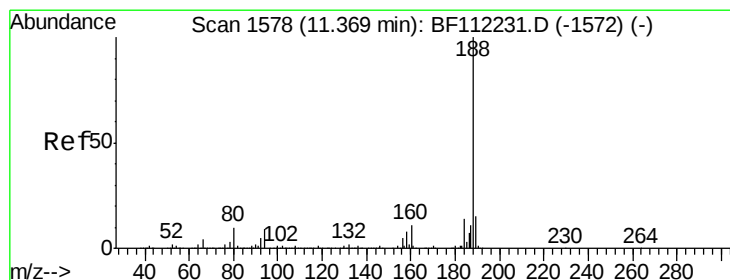
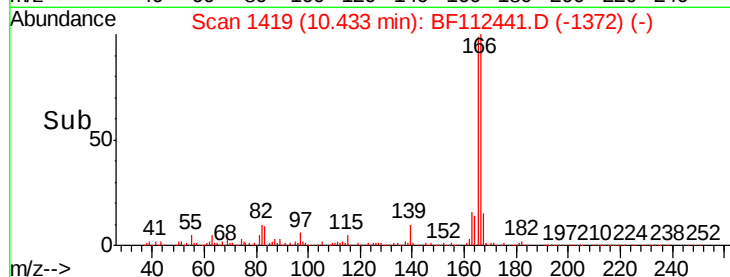
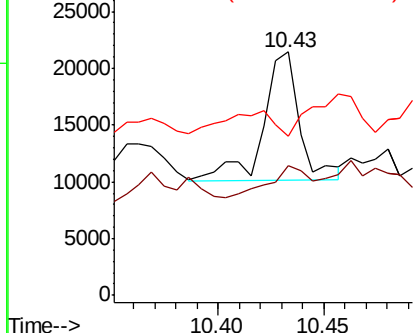
#62
4-Nitroaniline
Concen: 2.944 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.02 min
Lab File: BF112441.D
Acq: 7 Feb 2019 16:39

Instrument :
BNA_F
ClientSampleId :
RBR-200028

Tot Ion:138 Resp: 13629
Ion Ratio Lower Upper
138 100
92 53.3 30.6 70.6
108 65.4 50.0 90.0

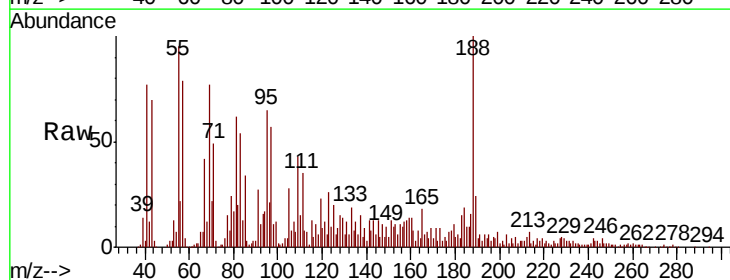


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E

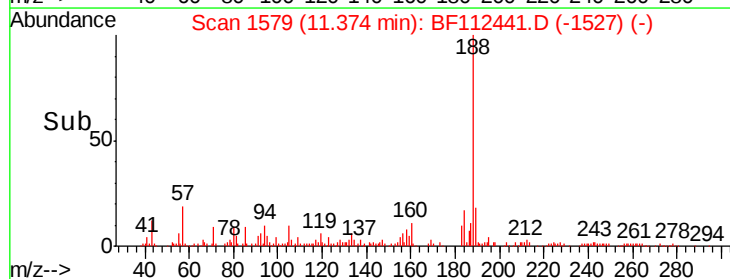
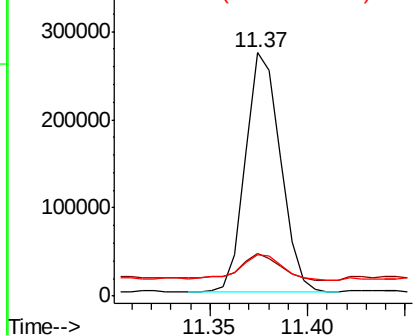


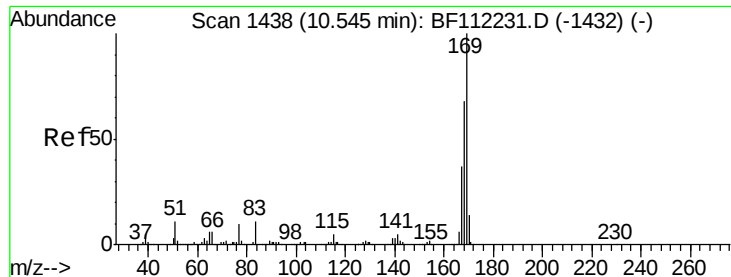
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BF112441.D
Acq: 7 Feb 2019 16:39

Tgt Ion:188 Resp: 336798
Ion Ratio Lower Upper
188 100
94 17.3 8.2 12.2#
80 17.1 8.9 13.3#



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





#66

n-Nitrosodiphenylamine

Concen: 7.761 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF112441.D

Acq: 7 Feb 2019 16:39

Instrument :

BNA_F

ClientSampleId :

RBR-200028

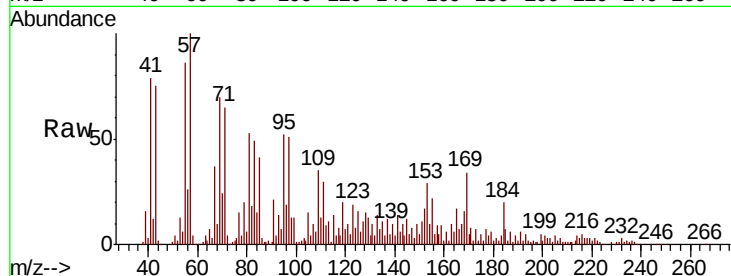
Tot Ion:169 Resp: 88091

Ion Ratio Lower Upper

169 100

168 47.4 53.9 80.9#

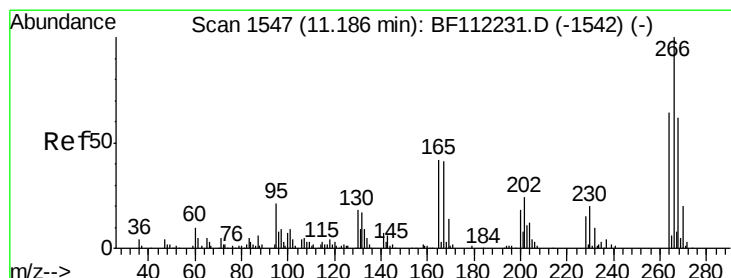
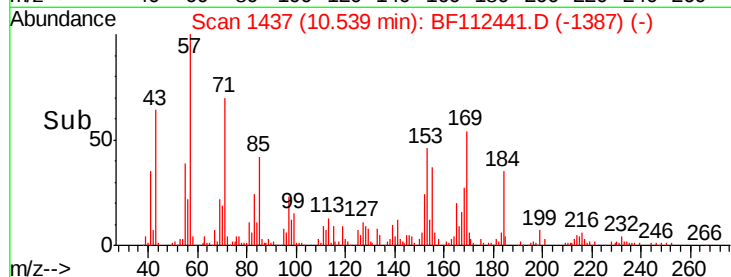
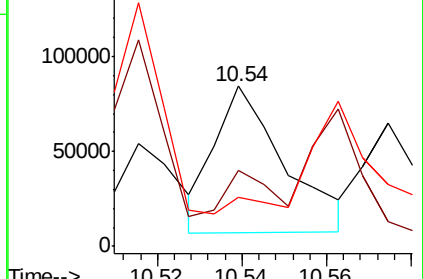
167 30.8 28.9 43.3



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Pentachlorophenol

Concen: 4.313 ng

RT: 11.20 min Scan# 1550

Delta R.T. 0.02 min

Lab File: BF112441.D

Acq: 7 Feb 2019 16:39

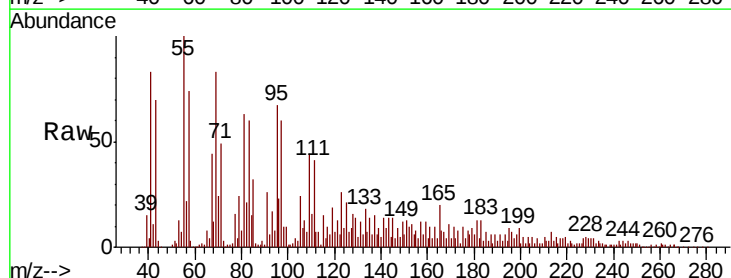
Tgt Ion:266 Resp: 7132

Ion Ratio Lower Upper

266 100

268 31.4 51.2 76.8#

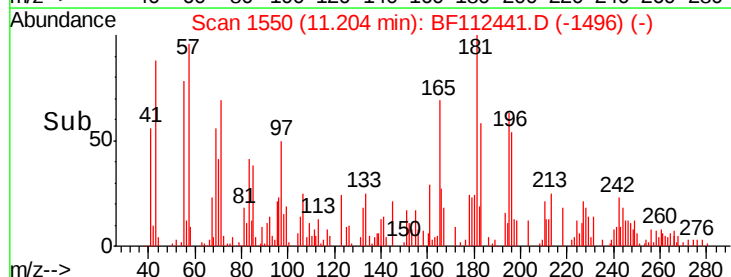
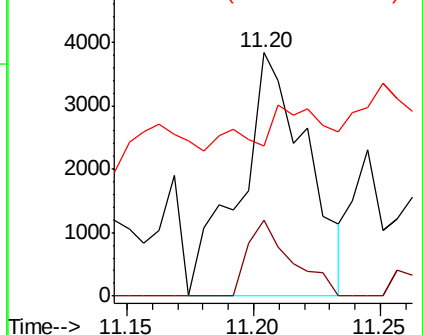
264 61.9 50.9 76.3

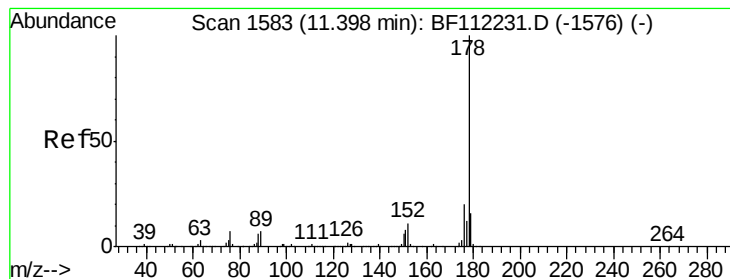


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 168.189 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.01 min

Lab File: BF112441.D

Acq: 7 Feb 2019 16:39

Instrument :

BNA_F

ClientSampleId :

RBR-200028

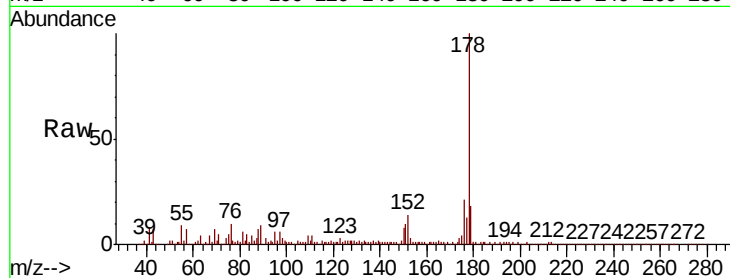
Tot Ion:178 Resp: 2944938

Ion Ratio Lower Upper

178 100

176 20.9 16.3 24.5

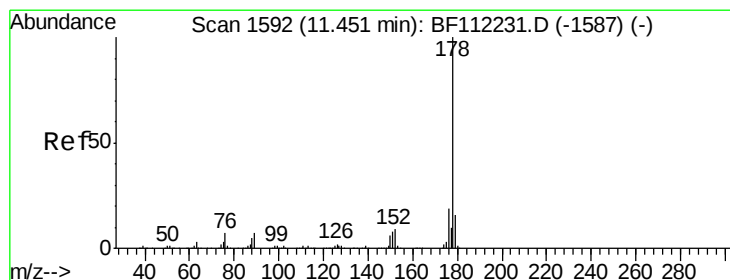
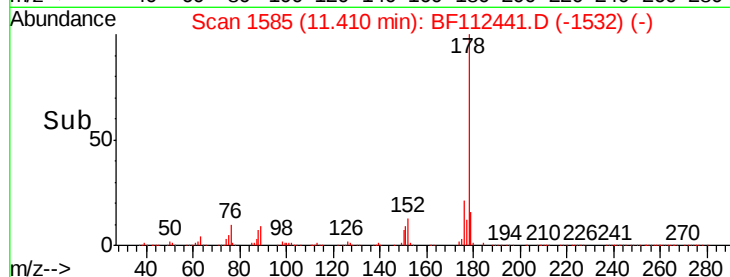
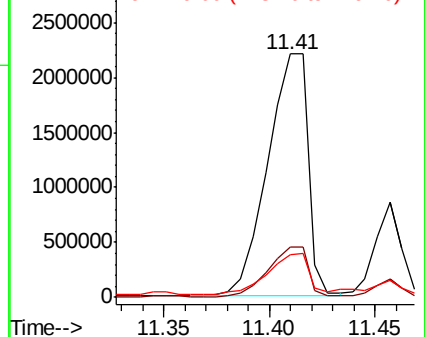
179 17.6 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 40.066 ng

RT: 11.46 min Scan# 1593

Delta R.T. 0.01 min

Lab File: BF112441.D

Acq: 7 Feb 2019 16:39

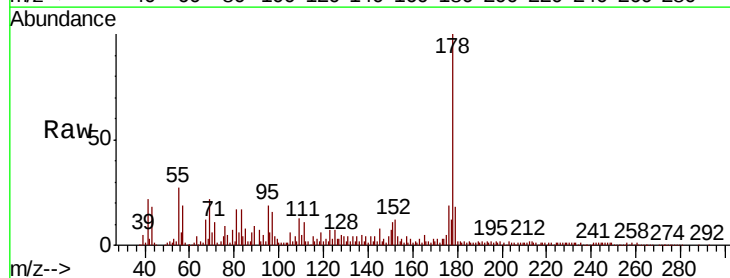
Tgt Ion:178 Resp: 698828

Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

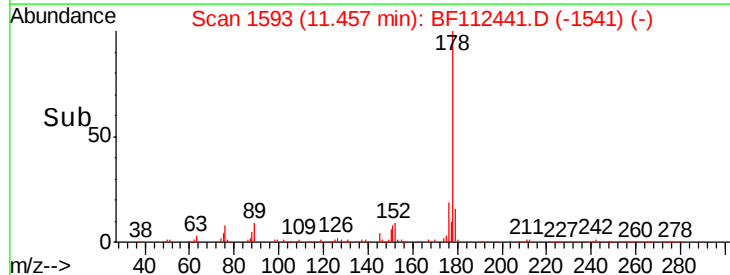
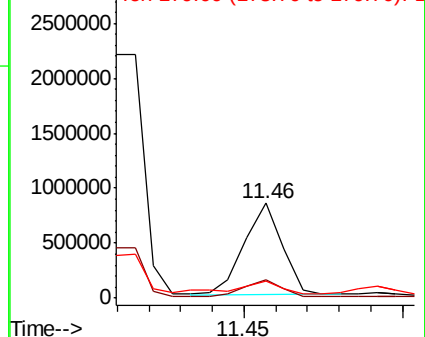
179 17.8 12.8 19.2

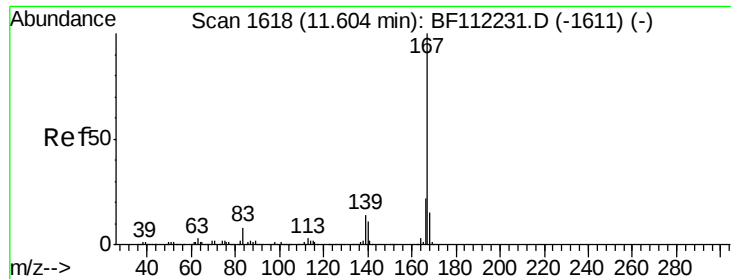


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

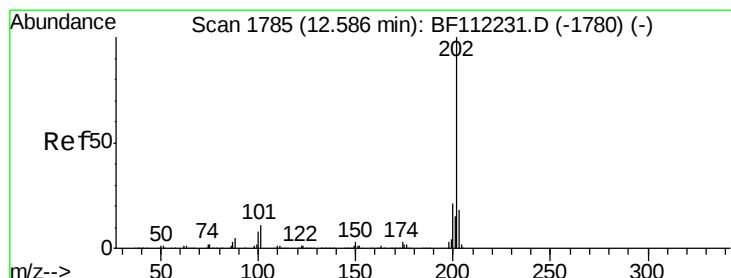
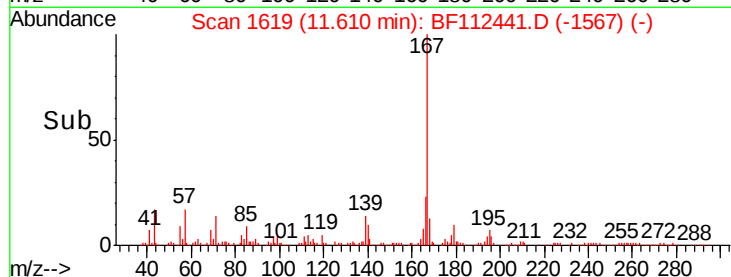
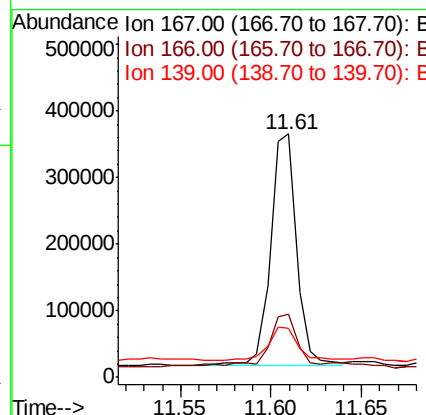
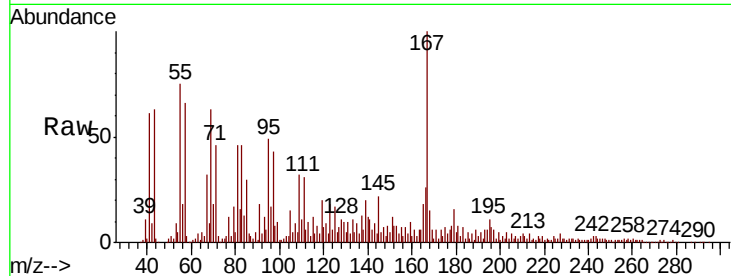




#73
 Carbazole
 Concen: 20.259 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. 0.01 min
 Lab File: BF112441.D
 Acq: 7 Feb 2019 16:39

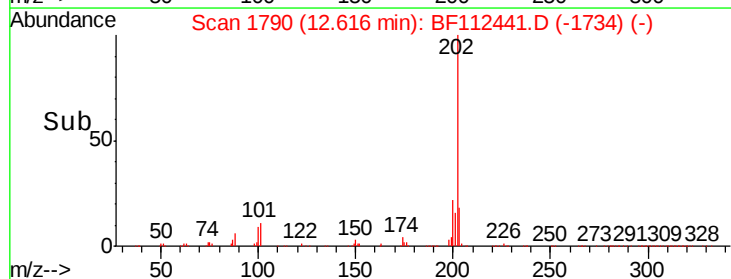
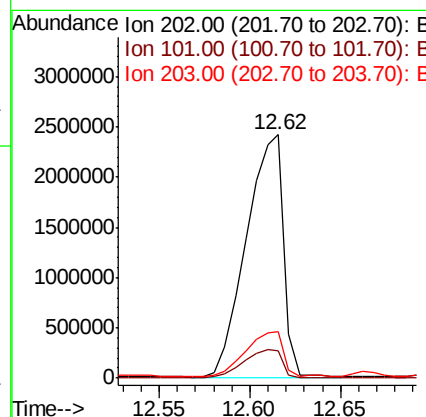
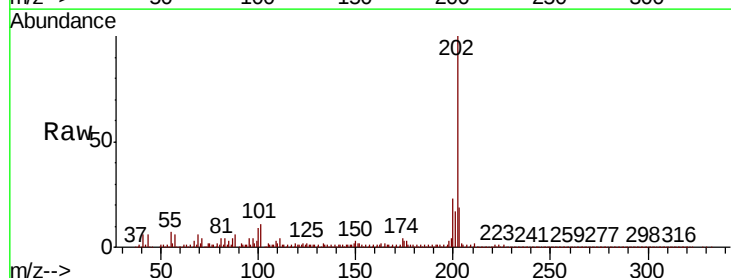
Instrument :
 BNA_F
 ClientSampleId :
 RBR-200028

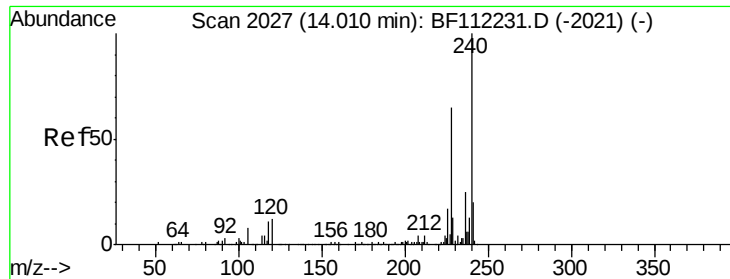
Tot Ion	Ratio	Lower	Upper
167	100		
166	25.9	17.9	26.9
139	20.1	10.2	15.2



#75
 Fluoranthene
 Concen: 182.547 ng
 RT: 12.62 min Scan# 1790
 Delta R.T. 0.03 min
 Lab File: BF112441.D
 Acq: 7 Feb 2019 16:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.8
203	19.1	0.0	38.4

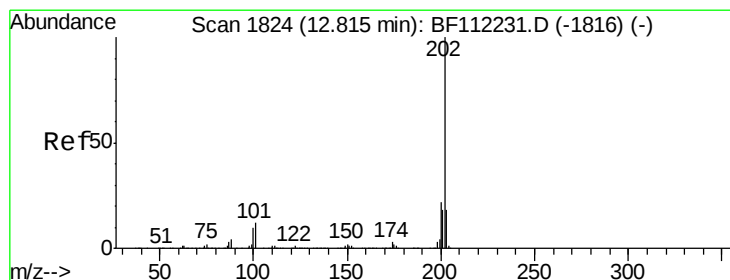
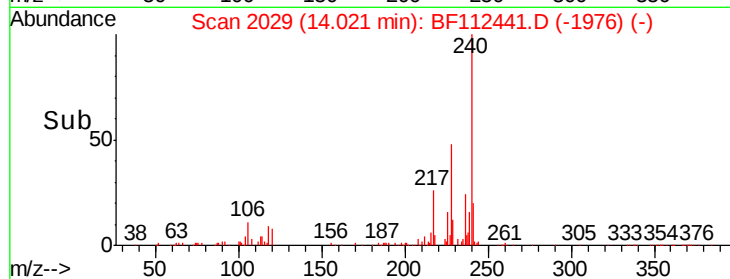
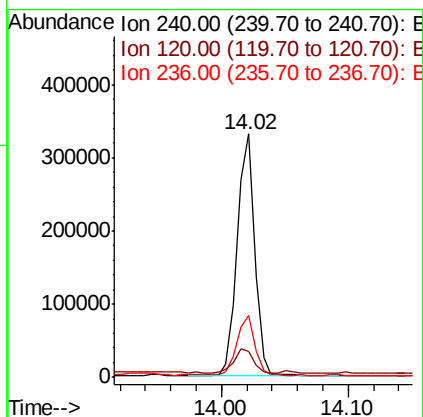
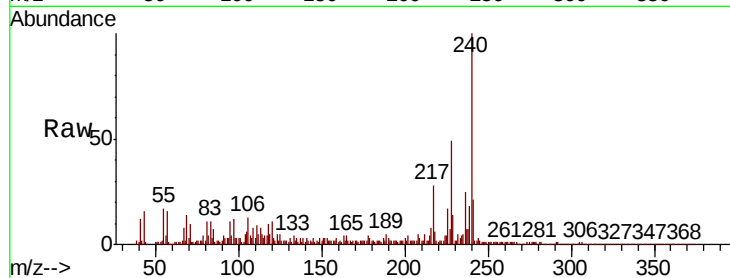




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BF112441.D
Acq: 7 Feb 2019 16:39

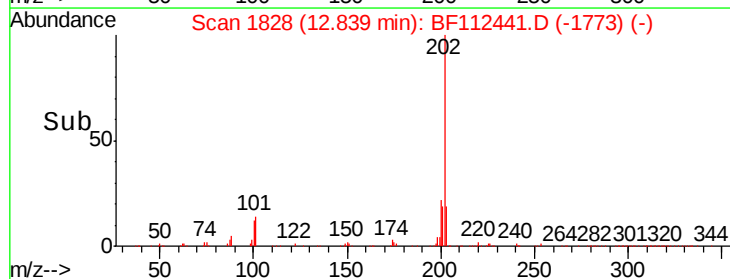
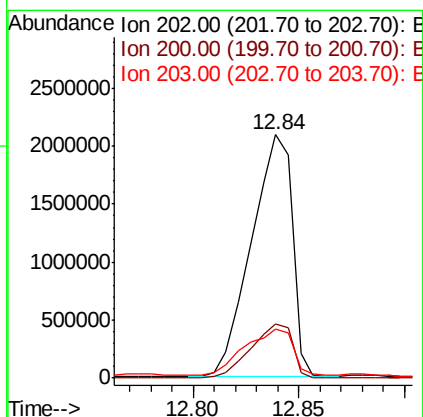
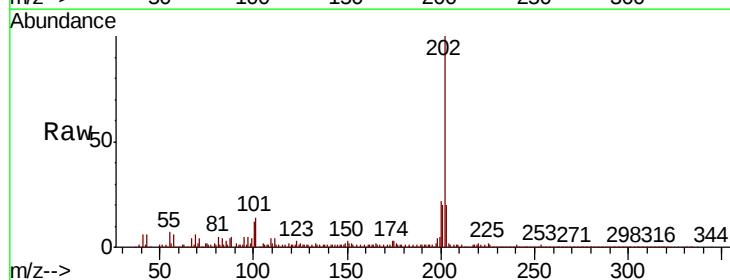
Instrument :
BNA_F
ClientSampleId :
RBR-200028

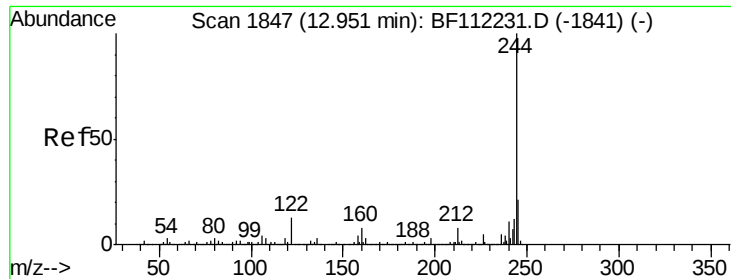
Tot Ion:240 Resp: 312843
Ion Ratio Lower Upper
240 100
120 10.9 9.0 13.6
236 25.4 20.7 31.1



#78
Pyrene
Concen: 130.097 ng
RT: 12.84 min Scan# 1828
Delta R.T. 0.02 min
Lab File: BF112441.D
Acq: 7 Feb 2019 16:39

Tgt Ion:202 Resp: 2817833
Ion Ratio Lower Upper
202 100
200 22.3 17.7 26.5
203 20.0 14.6 22.0

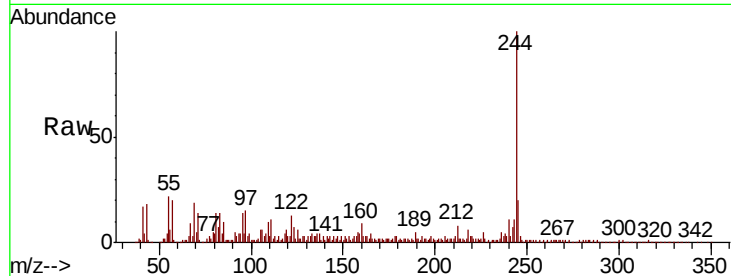




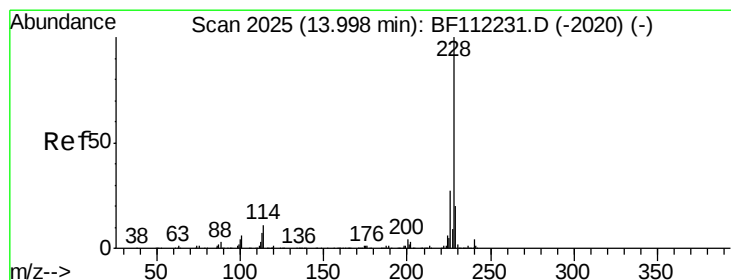
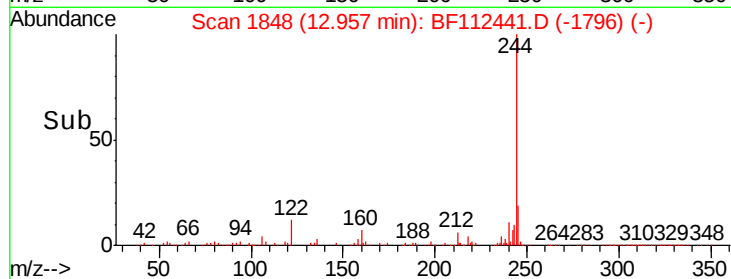
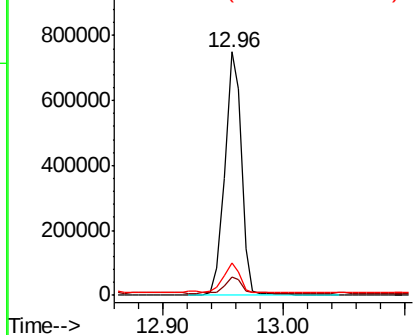
#79
 Terphenyl-d14
 Concen: 42.339 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. 0.01 min
 Lab File: BF112441.D
 Acq: 7 Feb 2019 16:39

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200028

Tot Ion:244 Resp: 703258
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.9 8.9
 122 13.2 9.8 14.6

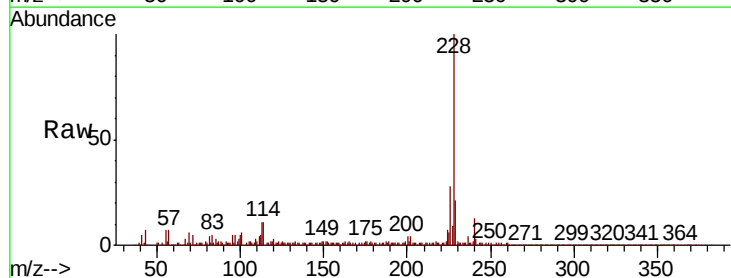


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

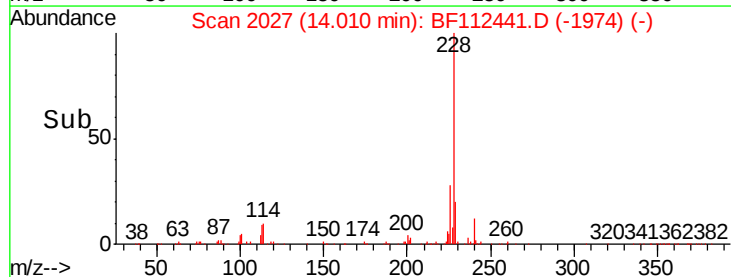
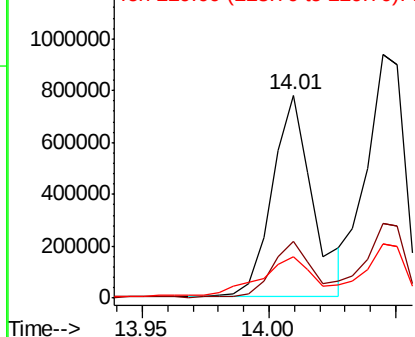


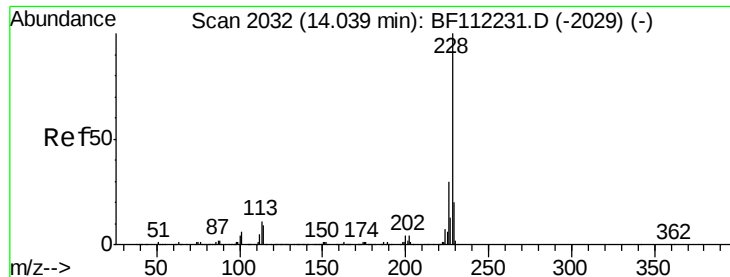
#81
 Benzo(a)anthracene
 Concen: 47.010 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.01 min
 Lab File: BF112441.D
 Acq: 7 Feb 2019 16:39

Tgt Ion:228 Resp: 864546
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.6 34.0
 229 20.5 16.5 24.7



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

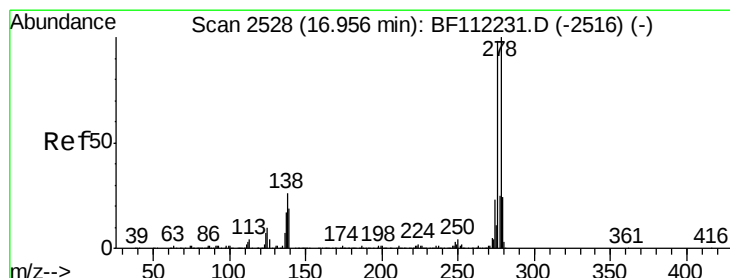
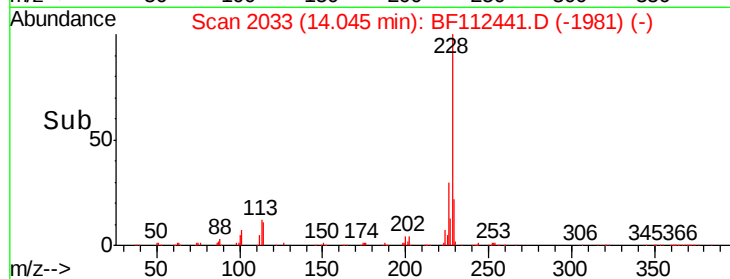
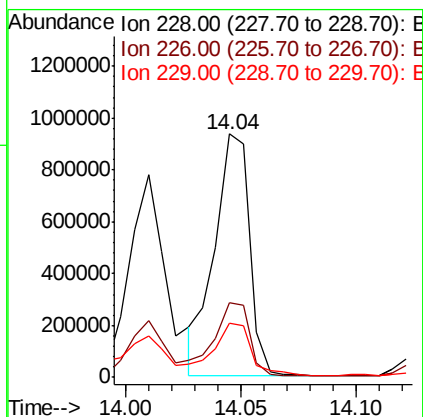
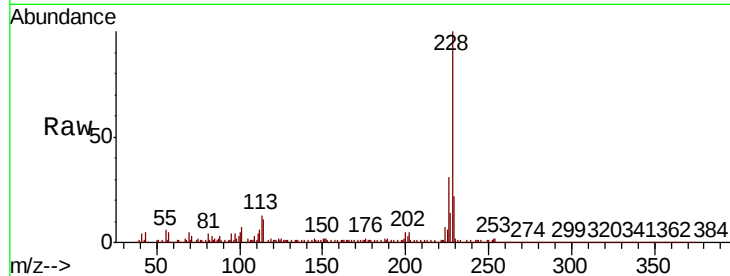




#83
 Chrvsene
 Concen: 56.069 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. 0.01 min
 Lab File: BF112441.D
 Acq: 7 Feb 2019 16:39

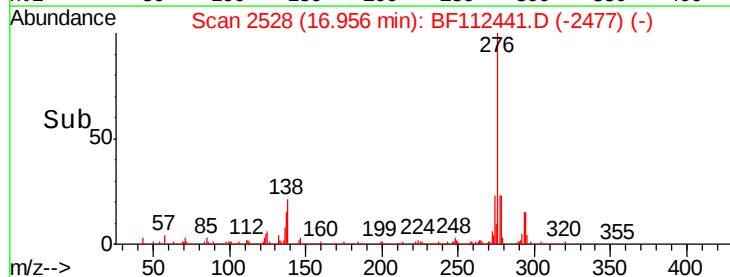
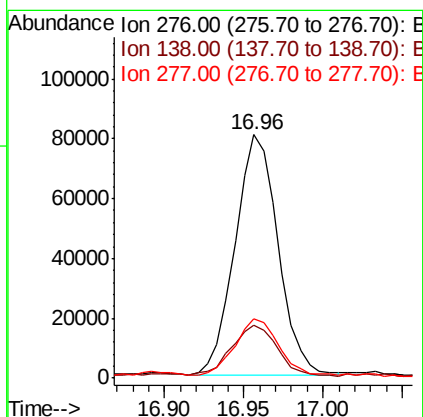
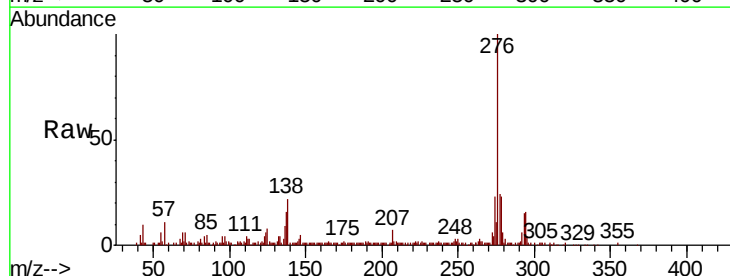
Instrument :
 BNA_F
 ClientSampleId :
 RBR-200028

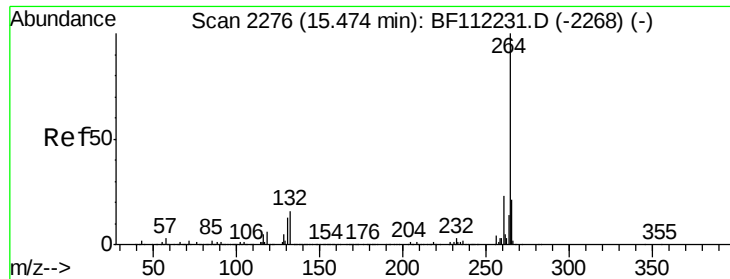
Tot Ion:228 Resp: 984278
 Ion Ratio Lower Upper
 228 100
 226 30.8 25.0 37.6
 229 22.5 16.6 24.8



#86
 Indeno(1,2,3-cd)pyrene
 Concen: 10.916 ng
 RT: 16.96 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: BF112441.D
 Acq: 7 Feb 2019 16:39

Tgt Ion:276 Resp: 151845
 Ion Ratio Lower Upper
 276 100
 138 22.3 22.6 34.0#
 277 23.2 20.3 30.5



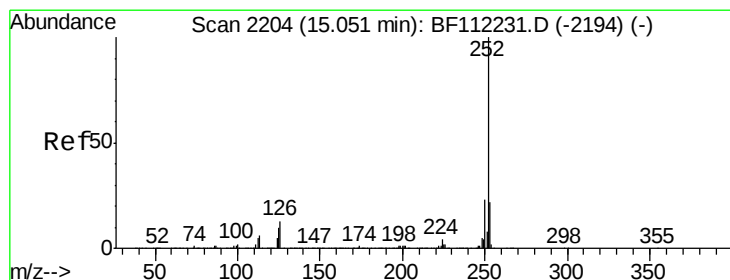
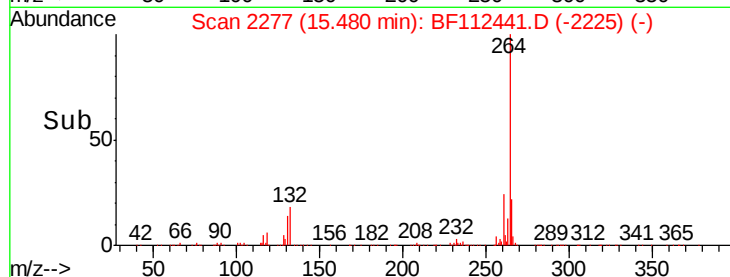
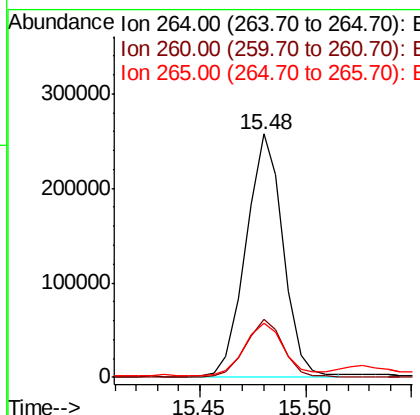
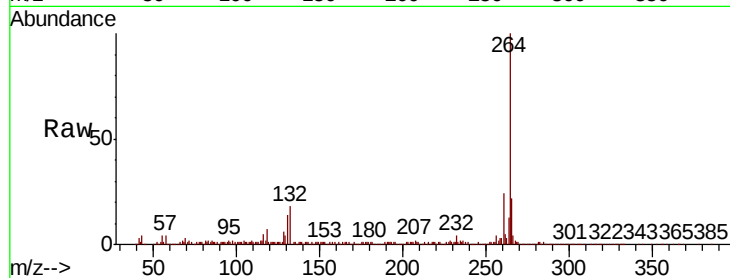


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF112441.D
Acq: 7 Feb 2019 16:39

Instrument :
BNA_F
ClientSampleId :
RBR-200028

Tot Ion:264 Resp: 311779

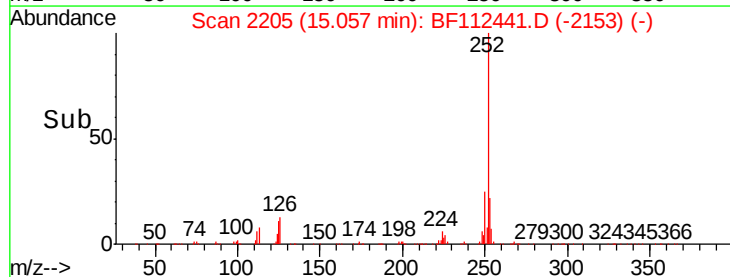
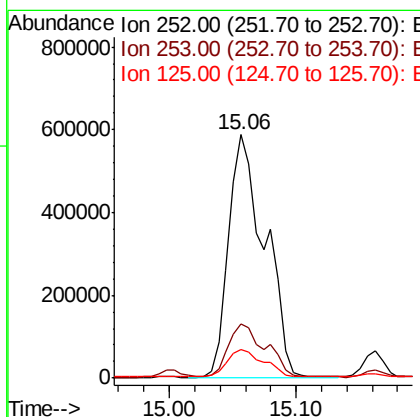
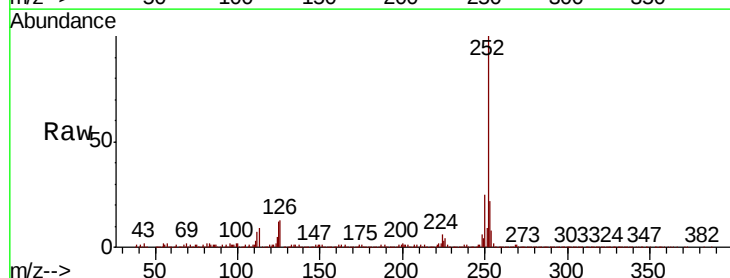
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.2	27.2
265	22.5	17.0	25.4

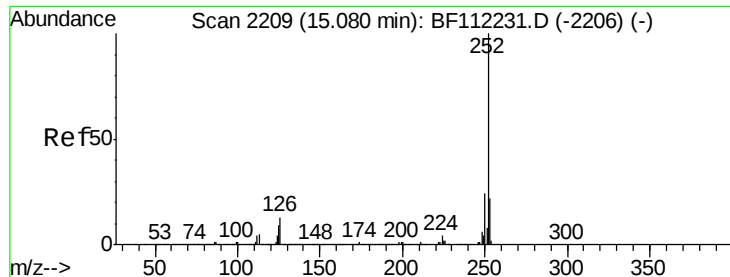


#88
Benzo(b)fluoranthene
Concen: 62.034 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF112441.D
Acq: 7 Feb 2019 16:39

Tgt Ion:252 Resp: 1156684

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	11.8	8.7	13.1





#89

Benzo(k)fluoranthene

Concen: 64.764 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BF112441.D

Acq: 7 Feb 2019 16:39

Instrument :

BNA_F

ClientSampleId :

RBR-200028

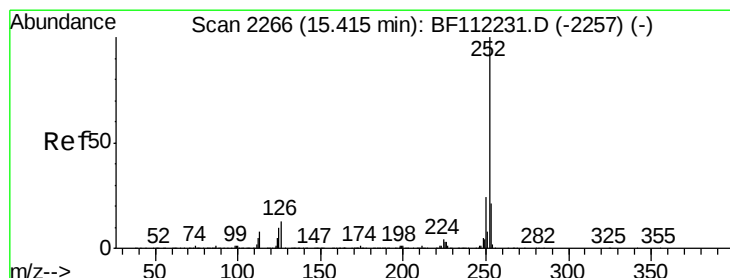
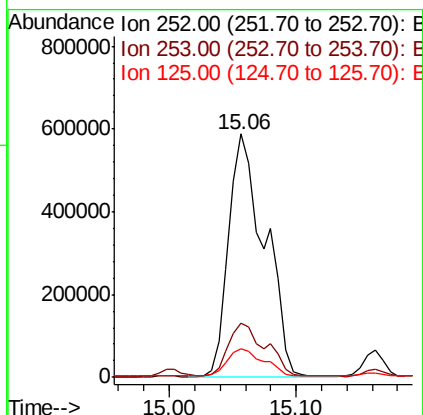
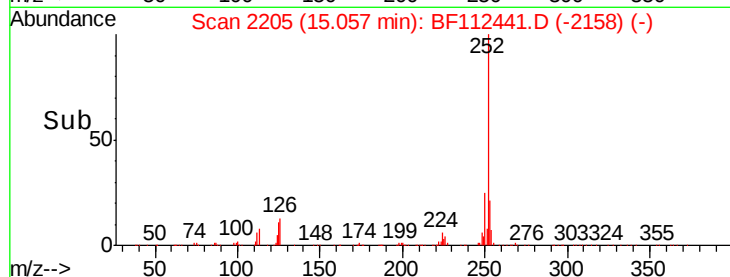
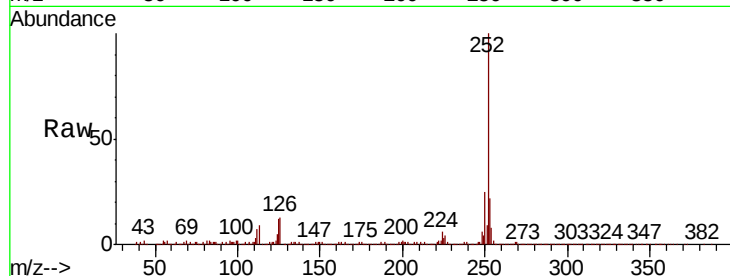
Tot Ion:252 Resp: 1156684

Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

125 11.8 9.1 13.7



#90

Benzo(a)pyrene

Concen: 24.422 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.01 min

Lab File: BF112441.D

Acq: 7 Feb 2019 16:39

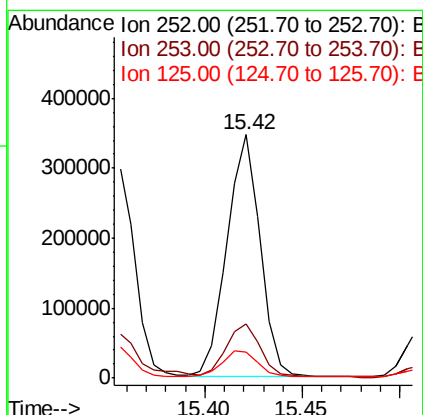
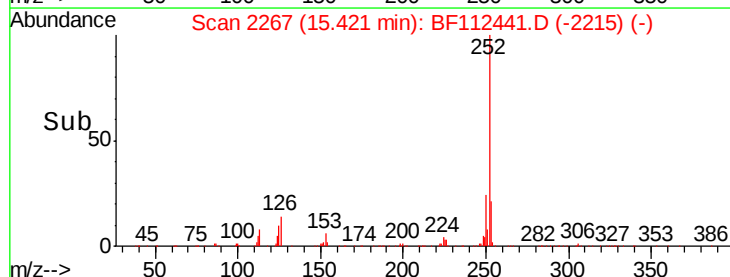
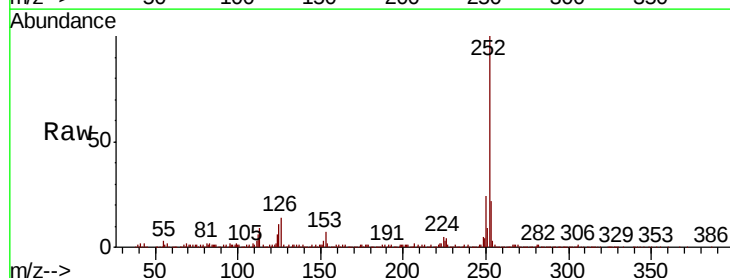
Tgt Ion:252 Resp: 409731

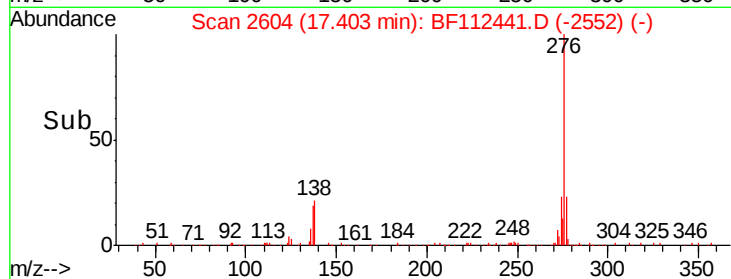
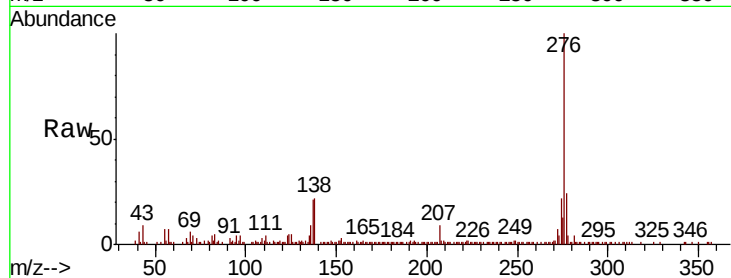
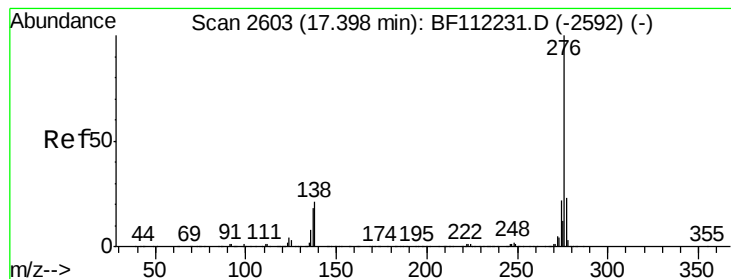
Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 10.9 9.0 13.4





#92

Benzo(a,h,i)perylene

Concen: 9.686 ng

RT: 17.40 min Scan# 2604

Delta R.T. 0.01 min

Lab File: BF112441.D

Acq: 7 Feb 2019 16:39

Instrument :

BNA_F

ClientSampleId :

RBR-200028

Tot Ion:276 Resp: 123559

Ion Ratio Lower Upper

276 100

277 24.4 19.4 29.0

138 22.3 19.1 28.7

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

