

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
 Data File : BF118622.D
 Acq On : 21 Jan 2020 7:07
 Operator : CG/JU
 Sample : L1148-11
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 21 07:52:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	483094	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	1645355	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	823381	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	1141534	20.00	ng	0.00
76) Chrysene-d12	14.07	240	910795	20.00	ng	0.02
87) Perylene-d12	15.54	264	863182	20.00	ng	0.03

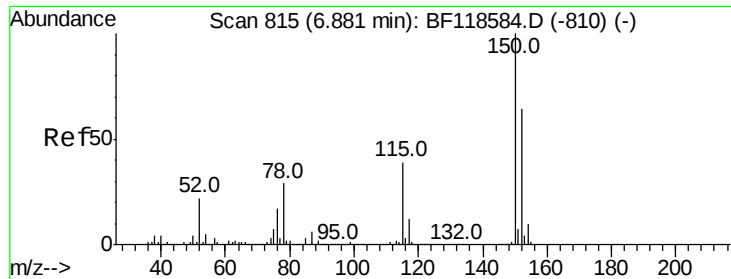
System Monitoring Compounds

5) 2-Fluorophenol	5.51	112	2817067	108.30	ng	0.01
7) Phenol-d6	6.51	99	3571622	105.64	ng	0.00
23) Nitrobenzene-d5	7.45	82	2187503	74.36	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	852499	89.52	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	3555556	70.98	ng	0.00
79) Terphenyl-d14	13.02	244	2676887	64.10	ng	0.02

Target Compounds

						Qvalue
3) Pyridine	3.49	79	488407	13.754	ng	# 63
15) Benzyl Alcohol	7.04	79	60894	2.271	ng	# 52
18) Hexachloroethane	7.42	117	107604	8.651	ng	# 9
22) Acetophenone	7.28	105	84394	2.165	ng	# 94
25) Isophorone	7.45	82	2177928	40.592	ng	# 64
31) Naphthalene	8.19	128	2751707	37.022	ng	# 99
33) 4-Chloroaniline	8.19	127	400191	11.649	ng	# 35
37) 2-Methylnaphthalene	8.98	142	874941	16.677	ng	# 97
38) 1-Methylnaphthalene	8.98	142	874941	17.554	ng	# 98
46) 1,1'-Biphenyl	9.35	154	347242	6.119	ng	# 96
49) Acenaphthylene	9.79	152	2142124	31.835	ng	# 98
50) Dimethylphthalate	9.63	163	333686	6.220	ng	# 93
52) Acenaphthene	9.96	154	413143	9.182	ng	# 95
54) 2,4-Dinitrophenol	9.97	184	41407	8.634	ng	# 16
55) Dibenzofuran	10.13	168	552531	8.861	ng	# 94
58) Fluorene	10.47	166	1165994	23.820	ng	# 99
66) n-Nitrosodiphenylamine	10.59	169	96404	2.800	ng	# 67
67) 4-Bromophenyl-phenylether	10.72	248	54131	3.838	ng	# 1
71) Phenanthrene	11.45	178	4354396	79.067	ng	# 99
72) Anthracene	11.49	178	1282493	23.535	ng	# 97
73) Carbazole	11.64	167	275142	5.505	ng	# 84
75) Fluoranthene	12.67	202	4318167	74.341	ng	# 97
78) Pyrene	12.89	202	4906871	79.354	ng	# 99
81) Benzo(a)anthracene	14.06	228	3770834	68.825	ng	# 96
83) Chrysene	14.10	228	3717832	70.802	ng	# 96
86) Indeno(1,2,3-cd)pyrene	17.04	276	2346272	51.424	ng	# 97
88) Benzo(b)fluoranthene	15.12	252	6189842	114.083	ng	# 95
89) Benzo(k)fluoranthene	15.12	252	6189842	123.139	ng	# 96
90) Benzo(a)pyrene	15.49	252	3271391	69.896	ng	# 98
91) Dibenzo(a,h)anthracene	17.20	278	405686	9.799	ng	# 92
92) Benzo(g,h,i)perylene	17.49	276	2594124	64.534	ng	# 97

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

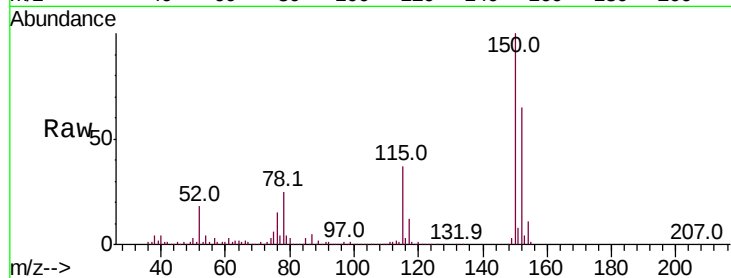


#1

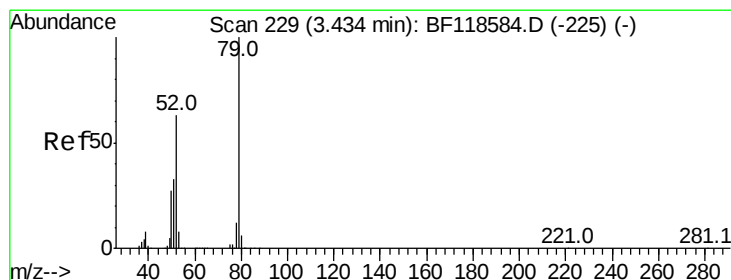
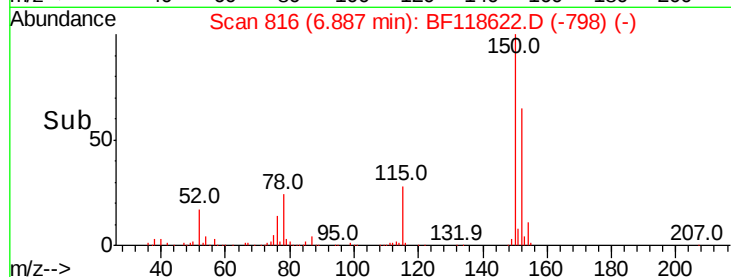
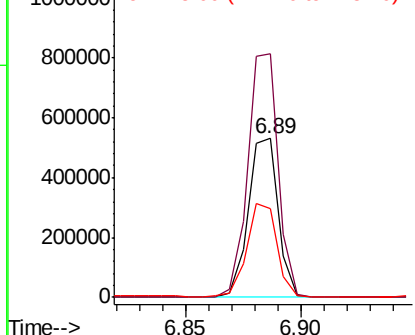
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF118622.D
Acq: 21 Jan 2020 7:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 483094
Ion Ratio Lower Upper
152 100
150 153.3 125.6 188.4
115 56.2 48.4 72.6



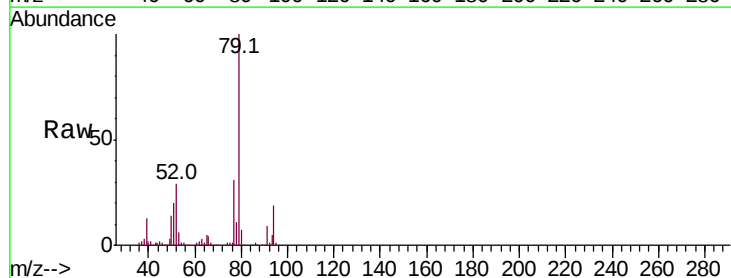
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



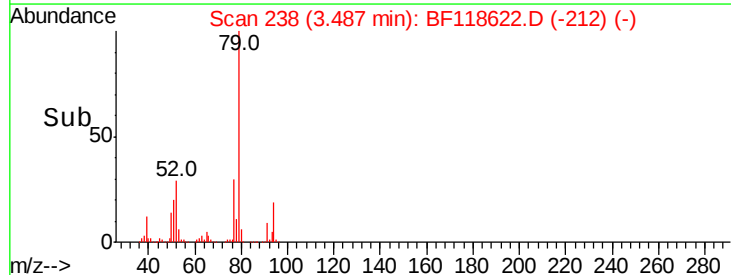
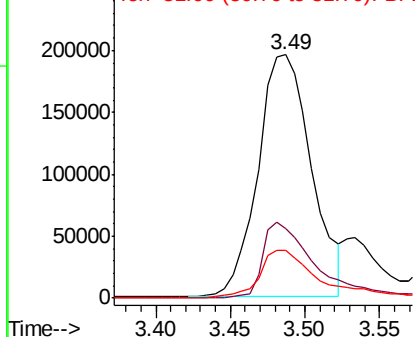
#3

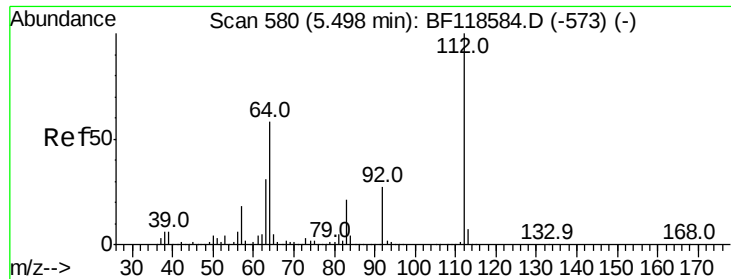
Pyridine
Concen: 13.754 ng
RT: 3.49 min Scan# 238
Delta R.T. 0.05 min
Lab File: BF118622.D
Acq: 21 Jan 2020 7:07

Tgt Ion: 79 Resp: 488407
Ion Ratio Lower Upper
79 100
52 28.6 50.7 76.1#
51 19.8 26.6 40.0#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1





#5

2-Fluorophenol

Concen: 108.302 ng

RT: 5.51 min Scan# 582

Delta R.T. 0.01 min

Lab File: BF118622.D

Acq: 21 Jan 2020 7:07

Instrument :

BNA_F

ClientSampleId :

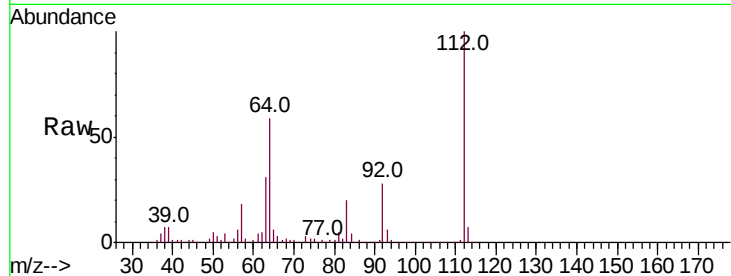
Tot Ion:112 Resp: 2817067

Ion Ratio Lower Upper

112 100

64 59.4 46.6 70.0

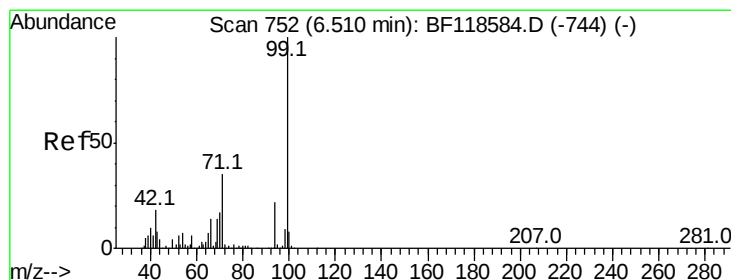
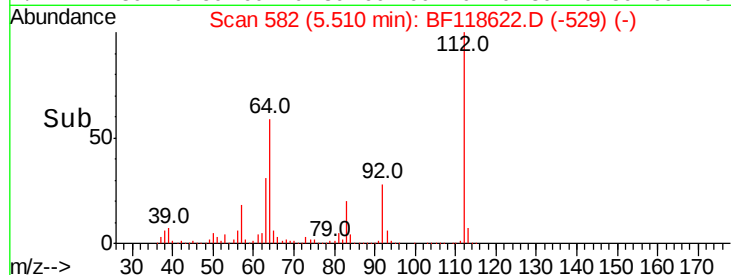
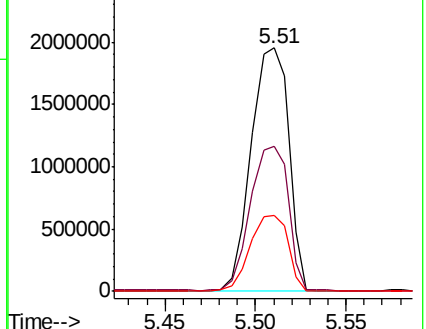
63 31.4 25.1 37.7



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: 105.645 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF118622.D

Acq: 21 Jan 2020 7:07

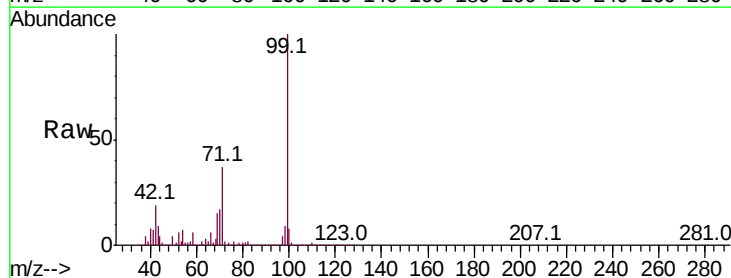
Tgt Ion: 99 Resp: 3571622

Ion Ratio Lower Upper

99 100

42 18.5 14.2 21.2

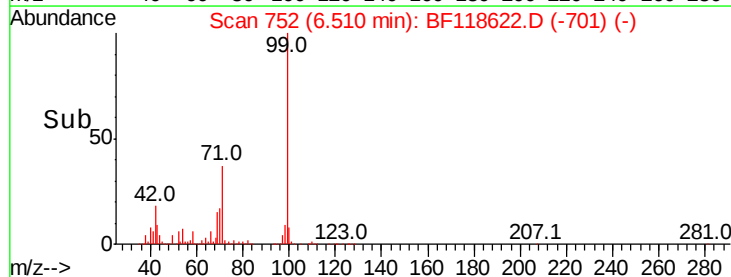
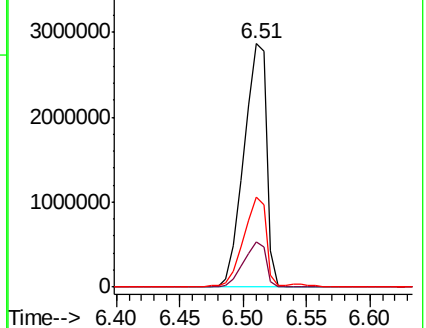
71 37.2 27.8 41.6

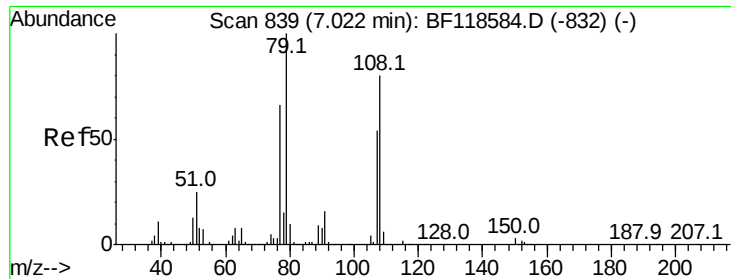


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#15

Benzyl Alcohol

Concen: 2.271 ng

RT: 7.04 min Scan# 842

Delta R.T. 0.02 min

Lab File: BF118622.D

Acq: 21 Jan 2020 7:07

Instrument :

BNA_F

ClientSampleId :

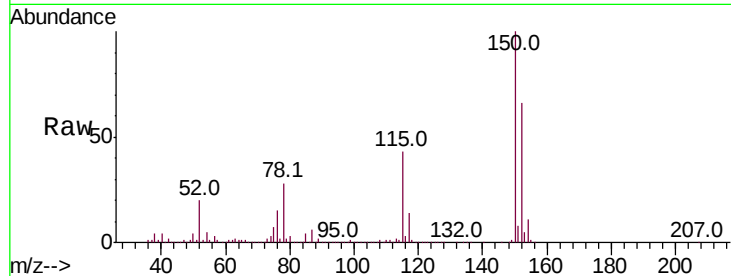
Tot Ion: 79 Resp: 60894

Ion Ratio Lower Upper

79 100

108 35.3 63.6 95.4#

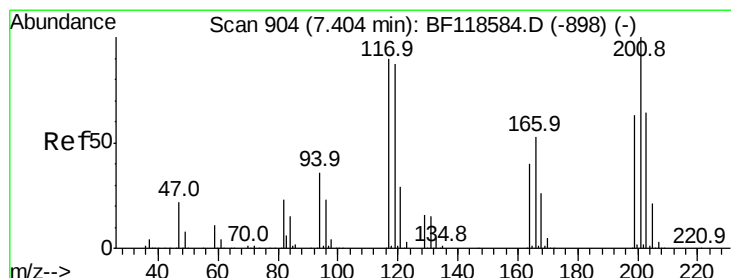
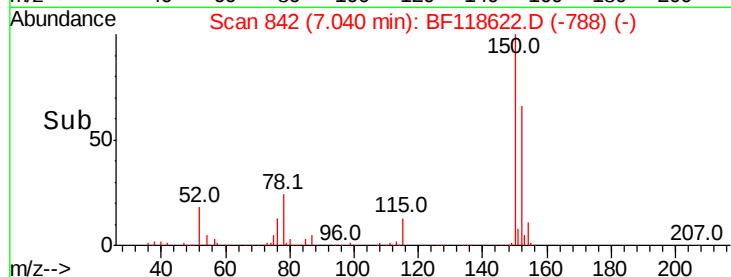
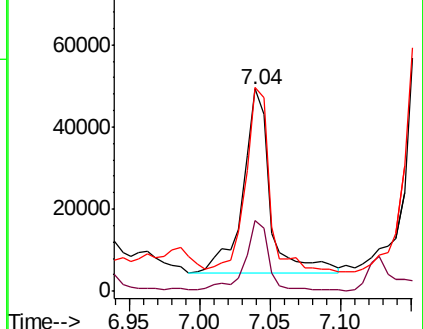
77 101.1 52.5 78.7#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#18

Hexachloroethane

Concen: 8.651 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.02 min

Lab File: BF118622.D

Acq: 21 Jan 2020 7:07

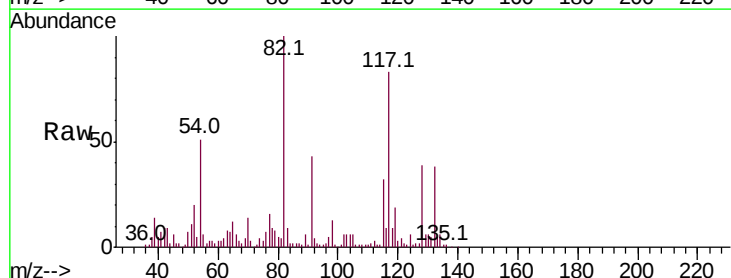
Tgt Ion: 117 Resp: 107604

Ion Ratio Lower Upper

117 100

119 23.4 77.6 116.4#

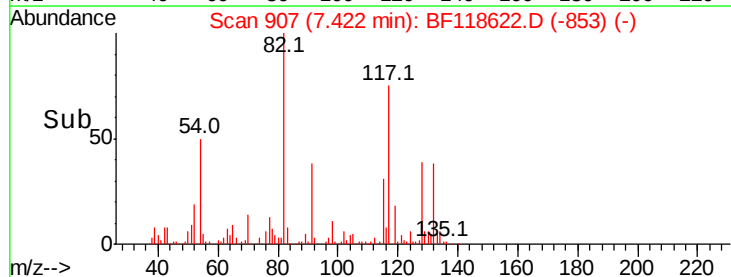
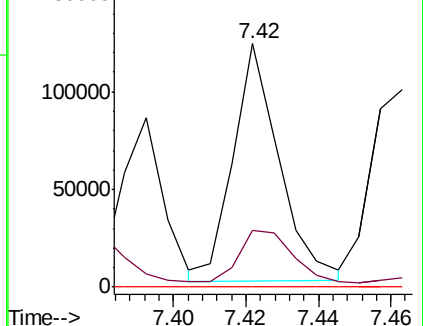
201 0.0 88.8 133.2#

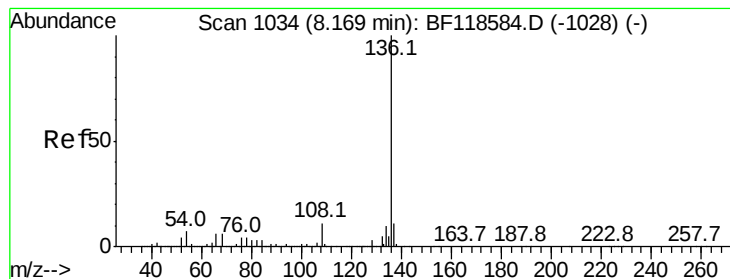


Abundance Ion 117.00 (116.70 to 117.70): BF1

Ion 119.00 (118.70 to 119.70): BF1

Ion 201.00 (200.70 to 201.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF118622.D

Acq: 21 Jan 2020 7:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1645355

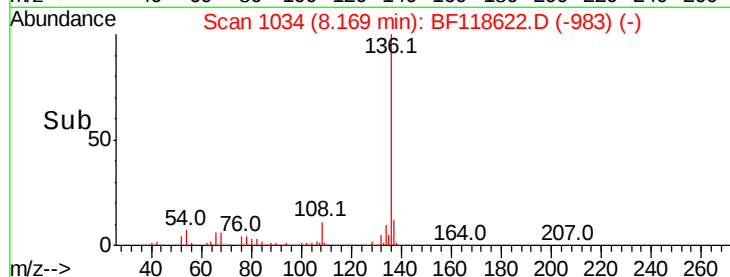
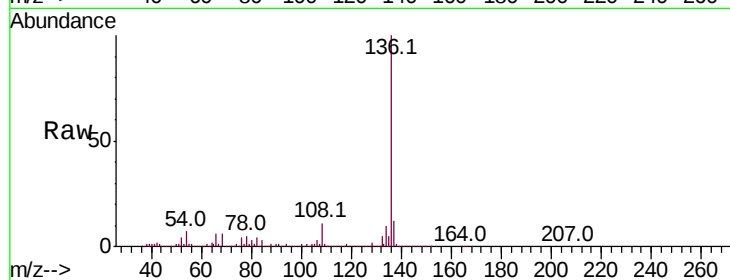
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 7.3 5.8 8.6

68 6.4 5.0 7.4

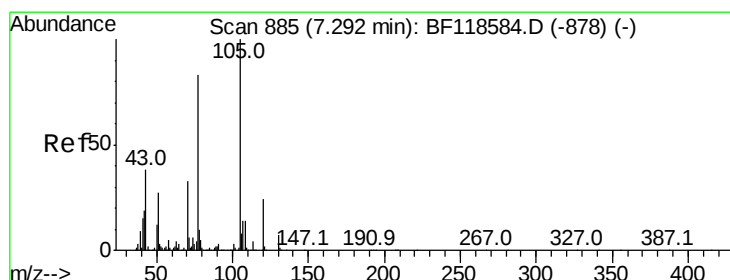
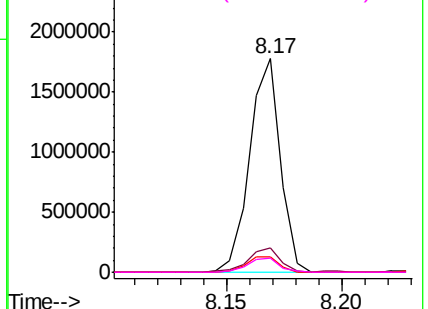


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 2.165 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF118622.D

Acq: 21 Jan 2020 7:07

Tgt Ion:105 Resp: 84394

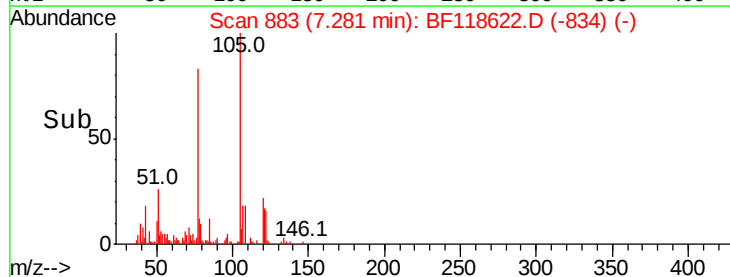
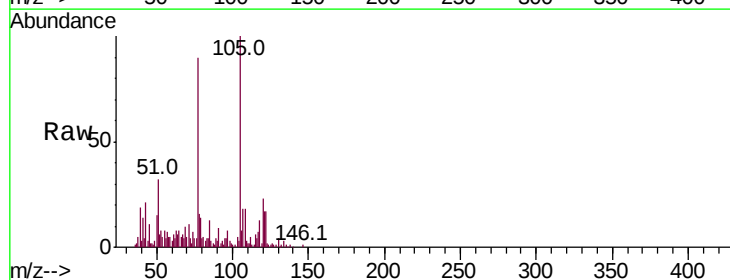
Ion Ratio Lower Upper

105 100

71 10.5 4.5 6.7#

51 31.6 21.5 32.3

120 23.1 19.0 28.6

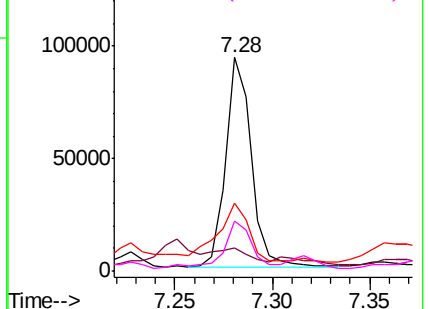


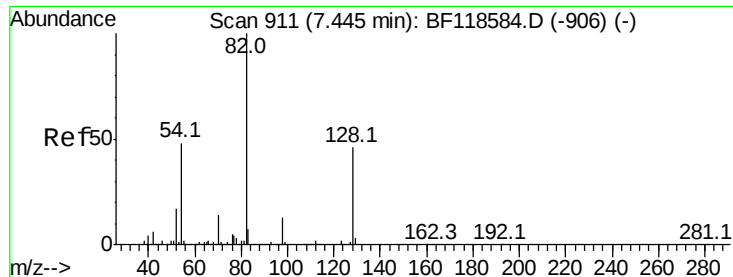
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

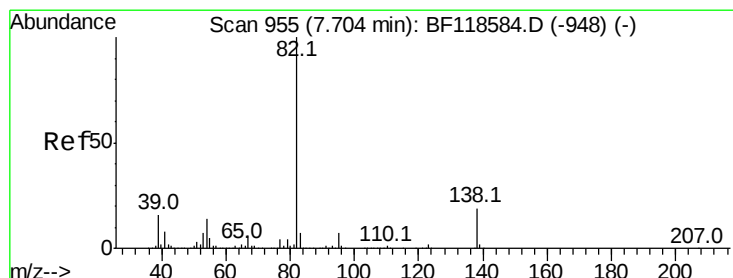
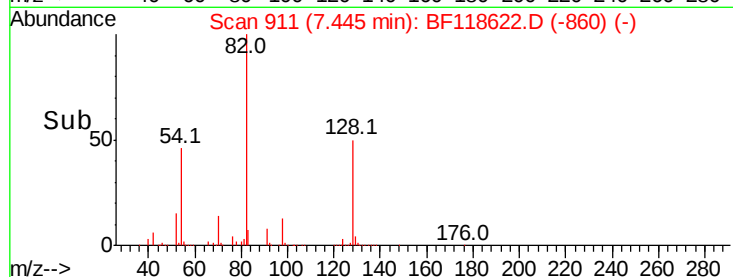
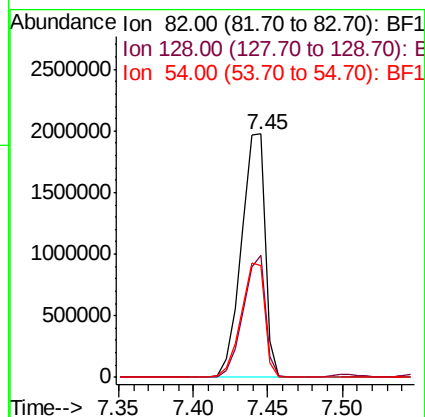
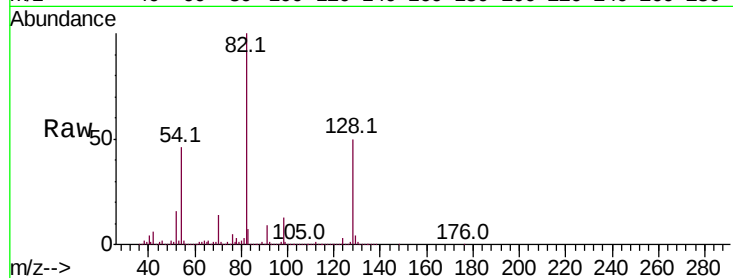




#23
Nitrobenzene-d5
Concen: 74.364 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.00 min
Lab File: BF118622.D
Acq: 21 Jan 2020 7:07

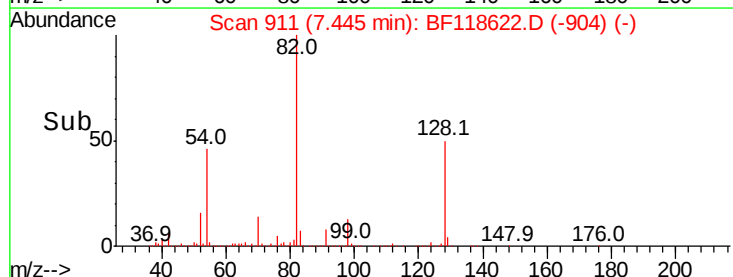
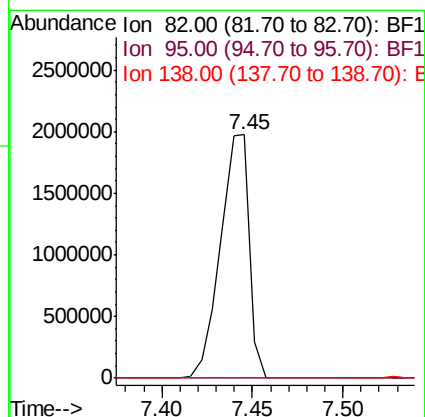
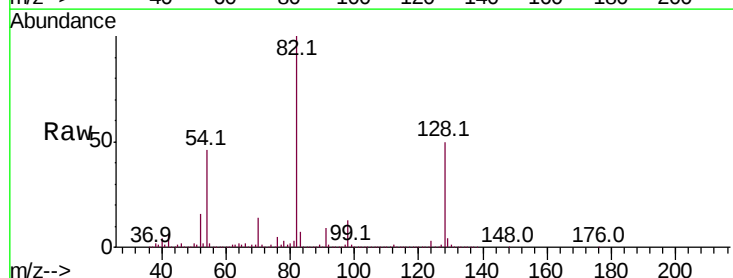
Instrument :
BNA_F
ClientSampled :

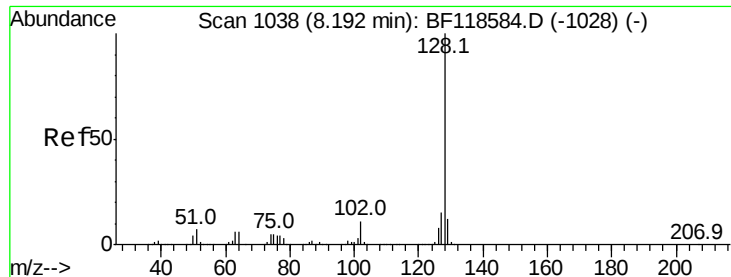
Tot Ion: 82 Resp: 2187503
Ion Ratio Lower Upper
82 100
128 50.0 36.6 54.8
54 45.7 38.0 57.0



#25
Isophorone
Concen: 40.592 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF118622.D
Acq: 21 Jan 2020 7:07

Tgt Ion: 82 Resp: 2177928
Ion Ratio Lower Upper
82 100
95 0.2 5.9 8.9#
138 0.0 15.3 22.9#

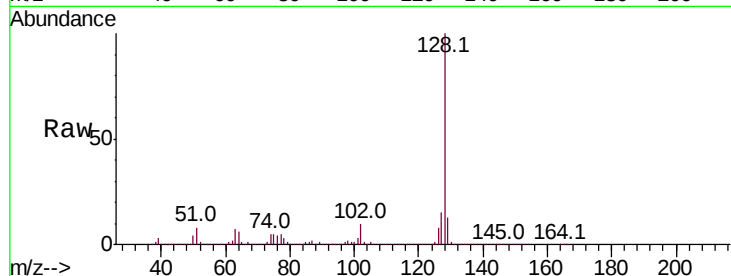




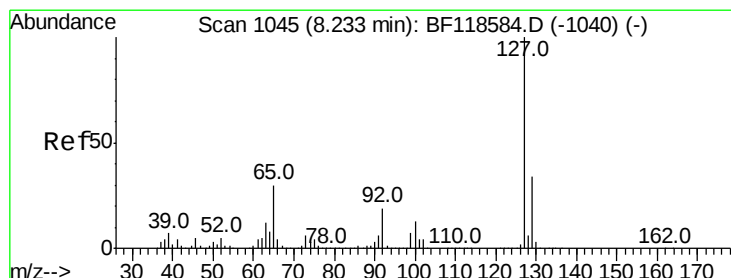
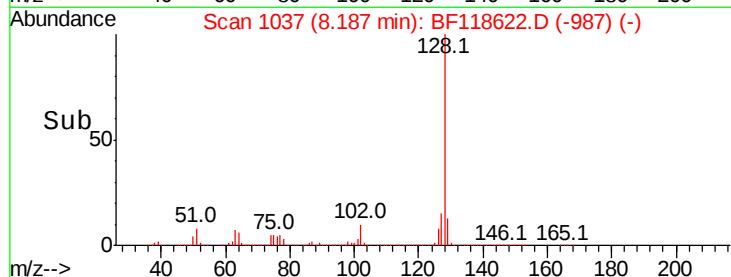
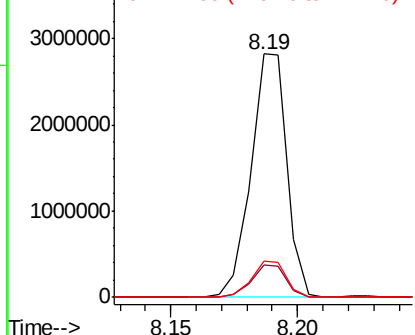
#31
Naphthalene
Concen: 37.022 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF118622.D
Acq: 21 Jan 2020 7:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 2751707
Ion Ratio Lower Upper
128 100
129 13.1 9.9 14.9
127 14.6 12.0 18.0

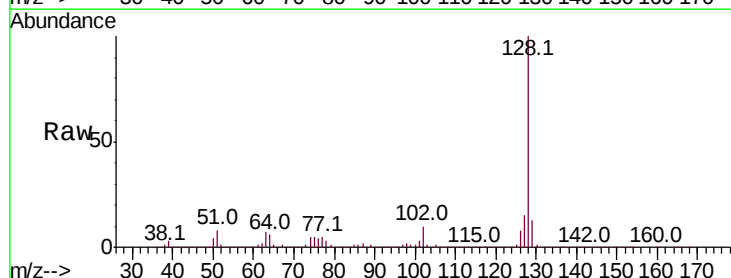


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

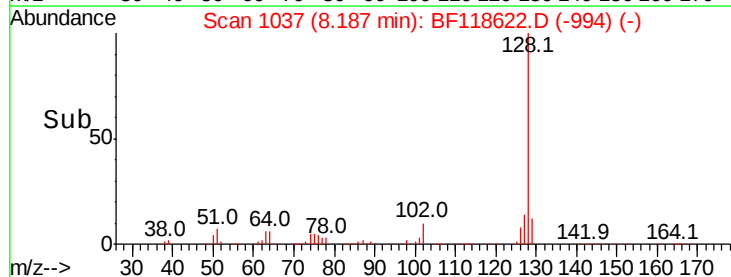
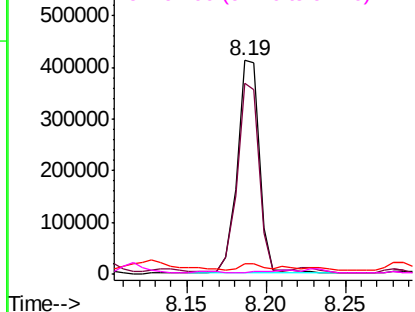


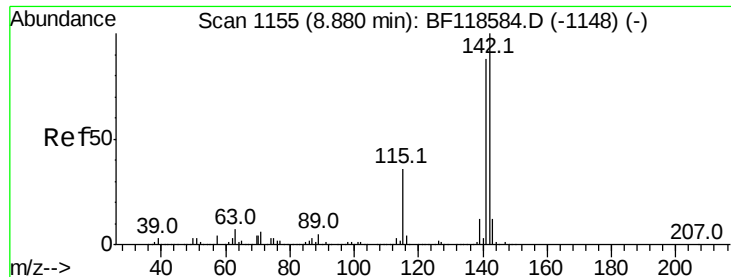
#33
4-Chloroaniline
Concen: 11.649 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.05 min
Lab File: BF118622.D
Acq: 21 Jan 2020 7:07

Tgt Ion:127 Resp: 400191
Ion Ratio Lower Upper
127 100
129 89.3 27.4 41.0#
65 5.0 23.6 35.4#
92 0.8 15.0 22.4#



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

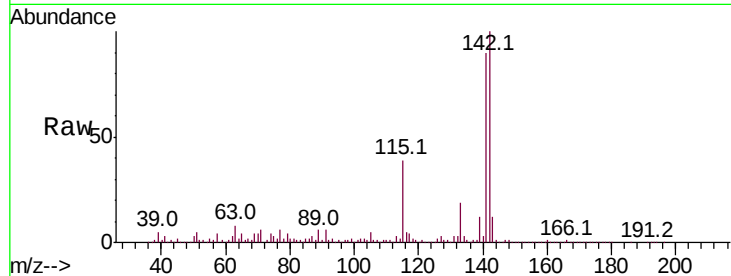




#37
2-Methylnaphthalene
Concen: 16.677 ng
RT: 8.98 min Scan# 1172
Delta R.T. 0.10 min
Lab File: BF118622.D
Acq: 21 Jan 2020 7:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.3	70.7	106.1
115	38.8	28.5	42.7

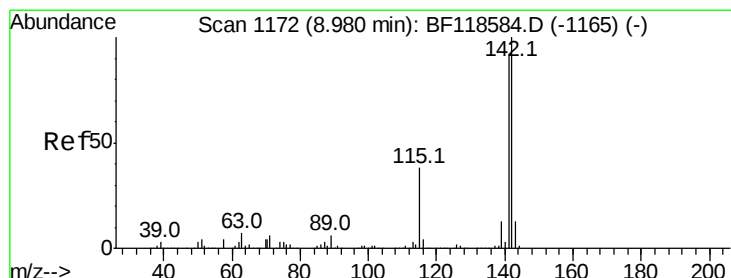
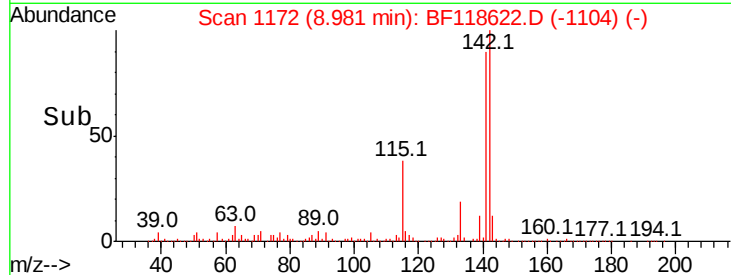
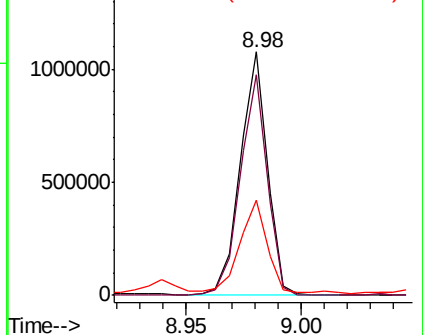


Abundance

Ion 142.00 (141.70 to 142.70): E

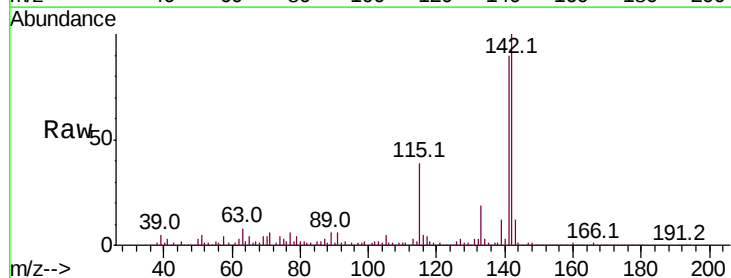
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 17.554 ng
RT: 8.98 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BF118622.D
Acq: 21 Jan 2020 7:07

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.3	73.4	110.2
116	5.0	3.3	4.9#

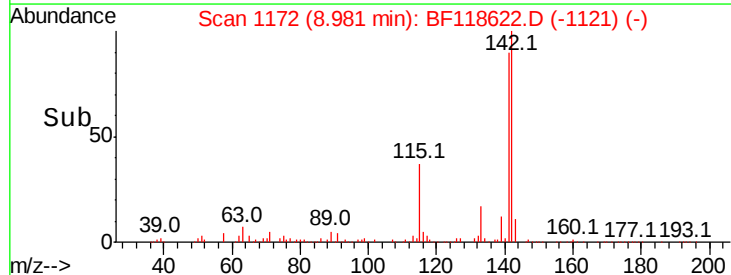
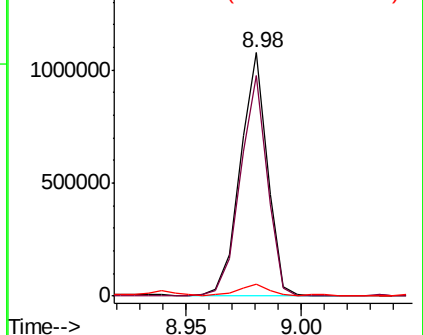


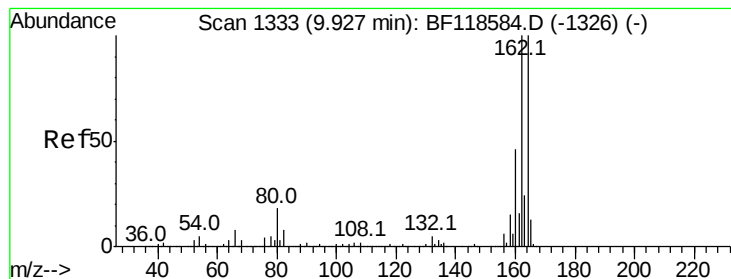
Abundance

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: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF118622.D

Acq: 21 Jan 2020 7:07

Instrument :

BNA_F

ClientSampleId :

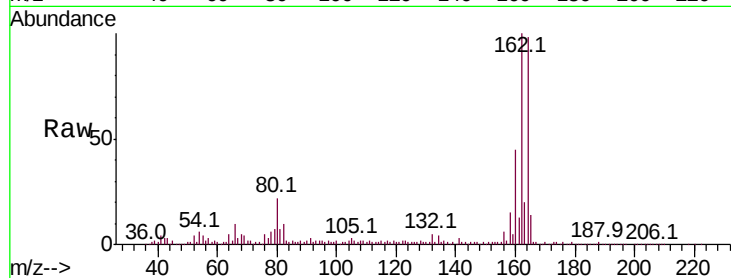
Tot Ion:164 Resp: 823381

Ion Ratio Lower Upper

164 100

162 101.8 80.4 120.6

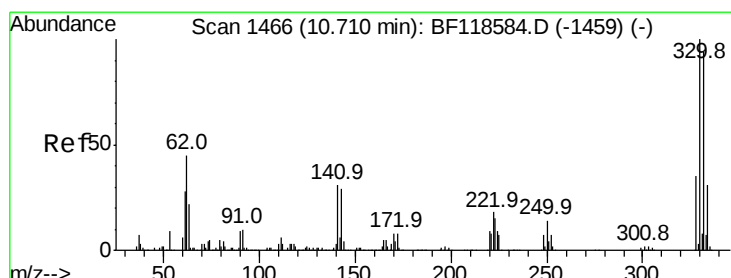
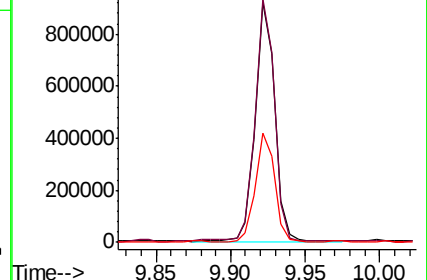
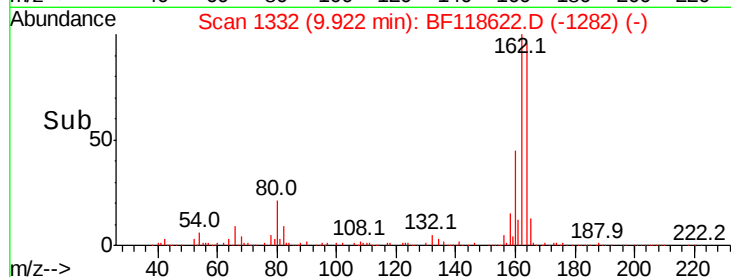
160 45.8 36.6 55.0



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: 89.516 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.01 min

Lab File: BF118622.D

Acq: 21 Jan 2020 7:07

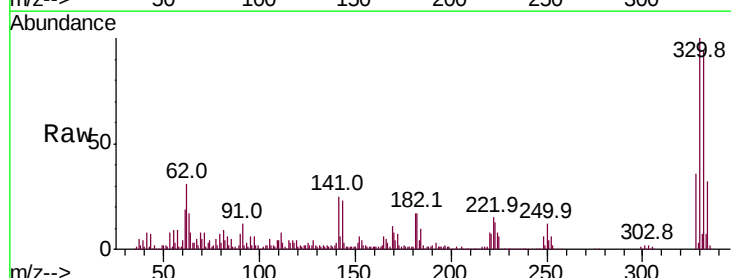
Tgt Ion:330 Resp: 852499

Ion Ratio Lower Upper

330 100

332 94.9 76.2 114.4

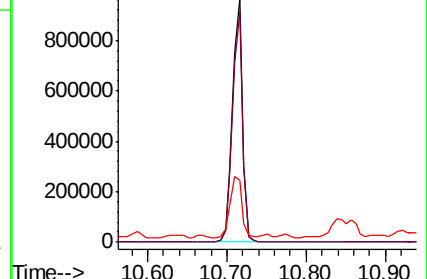
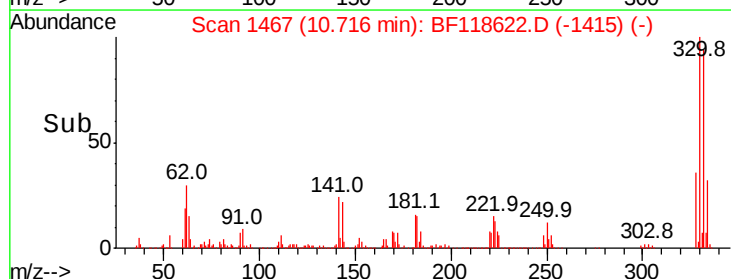
141 28.8 23.9 35.9

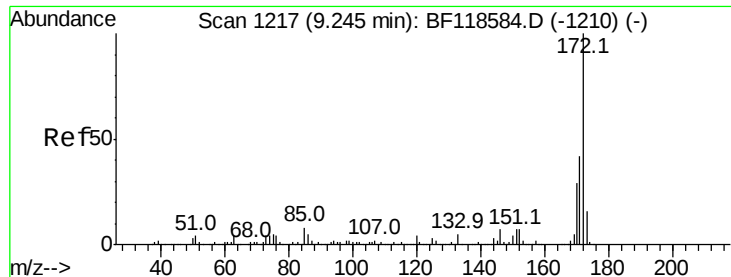


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

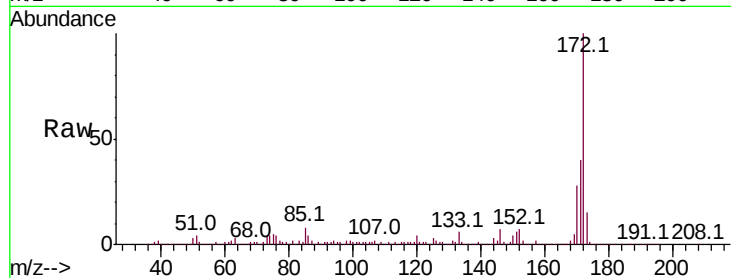




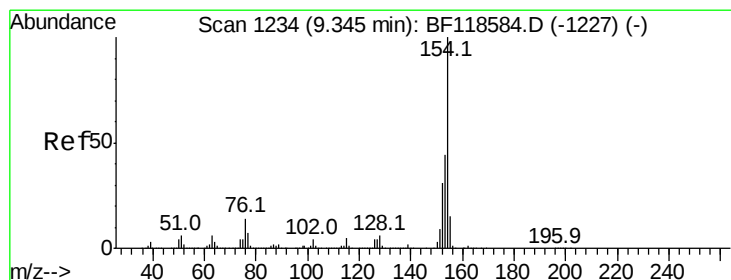
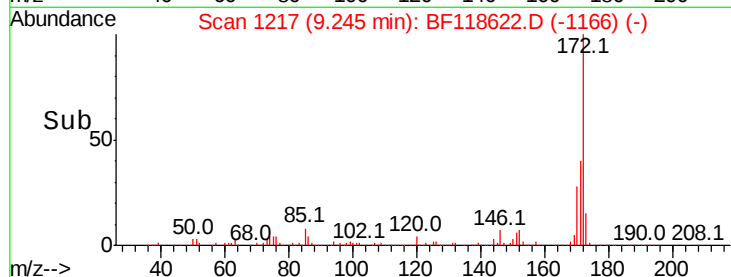
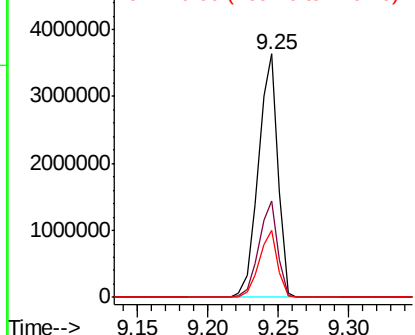
#45
2-Fluorobiphenyl
Concen: 70.975 ng
RT: 9.25 min Scan# 1217
Delta R.T. 0.00 min
Lab File: BF118622.D
Acq: 21 Jan 2020 7:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 3555556
Ion Ratio Lower Upper
172 100
171 39.7 33.4 50.2
170 27.6 23.2 34.8

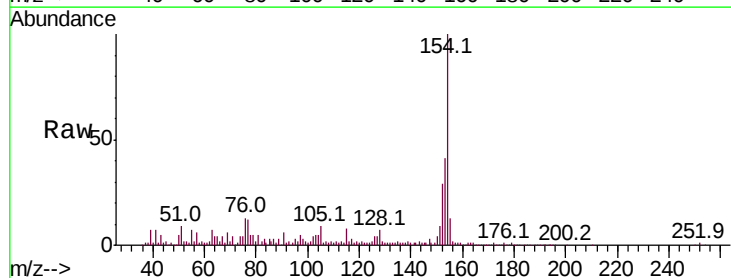


Abundance Ion 172.00 (171.70 to 172.70): E
5000000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

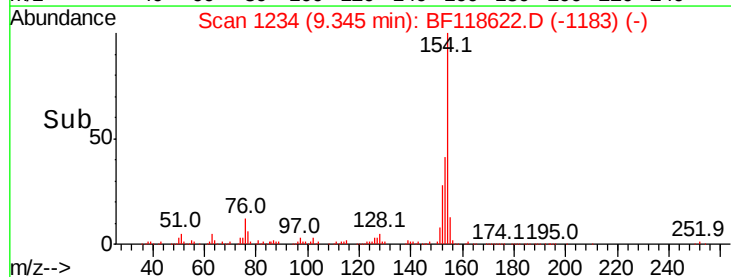
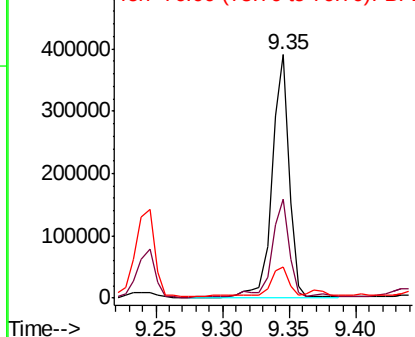


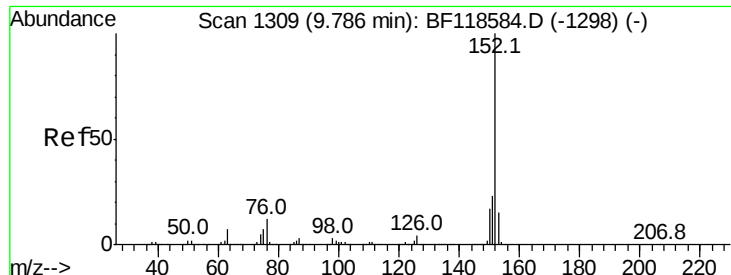
#46
1,1'-Biphenyl
Concen: 6.119 ng
RT: 9.35 min Scan# 1234
Delta R.T. 0.00 min
Lab File: BF118622.D
Acq: 21 Jan 2020 7:07

Tgt Ion:154 Resp: 347242
Ion Ratio Lower Upper
154 100
153 40.7 23.8 63.8
76 12.9 0.0 34.3



Abundance Ion 154.00 (153.70 to 154.70): E
500000 Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





#49

Acenaphthylene

Concen: 31.835 ng

RT: 9.79 min Scan# 1309

Delta R.T. 0.00 min

Lab File: BF118622.D

Acq: 21 Jan 2020 7:07

Instrument :

BNA_F

ClientSampleId :

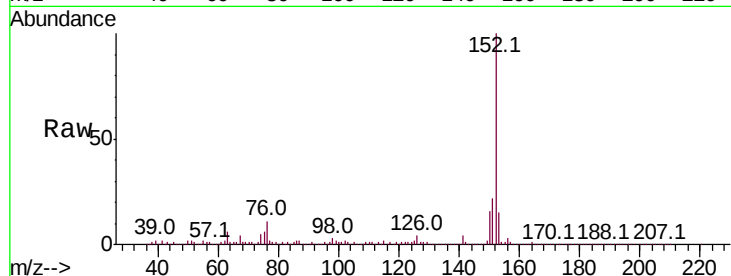
Tot Ion:152 Resp: 2142124

Ion Ratio Lower Upper

152 100

151 21.8 18.6 27.8

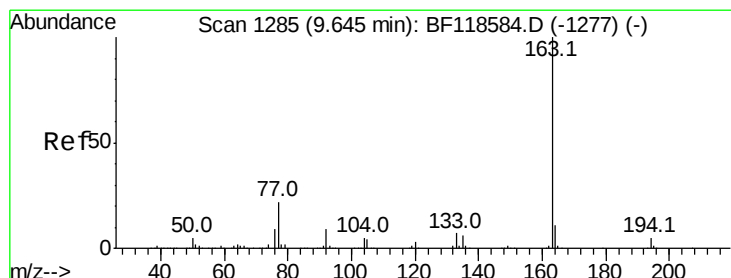
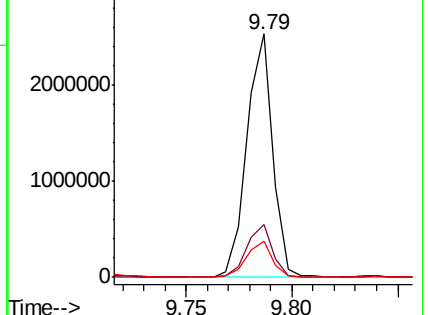
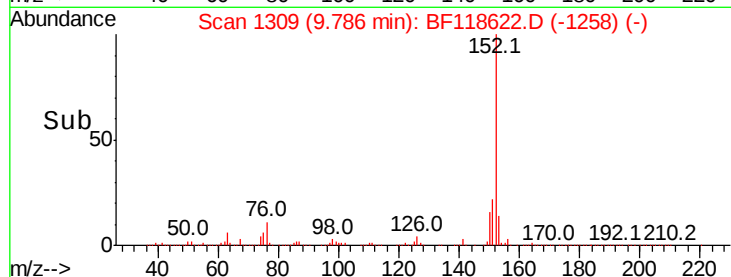
153 14.7 12.2 18.4



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: 6.220 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF118622.D

Acq: 21 Jan 2020 7:07

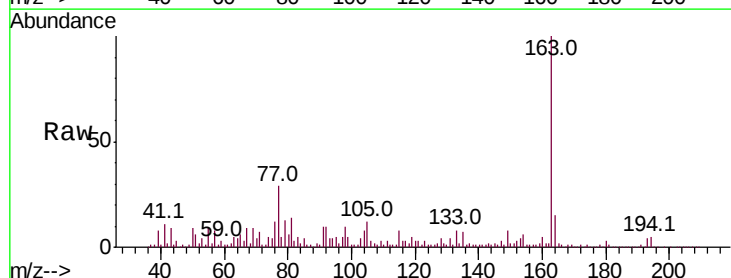
Tgt Ion:163 Resp: 333686

Ion Ratio Lower Upper

163 100

194 4.8 3.9 5.9

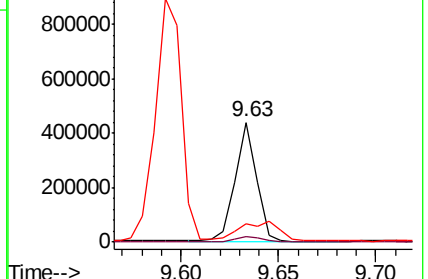
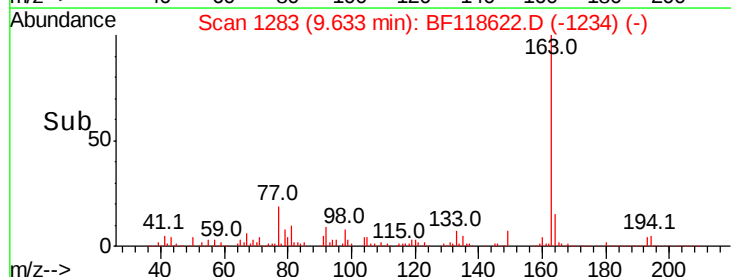
164 15.4 9.1 13.7#

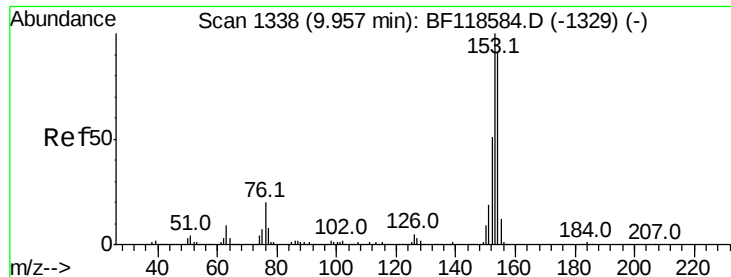


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 9.182 ng

RT: 9.96 min Scan# 1338

Delta R.T. 0.00 min

Lab File: BF118622.D

Acq: 21 Jan 2020 7:07

Instrument :

BNA_F

ClientSampleId :

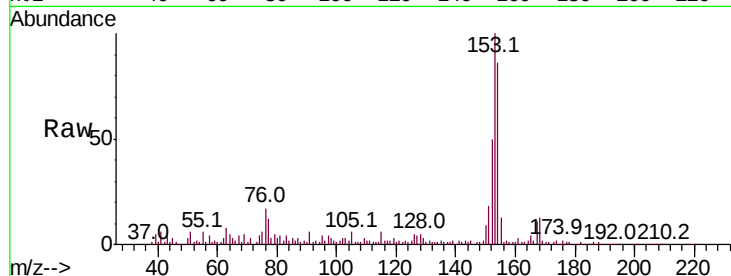
Tot Ion:154 Resp: 413143

Ion Ratio Lower Upper

154 100

153 115.9 87.6 131.4

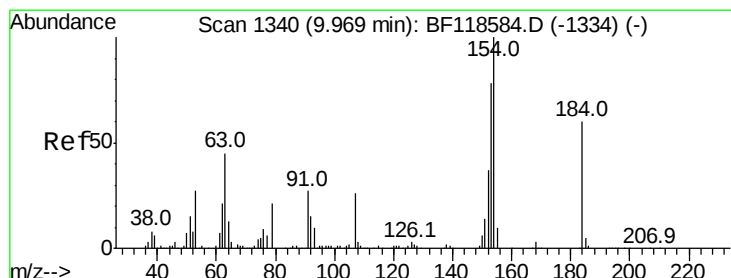
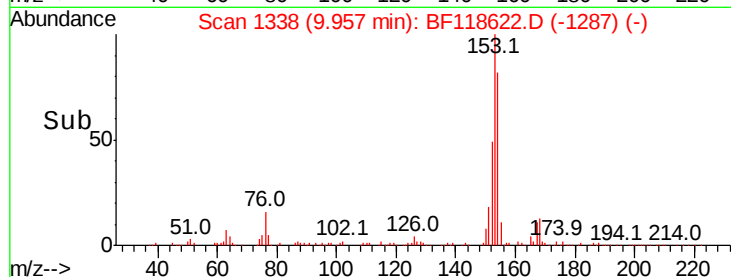
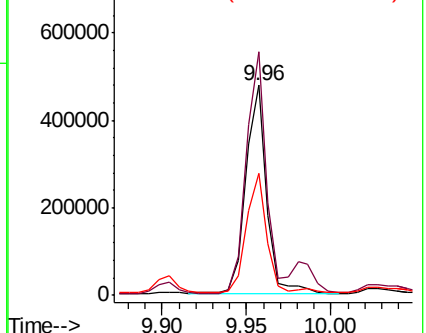
152 58.1 44.4 66.6



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

2,4-Dinitrophenol

Concen: 8.634 ng

RT: 9.97 min Scan# 1341

Delta R.T. 0.01 min

Lab File: BF118622.D

Acq: 21 Jan 2020 7:07

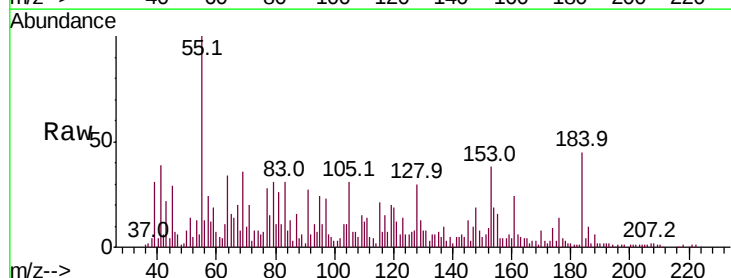
Tgt Ion:184 Resp: 41407

Ion Ratio Lower Upper

184 100

63 23.8 60.6 90.8#

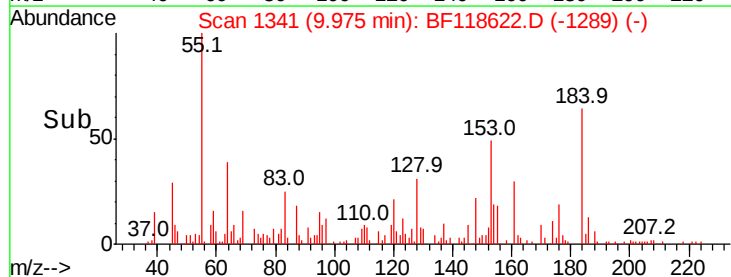
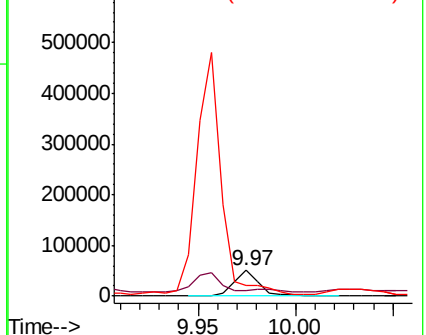
154 41.6 137.3 205.9#

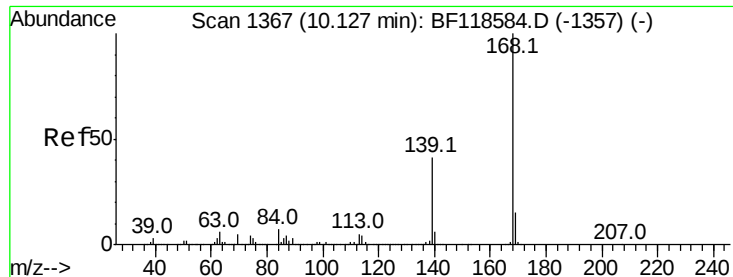


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

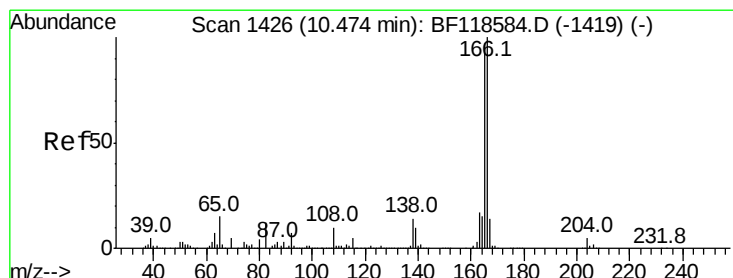
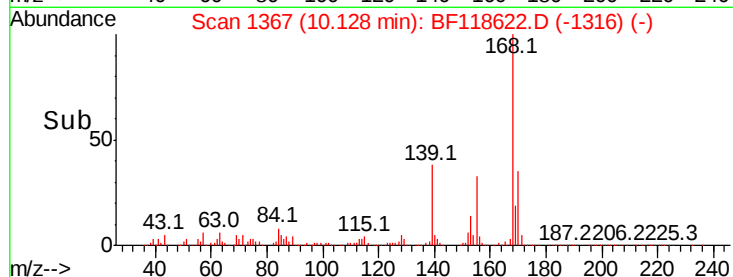
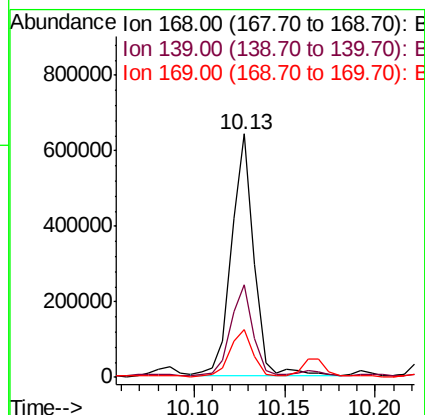
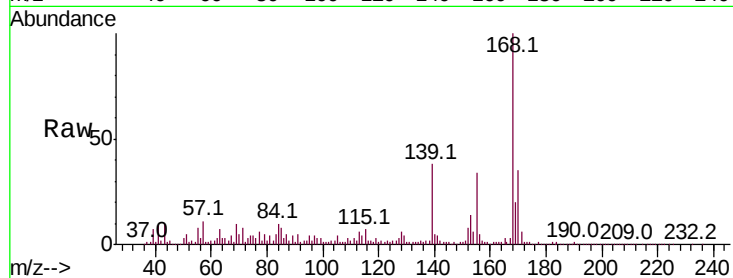




#55
Dibenzenofuran
Concen: 8.861 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.00 min
Lab File: BF118622.D
Acq: 21 Jan 2020 7:07

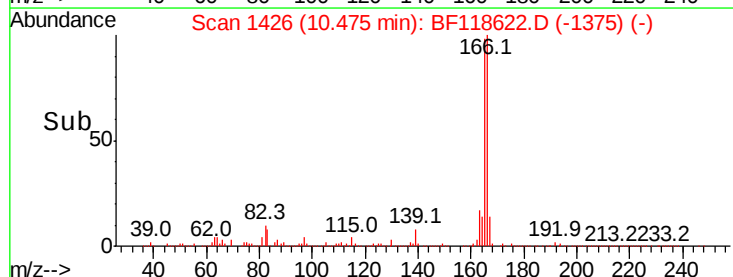
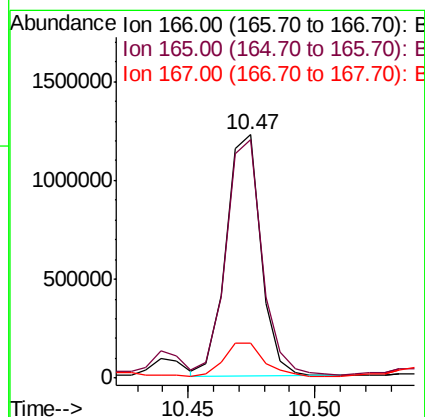
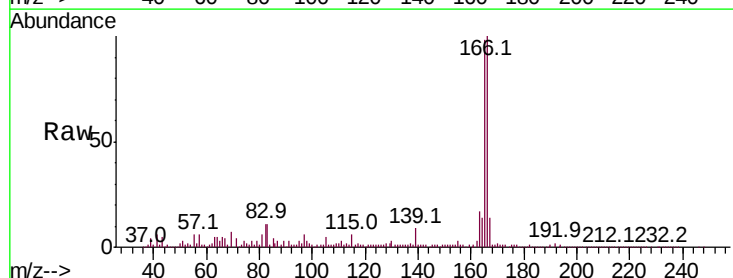
Instrument :
BNA_F
ClientSampleId :

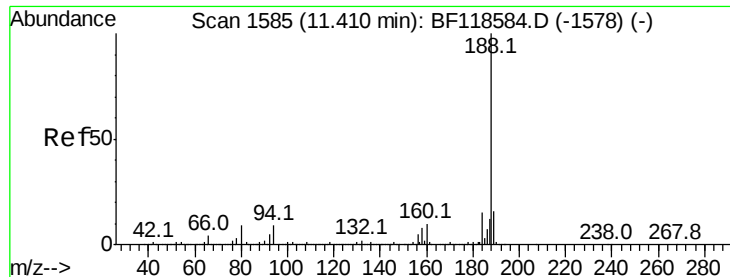
Tot Ion:168 Resp: 552531
Ion Ratio Lower Upper
168 100
139 38.1 32.7 49.1
169 19.7 12.2 18.2#



#58
Fluorene
Concen: 23.820 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.00 min
Lab File: BF118622.D
Acq: 21 Jan 2020 7:07

Tgt Ion:166 Resp: 1165994
Ion Ratio Lower Upper
166 100
165 98.2 77.3 115.9
167 14.3 11.5 17.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.01 min

Lab File: BF118622.D

Acq: 21 Jan 2020 7:07

Instrument :

BNA_F

ClientSampleId :

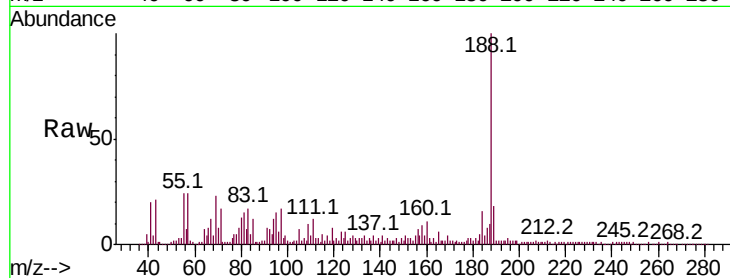
Tot Ion:188 Resp: 1141534

Ion Ratio Lower Upper

188 100

94 12.2 7.1 10.7#

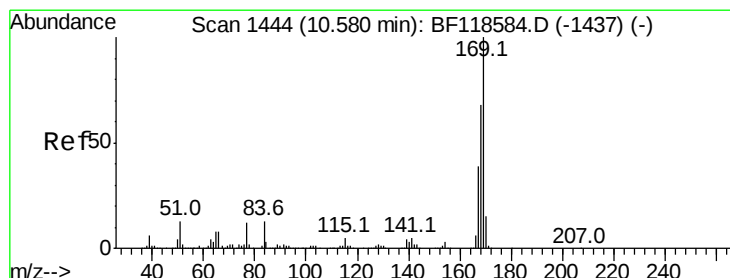
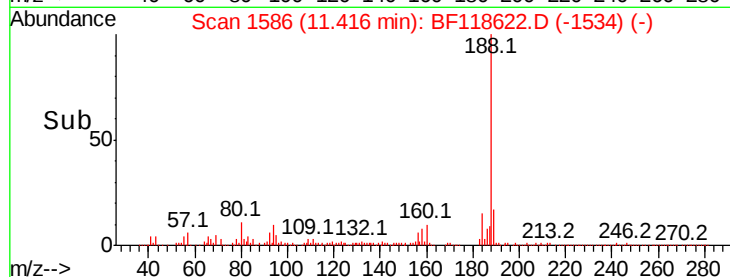
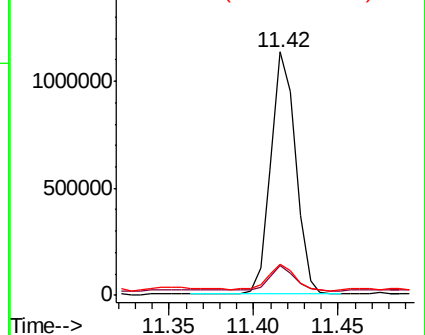
80 12.8 7.5 11.3#



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: 2.800 ng

RT: 10.59 min Scan# 1445

Delta R.T. 0.01 min

Lab File: BF118622.D

Acq: 21 Jan 2020 7:07

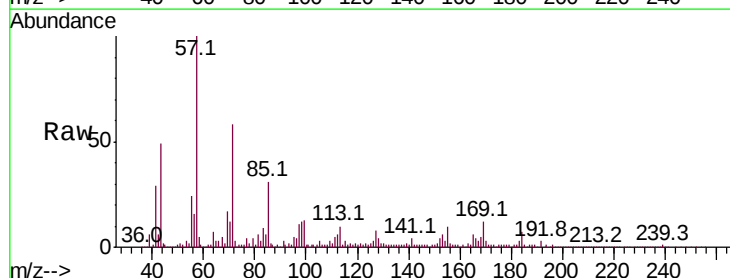
Tgt Ion:169 Resp: 96404

Ion Ratio Lower Upper

169 100

168 39.0 54.6 82.0#

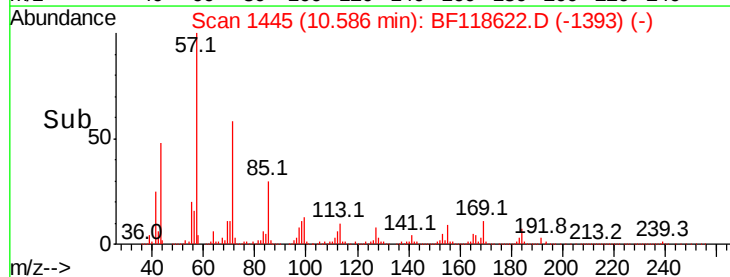
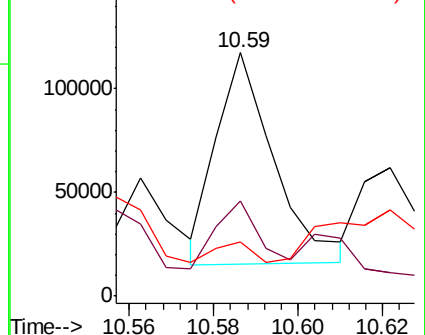
167 22.4 30.9 46.3#

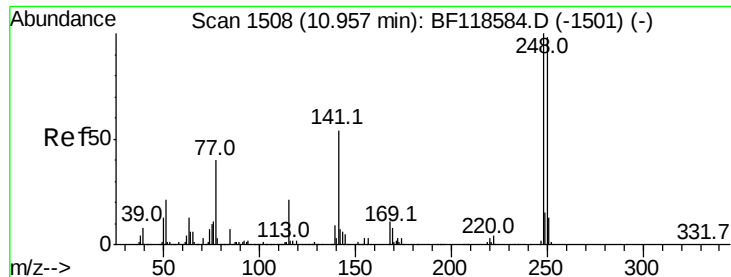


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

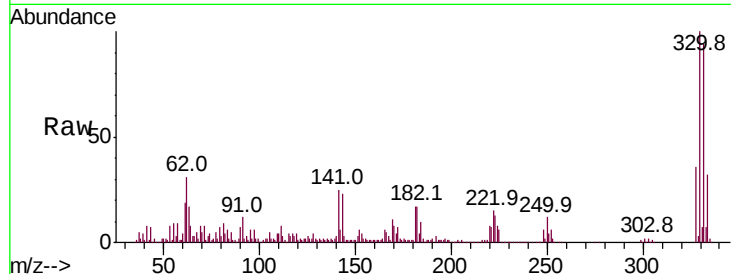




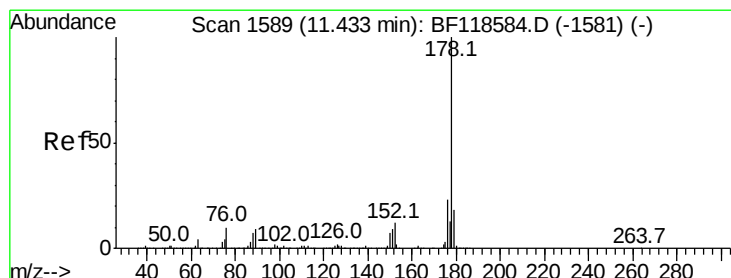
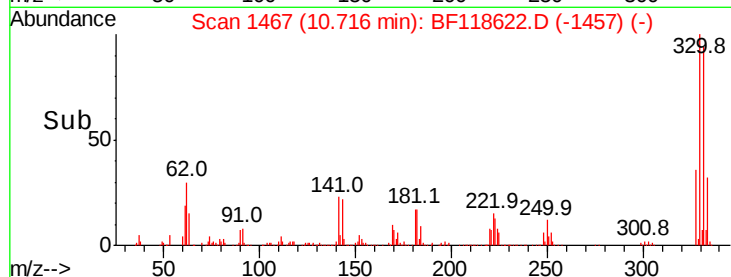
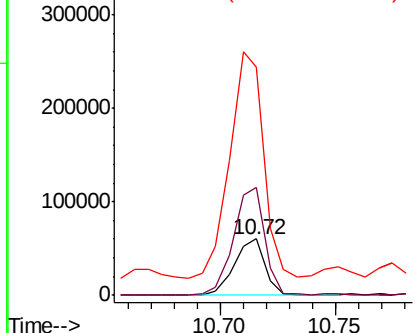
#67
4-Bromophenyl-phenylether
Concen: 3.838 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.24 min
Lab File: BF118622.D
Acq: 21 Jan 2020 7:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 54131
Ion Ratio Lower Upper
248 100
250 192.5 78.7 118.1#
141 405.4 43.2 64.8#

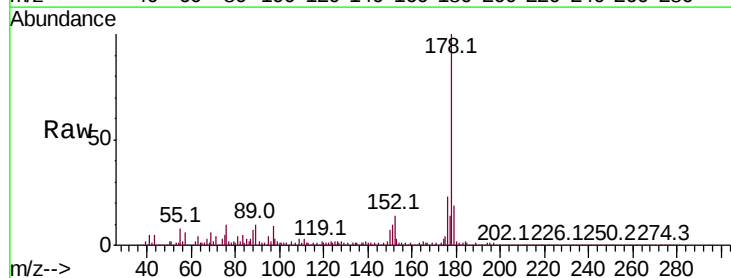


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

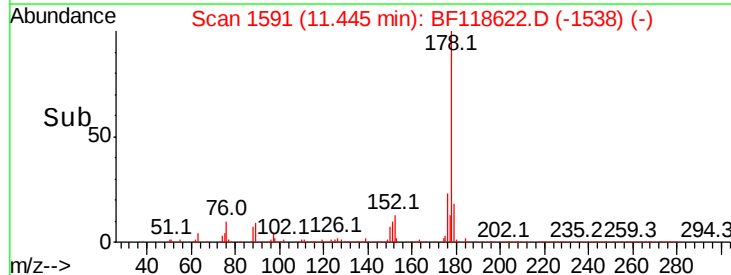
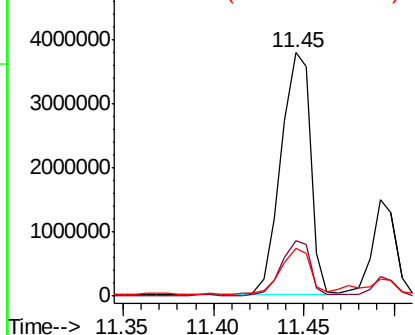


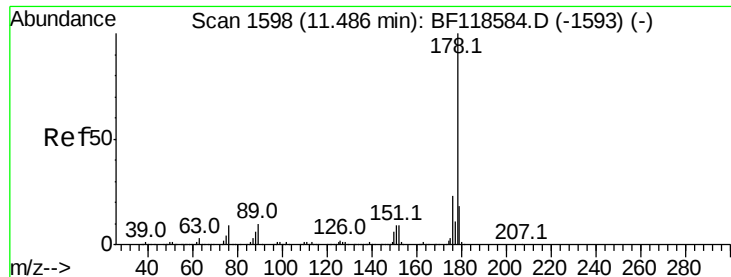
#71
Phenanthrene
Concen: 79.067 ng
RT: 11.45 min Scan# 1591
Delta R.T. 0.01 min
Lab File: BF118622.D
Acq: 21 Jan 2020 7:07

Tgt Ion:178 Resp: 4354396
Ion Ratio Lower Upper
178 100
176 23.0 18.6 27.8
179 19.5 14.7 22.1



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: 23.535 ng

RT: 11.49 min Scan# 1599

Delta R.T. 0.01 min

Lab File: BF118622.D

Acq: 21 Jan 2020 7:07

Instrument :

BNA_F

ClientSampleId :

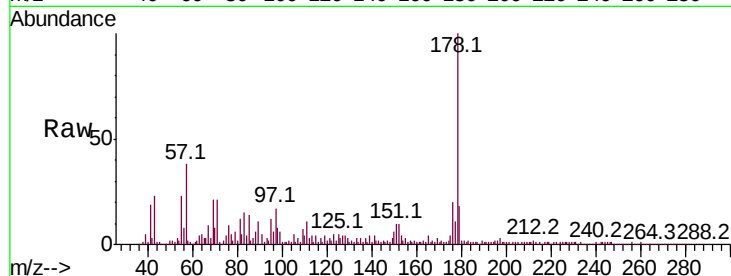
Tot Ion:178 Resp: 1282493

Ion Ratio Lower Upper

178 100

176 20.0 18.0 27.0

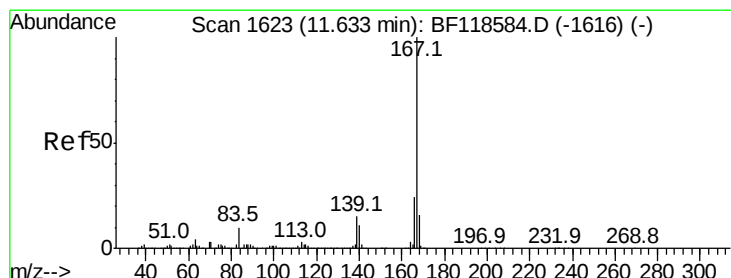
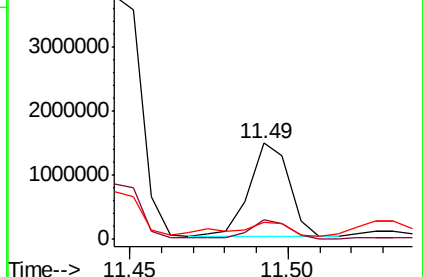
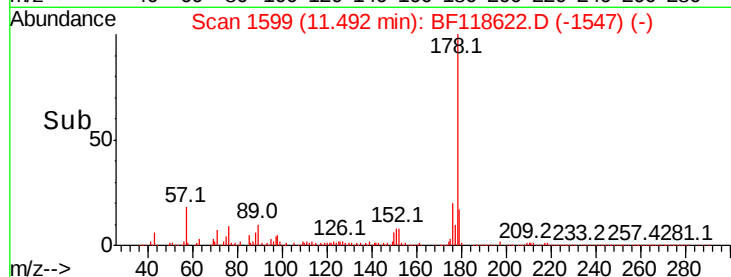
179 18.0 14.7 22.1



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: 5.505 ng

RT: 11.64 min Scan# 1624

Delta R.T. 0.01 min

Lab File: BF118622.D

Acq: 21 Jan 2020 7:07

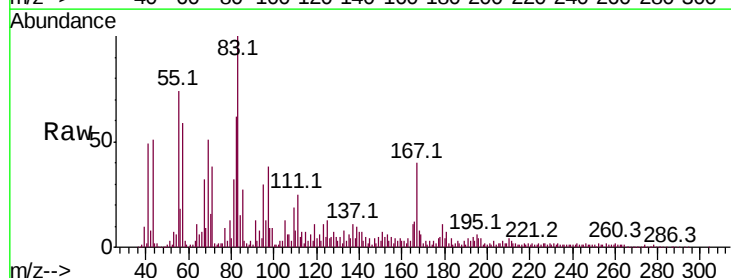
Tgt Ion:167 Resp: 275142

Ion Ratio Lower Upper

167 100

166 29.2 19.4 29.2#

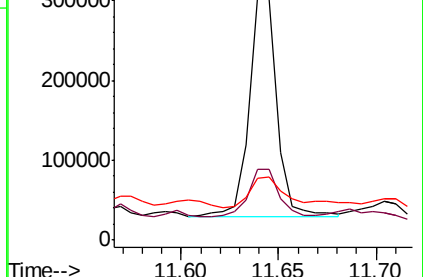
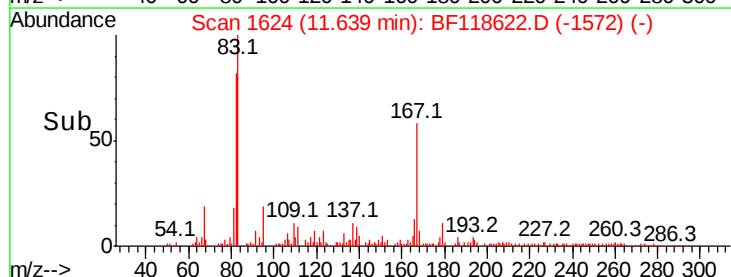
139 25.6 11.7 17.5#

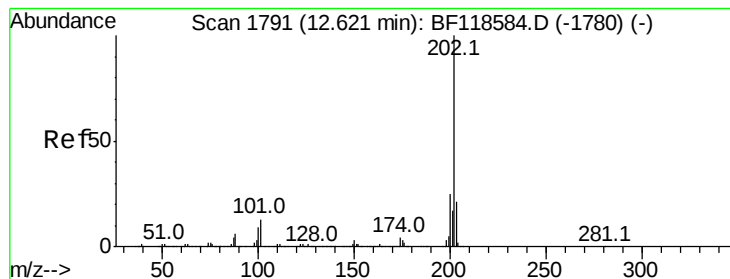


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 74.341 ng

RT: 12.67 min Scan# 1799

Delta R.T. 0.05 min

Lab File: BF118622.D

Acq: 21 Jan 2020 7:07

Instrument :

BNA_F

ClientSampleId :

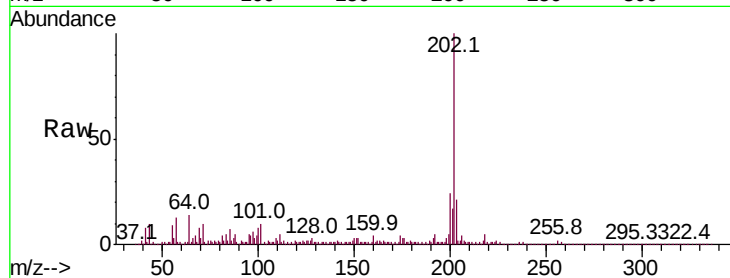
Tot Ion:202 Resp: 4318167

Ion Ratio Lower Upper

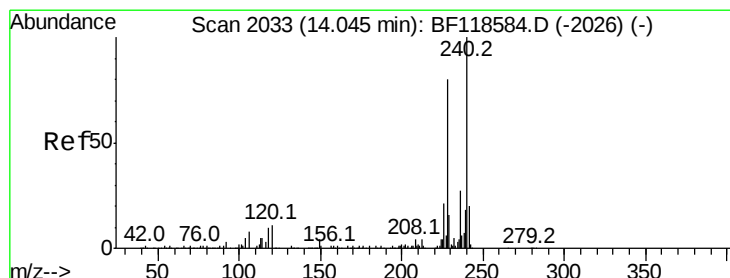
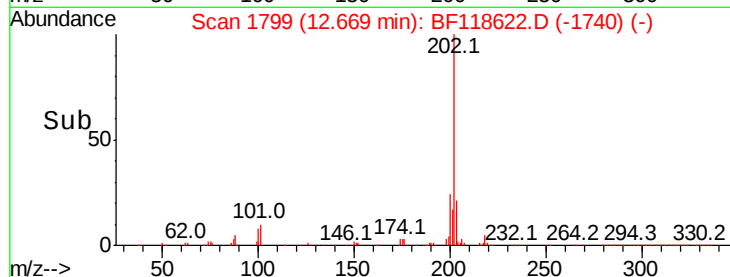
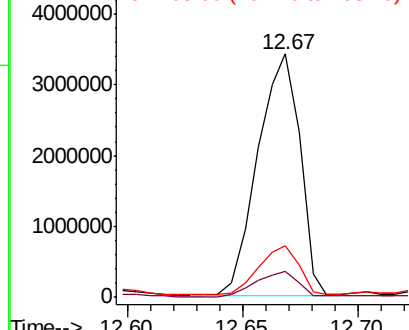
202 100

101 10.5 0.0 32.5

203 21.4 0.8 40.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2037

Delta R.T. 0.02 min

Lab File: BF118622.D

Acq: 21 Jan 2020 7:07

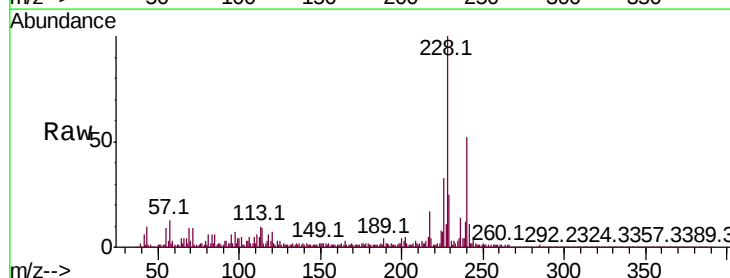
Tgt Ion:240 Resp: 910795

Ion Ratio Lower Upper

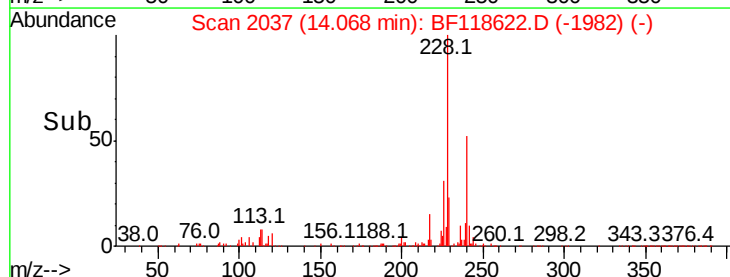
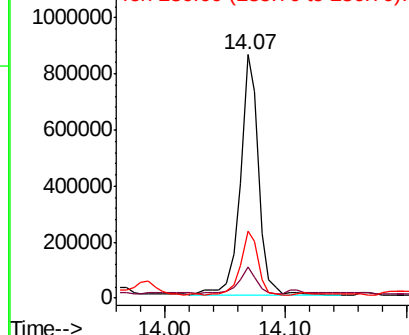
240 100

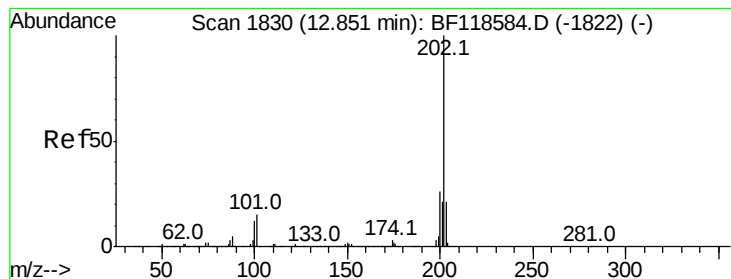
120 12.9 8.9 13.3

236 27.6 21.5 32.3



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 79.354 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.04 min

Lab File: BF118622.D

Acq: 21 Jan 2020 7:07

Instrument :

BNA_F

ClientSampleId :

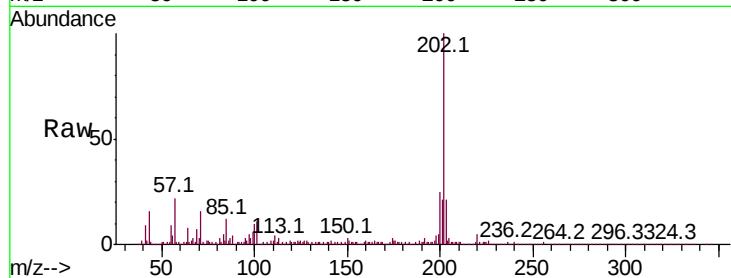
Tot Ion:202 Resp: 4906871

Ion Ratio Lower Upper

202 100

200 25.0 20.6 31.0

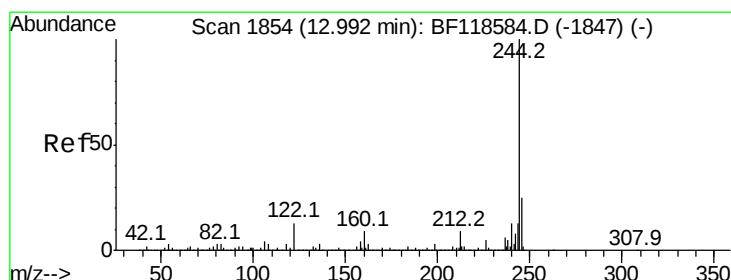
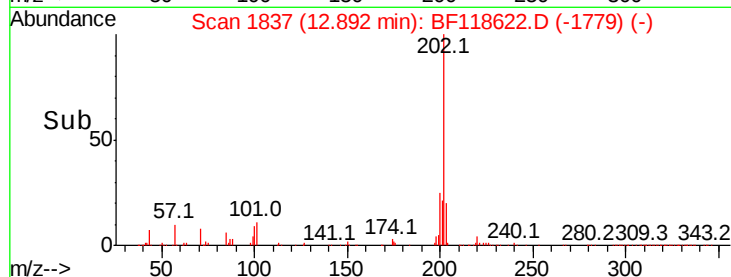
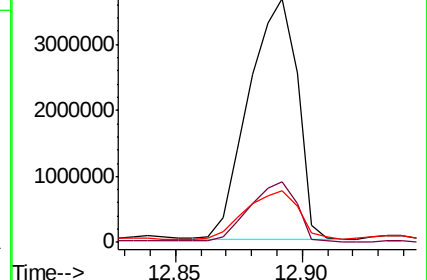
203 21.5 16.8 25.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 64.104 ng

RT: 13.02 min Scan# 1858

Delta R.T. 0.02 min

Lab File: BF118622.D

Acq: 21 Jan 2020 7:07

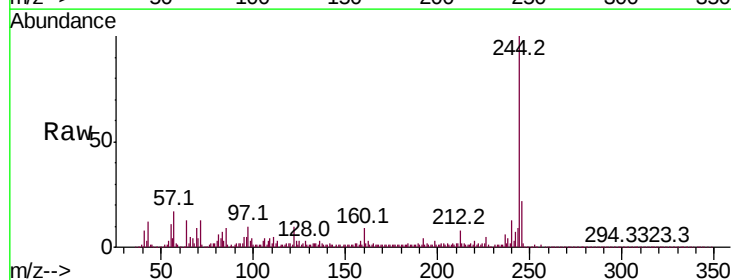
Tgt Ion:244 Resp: 2676887

Ion Ratio Lower Upper

244 100

212 7.5 7.0 10.4

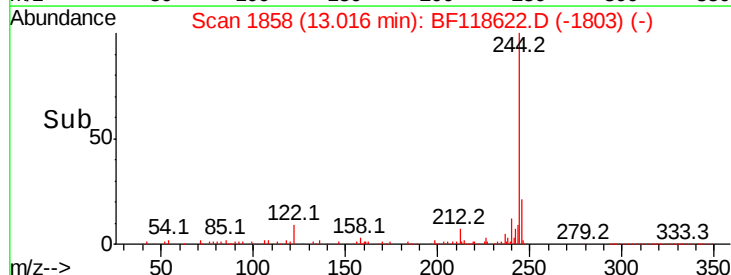
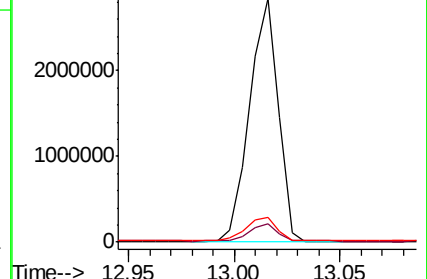
122 9.9 10.7 16.1#

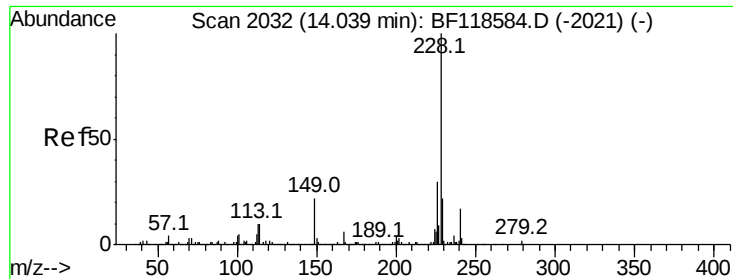


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

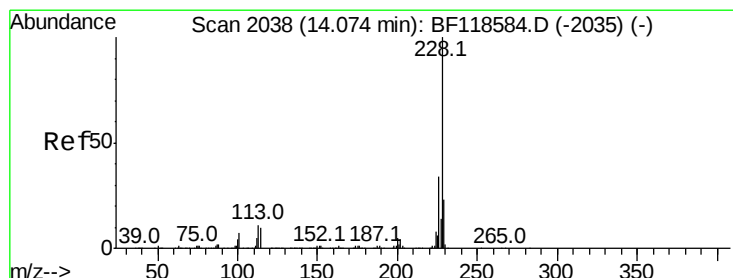
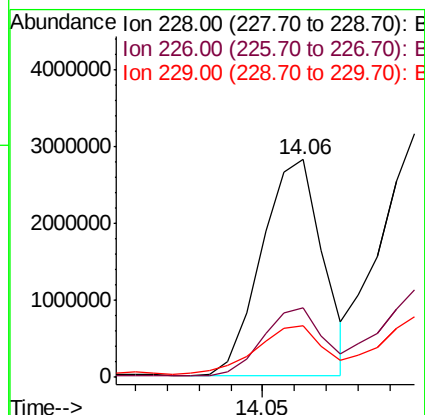
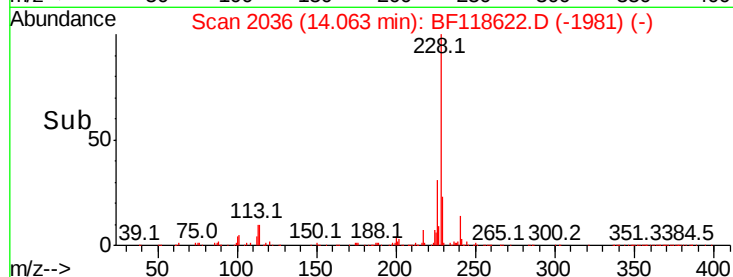
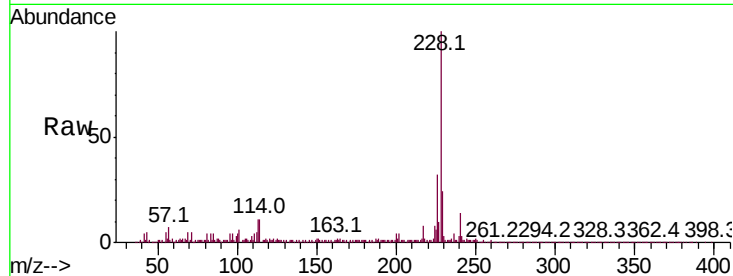




#81
Benzo(a)anthracene
Concen: 68.825 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.02 min
Lab File: BF118622.D
Acq: 21 Jan 2020 7:07

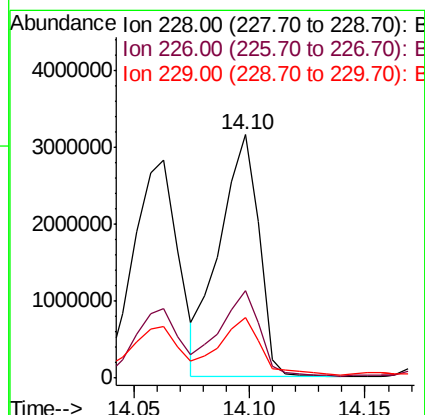
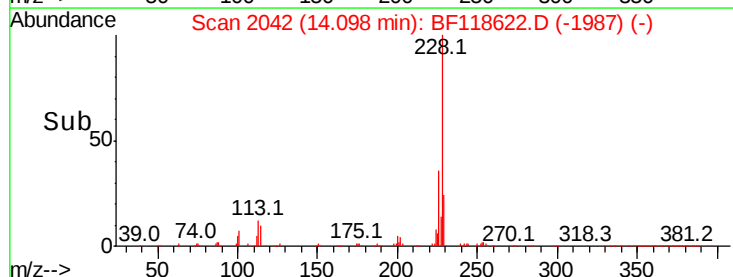
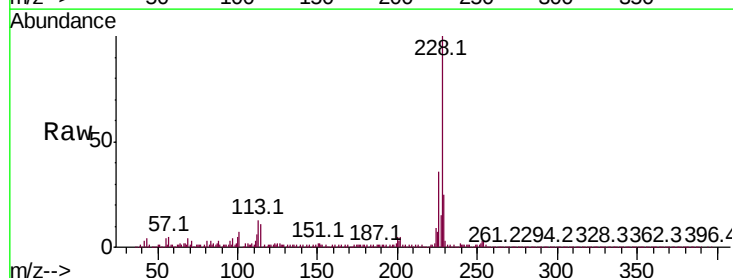
Instrument :
BNA_F
ClientSampleId :

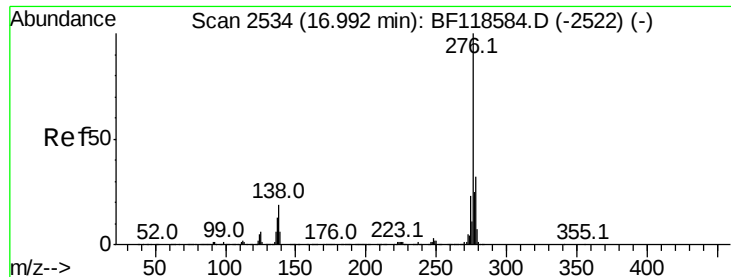
Tot Ion:228 Resp: 3770834
Ion Ratio Lower Upper
228 100
226 32.0 24.1 36.1
229 23.9 17.6 26.4



#83
Chrysene
Concen: 70.802 ng
RT: 14.10 min Scan# 2042
Delta R.T. 0.02 min
Lab File: BF118622.D
Acq: 21 Jan 2020 7:07

Tgt Ion:228 Resp: 3717832
Ion Ratio Lower Upper
228 100
226 36.2 27.4 41.0
229 25.0 18.3 27.5





#86

Indeno(1,2,3-cd)pyrene

Concen: 51.424 ng

RT: 17.04 min Scan# 2542

Delta R.T. 0.05 min

Lab File: BF118622.D

Acq: 21 Jan 2020 7:07

Instrument :

BNA_F

ClientSampled :

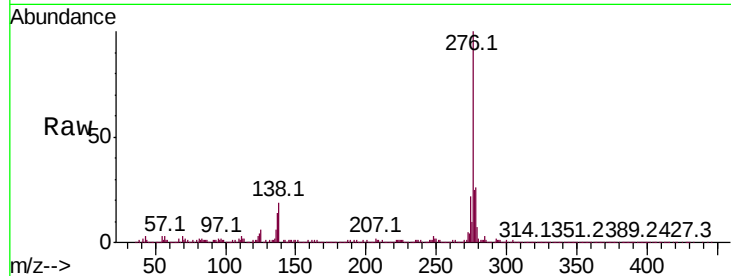
Tot Ion:276 Resp: 2346272

Ion Ratio Lower Upper

276 100

138 18.6 17.2 25.8

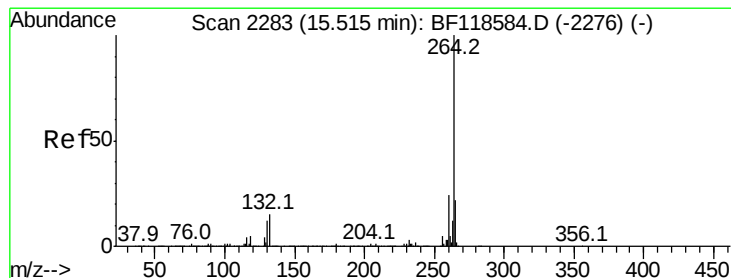
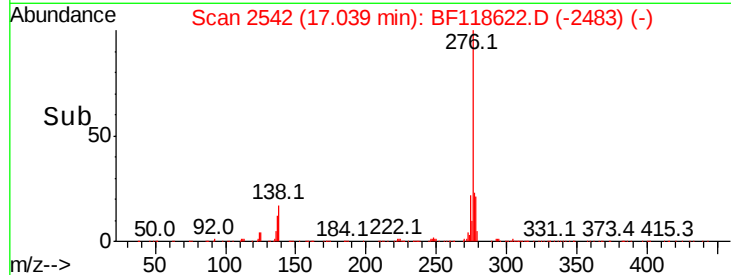
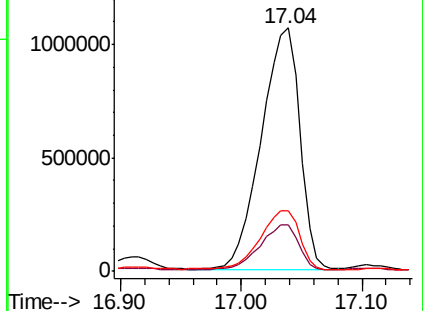
277 25.7 20.5 30.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. 0.03 min

Lab File: BF118622.D

Acq: 21 Jan 2020 7:07

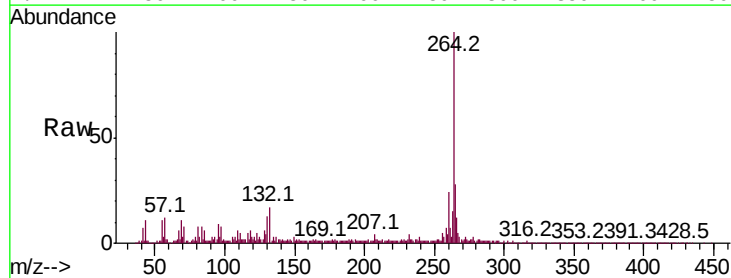
Tgt Ion:264 Resp: 863182

Ion Ratio Lower Upper

264 100

260 23.9 19.6 29.4

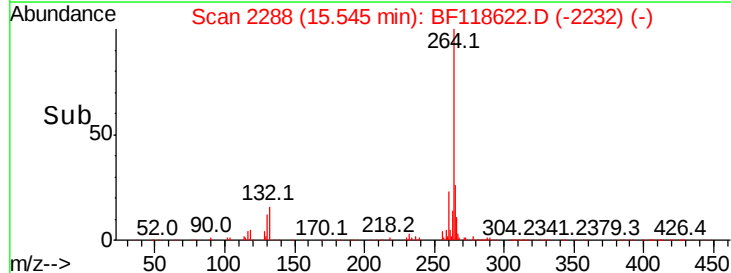
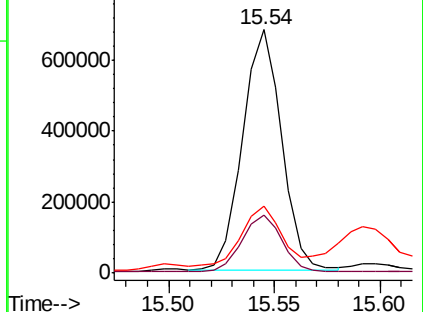
265 27.5 17.7 26.5#

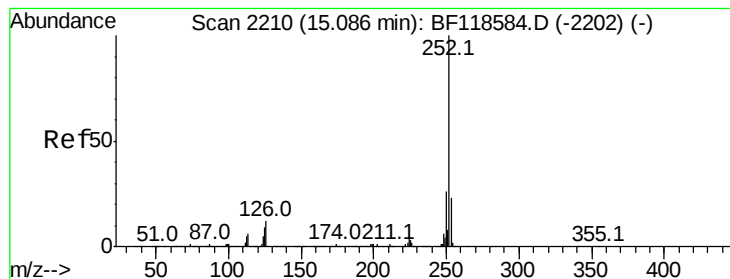


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 114.083 ng

RT: 15.12 min Scan# 2216

Delta R.T. 0.04 min

Lab File: BF118622.D

Acq: 21 Jan 2020 7:07

Instrument :

BNA_F

ClientSampleId :

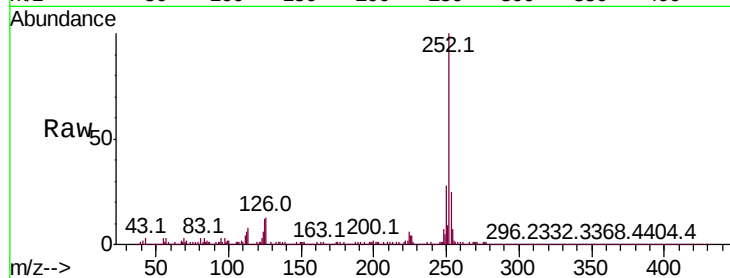
Tot Ion:252 Resp: 6189842

Ion Ratio Lower Upper

252 100

253 24.9 18.7 28.1

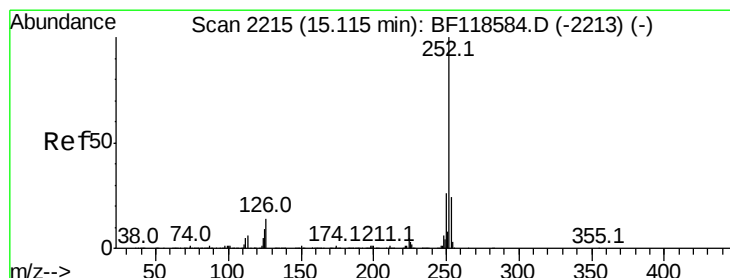
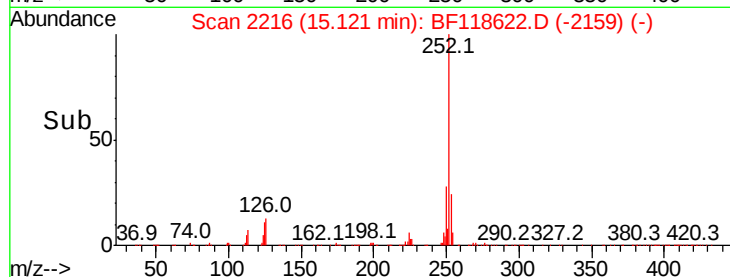
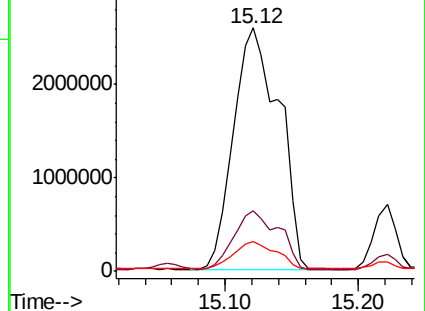
125 12.5 7.3 10.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 123.139 ng

RT: 15.12 min Scan# 2216

Delta R.T. 0.01 min

Lab File: BF118622.D

Acq: 21 Jan 2020 7:07

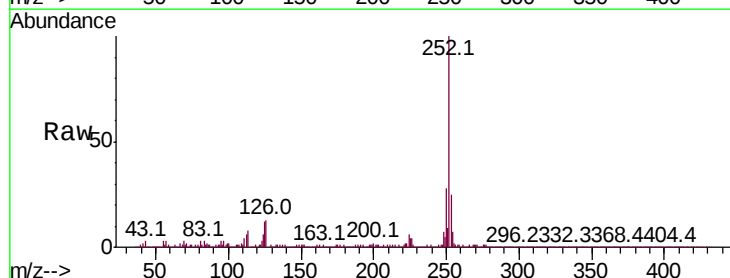
Tgt Ion:252 Resp: 6189842

Ion Ratio Lower Upper

252 100

253 24.9 19.0 28.4

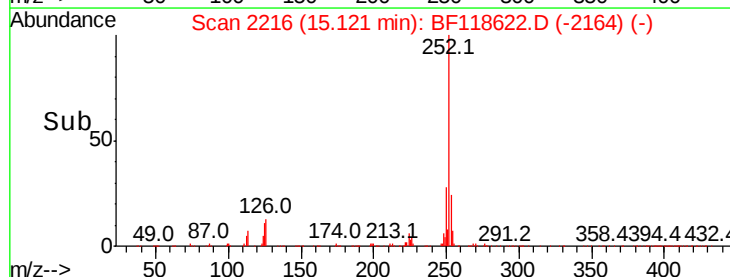
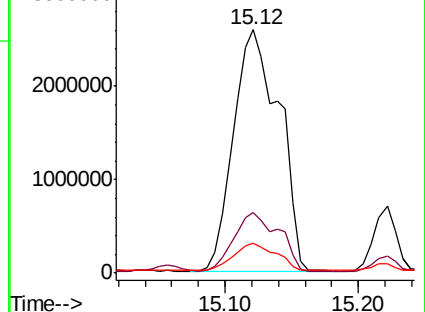
125 12.5 7.6 11.4#

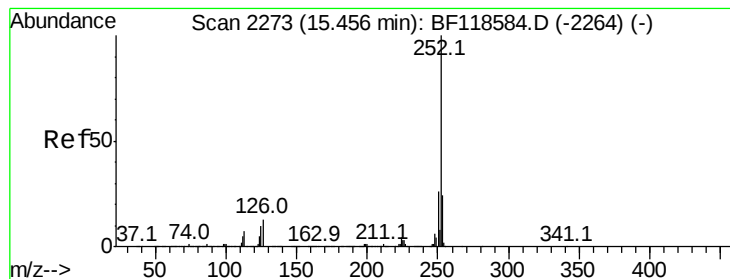


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 69.896 ng

RT: 15.49 min Scan# 2279

Delta R.T. 0.04 min

Lab File: BF118622.D

Acq: 21 Jan 2020 7:07

Instrument :

BNA_F

ClientSampleId :

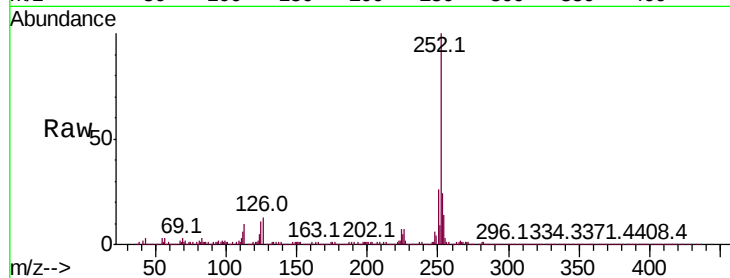
Tot Ion:252 Resp: 3271391

Ion Ratio Lower Upper

252 100

253 24.2 18.8 28.2

125 10.5 7.8 11.6

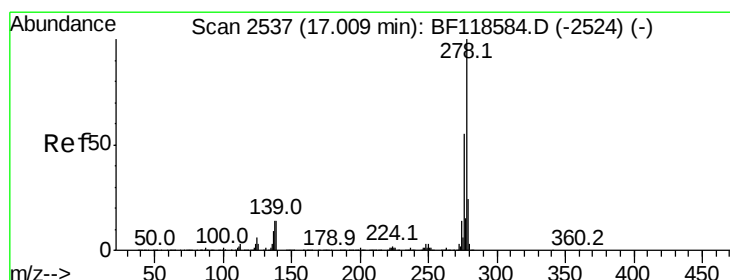
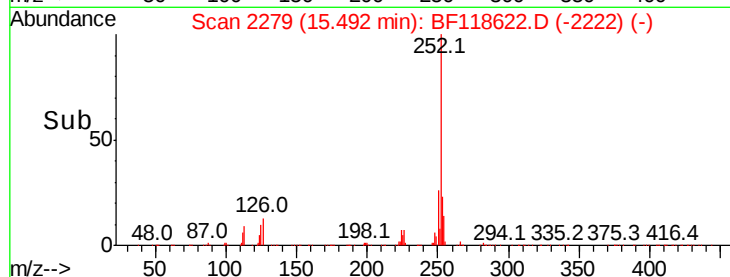
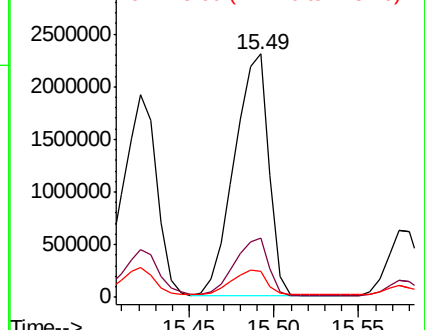


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 9.799 ng

RT: 17.20 min Scan# 2570

Delta R.T. 0.19 min

Lab File: BF118622.D

Acq: 21 Jan 2020 7:07

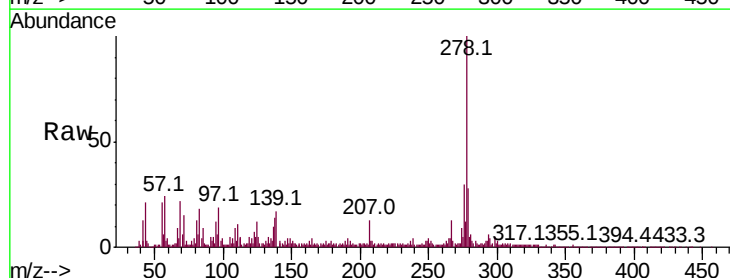
Tgt Ion:278 Resp: 405686

Ion Ratio Lower Upper

278 100

139 16.7 11.4 17.0

279 28.2 19.0 28.6

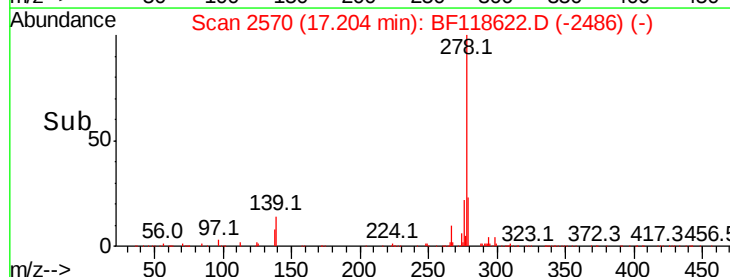
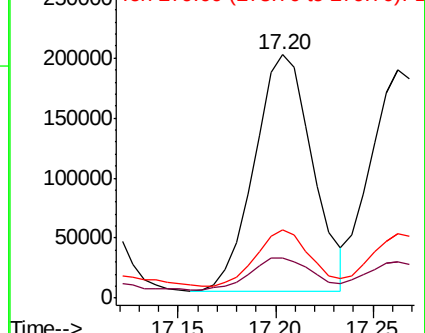


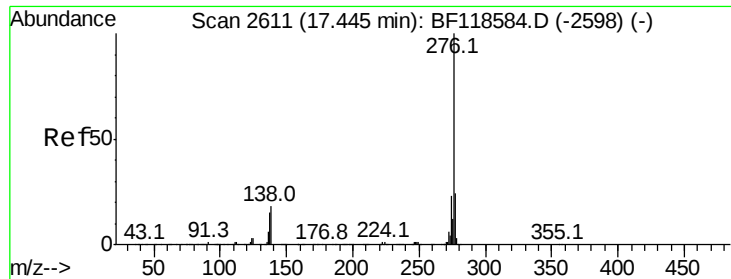
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



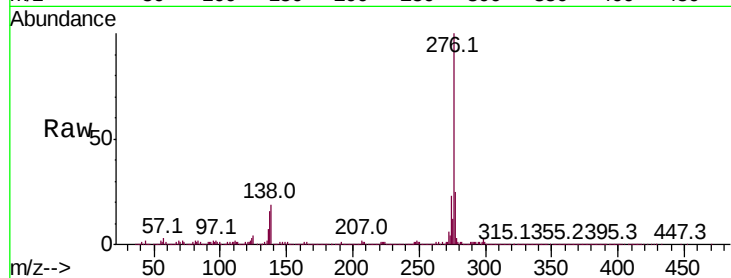


#92
 Benzo(a,h,i)perylene
 Concen: 64.534 ng
 RT: 17.49 min Scan# 2619
 Delta R.T. 0.05 min
 Lab File: BF118622.D
 Acq: 21 Jan 2020 7:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 2594124

Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.9	28.3
138	19.4	14.4	21.6



Abundance Ion 276.00 (275.70 to 276.70): E
 1500000 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

