

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051520\
 Data File : BF120333.D
 Acq On : 15 May 2020 20:39
 Operator : MA/SJ
 Sample : L2655-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 16 00:16:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 12:31:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	216703	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	701078	20.00	ng	0.00
39) Acenaphthene-d10	9.66	164	341500	20.00	ng	0.01
64) Phenanthrene-d10	11.15	188	552552	20.00	ng	0.02
76) Chrysene-d12	13.79	240	385303	20.00	ng	0.01
87) Perylene-d12	15.19	264	467891	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	136379	12.25	ng	0.00
7) Phenol-d6	6.27	99	234379	16.64	ng	0.00
23) Nitrobenzene-d5	7.18	82	313642	30.63	ng	-0.01
42) 2,4,6-Tribromophenol	10.46	330	24898	8.94	ng	0.01
45) 2-Fluorobiphenyl	8.99	172	438756	26.40	ng	0.00
79) Terphenyl-d14	12.73	244	319968	18.35	ng	0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	2.83	42	20118	3.689	ng	# 1
18) Hexachloroethane	7.11	117	14635	2.684	ng	# 1
19) n-Nitroso-di-n-propylamine	7.05	70	75626	8.196	ng	# 71
22) Acetophenone	7.02	105	229149	15.955	ng	# 33
24) Nitrobenzene	7.19	77	39603	3.594	ng	# 46
25) Isophorone	7.43	82	167551	7.864	ng	# 1
26) 2-Nitrophenol	7.53	139	25150	4.364	ng	# 1
27) 2,4-Dimethylphenol	7.56	122	25042	2.987	ng	# 1
29) 2,4-Dichlorophenol	7.76	162	19246	2.235	ng	# 16
31) Naphthalene	7.93	128	393804	13.309	ng	# 89
32) Benzoic acid	7.70	122	32693	5.949	ng	# 45
35) Caprolactam	8.38	113	20822	7.391	ng	# 1
37) 2-Methylnaphthalene	8.63	142	1053435	52.026	ng	# 98
38) 1-Methylnaphthalene	8.63	142	1053435	53.641	ng	# 96
43) 2,4,6-Trichlorophenol	8.90	196	14091	2.438	ng	# 19
48) 2-Nitroaniline	9.19	65	24930	3.807	ng	# 54
49) Acenaphthylene	9.53	152	96427	3.517	ng	# 1
50) Dimethylphthalate	9.38	163	71567	3.315	ng	# 22
52) Acenaphthene	9.70	154	112986	6.875	ng	# 83
53) 3-Nitroaniline	9.65	138	14902	2.594	ng	# 49
55) Dibenzofuran	9.87	168	141117	5.963	ng	# 3
56) 4-Nitrophenol	9.82	139	17224	5.579	ng	# 1
57) 2,4-Dinitrotoluene	9.87	165	51821	9.169	ng	# 64
58) Fluorene	10.22	166	274737	15.243	ng	# 87
66) n-Nitrosodiphenylamine	10.33	169	348273	22.782	ng	# 47
71) Phenanthrene	11.17	178	1394287	60.051	ng	# 97
72) Anthracene	11.17	178	1394287	56.094	ng	# 97
75) Fluoranthene	12.36	202	735497	29.555	ng	# 97
78) Pyrene	12.59	202	971342	35.362	ng	# 97
81) Benzo(a)anthracene	13.77	228	509954	25.093	ng	# 89
83) Chrysene	13.81	228	554688	25.419	ng	# 88
86) Indeno(1,2,3-cd)pyrene	16.51	276	174378	8.804	ng	# 94
88) Benzo(b)fluoranthene	14.79	252	502532	19.667	ng	# 81
89) Benzo(k)fluoranthene	14.79	252	502532	22.700	ng	# 81

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QLast Update : Fri May 15 12:31:31 2020
Response via : Initial Calibration

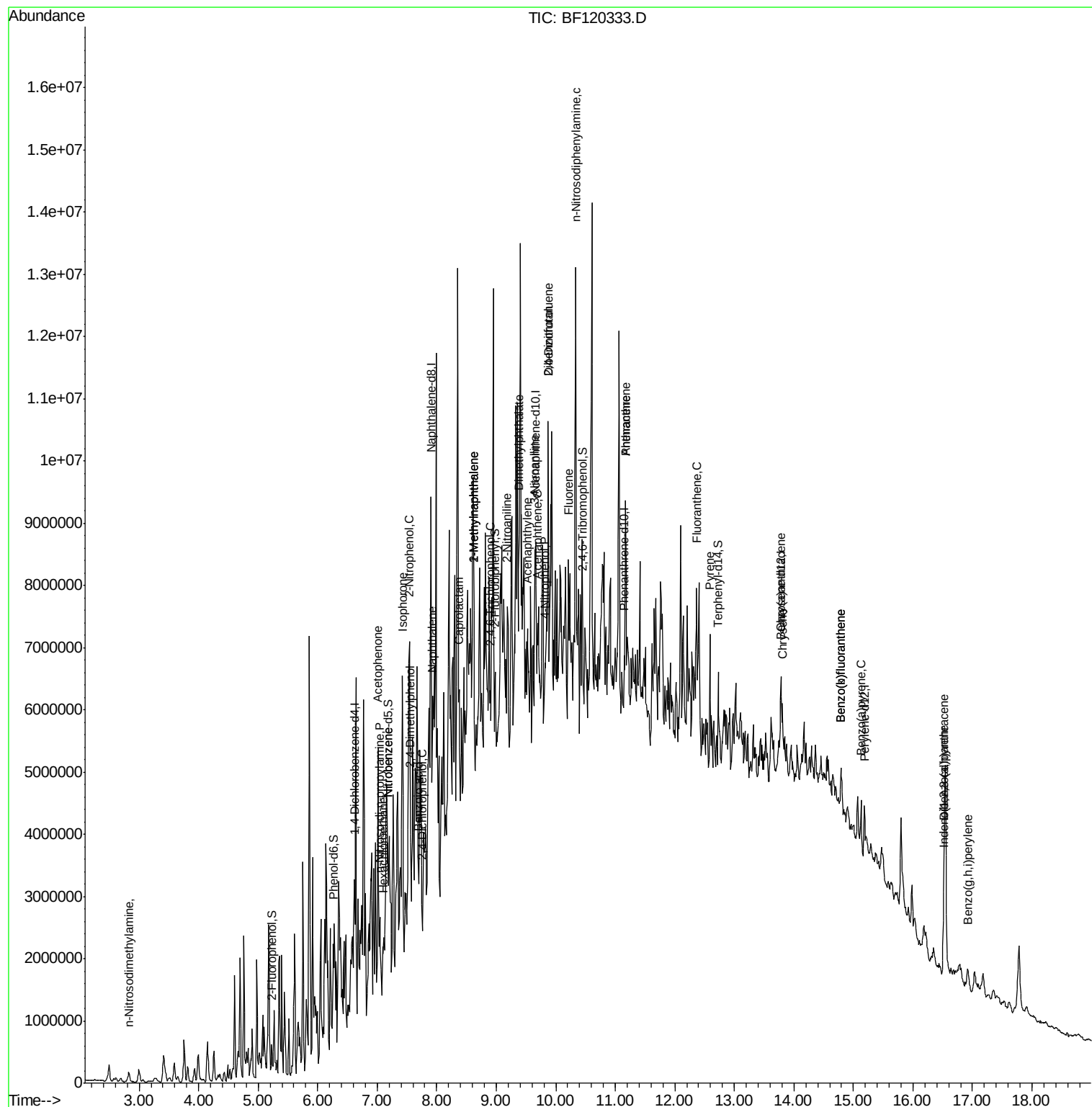
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(a)pyrene	15.13	252	384448	16.776	ng	# 86
91) Dibenzo(a,h)anthracene	16.52	278	82148	4.046	ng	# 59
92) Benzo(g,h,i)perylene	16.92	276	223382	10.912	ng	95

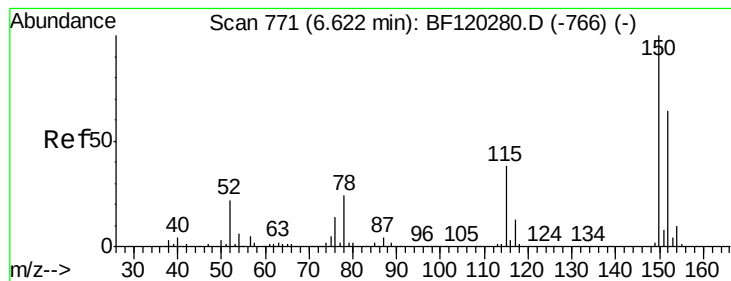
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.00 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

Instrument :

BNA_F

ClientSampled :

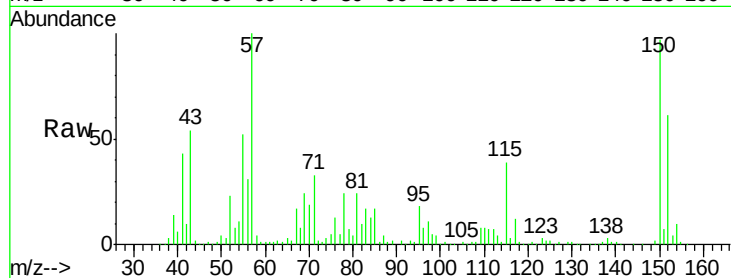
Tot Ion:152 Resp: 216703

Ion Ratio Lower Upper

152 100

150 158.5 126.2 189.2

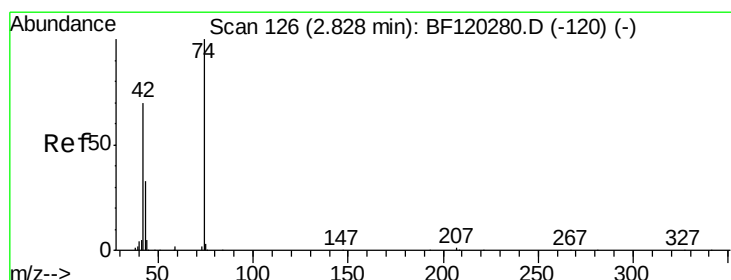
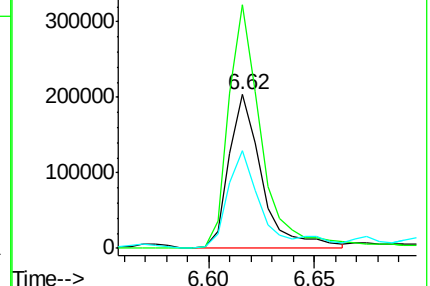
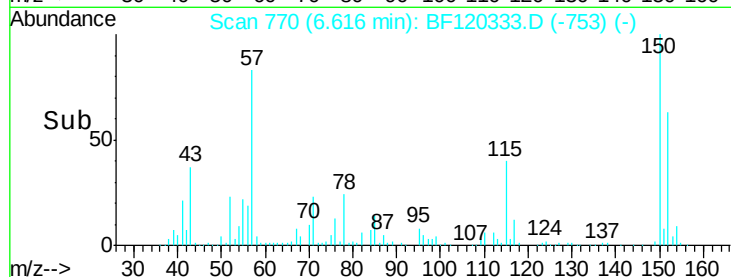
115 63.3 47.9 71.9



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



#4

n-Nitrosodimethylamine

Concen: 3.689 ng

RT: 2.83 min Scan# 127

Delta R.T. 0.01 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

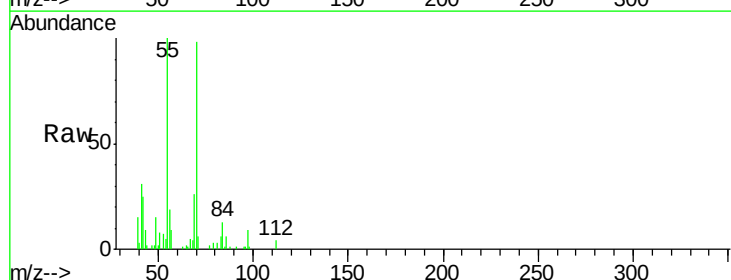
Tgt Ion: 42 Resp: 20118

Ion Ratio Lower Upper

42 100

74 0.0 114.8 172.2#

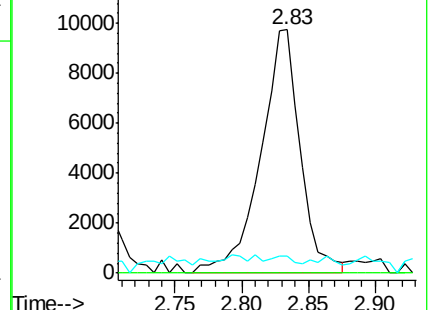
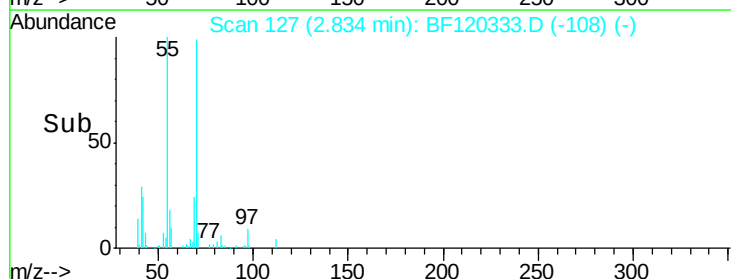
44 6.9 5.6 8.4

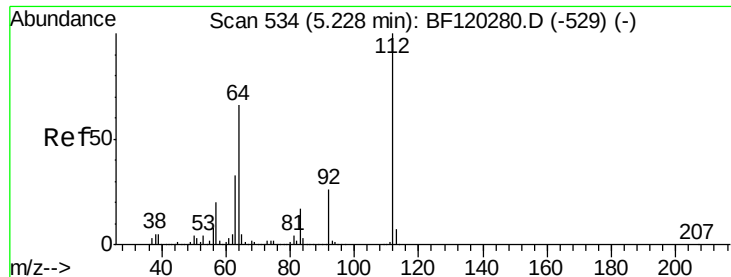


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 12.245 ng

RT: 5.23 min Scan# 534

Delta R.T. 0.01 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

Instrument :

BNA_F

ClientSampleId :

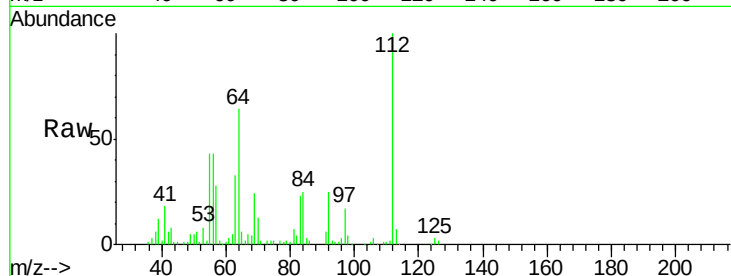
Tot Ion:112 Resp: 136379

Ion Ratio Lower Upper

112 100

64 64.2 52.7 79.1

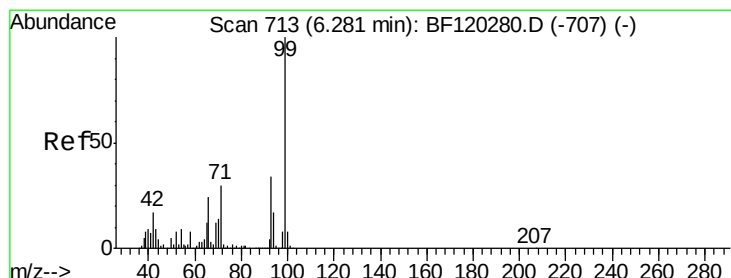
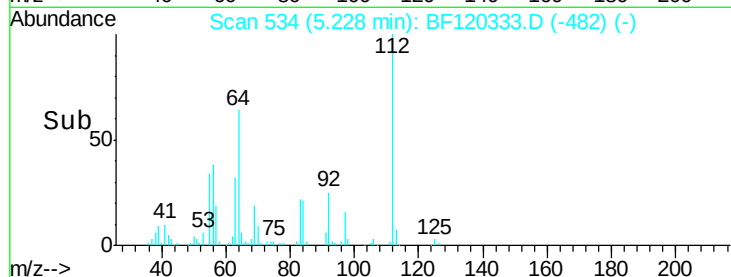
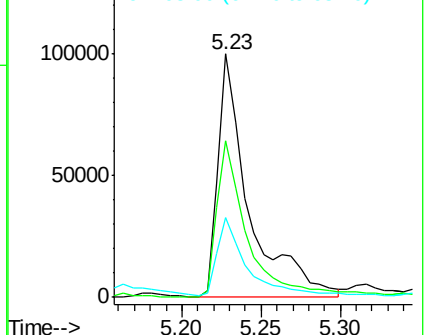
63 32.9 26.2 39.4



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 16.641 ng

RT: 6.27 min Scan# 711

Delta R.T. -0.01 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

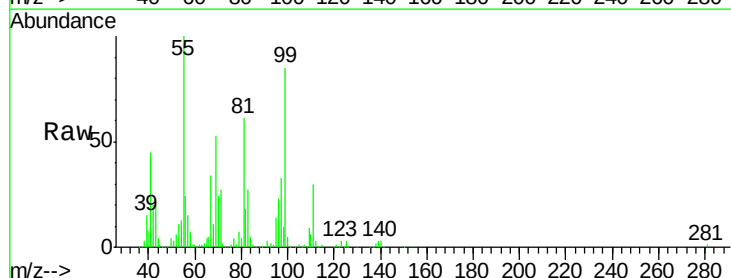
Tgt Ion: 99 Resp: 234379

Ion Ratio Lower Upper

99 100

42 23.2 13.6 20.4#

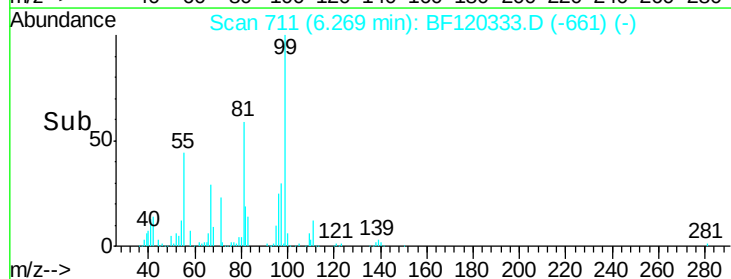
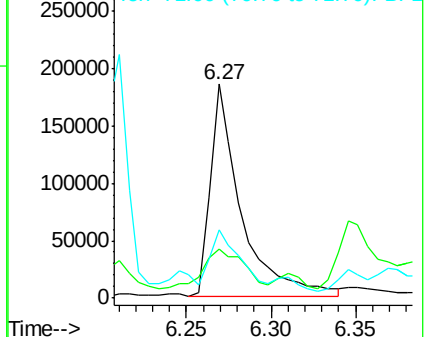
71 31.9 24.2 36.4

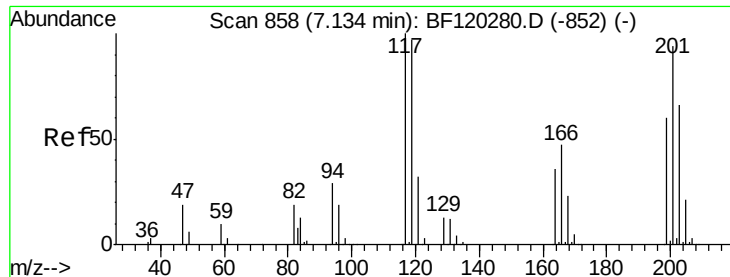


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

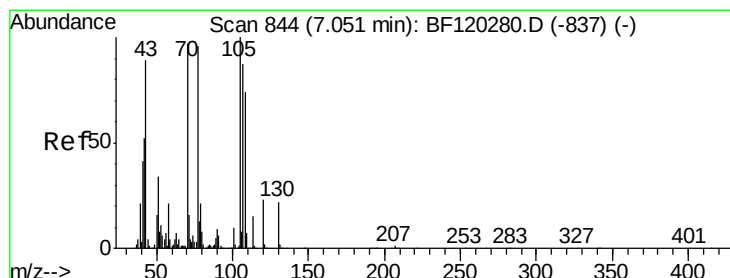
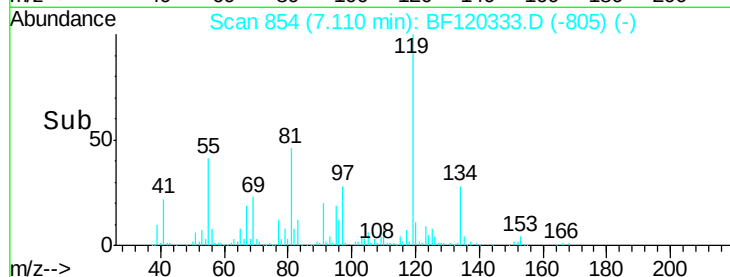
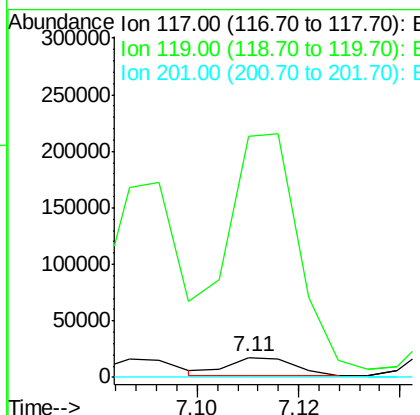
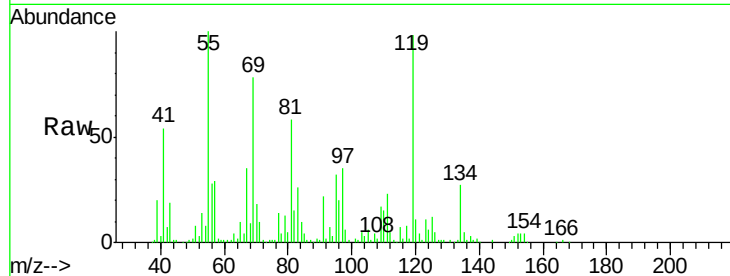




#18
Hexachloroethane
Concen: 2.684 ng
RT: 7.11 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF120333.D
Acq: 15 May 2020 20:39

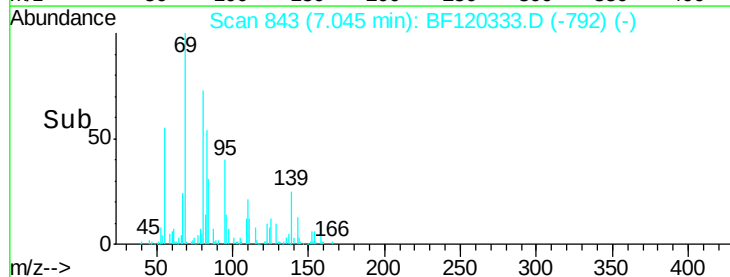
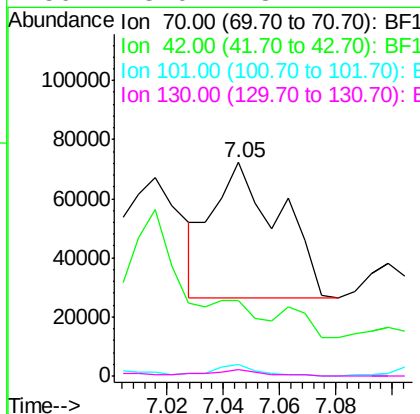
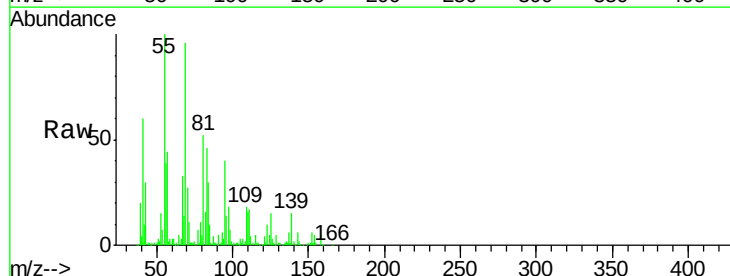
Instrument :
BNA_F
ClientSampled :

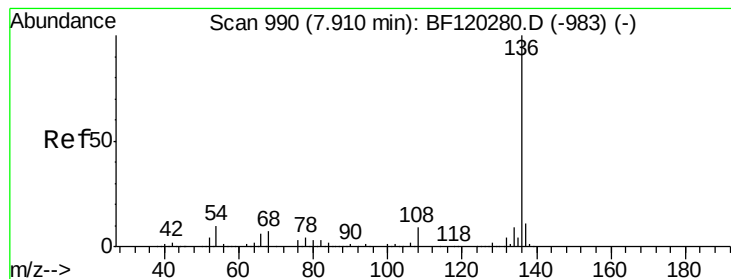
Tot Ion:117 Resp: 14635
Ion Ratio Lower Upper
117 100
119 1223.4 77.4 116.0#
201 0.0 74.9 112.3#



#19
n-Nitroso-di-n-propylamine
Concen: 8.196 ng
RT: 7.05 min Scan# 843
Delta R.T. 0.00 min
Lab File: BF120333.D
Acq: 15 May 2020 20:39

Tgt Ion: 70 Resp: 75626
Ion Ratio Lower Upper
70 100
42 35.2 43.4 65.0#
101 5.2 7.8 11.8#
130 3.0 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.90 min Scan# 989

Delta R.T. 0.00 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 701078

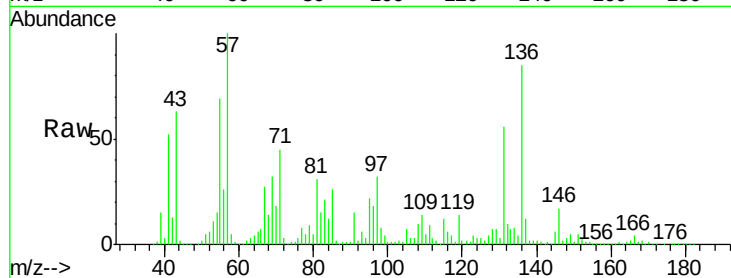
Ion Ratio Lower Upper

136 100

137 13.8 9.1 13.7#

54 17.6 7.9 11.9#

68 16.1 5.4 8.2#



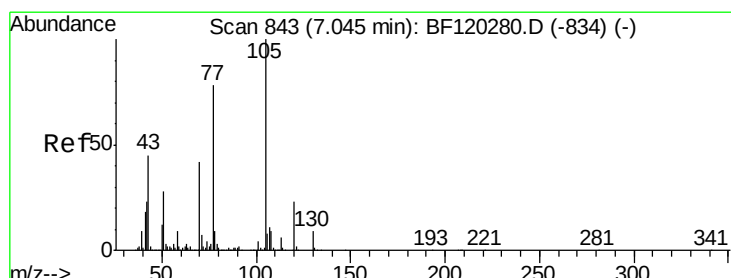
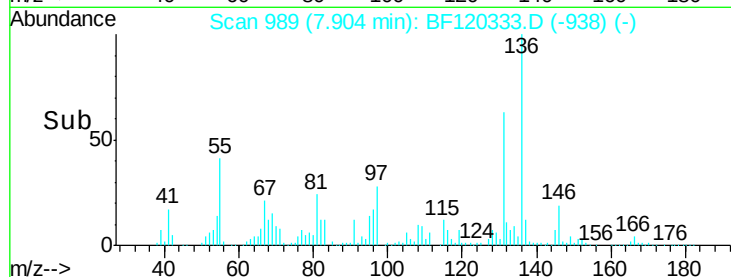
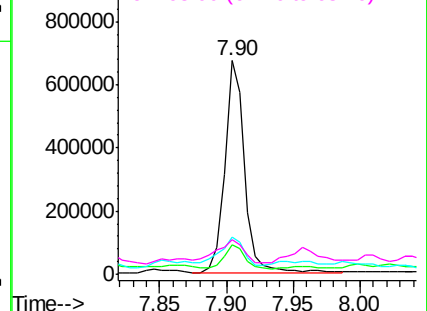
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 15.955 ng

RT: 7.02 min Scan# 838

Delta R.T. -0.02 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

Tgt Ion:105 Resp: 229149

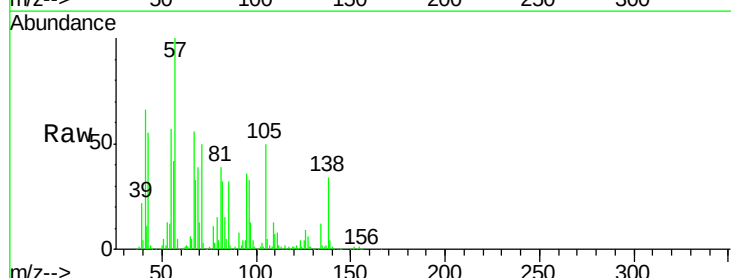
Ion Ratio Lower Upper

105 100

71 101.0 5.6 8.4#

51 10.3 22.6 34.0#

120 1.2 18.7 28.1#



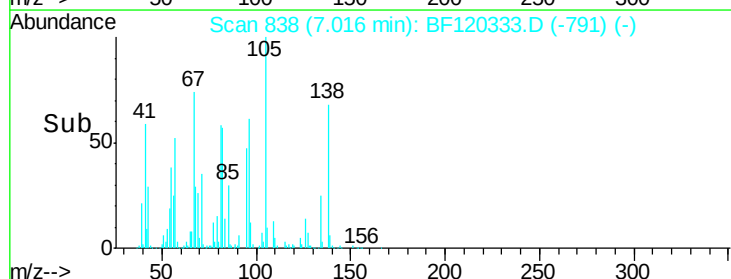
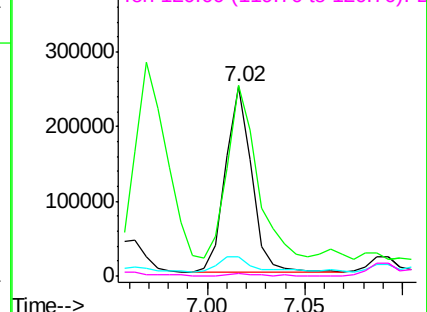
Abundance

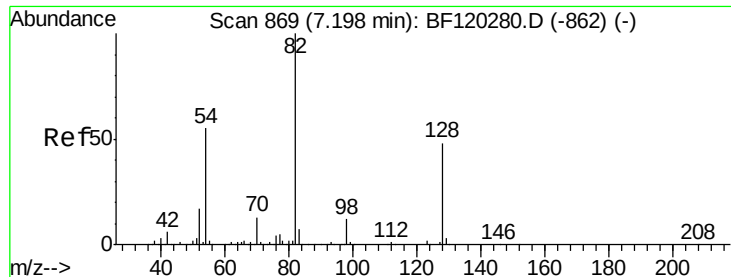
Ion 105.00 (104.70 to 105.70): E

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

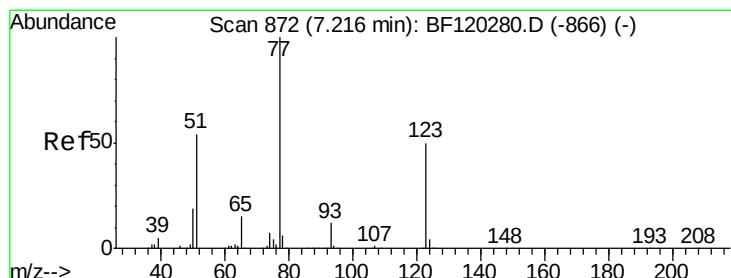
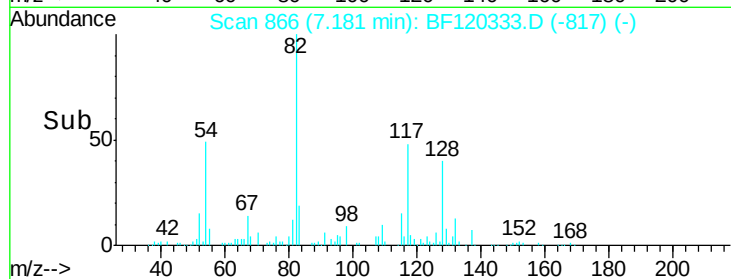
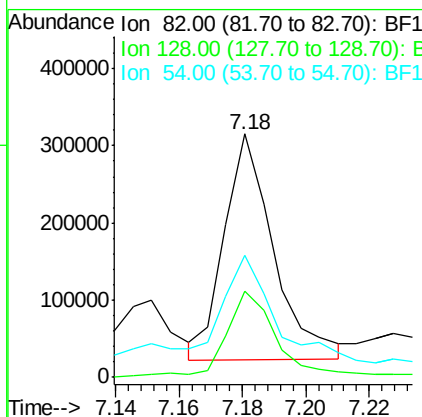
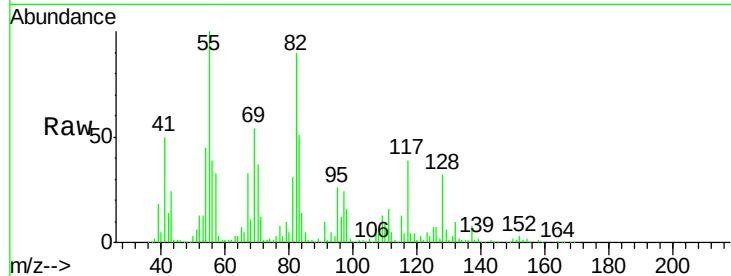




#23
 Nitrobenzene-d5
 Concen: 30.630 ng
 RT: 7.18 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: BF120333.D
 Acq: 15 May 2020 20:39

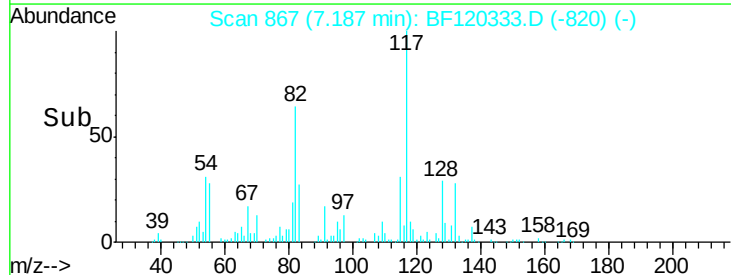
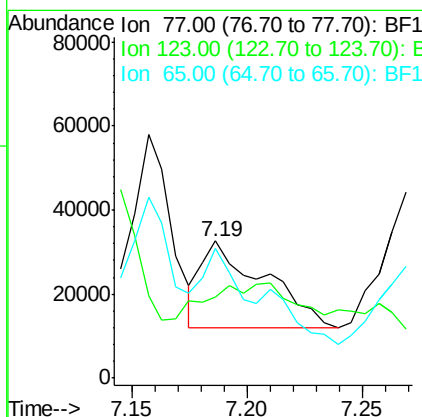
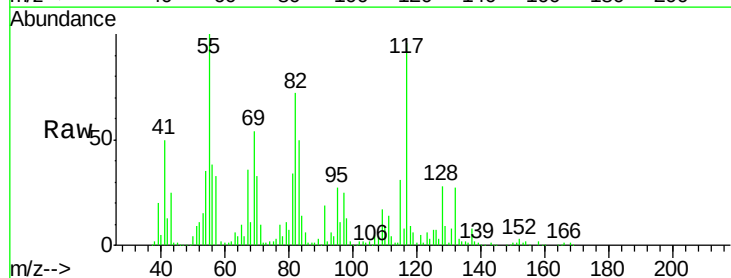
Instrument :
 BNA_F
 ClientSampled :

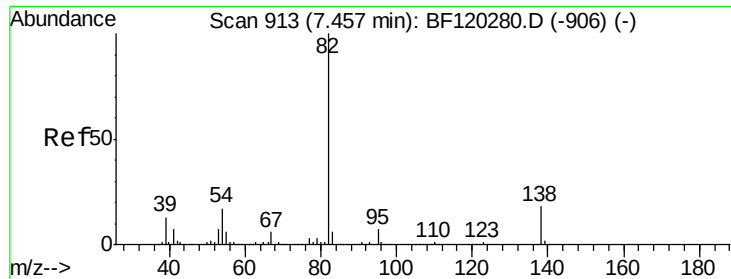
Tot Ion: 82 Resp: 313642
 Ion Ratio Lower Upper
 82 100
 128 35.4 38.3 57.5#
 54 50.1 43.9 65.9



#24
 Nitrobenzene
 Concen: 3.594 ng
 RT: 7.19 min Scan# 867
 Delta R.T. -0.02 min
 Lab File: BF120333.D
 Acq: 15 May 2020 20:39

Tgt Ion: 77 Resp: 39603
 Ion Ratio Lower Upper
 77 100
 123 59.4 40.0 60.0
 65 94.1 11.7 17.5#





#25

Isophorone

Concen: 7.864 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.02 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

Instrument :

BNA_F

ClientSampleId :

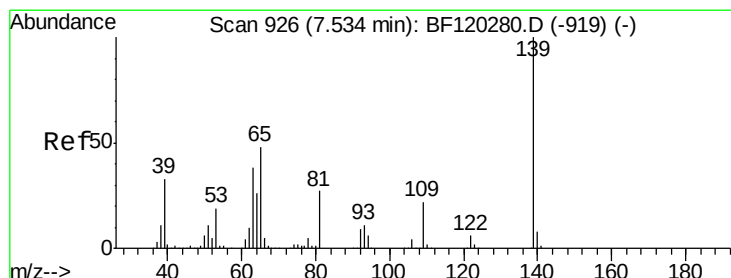
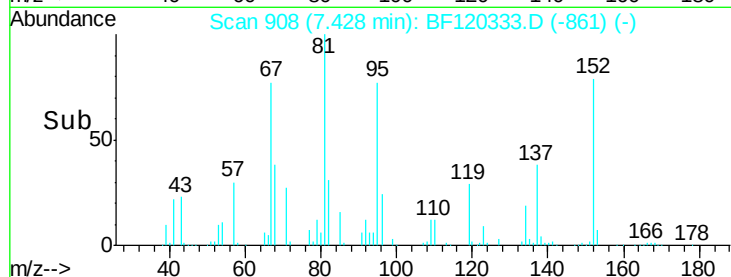
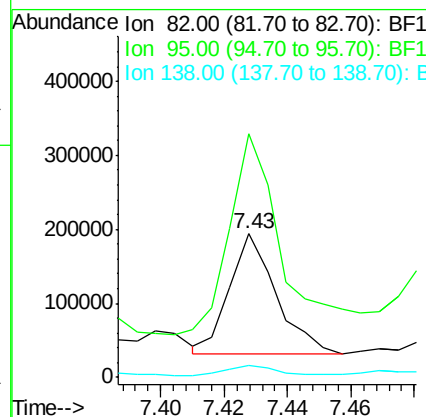
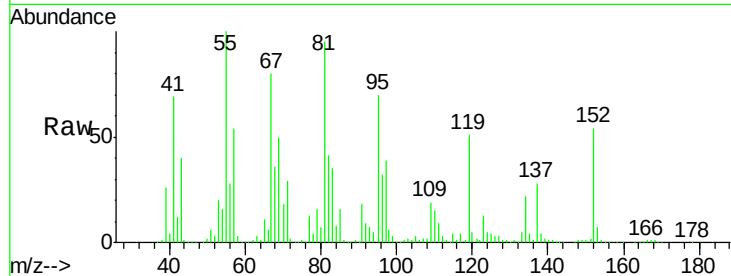
Tot Ion: 82 Resp: 167551

Ion Ratio Lower Upper

82 100

95 169.4 5.4 8.0#

138 8.6 14.7 22.1#



#26

2-Nitrophenol

Concen: 4.364 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.01 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

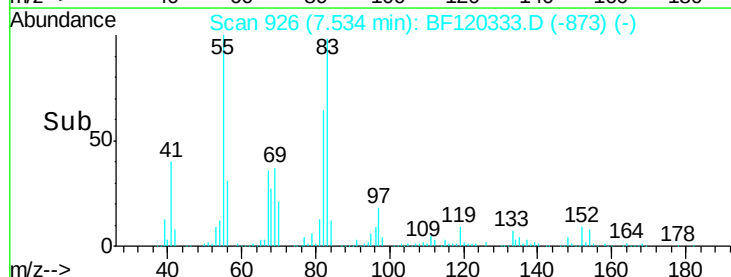
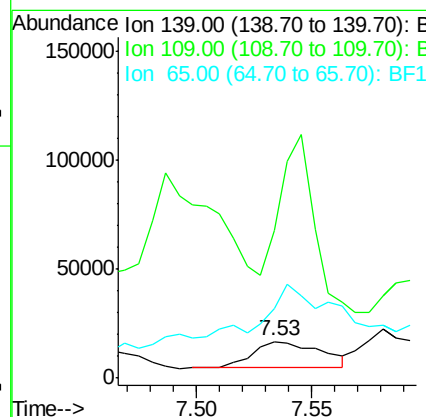
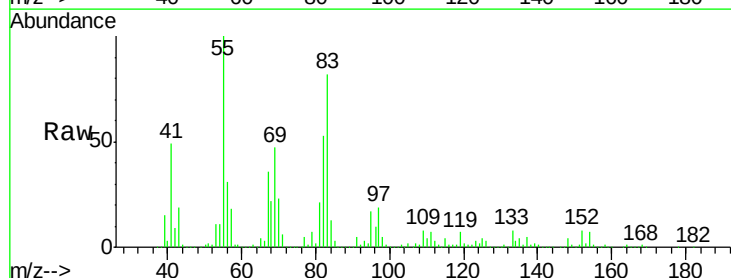
Tgt Ion: 139 Resp: 25150

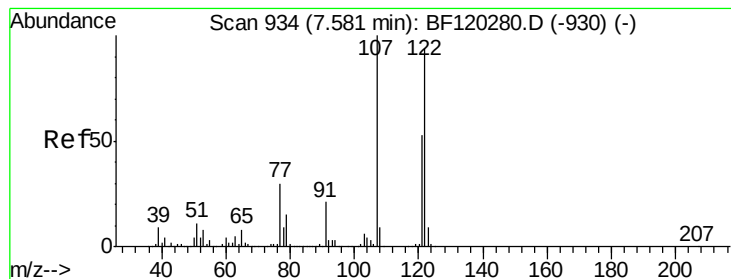
Ion Ratio Lower Upper

139 100

109 401.3 17.7 26.5#

65 189.5 38.3 57.5#





#27

2,4-Dimethylphenol

Concen: 2.987 ng

RT: 7.56 min Scan# 930

Delta R.T. -0.02 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

Instrument :

BNA_F

ClientSampleId :

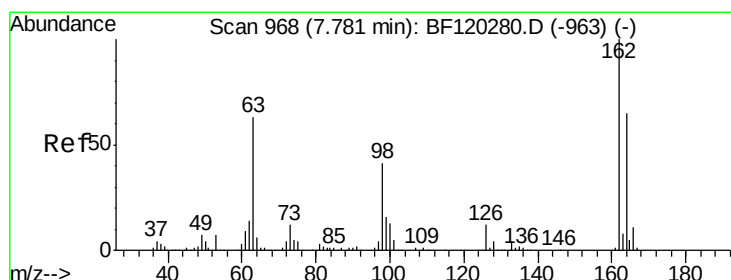
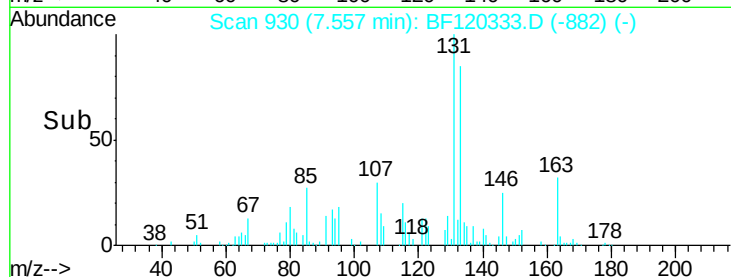
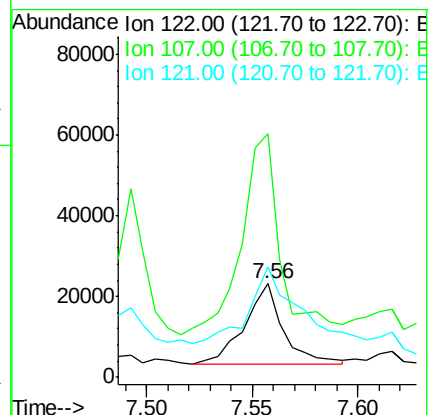
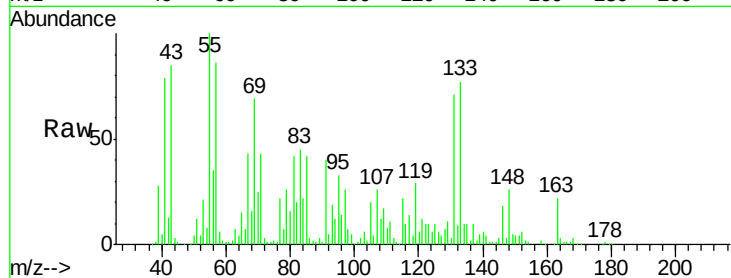
Tot Ion:122 Resp: 25042

Ion Ratio Lower Upper

122 100

107 260.5 85.0 127.6#

121 118.9 45.1 67.7#



#29

2,4-Dichlorophenol

Concen: 2.235 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.02 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

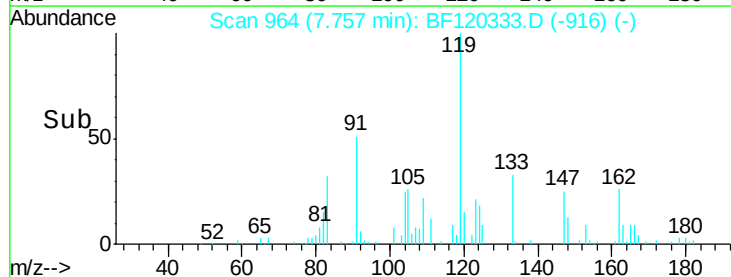
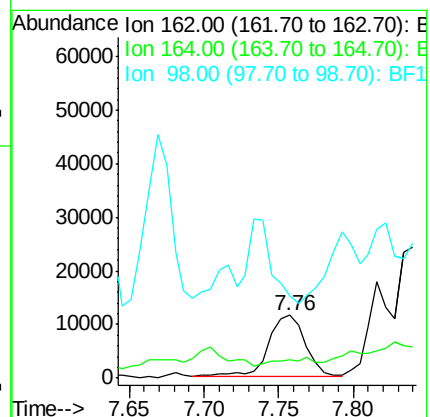
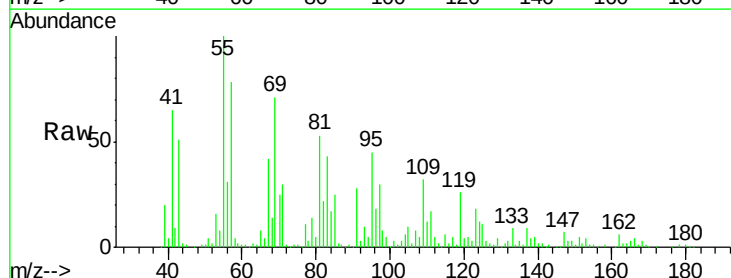
Tgt Ion:162 Resp: 19246

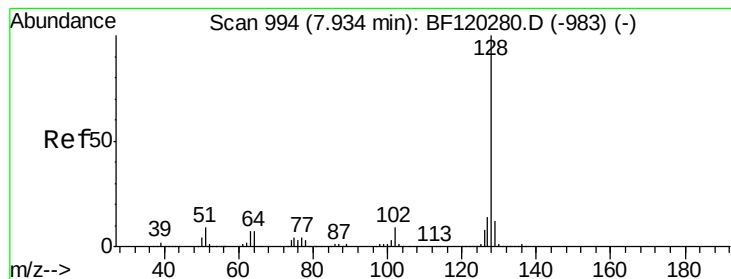
Ion Ratio Lower Upper

162 100

164 28.3 44.9 84.9#

98 130.1 20.7 60.7#





#31

Naphthalene

Concen: 13.309 ng

RT: 7.93 min Scan# 993

Delta R.T. 0.01 min

Lab File: BF120333.D

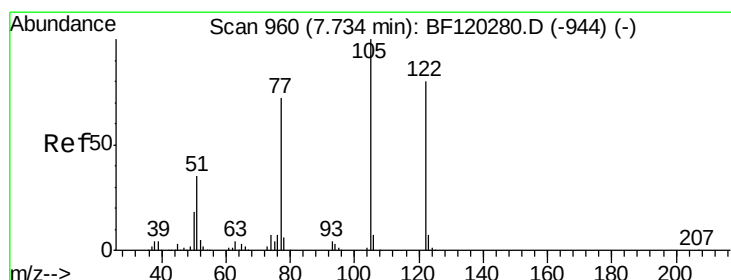
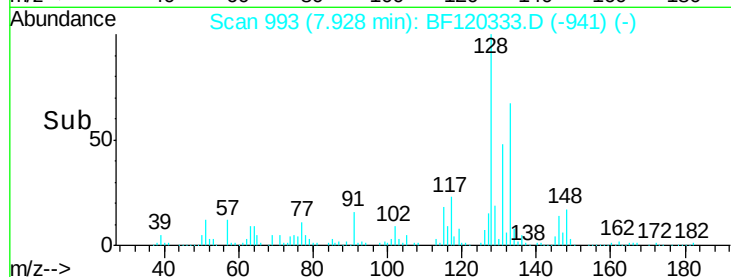
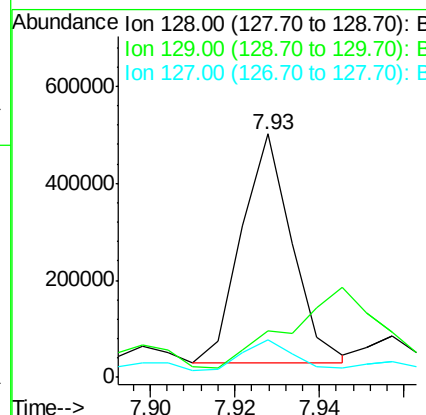
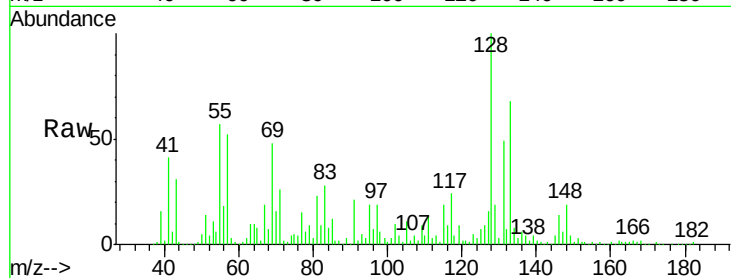
Acq: 15 May 2020 20:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:128	Resp:	393804
Ion Ratio	Lower	Upper
128	100	
129	18.9	9.3 13.9#
127	15.6	11.2 16.8



#32

Benzoic acid

Concen: 5.949 ng

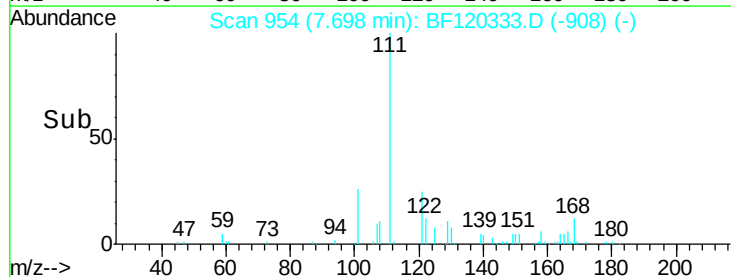
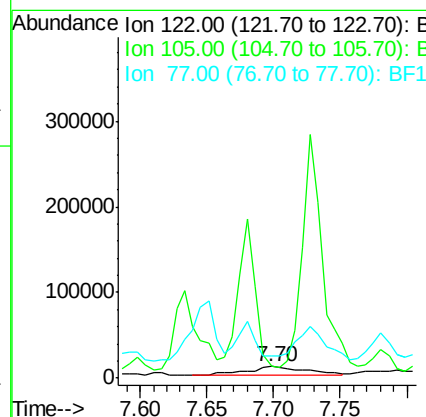
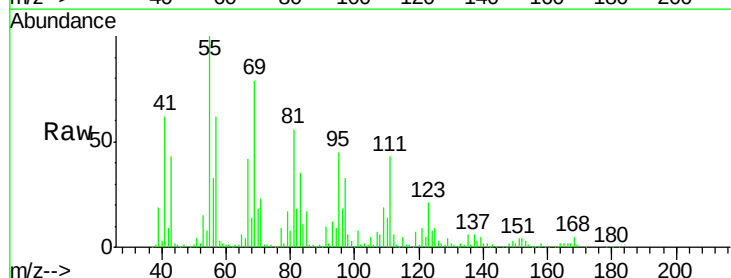
RT: 7.70 min Scan# 954

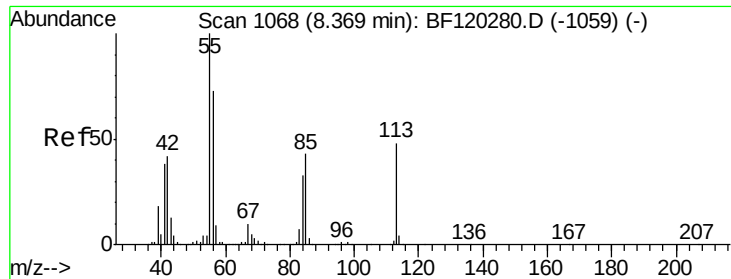
Delta R.T. -0.03 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

Tgt Ion:122	Resp:	32693
Ion Ratio	Lower	Upper
122	100	
105	103.2	98.1 138.1
77	190.4	66.7 106.7#

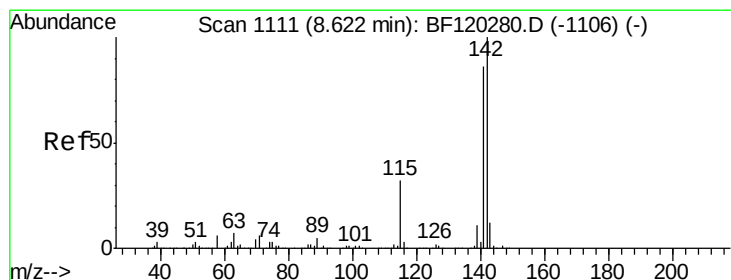
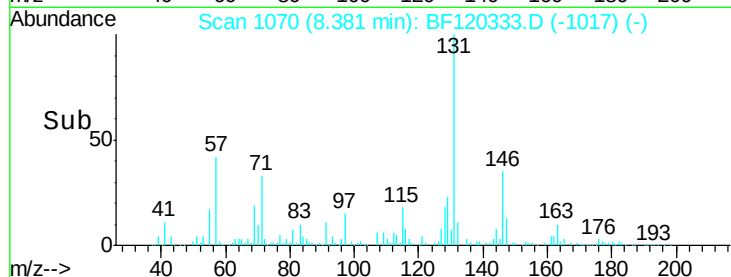
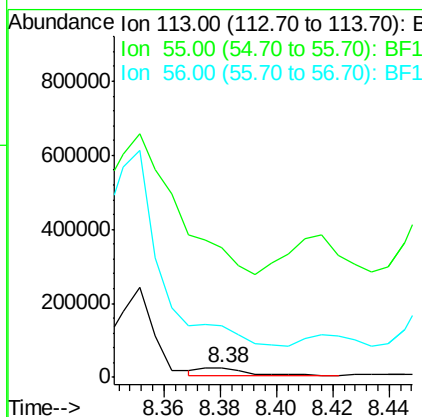
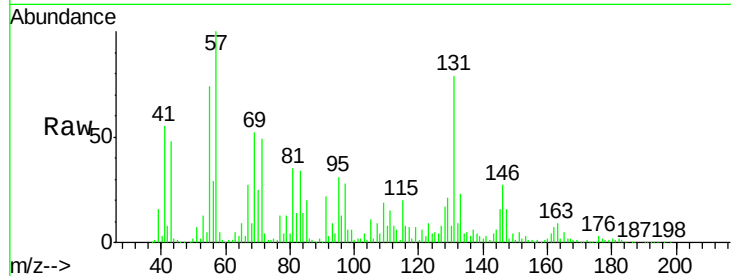




#35
 Caprolactam
 Concen: 7.391 ng
 RT: 8.38 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: BF120333.D
 Acq: 15 May 2020 20:39

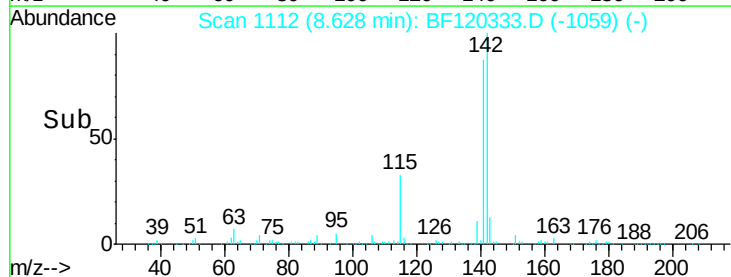
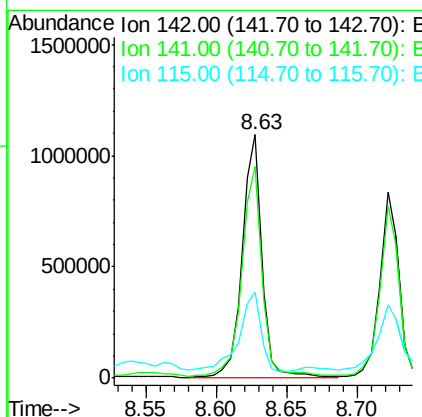
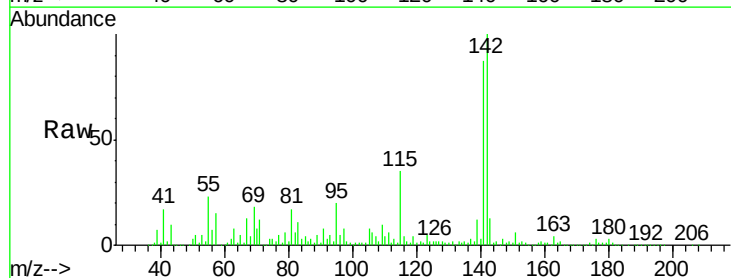
Instrument :
 BNA_F
 ClientSampleId :

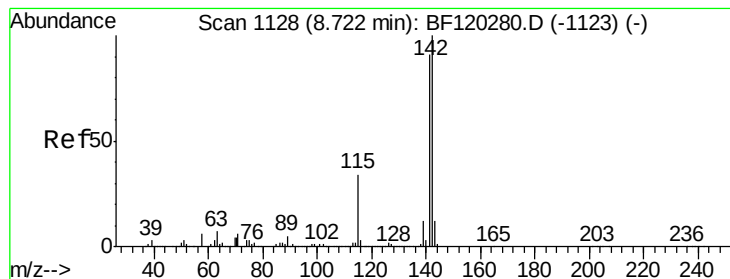
Tot Ion:113 Resp: 20822
 Ion Ratio Lower Upper
 113 100
 55 1338.8 190.4 230.4#
 56 526.6 132.7 172.7#



#37
 2-Methylnaphthalene
 Concen: 52.026 ng
 RT: 8.63 min Scan# 1112
 Delta R.T. 0.01 min
 Lab File: BF120333.D
 Acq: 15 May 2020 20:39

Tgt Ion:142 Resp: 1053435
 Ion Ratio Lower Upper
 142 100
 141 87.1 68.8 103.2
 115 35.1 25.7 38.5





#38

1-Methylnaphthalene

Concen: 53.641 ng

RT: 8.63 min Scan# 1112

Delta R.T. -0.08 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

Instrument :

BNA_F

ClientSampled :

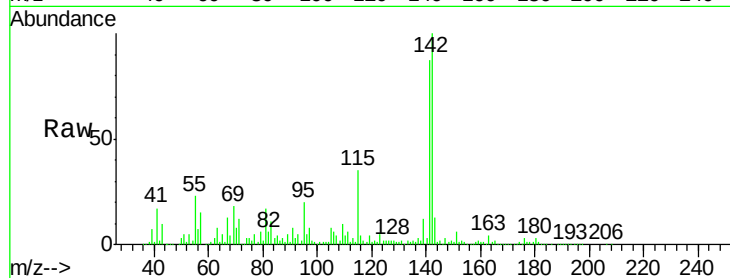
Tot Ion:142 Resp: 1053435

Ion Ratio Lower Upper

142 100

141 87.1 73.0 109.6

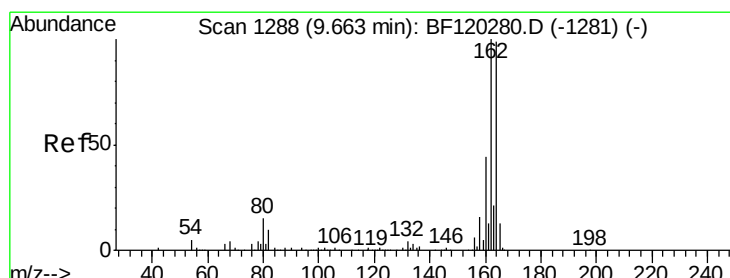
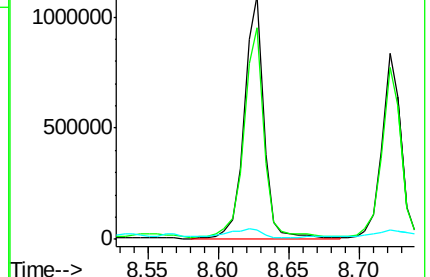
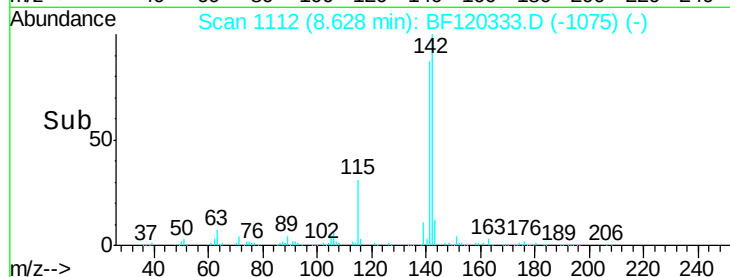
116 3.9 2.7 4.1



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: 9.66 min Scan# 1288

Delta R.T. 0.01 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

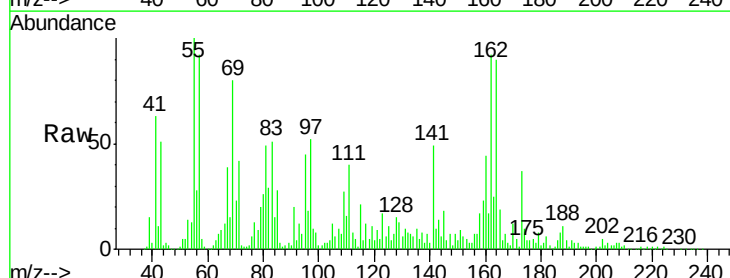
Tgt Ion:164 Resp: 341500

Ion Ratio Lower Upper

164 100

162 101.7 81.2 121.8

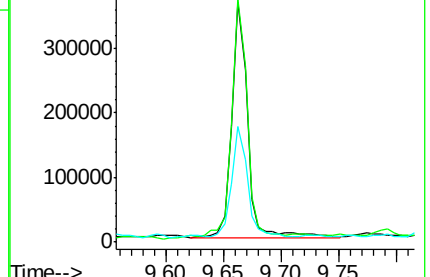
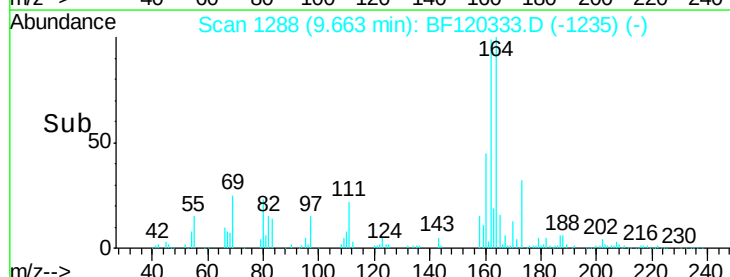
160 48.2 35.8 53.6

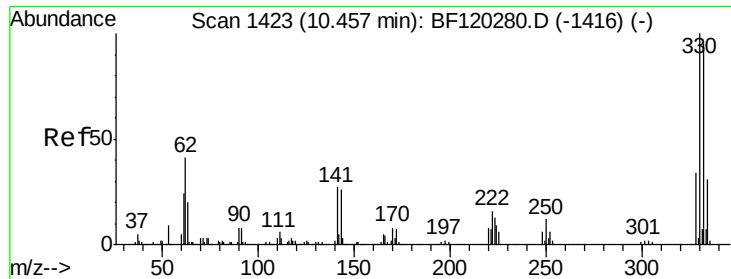


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 8.942 ng

RT: 10.46 min Scan# 1423

Delta R.T. 0.01 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

Instrument :

BNA_F

ClientSampled :

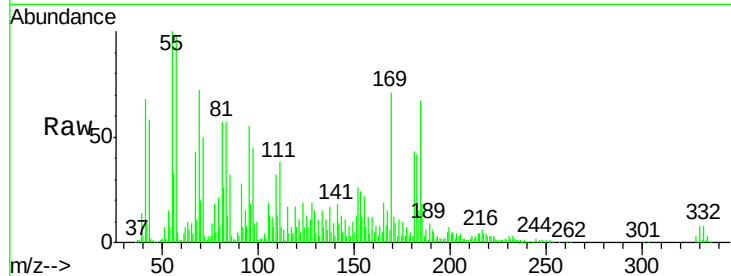
Tot Ion:330 Resp: 24898

Ion Ratio Lower Upper

330 100

332 93.3 76.5 114.7

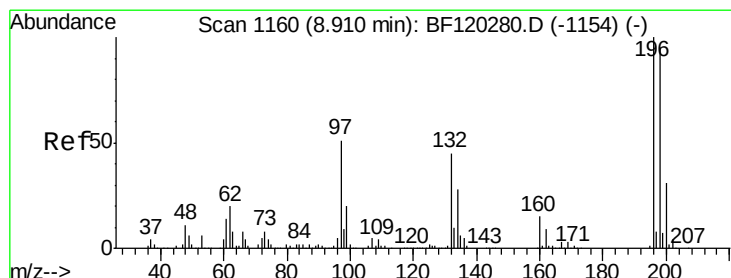
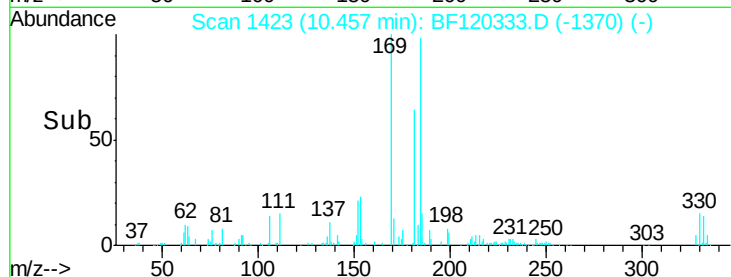
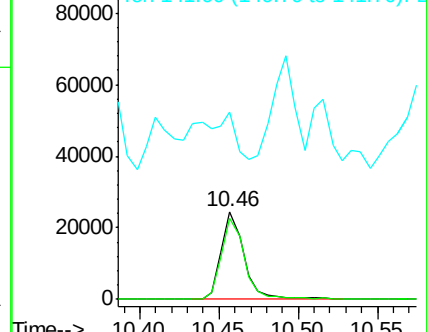
141 75.4 25.4 38.0#



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



#43

2,4,6-Trichlorophenol

Concen: 2.438 ng

RT: 8.90 min Scan# 1159

Delta R.T. 0.01 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

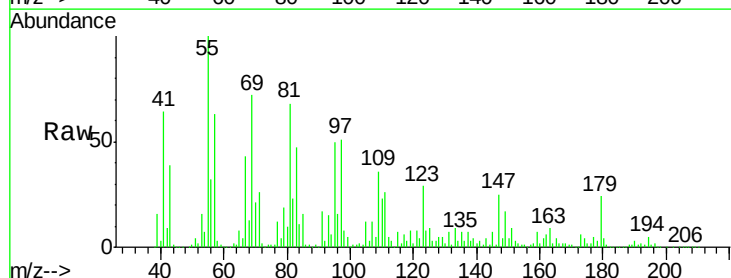
Tgt Ion:196 Resp: 14091

Ion Ratio Lower Upper

196 100

198 3.5 76.2 114.4#

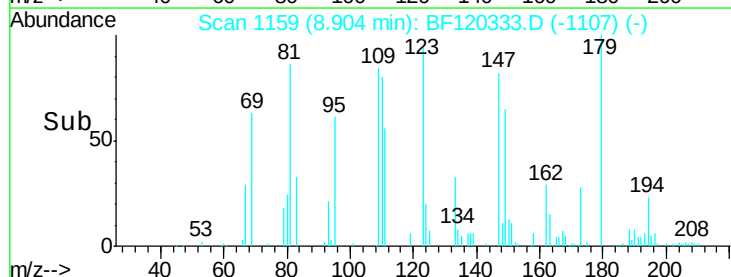
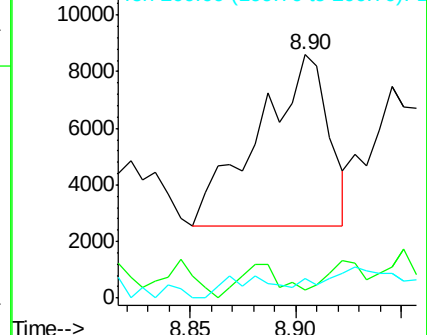
200 8.0 24.9 37.3#

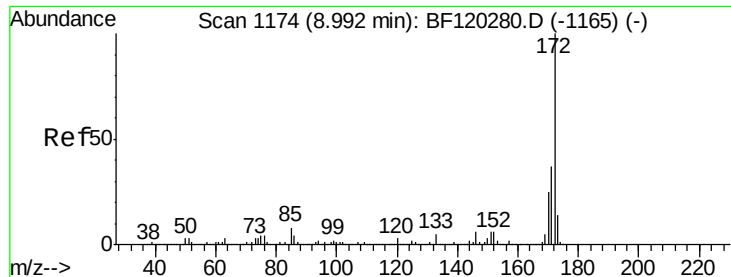


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

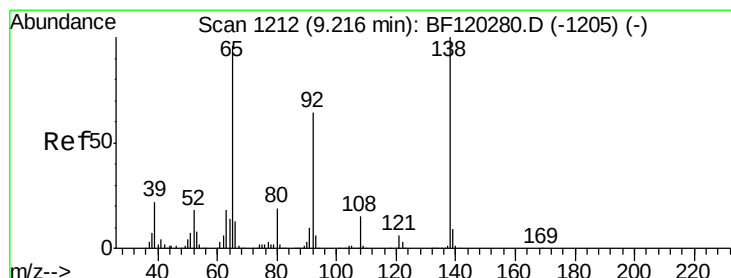
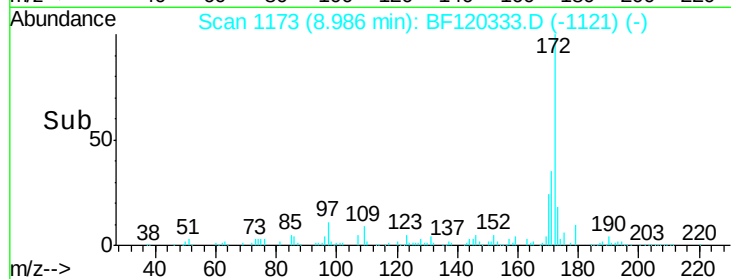
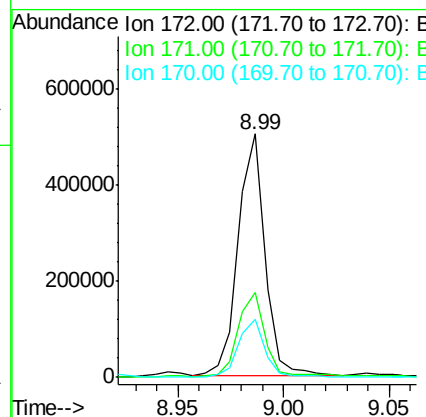
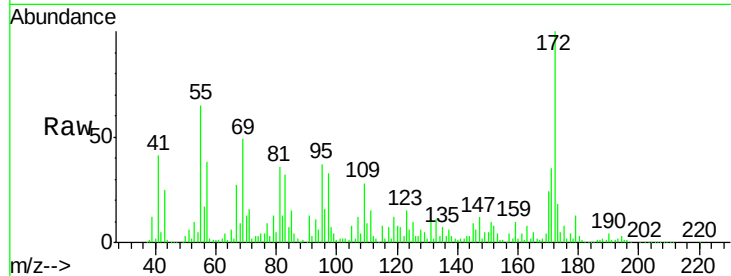




#45
2-Fluorobiphenyl
Concen: 26.396 ng
RT: 8.99 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BF120333.D
Acq: 15 May 2020 20:39

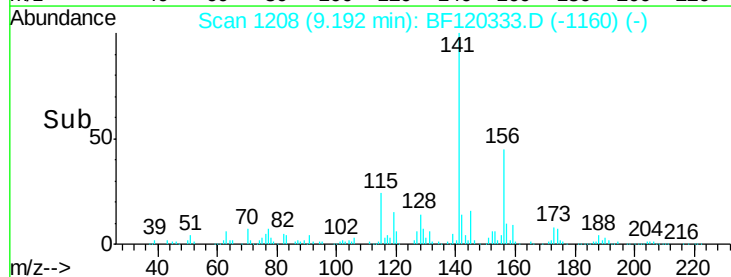
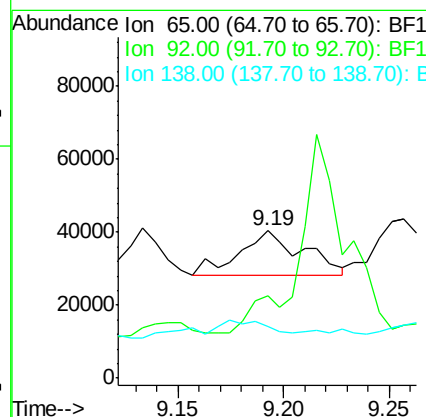
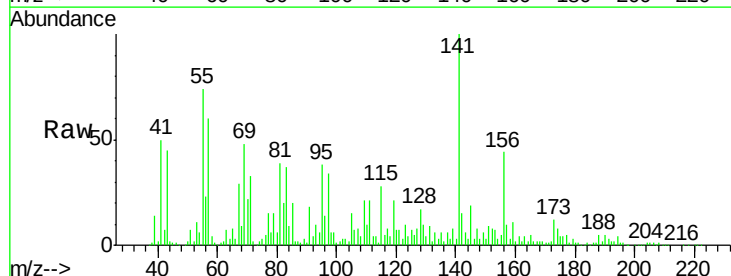
Instrument :
BNA_F
ClientSampleId :

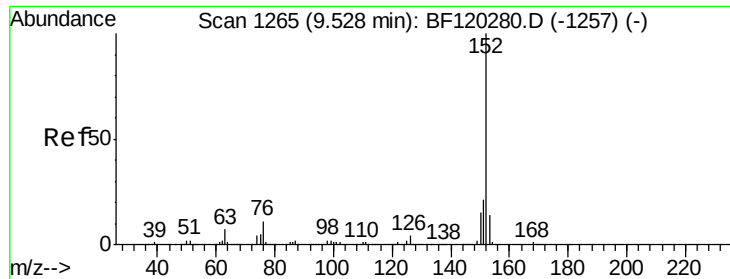
Tot Ion:172 Resp: 438756
Ion Ratio Lower Upper
172 100
171 35.1 29.7 44.5
170 23.9 19.9 29.9



#48
2-Nitroaniline
Concen: 3.807 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BF120333.D
Acq: 15 May 2020 20:39

Tgt Ion: 65 Resp: 24930
Ion Ratio Lower Upper
65 100
92 56.0 52.9 79.3
138 35.1 83.0 124.4#





#49

Acenaphthylene

Concen: 3.517 ng

RT: 9.53 min Scan# 1265

Delta R.T. 0.01 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

Instrument :

BNA_F

ClientSampleId :

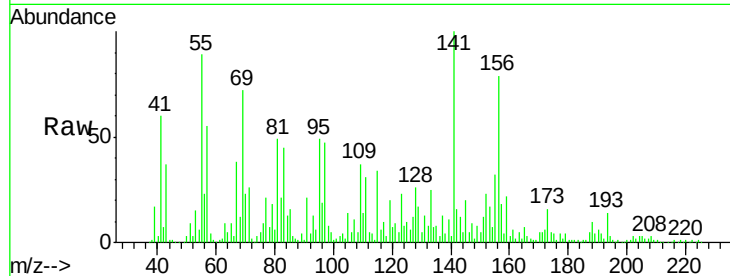
Tot Ion:152 Resp: 96427

Ion Ratio Lower Upper

152 100

151 51.6 16.6 25.0#

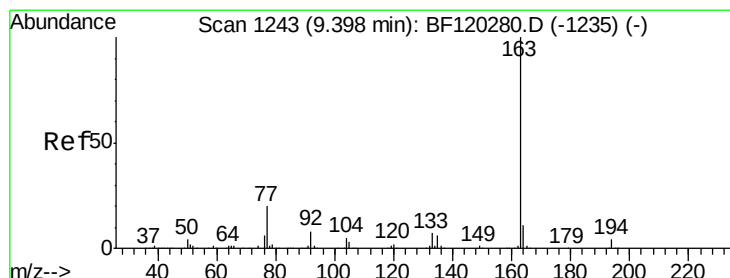
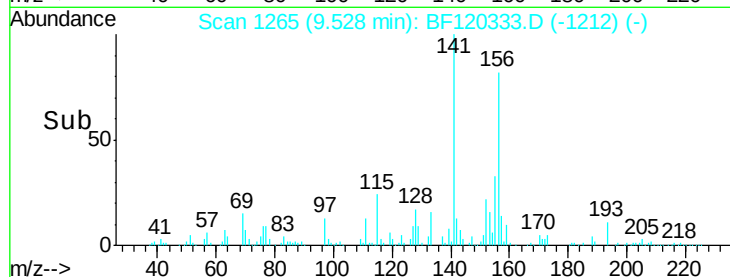
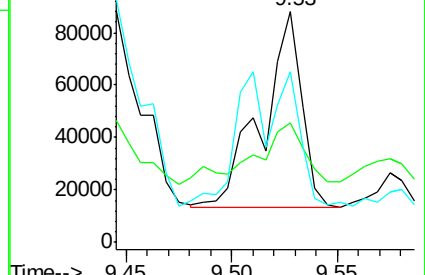
153 73.9 11.1 16.7#



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: 3.315 ng

RT: 9.38 min Scan# 1240

Delta R.T. -0.01 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

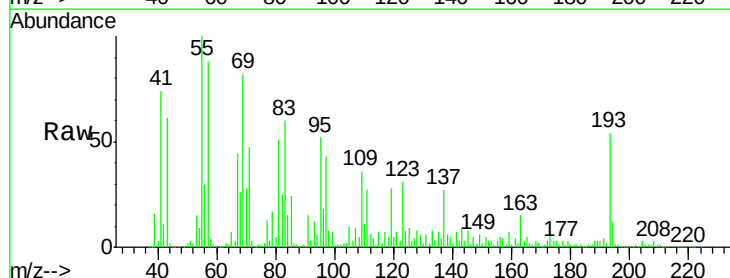
Tgt Ion:163 Resp: 71567

Ion Ratio Lower Upper

163 100

194 79.6 3.1 4.7#

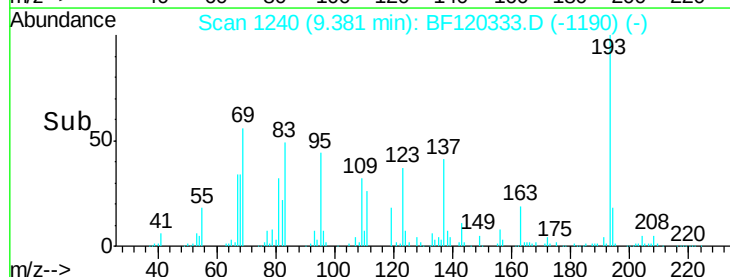
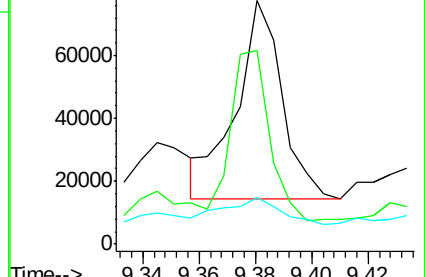
164 19.2 8.6 12.8#

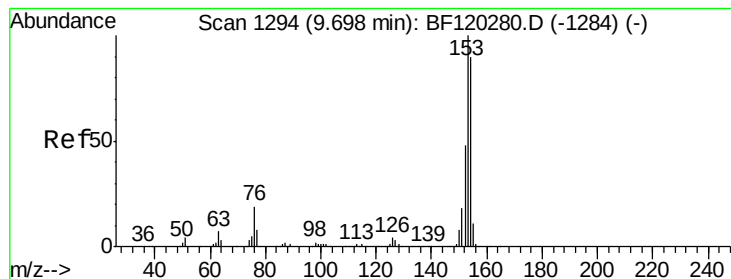


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 6.875 ng

RT: 9.70 min Scan# 1294

Delta R.T. 0.01 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

Instrument :

BNA_F

ClientSampleId :

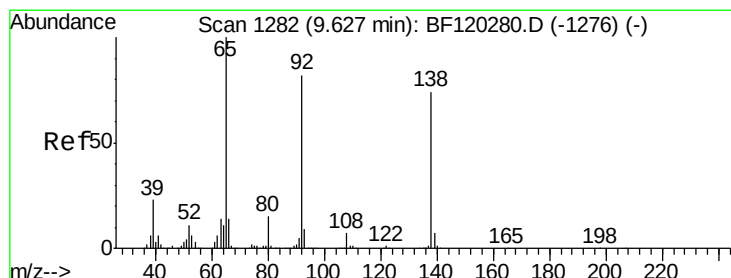
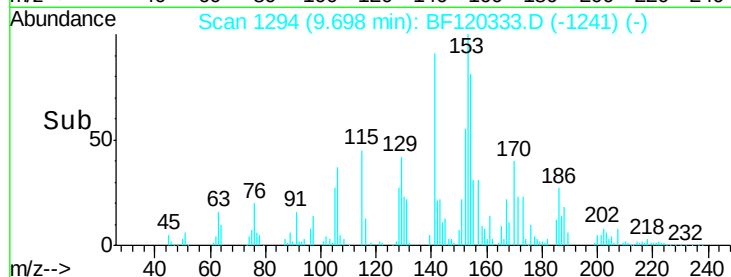
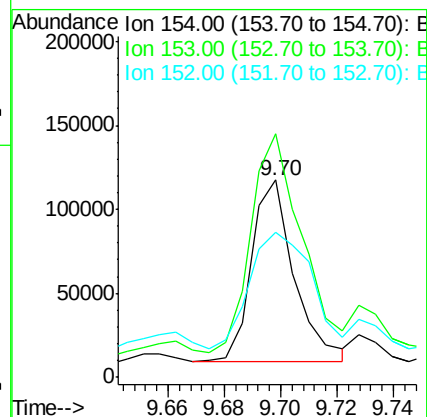
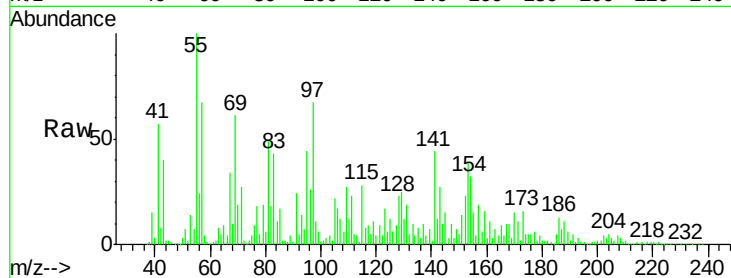
Tot Ion:154 Resp: 112986

Ion Ratio Lower Upper

154 100

153 123.5 89.0 133.4

152 73.3 42.6 64.0#



#53

3-Nitroaniline

Concen: 2.594 ng

RT: 9.65 min Scan# 1285

Delta R.T. 0.02 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

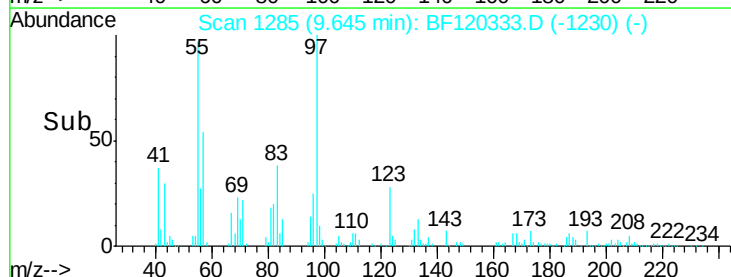
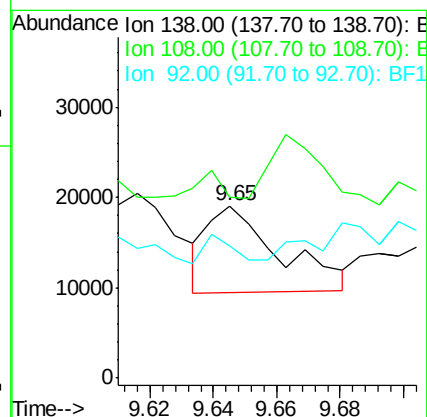
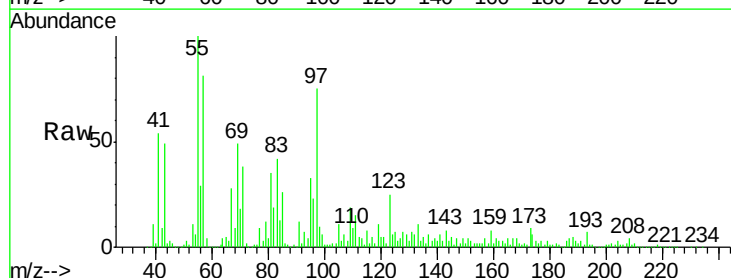
Tgt Ion:138 Resp: 14902

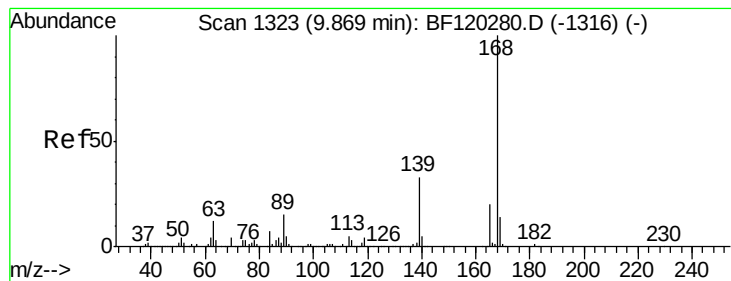
Ion Ratio Lower Upper

138 100

108 105.2 8.2 12.2#

92 77.1 89.6 134.4#





#55

Dibenzenofuran

Concen: 5.963 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.01 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

Instrument :

BNA_F

ClientSampleId :

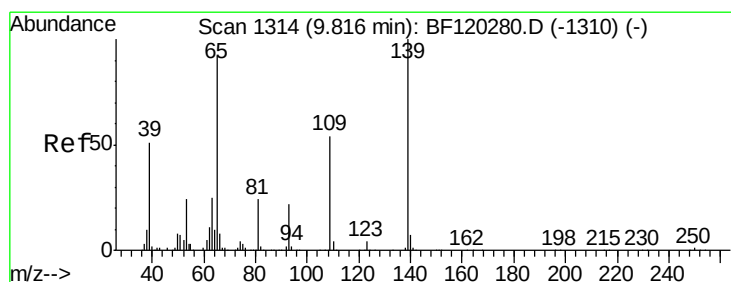
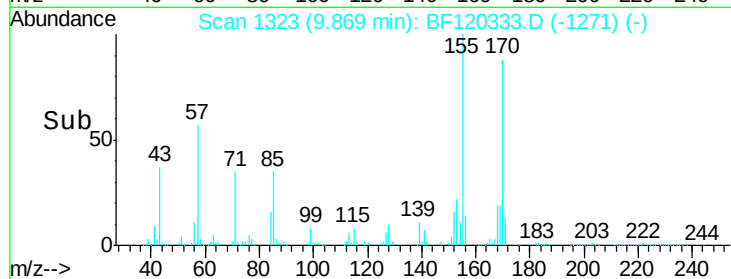
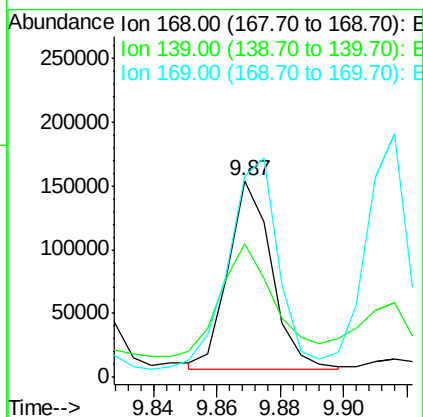
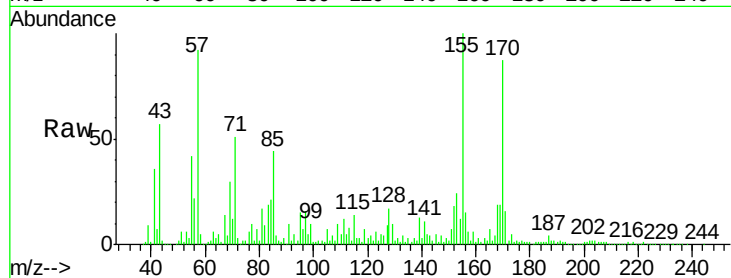
Tot Ion:168 Resp: 141117

Ion Ratio Lower Upper

168 100

139 67.8 29.8 44.6#

169 102.7 11.0 16.6#



#56

4-Nitrophenol

Concen: 5.579 ng

RT: 9.82 min Scan# 1314

Delta R.T. 0.01 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

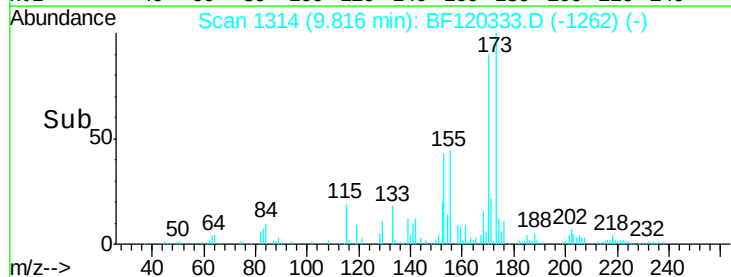
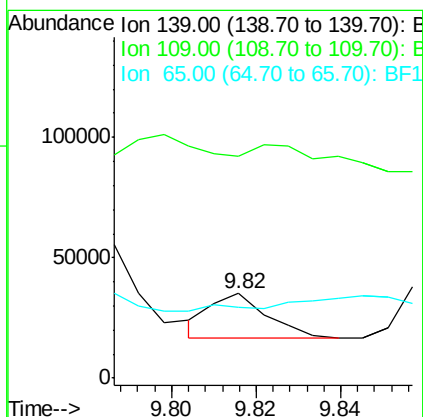
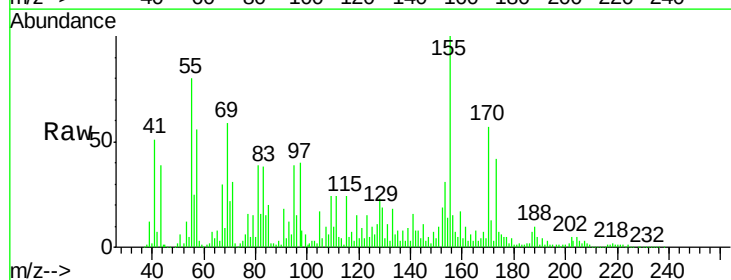
Tgt Ion:139 Resp: 17224

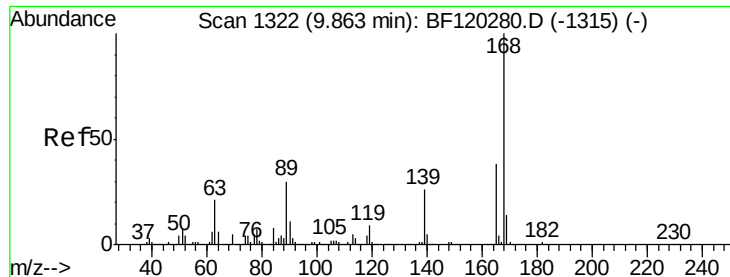
Ion Ratio Lower Upper

139 100

109 261.9 34.6 74.6#

65 83.1 73.3 113.3

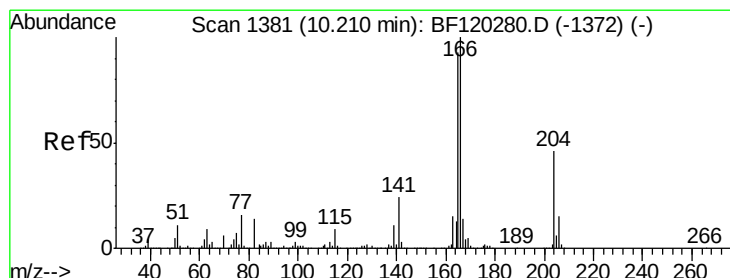
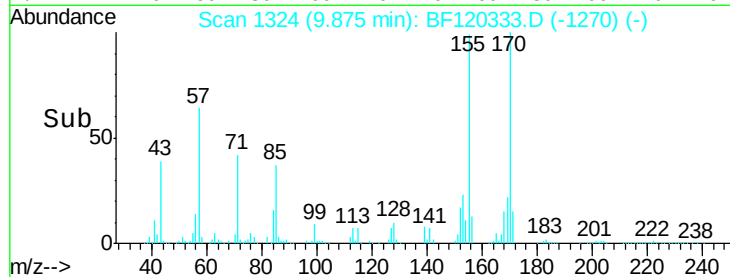
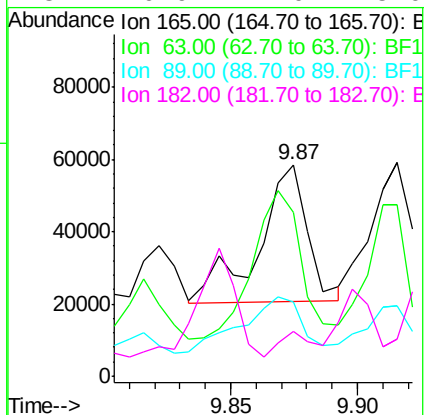
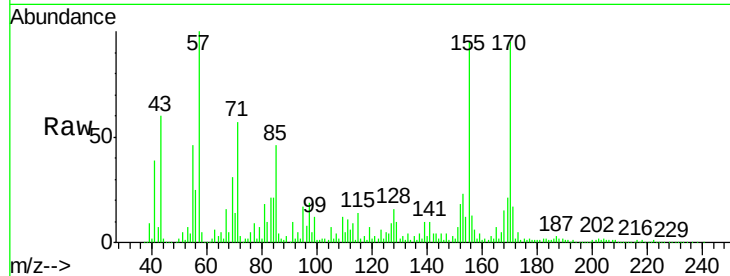




#57
 2,4-Dinitrotoluene
 Concen: 9.169 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.02 min
 Lab File: BF120333.D
 Acq: 15 May 2020 20:39

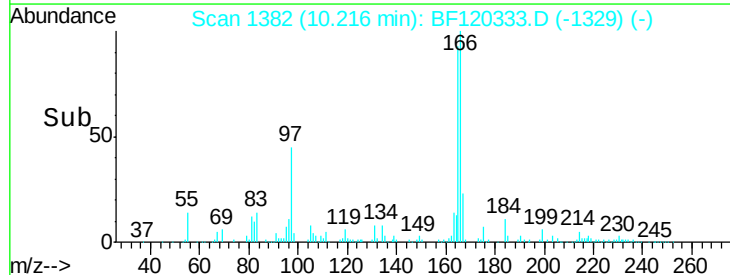
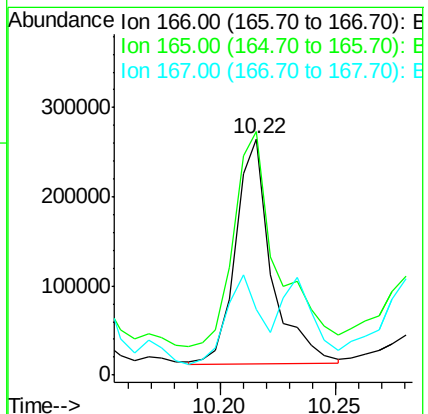
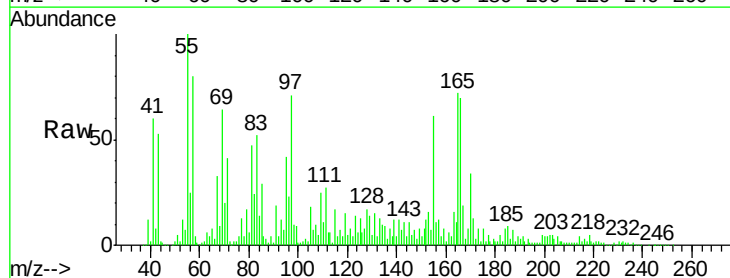
Instrument :
 BNA_F
 ClientSampleId :

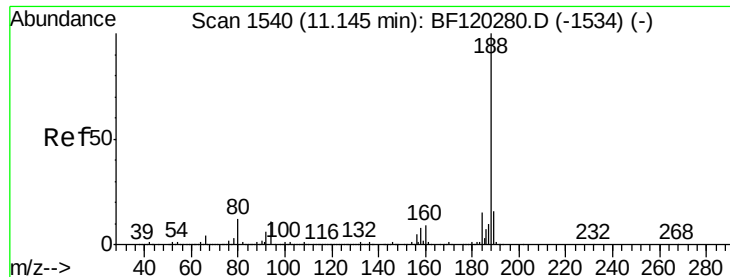
Tot Ion:165 Resp: 51821
 Ion Ratio Lower Upper
 165 100
 63 77.6 51.8 77.8
 89 35.0 64.2 96.4#
 182 20.9 2.0 3.0#



#58
 Fluorene
 Concen: 15.243 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. 0.01 min
 Lab File: BF120333.D
 Acq: 15 May 2020 20:39

Tgt Ion:166 Resp: 274737
 Ion Ratio Lower Upper
 166 100
 165 102.9 74.7 112.1
 167 27.7 11.4 17.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.15 min Scan# 1541

Delta R.T. 0.02 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

Instrument :

BNA_F

ClientSampleId :

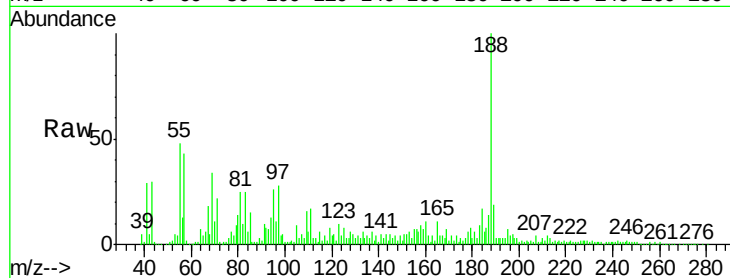
Tot Ion:188 Resp: 552552

Ion Ratio Lower Upper

188 100

94 12.8 8.6 13.0

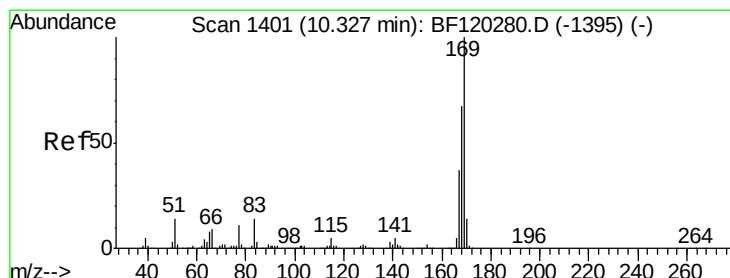
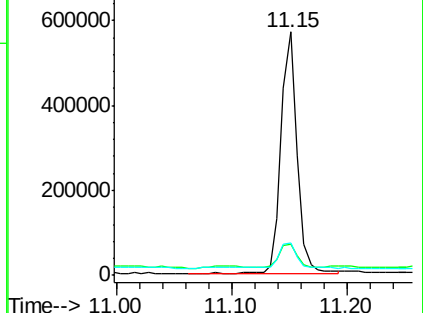
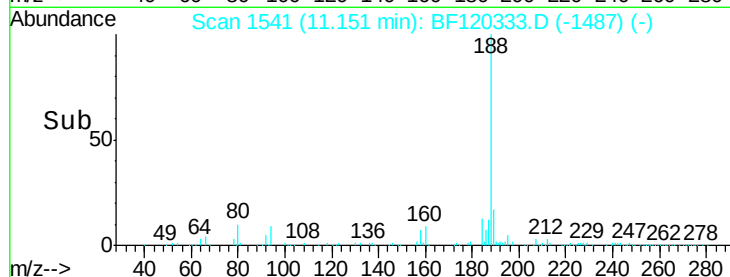
80 13.5 9.2 13.8



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



#66

n-Nitrosodiphenylamine

Concen: 22.782 ng

RT: 10.33 min Scan# 1401

Delta R.T. 0.01 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

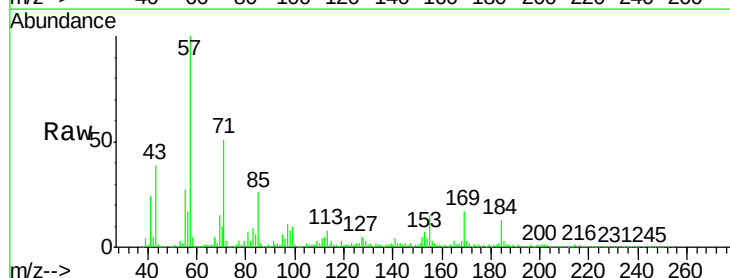
Tgt Ion:169 Resp: 348273

Ion Ratio Lower Upper

169 100

168 19.0 53.7 80.5#

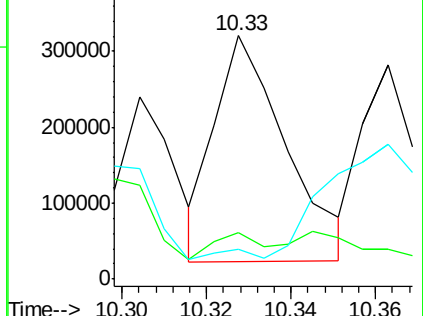
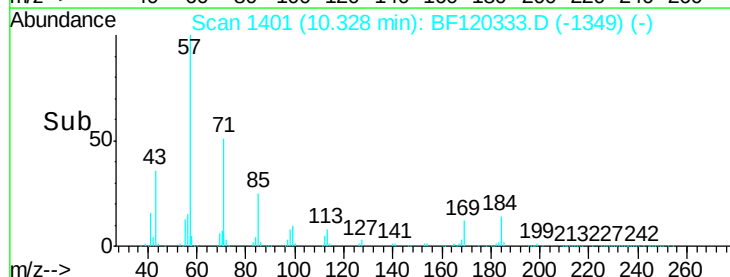
167 12.4 29.8 44.6#

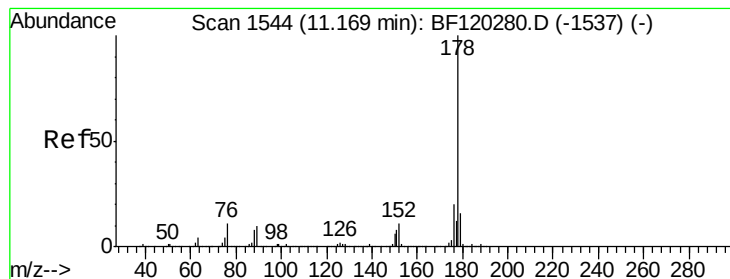


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#71

Phenanthrene

Concen: 60.051 ng

RT: 11.17 min Scan# 1545

Delta R.T. 0.01 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

Instrument :

BNA_F

ClientSampleId :

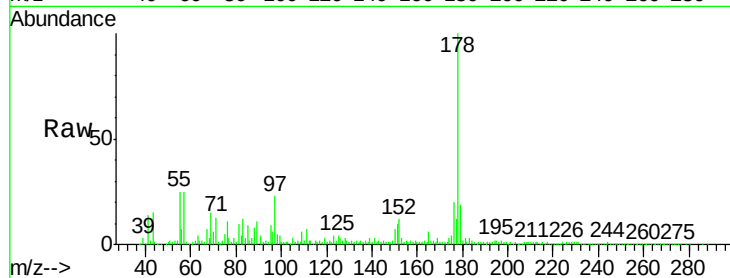
Tot Ion:178 Resp: 1394287

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

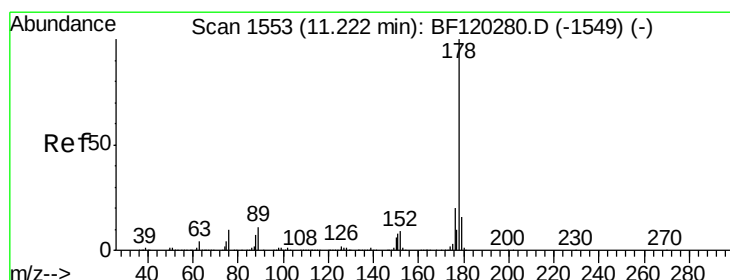
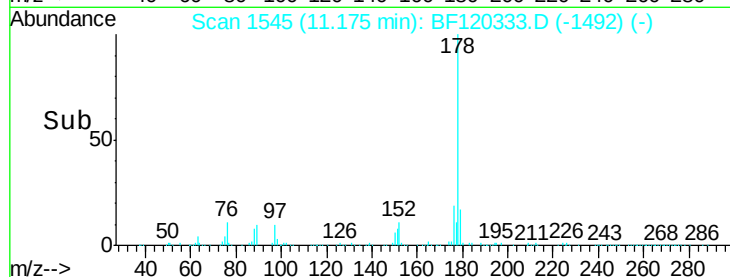
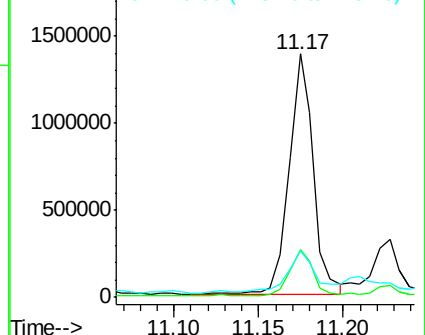
179 19.1 12.8 19.2



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



#72

Anthracene

Concen: 56.094 ng

RT: 11.17 min Scan# 1545

Delta R.T. -0.04 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

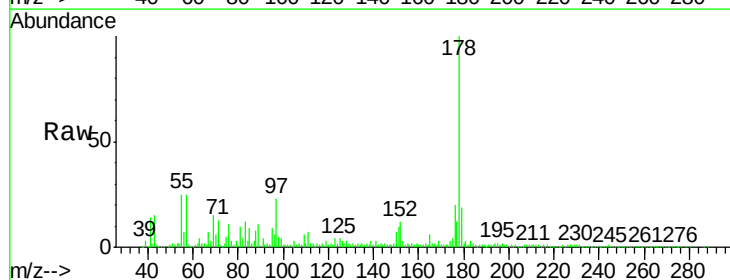
Tgt Ion:178 Resp: 1394287

Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

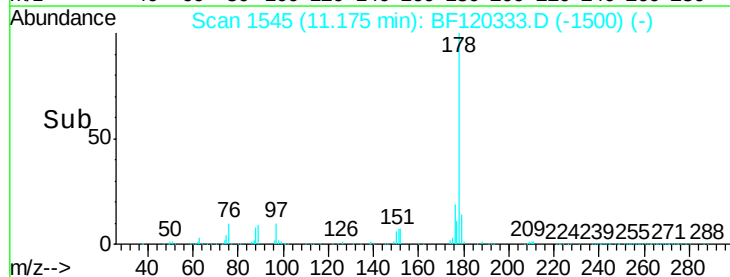
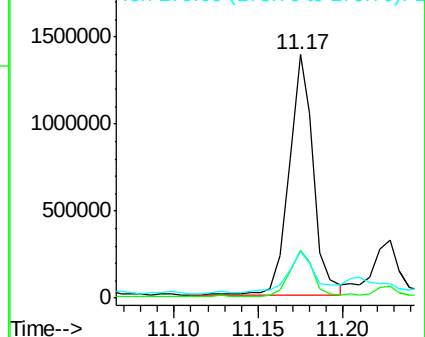
179 19.1 13.0 19.6

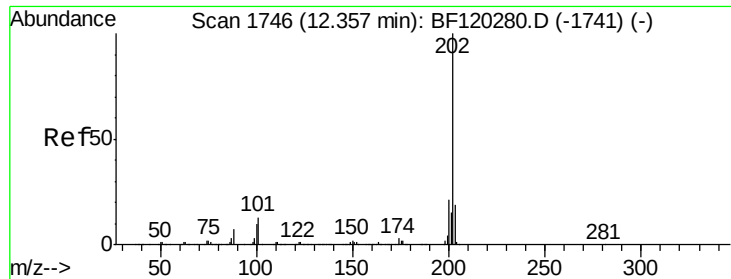


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

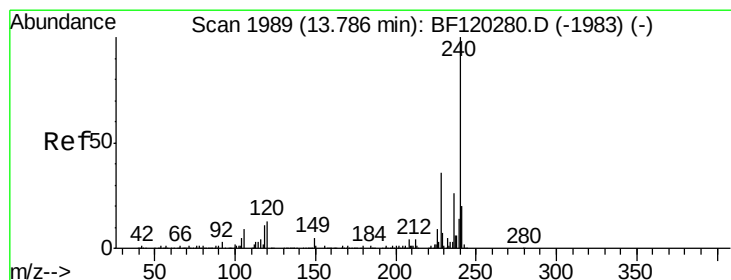
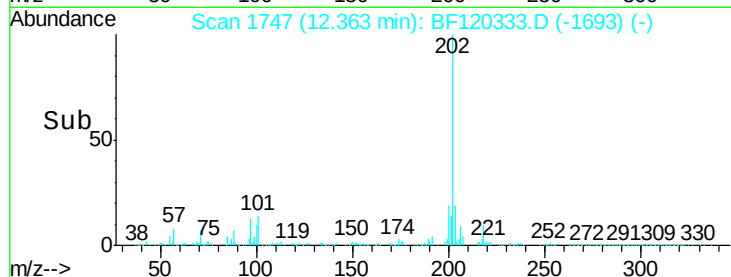
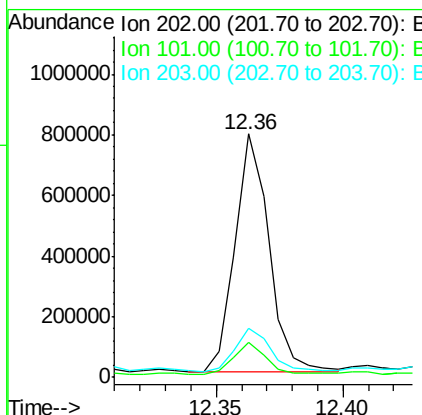
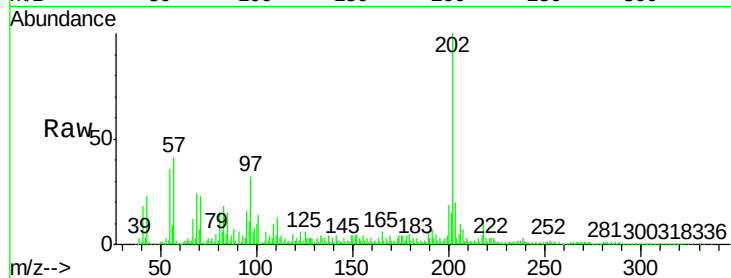




#75
Fluoranthene
Concen: 29.555 ng
RT: 12.36 min Scan# 1747
Delta R.T. 0.02 min
Lab File: BF120333.D
Acq: 15 May 2020 20:39

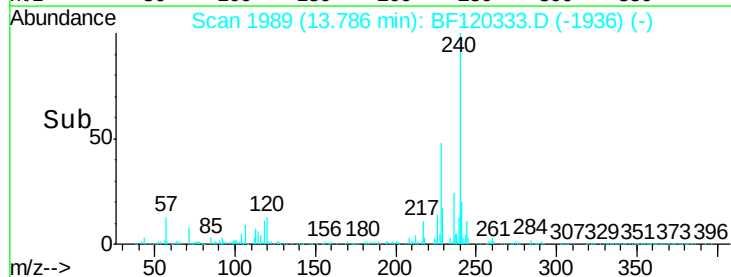
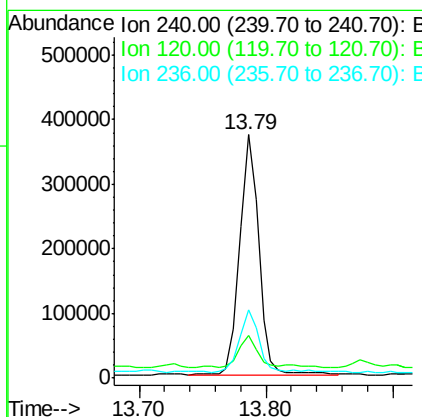
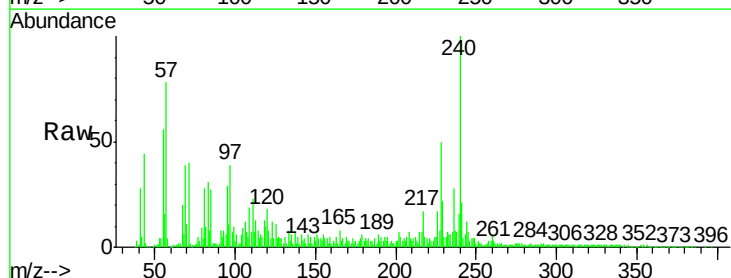
Instrument :
BNA_F
ClientSampleId :

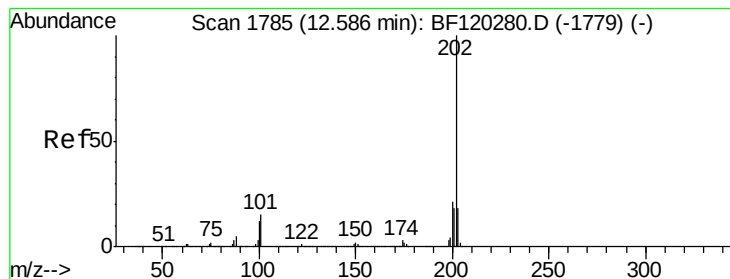
Tot Ion:	202	Resp:	735497
Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	33.2
203	20.2	0.0	39.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1989
Delta R.T. 0.01 min
Lab File: BF120333.D
Acq: 15 May 2020 20:39

Tgt Ion:	240	Resp:	385303
Ion	Ratio	Lower	Upper
240	100		
120	17.6	10.4	15.6#
236	27.9	21.0	31.6





#78

Pvrene

Concen: 35.362 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.02 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

Instrument :

BNA_F

ClientSampleId :

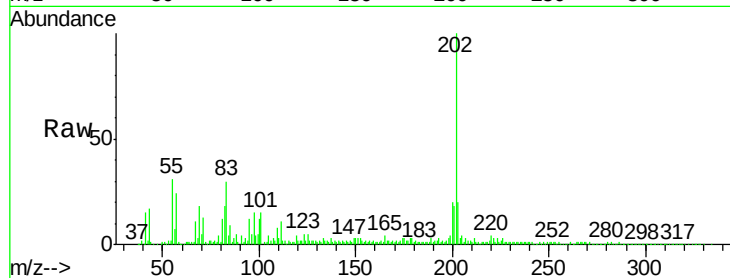
Tot Ion:202 Resp: 971342

Ion Ratio Lower Upper

202 100

200 19.8 16.6 25.0

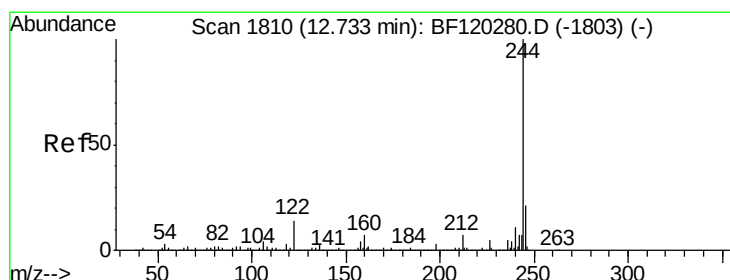
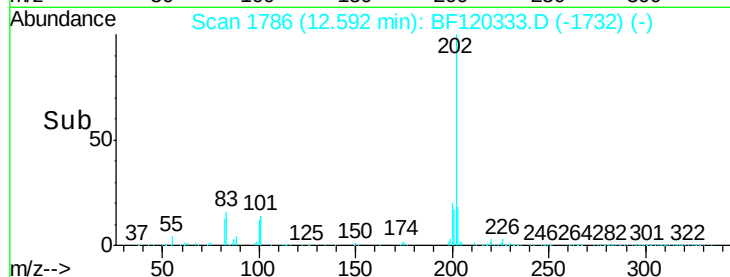
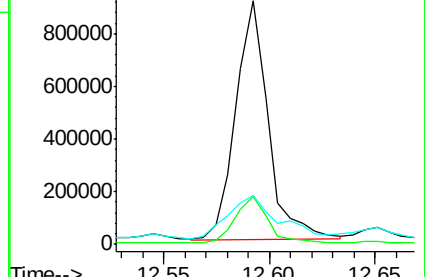
203 20.4 14.6 22.0



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: 18.346 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.01 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

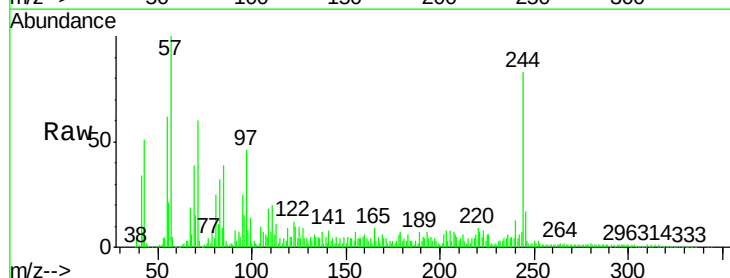
Tgt Ion:244 Resp: 319968

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.6

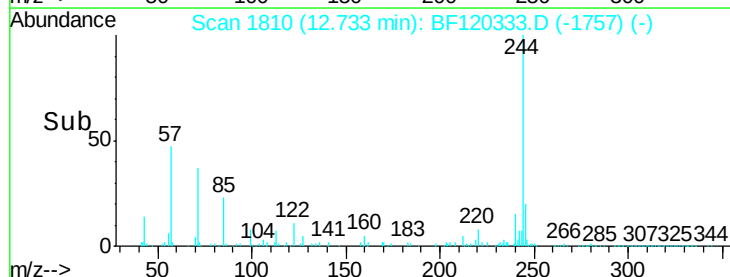
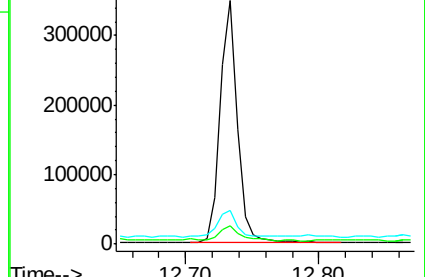
122 13.9 10.8 16.2

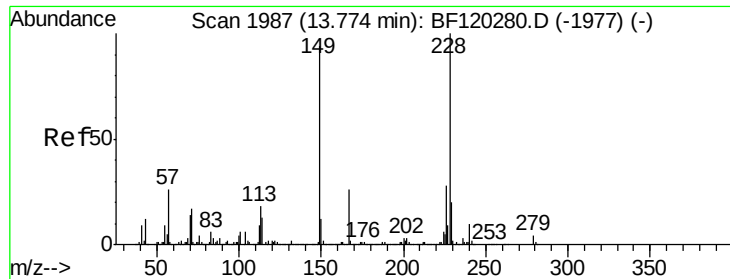


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

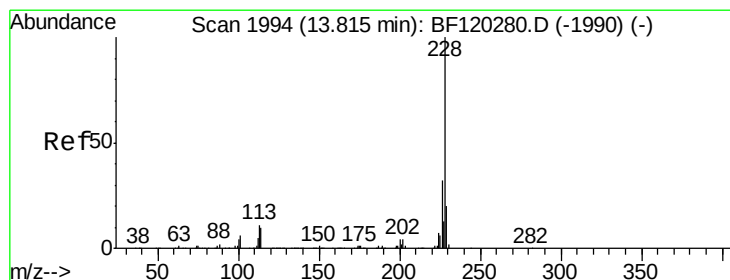
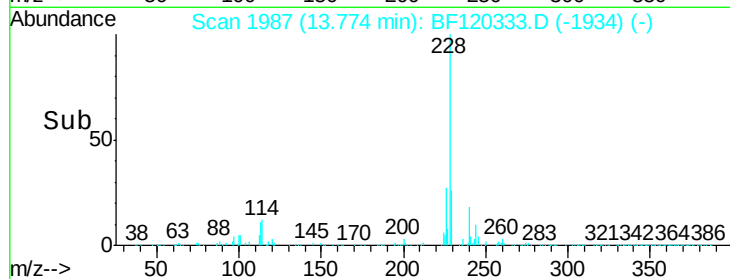
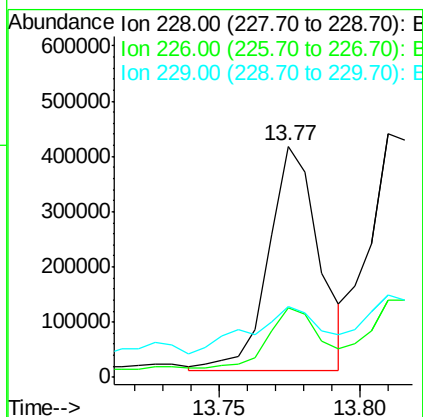
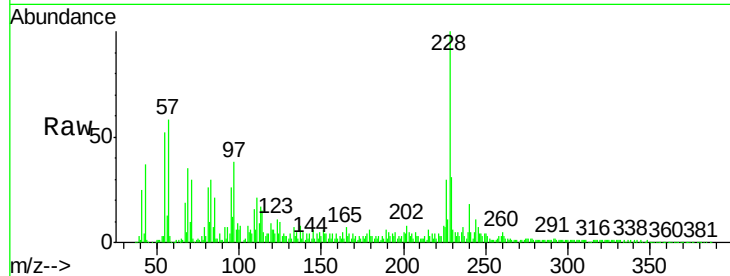




#81
Benzo(a)anthracene
Concen: 25.093 ng
RT: 13.77 min Scan# 1987
Delta R.T. 0.01 min
Lab File: BF120333.D
Acq: 15 May 2020 20:39

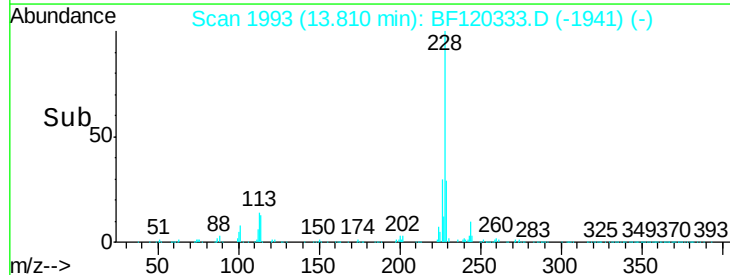
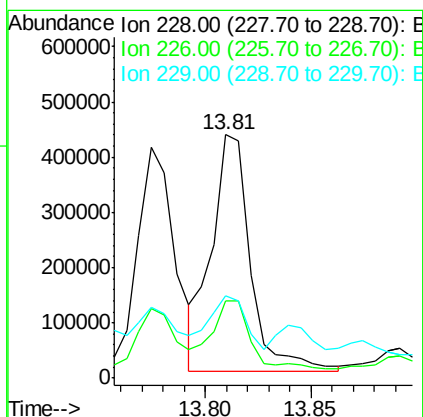
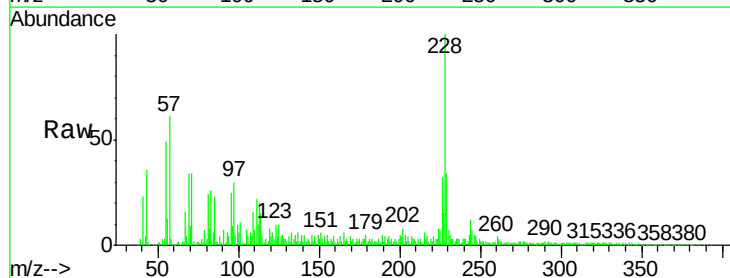
Instrument :
BNA_F
ClientSampled :

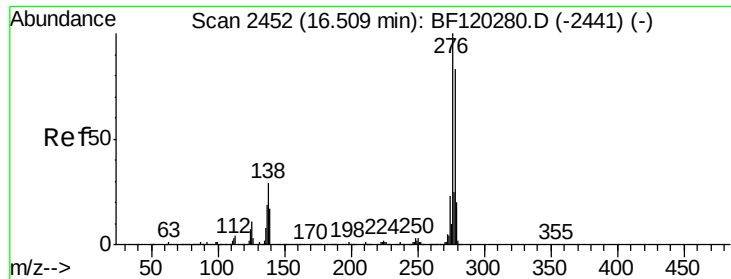
Tot Ion:228 Resp: 509954
Ion Ratio Lower Upper
228 100
226 30.0 22.6 33.8
229 30.7 16.4 24.6#



#83
Chrysene
Concen: 25.419 ng
RT: 13.81 min Scan# 1993
Delta R.T. 0.01 min
Lab File: BF120333.D
Acq: 15 May 2020 20:39

Tgt Ion:228 Resp: 554688
Ion Ratio Lower Upper
228 100
226 31.9 25.0 37.6
229 33.9 16.2 24.4#





#86

Indeno(1,2,3-cd)pyrene

Concen: 8.804 ng

RT: 16.51 min Scan# 2452

Delta R.T. 0.02 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

Instrument :

BNA_F

ClientSampleId :

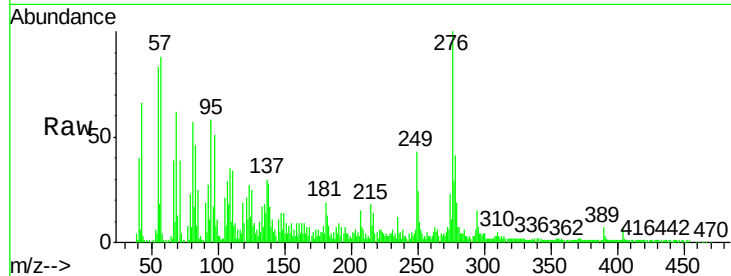
Tot Ion:276 Resp: 174378

Ion Ratio Lower Upper

276 100

138 24.3 23.3 34.9

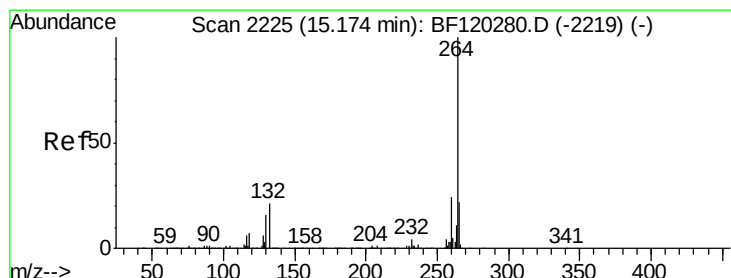
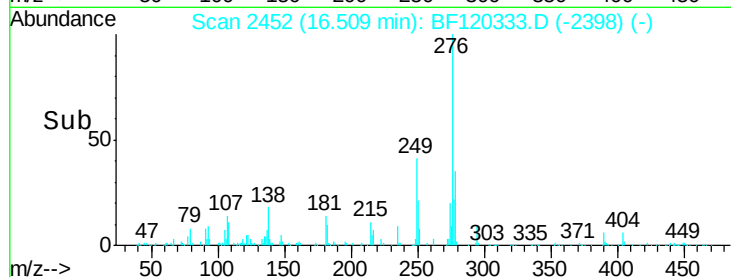
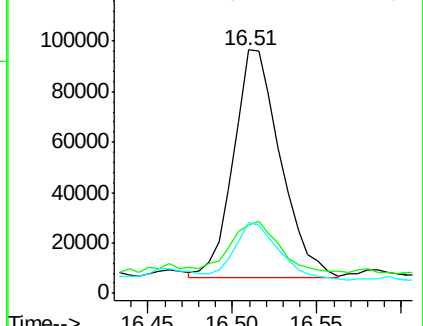
277 23.9 20.2 30.4



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: 15.19 min Scan# 2227

Delta R.T. 0.02 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

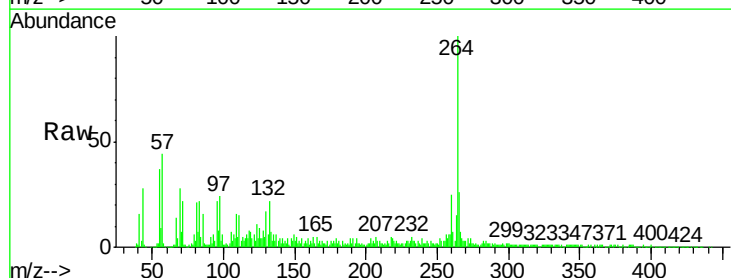
Tgt Ion:264 Resp: 467891

Ion Ratio Lower Upper

264 100

260 25.0 19.0 28.6

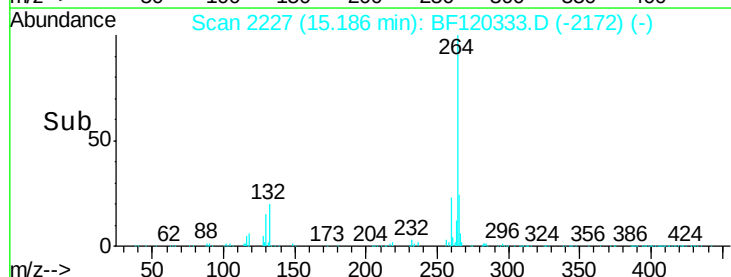
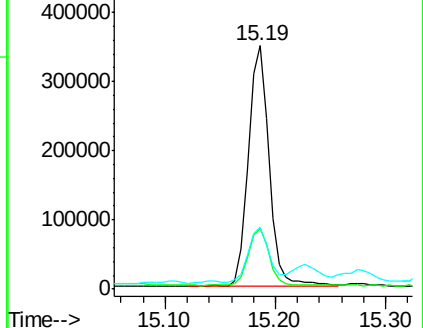
265 25.6 17.5 26.3

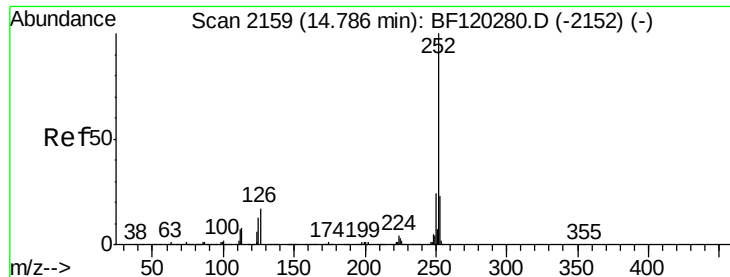


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

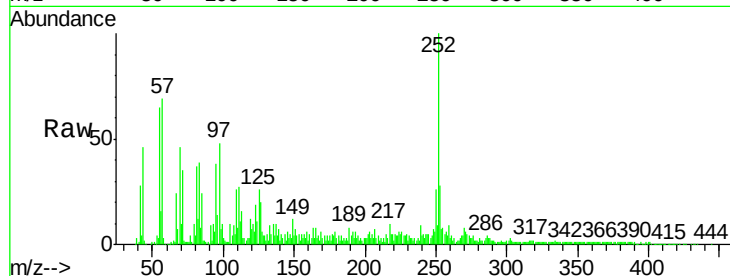




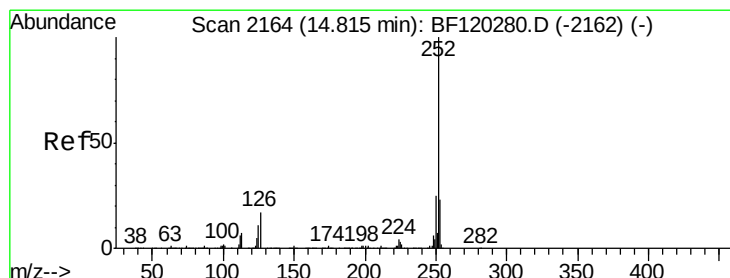
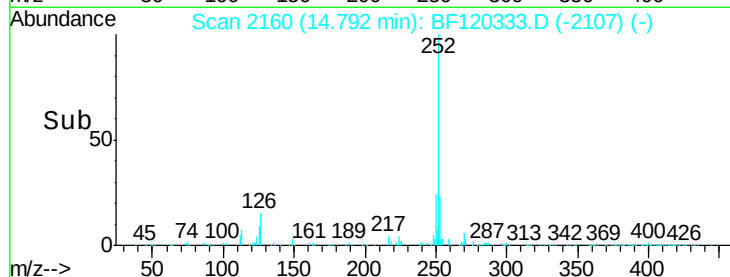
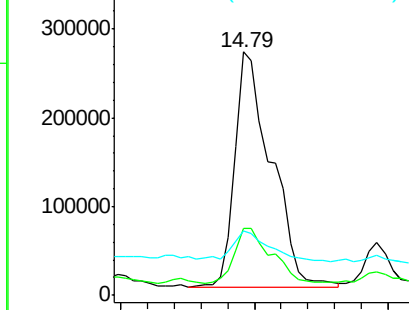
#88
Benzo(b)fluoranthene
Concen: 19.667 ng
RT: 14.79 min Scan# 2160
Delta R.T. 0.01 min
Lab File: BF120333.D
Acq: 15 May 2020 20:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.6	18.1	27.1#
125	26.4	10.4	15.6#

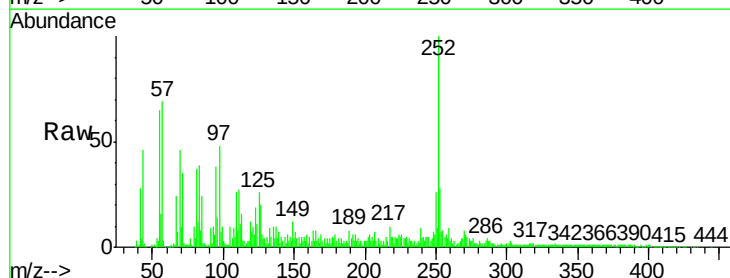


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

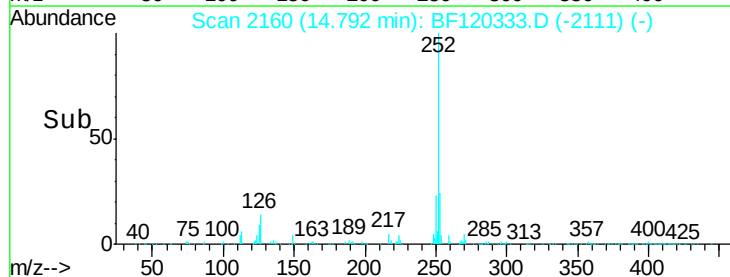
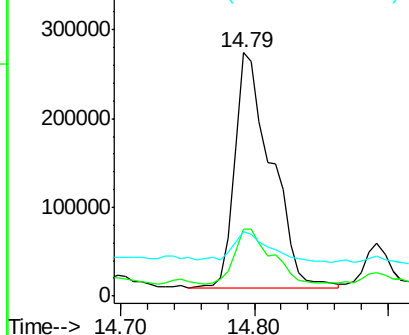


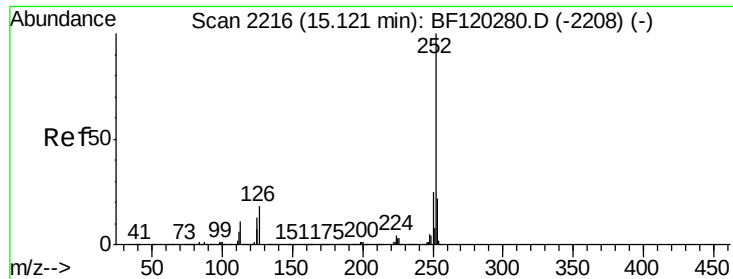
#89
Benzo(k)fluoranthene
Concen: 22.700 ng
RT: 14.79 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BF120333.D
Acq: 15 May 2020 20:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.6	18.2	27.2#
125	26.4	9.9	14.9#



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





#90

Benzo(a)pyrene

Concen: 16.776 ng

RT: 15.13 min Scan# 2217

Delta R.T. 0.02 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

Instrument :

BNA_F

ClientSampleId :

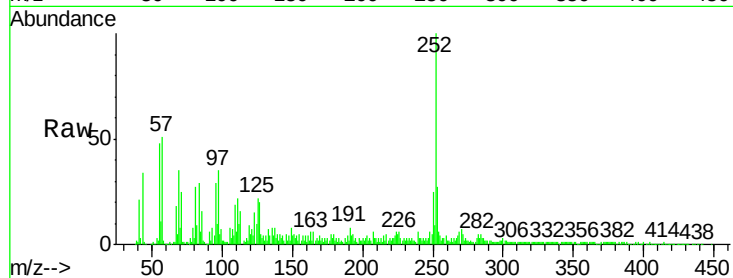
Tot Ion:252 Resp: 384448

Ion Ratio Lower Upper

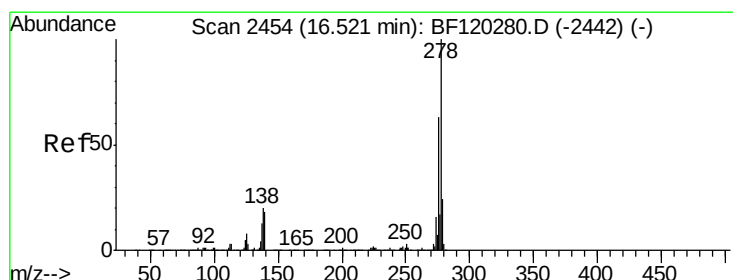
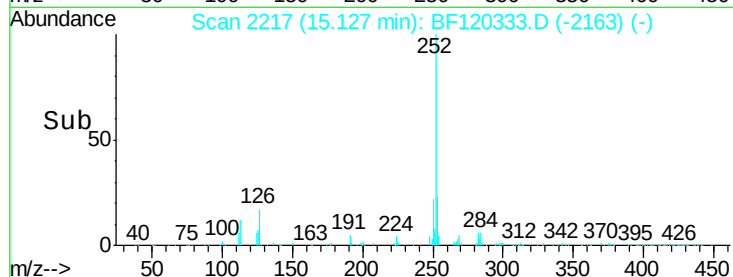
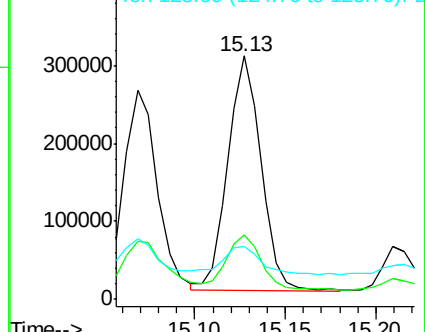
252 100

253 26.7 17.6 26.4#

125 21.8 10.6 16.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 4.046 ng

RT: 16.52 min Scan# 2453

Delta R.T. 0.01 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

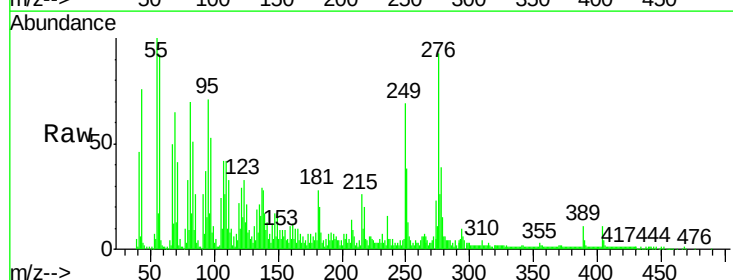
Tgt Ion:278 Resp: 82148

Ion Ratio Lower Upper

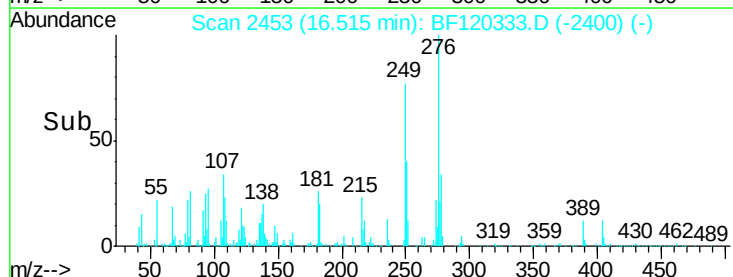
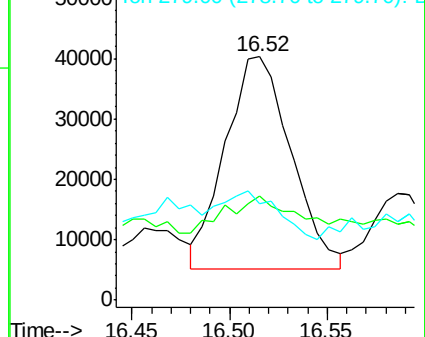
278 100

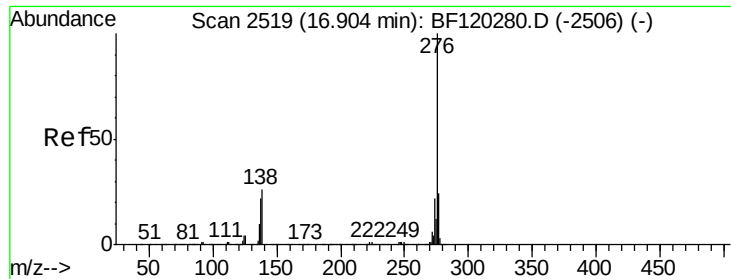
139 42.6 14.7 22.1#

279 39.4 19.2 28.8#



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: 10.912 ng

RT: 16.92 min Scan# 2522

Delta R.T. 0.04 min

Lab File: BF120333.D

Acq: 15 May 2020 20:39

Instrument :

BNA_F

ClientSampleId :

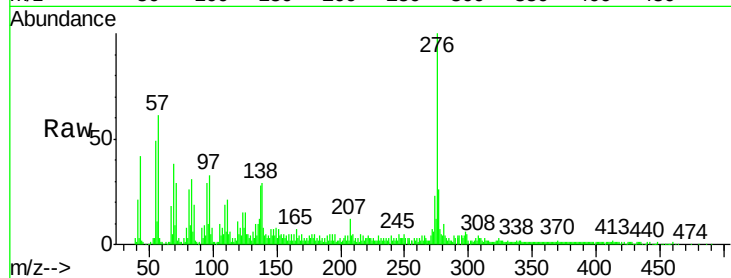
Tot Ion: 276 Resp: 223382

Ion Ratio Lower Upper

276 100

277 26.0 19.1 28.7

138 29.4 20.8 31.2



Abundance Ion 276.00 (275.70 to 276.70): E

150000 Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

