

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071420\
 Data File : BF120864.D
 Acq On : 14 Jul 2020 16:48
 Operator : JU/CG
 Sample : L3181-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-070920

Quant Time: Jul 14 17:11:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 14:16:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	205415	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	771973	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	385732	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	667980	20.00	ng	0.00
76) Chrysene-d12	14.00	240	424433	20.00	ng	0.00
86) Perylene-d12	15.46	264	490470	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	900882	67.70	ng	0.00
7) Phenol-d6	6.45	99	1097924	64.61	ng	-0.01
23) Nitrobenzene-d5	7.39	82	677960	50.88	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	270728	69.86	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1194964	46.87	ng	0.00
79) Terphenyl-d14	12.94	244	995677	45.93	ng	0.00

Target Compounds

						Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	89778	8.774	ng	# 75
25) Isophorone	7.39	82	676012	23.526	ng	# 64
31) Naphthalene	8.13	128	507579	12.303	ng	# 99
32) Benzoic acid	7.89	122	777	4.311	ng	# 23
33) 4-Chloroaniline	8.13	127	66776	3.814	ng	# 34
37) 2-Methylnaphthalene	8.83	142	400838	14.946	ng	# 99
38) 1-Methylnaphthalene	8.93	142	382856	15.240	ng	# 99
46) 1,1'-Biphenyl	9.29	154	90079	2.895	ng	# 99
48) 2-Nitroaniline	9.38	65	2005	2.874	ng	# 24
49) Acenaphthylene	9.73	152	418106	10.699	ng	# 97
50) Dimethylphthalate	9.58	163	189419	6.732	ng	# 99
51) 2,6-Dinitrotoluene	9.56	165	2341	2.676	ng	# 81
52) Acenaphthene	9.90	154	206298	8.509	ng	# 97
53) 3-Nitroaniline	9.85	138	484	2.231	ng	# 61
54) 2,4-Dinitrophenol	10.13	184	113	9.576	ng	# 1
55) Dibenzofuran	10.07	168	316849	9.067	ng	# 96
56) 4-Nitrophenol	9.97	139	7188	3.448	ng	# 27
57) 2,4-Dinitrotoluene	10.07	165	3848	3.592	ng	# 1
58) Fluorene	10.42	166	785076	30.181	ng	# 99
65) 4,6-Dinitro-2-methylphenol	10.61	198	119	7.044	ng	# 1
67) 4-Bromophenyl-phenylether	10.65	248	16284	2.102	ng	# 1
71) Phenanthrene	11.39	178	2871954	79.240	ng	# 99
72) Anthracene	11.43	178	1100056	30.036	ng	# 99
73) Carbazole	11.58	167	285082	8.100	ng	# 99
75) Fluoranthene	12.57	202	2313474	59.920	ng	# 99
78) Pyrene	12.80	202	2323239	68.537	ng	# 99
81) Benzo(a)anthracene	14.02	228	979499	36.002	ng	# 94
83) Chrysene	14.02	228	979499	35.295	ng	# 97
87) Indeno(1,2,3-cd)pyrene	16.90	276	491530	15.624	ng	# 97
88) Benzo(b)fluoranthene	15.03	252	1451239	45.007	ng	# 97
89) Benzo(k)fluoranthene	15.03	252	1451239	46.253	ng	# 97
90) Benzo(a)pyrene	15.40	252	906376	31.511	ng	# 98
91) Dibenzo(a,h)anthracene	17.07	278	122158	4.659	ng	# 94
92) Benzo(g,h,i)perylene	17.33	276	442242	18.455	ng	# 99

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QLast Update : Mon Jul 13 14:16:14 2020
Response via : Initial Calibration

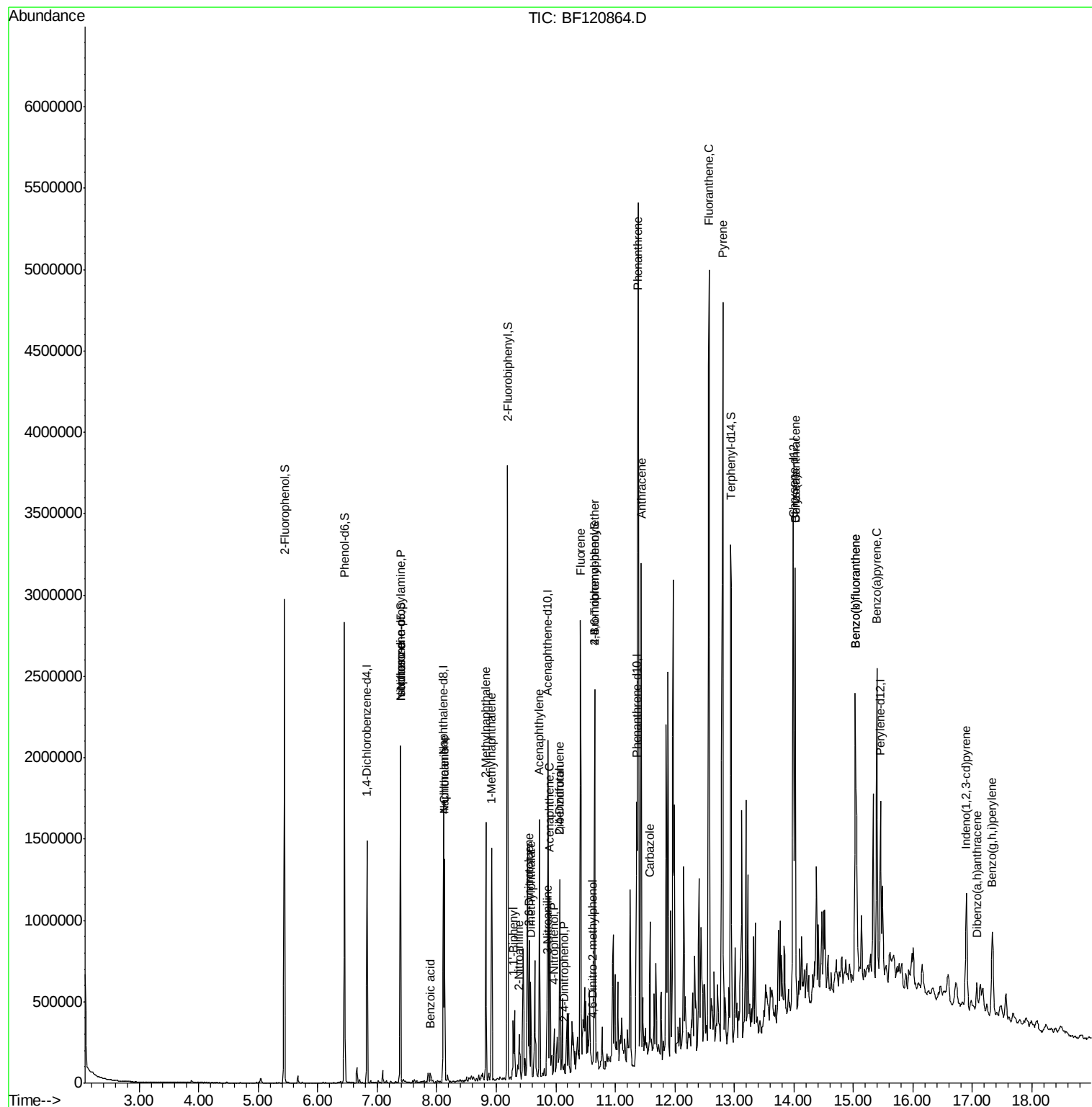
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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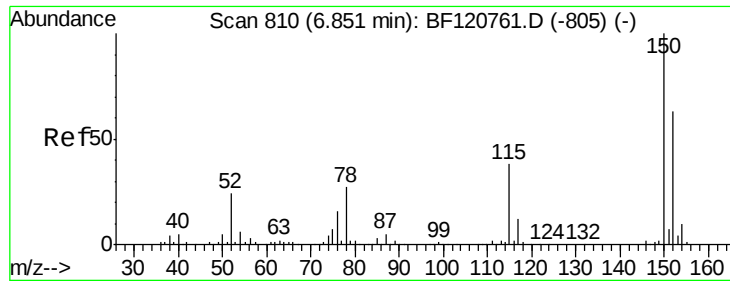
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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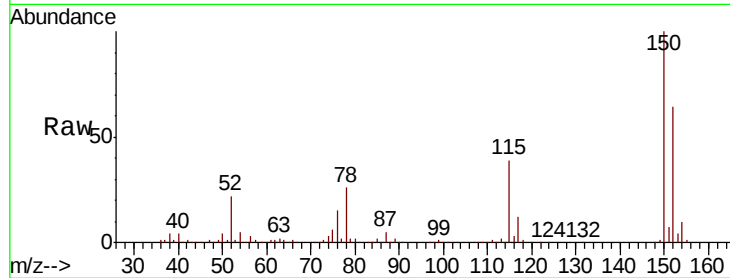


#1

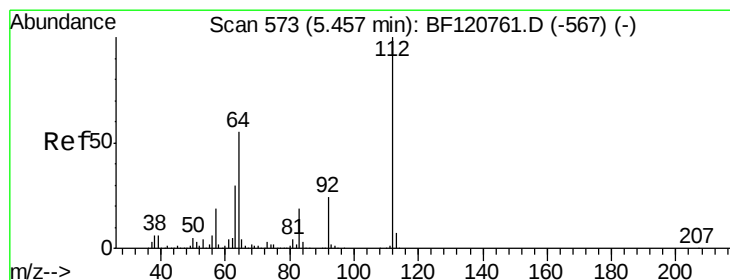
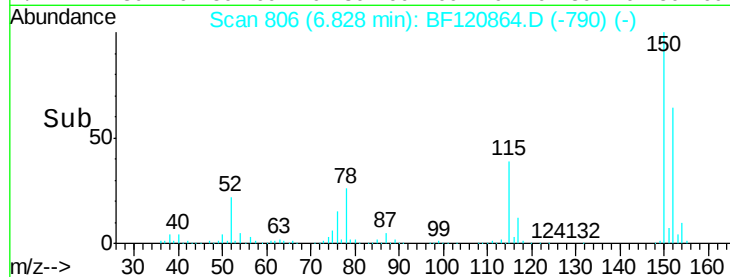
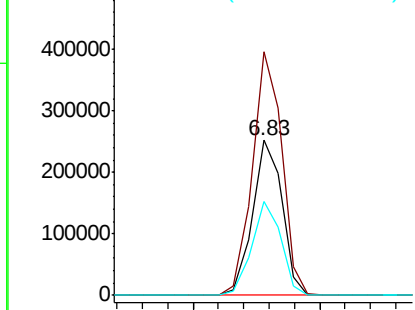
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF120864.D
Acq: 14 Jul 2020 16:48

Instrument :
BNA_F
ClientSampleId :
CL-02-070920

Tot Ion:152 Resp: 205415
Ion Ratio Lower Upper
152 100
150 157.0 126.1 189.1
115 60.7 48.5 72.7



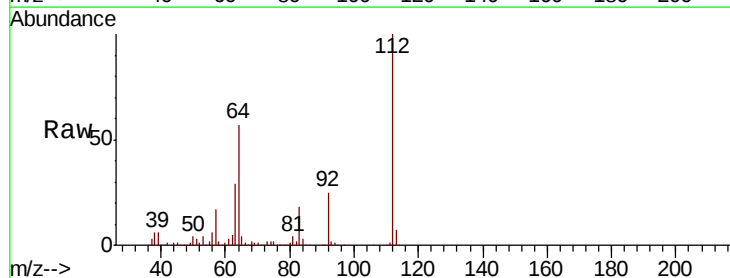
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



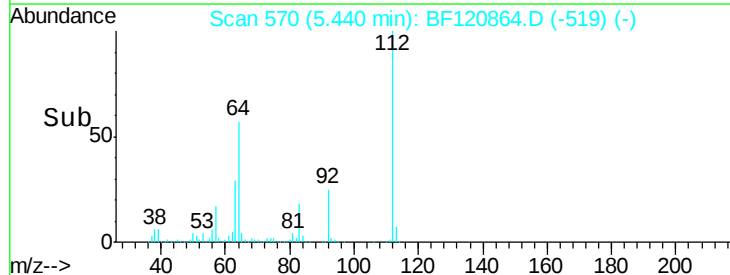
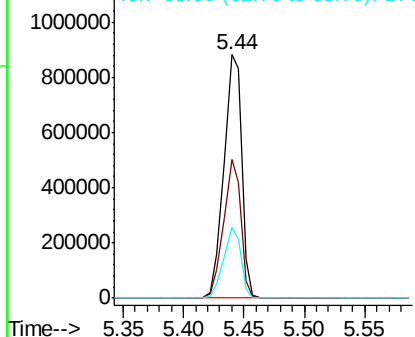
#5

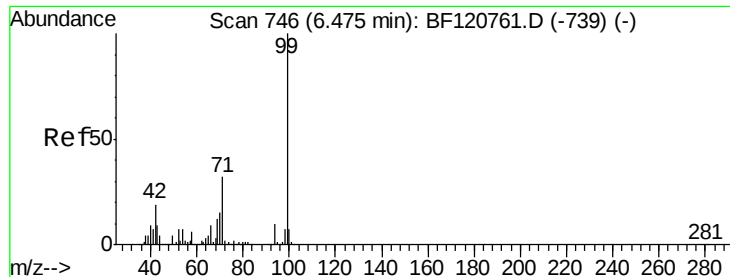
2-Fluorophenol
Concen: 67.699 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF120864.D
Acq: 14 Jul 2020 16:48

Tgt Ion:112 Resp: 900882
Ion Ratio Lower Upper
112 100
64 56.8 43.8 65.6
63 29.0 23.6 35.4



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





#7

Phenol-d6

Concen: 64.608 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF120864.D

Acq: 14 Jul 2020 16:48

Instrument :

BNA_F

ClientSampleId :

CL-02-070920

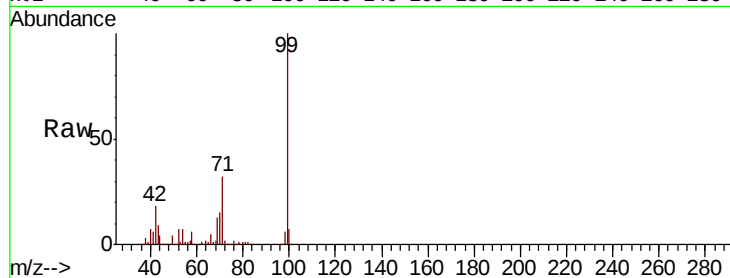
Tot Ion: 99 Resp: 1097924

Ion Ratio Lower Upper

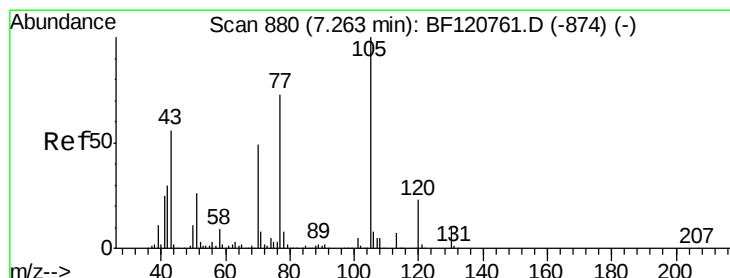
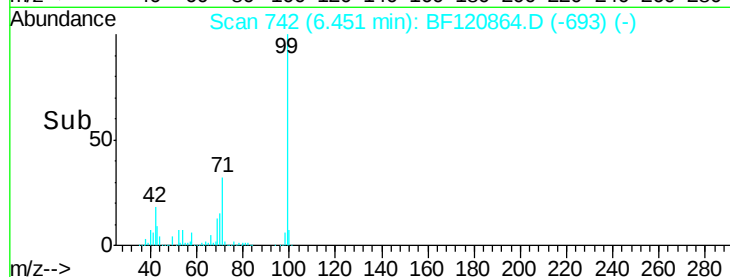
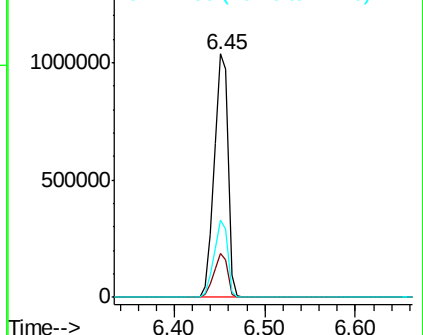
99 100

42 18.0 15.4 23.0

71 31.9 25.9 38.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 8.774 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.14 min

Lab File: BF120864.D

Acq: 14 Jul 2020 16:48

Tgt Ion: 70 Resp: 89778

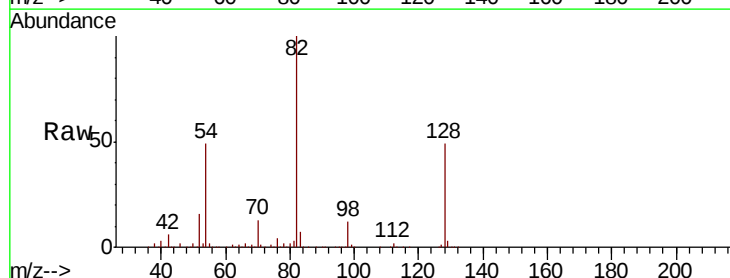
Ion Ratio Lower Upper

70 100

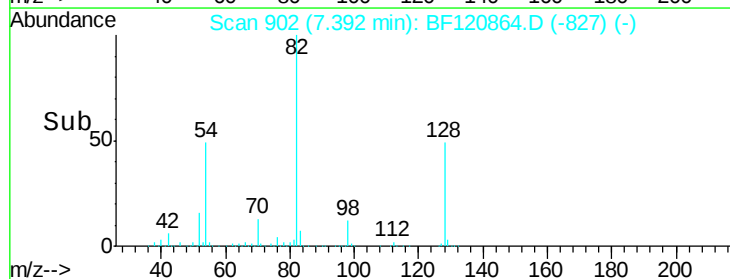
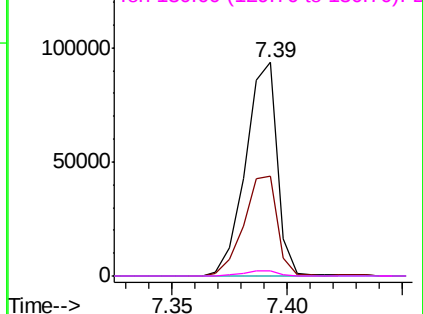
42 46.7 50.3 75.5#

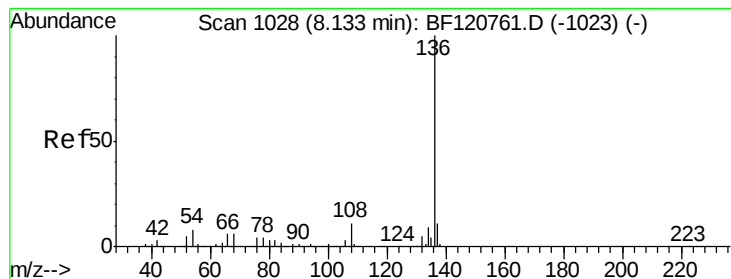
101 0.0 7.5 11.3#

130 2.4 16.1 24.1#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF120864.D

Acq: 14 Jul 2020 16:48

Instrument :

BNA_F

ClientSampleId :

CL-02-070920

Tot Ion:136 Resp: 771973

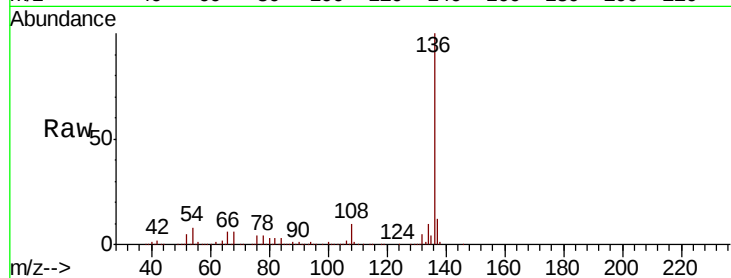
Ion Ratio Lower Upper

136 100

137 11.7 9.0 13.6

54 8.4 6.2 9.4

68 6.3 4.7 7.1

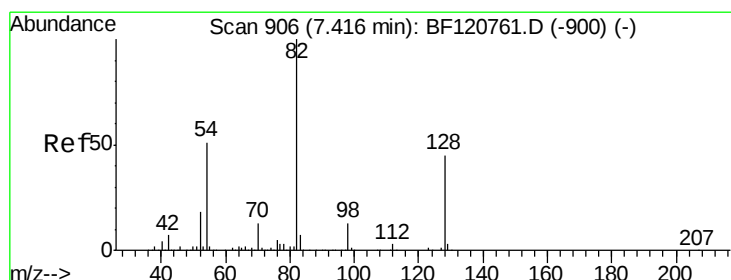
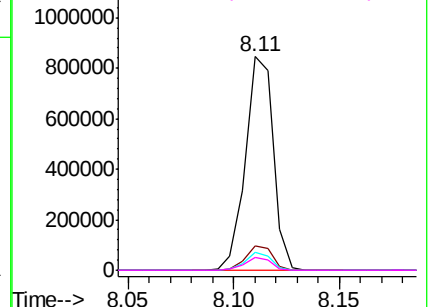
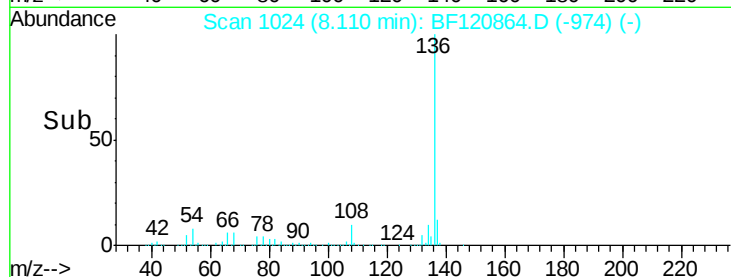


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 50.882 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF120864.D

Acq: 14 Jul 2020 16:48

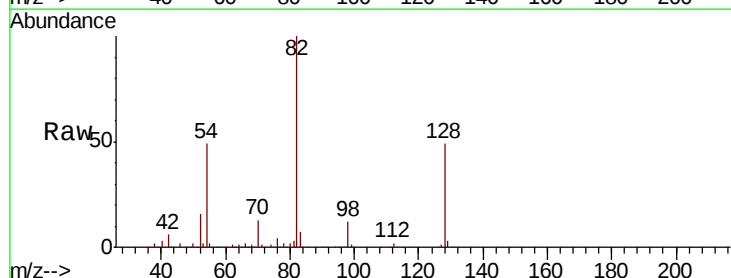
Tgt Ion: 82 Resp: 677960

Ion Ratio Lower Upper

82 100

128 49.0 35.7 53.5

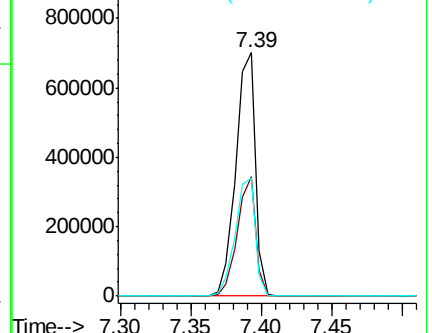
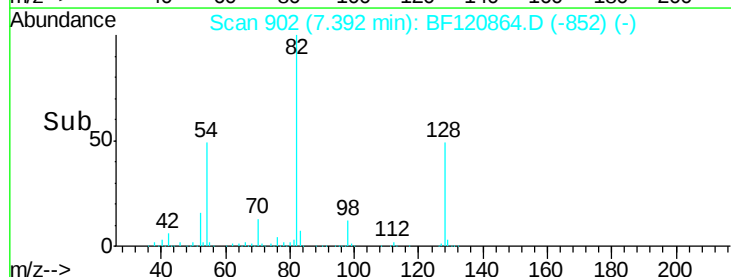
54 48.7 40.9 61.3

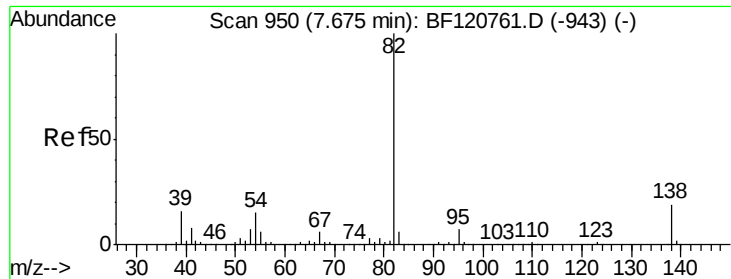


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 23.526 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF120864.D

Acq: 14 Jul 2020 16:48

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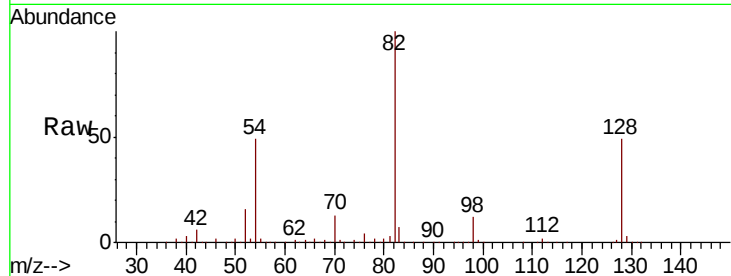
Tot Ion: 82 Resp: 676012

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

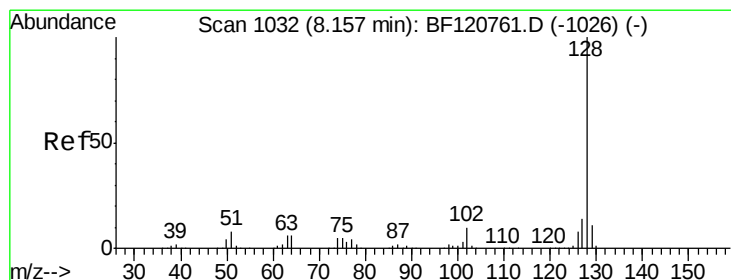
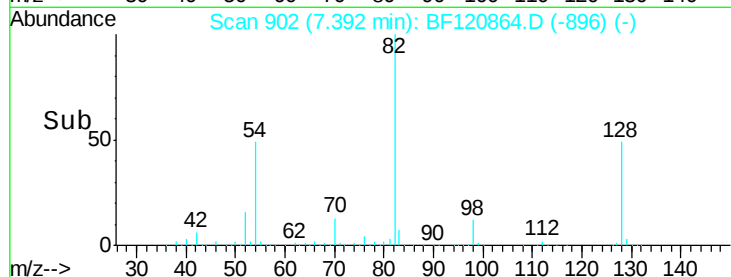
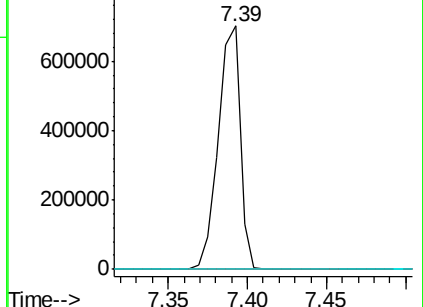
138 0.0 15.0 22.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 12.303 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF120864.D

Acq: 14 Jul 2020 16:48

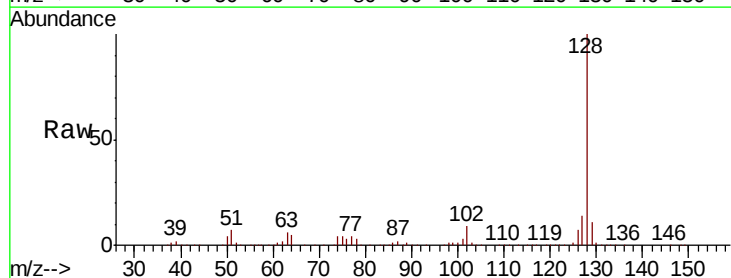
Tgt Ion: 128 Resp: 507579

Ion Ratio Lower Upper

128 100

129 11.4 9.2 13.8

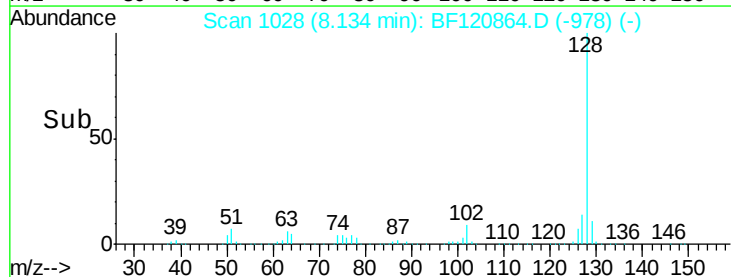
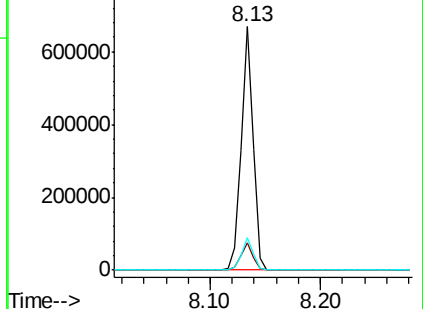
127 13.5 11.1 16.7

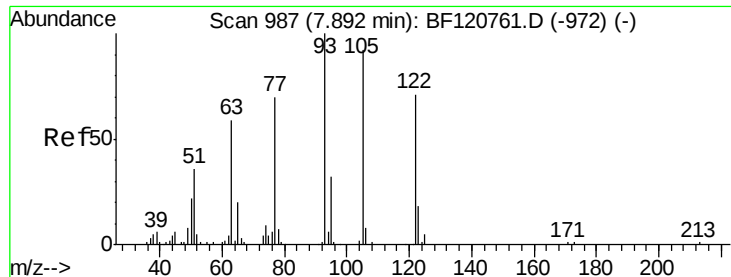


Abundance Ion 128.00 (127.70 to 128.70): BF1

Ion 129.00 (128.70 to 129.70): BF1

Ion 127.00 (126.70 to 127.70): BF1

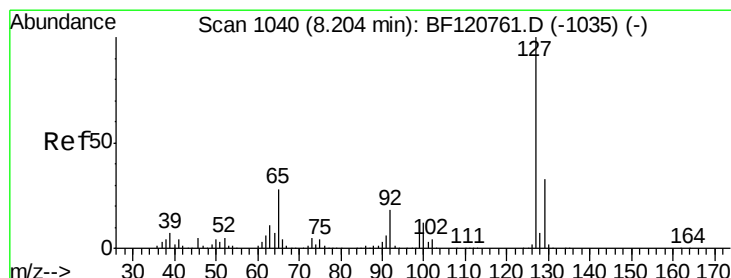
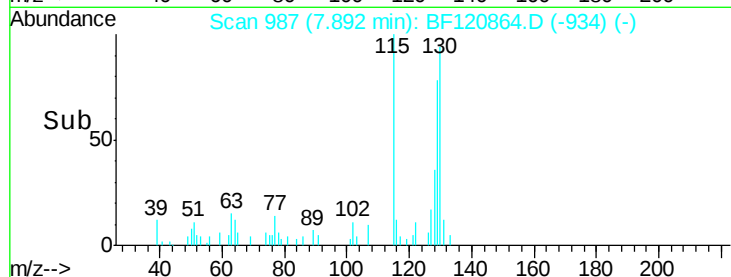
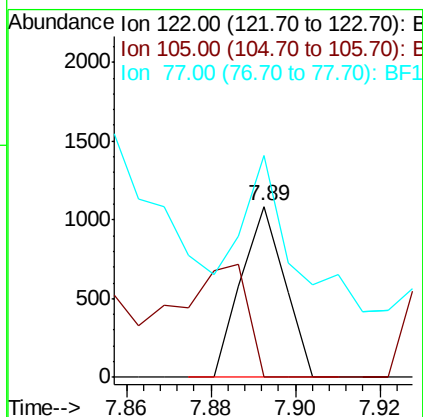
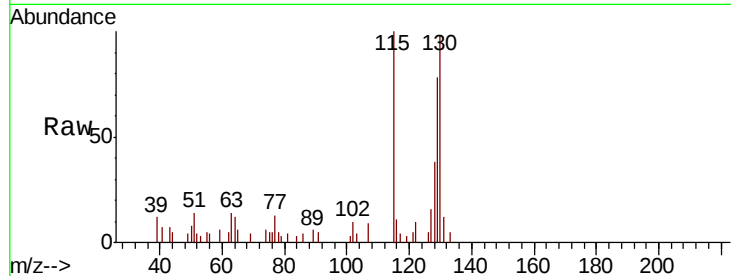




#32
Benzoic acid
Concen: 4.311 ng
RT: 7.89 min Scan# 987
Delta R.T. 0.01 min
Lab File: BF120864.D
Acq: 14 Jul 2020 16:48

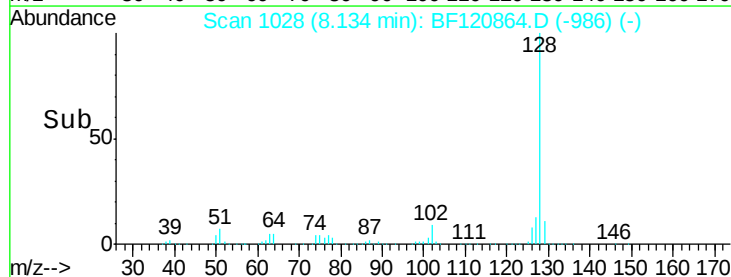
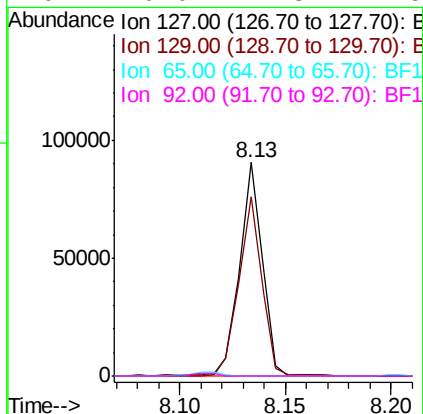
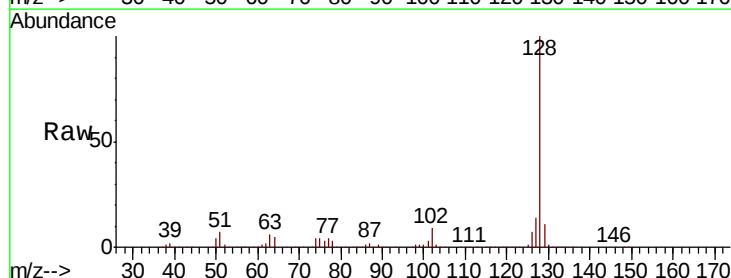
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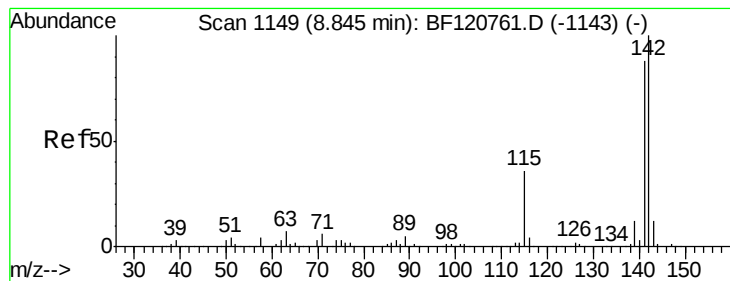
Tot Ion:122 Resp: 777
Ion Ratio Lower Upper
122 100
105 0.0 105.8 145.8#
77 130.0 77.3 117.3#



#33
4-Chloroaniline
Concen: 3.814 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.05 min
Lab File: BF120864.D
Acq: 14 Jul 2020 16:48

Tgt Ion:127 Resp: 66776
Ion Ratio Lower Upper
127 100
129 83.9 26.6 39.8#
65 0.0 22.7 34.1#
92 0.0 14.3 21.5#





#37

2-Methylnaphthalene

Concen: 14.946 ng

RT: 8.83 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF120864.D

Acq: 14 Jul 2020 16:48

Instrument :

BNA_F

ClientSampleId :

CL-02-070920

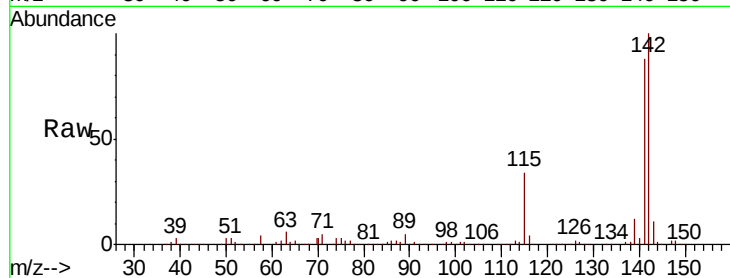
Tot Ion:142 Resp: 400838

Ion Ratio Lower Upper

142 100

141 88.2 70.2 105.4

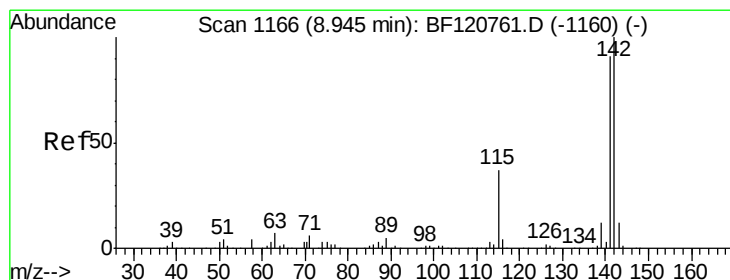
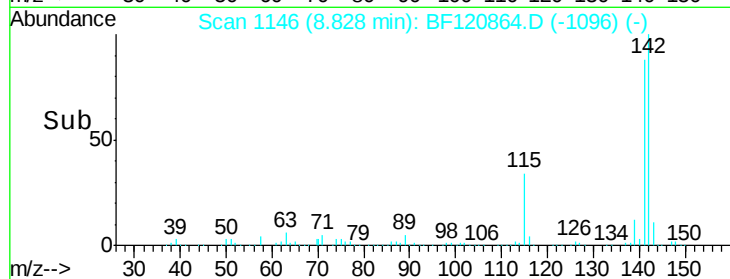
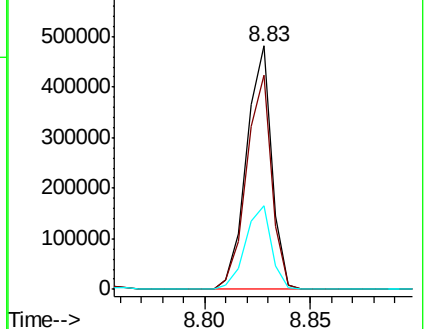
115 34.4 29.0 43.4



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: 15.240 ng

RT: 8.93 min Scan# 1163

Delta R.T. -0.01 min

Lab File: BF120864.D

Acq: 14 Jul 2020 16:48

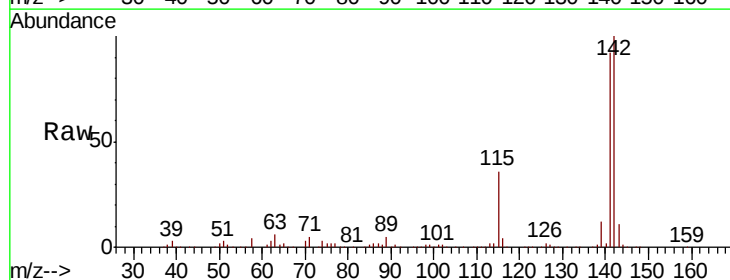
Tgt Ion:142 Resp: 382856

Ion Ratio Lower Upper

142 100

141 92.0 72.5 108.7

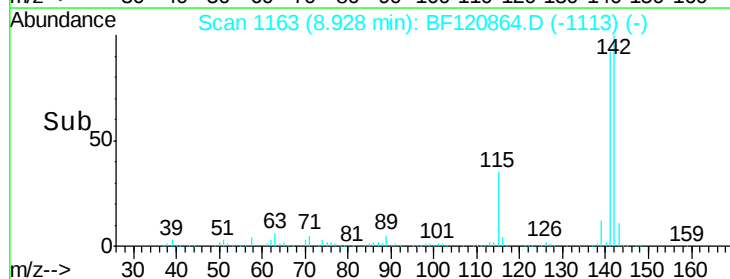
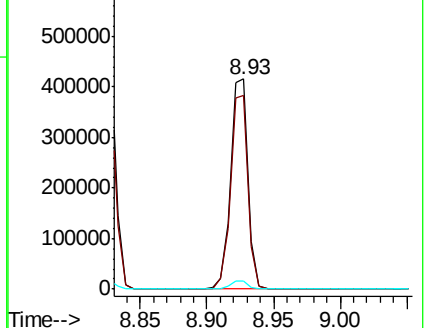
116 3.7 3.1 4.7

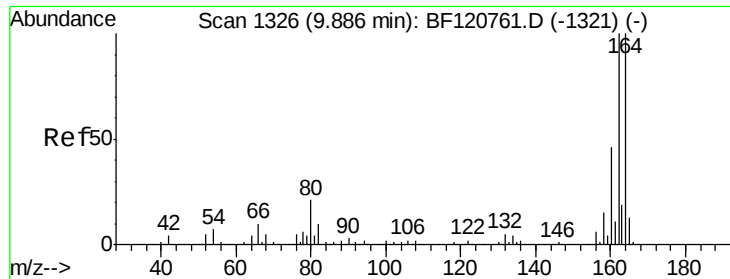


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

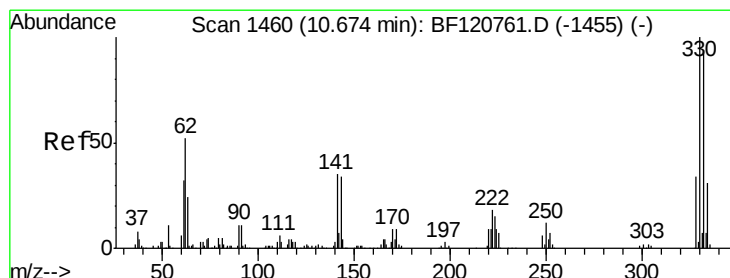
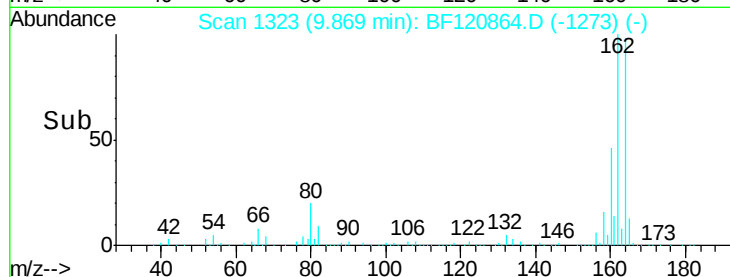
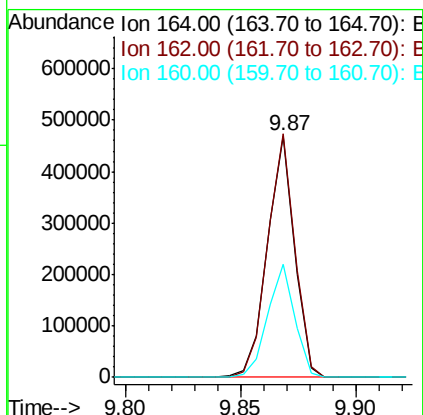
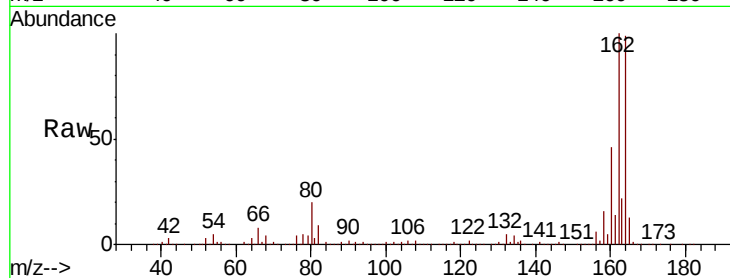




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: BF120864.D
 Acq: 14 Jul 2020 16:48

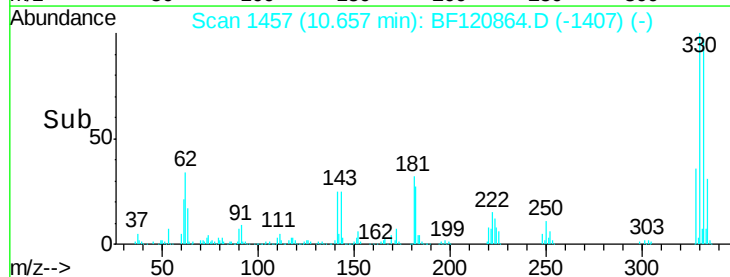
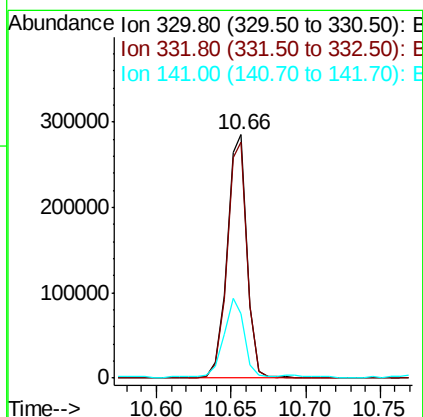
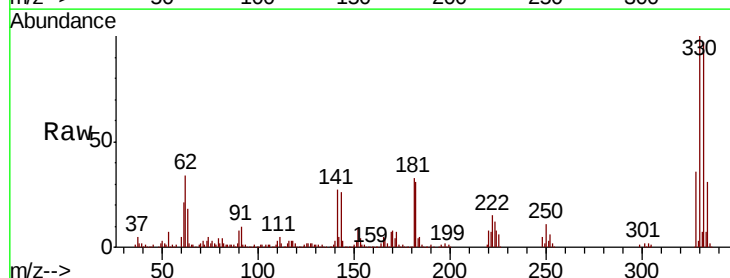
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-070920

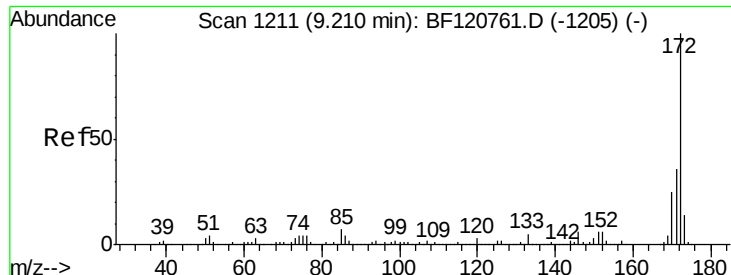
Tot Ion:164 Resp: 385732
 Ion Ratio Lower Upper
 164 100
 162 100.8 80.2 120.2
 160 46.6 36.9 55.3



#42
 2,4,6-Tribromophenol
 Concen: 69.861 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF120864.D
 Acq: 14 Jul 2020 16:48

Tgt Ion:330 Resp: 270728
 Ion Ratio Lower Upper
 330 100
 332 97.3 75.8 113.6
 141 32.9 29.7 44.5



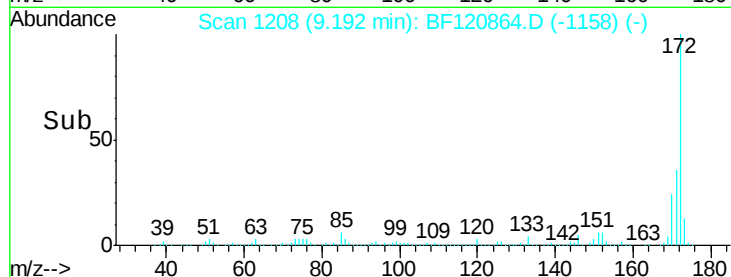
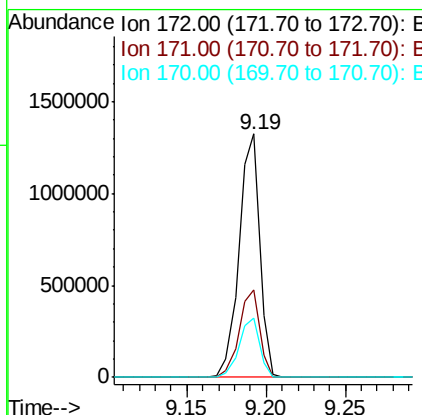
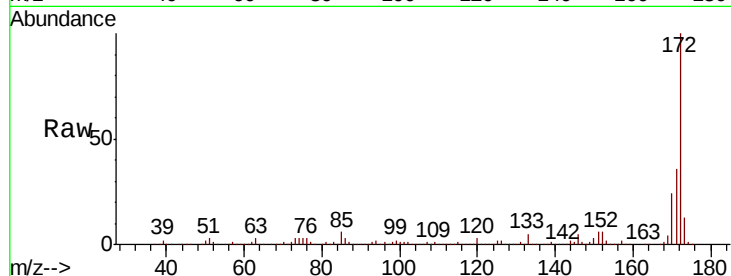


#45
 2-Fluorobiphenyl
 Concen: 46.870 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF120864.D
 Acq: 14 Jul 2020 16:48

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-070920

Tot Ion:172 Resp: 1194964

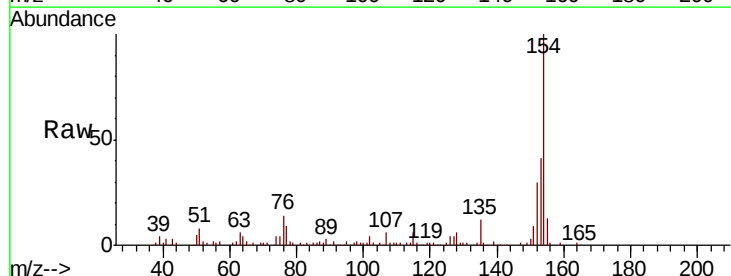
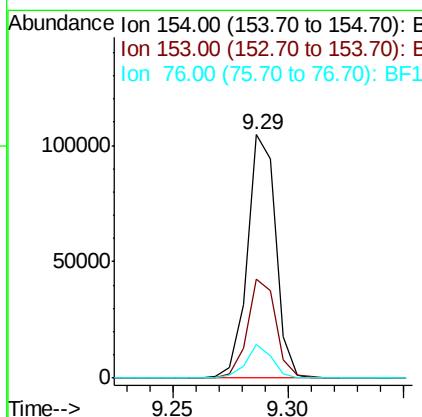
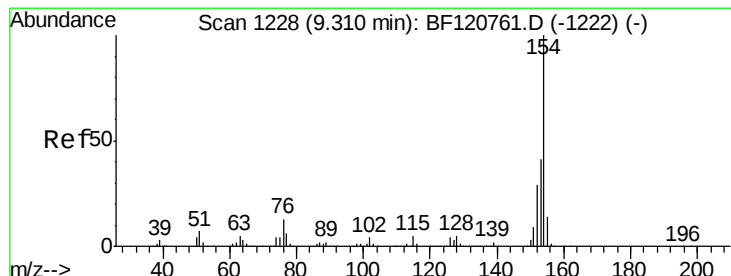
Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.1	43.7
170	24.5	19.8	29.6

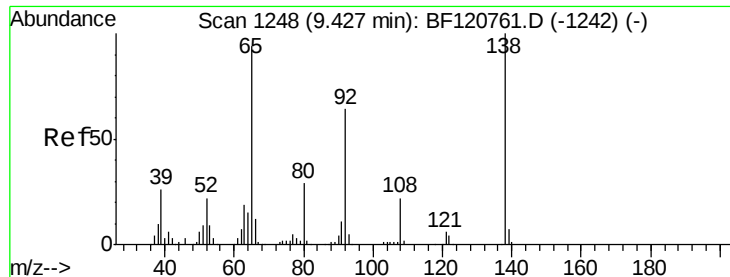


#46
 1,1'-Biphenyl
 Concen: 2.895 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: BF120864.D
 Acq: 14 Jul 2020 16:48

Tgt Ion:154 Resp: 90079

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.7	60.7
76	14.0	0.0	33.3

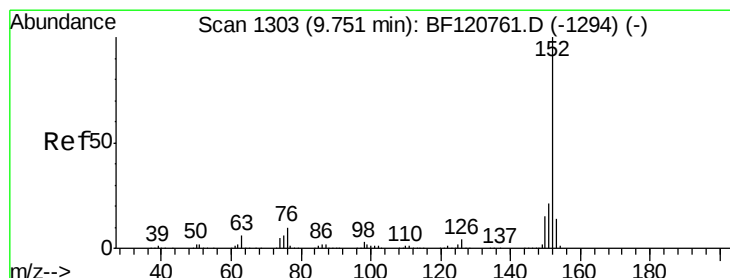
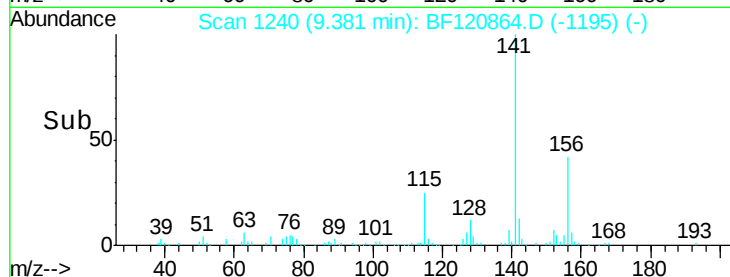
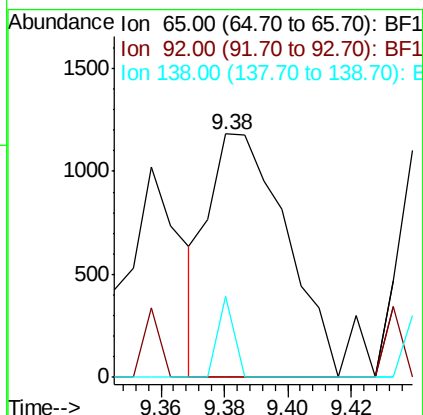
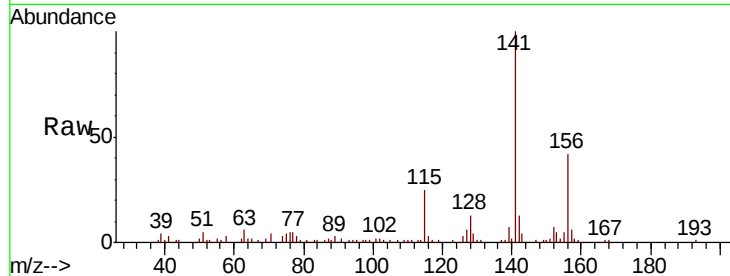




#48
2-Nitroaniline
Concen: 2.874 ng
RT: 9.38 min Scan# 1240
Delta R.T. -0.04 min
Lab File: BF120864.D
Acq: 14 Jul 2020 16:48

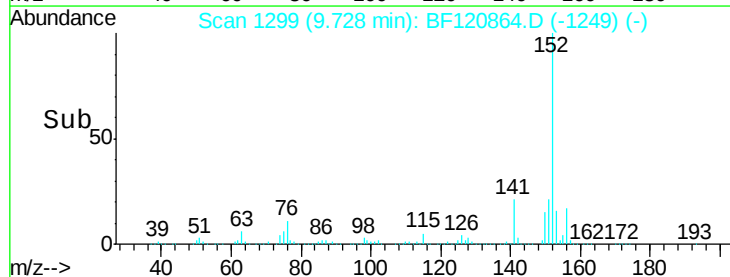
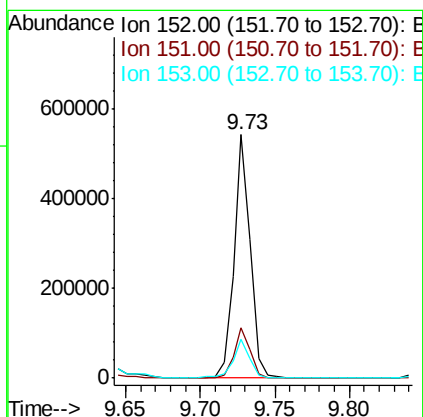
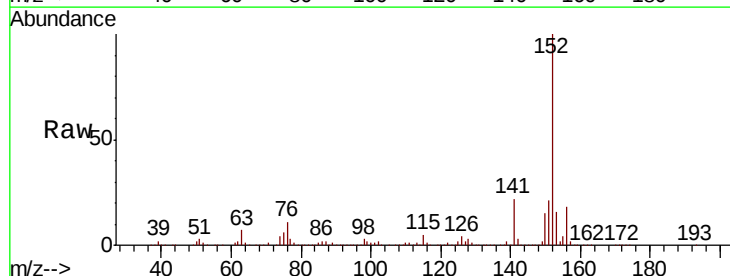
Instrument :
BNA_F
ClientSampleId :
CL-02-070920

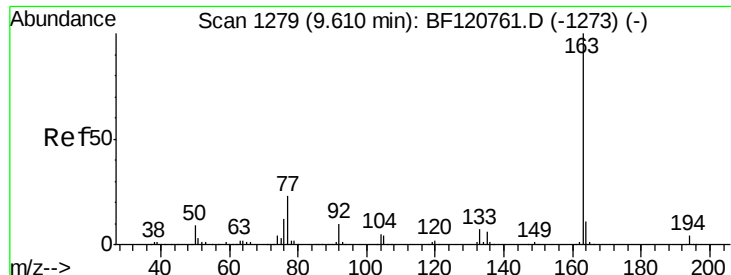
Tot Ion: 65 Resp: 2005
Ion Ratio Lower Upper
65 100
92 0.0 54.4 81.6#
138 33.1 84.7 127.1#



#49
Acenaphthylene
Concen: 10.699 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF120864.D
Acq: 14 Jul 2020 16:48

Tgt Ion:152 Resp: 418106
Ion Ratio Lower Upper
152 100
151 20.5 16.9 25.3
153 15.8 10.8 16.2

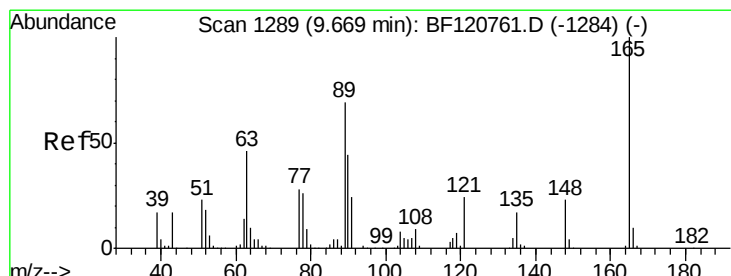
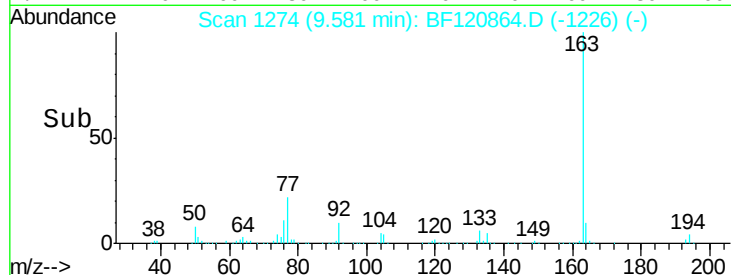
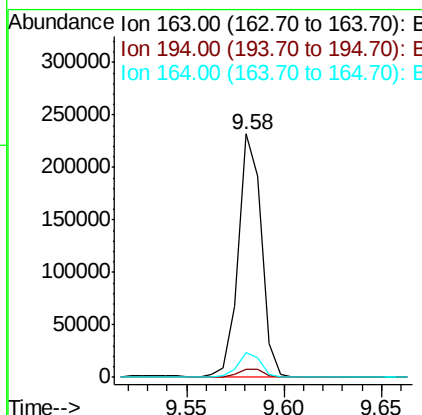
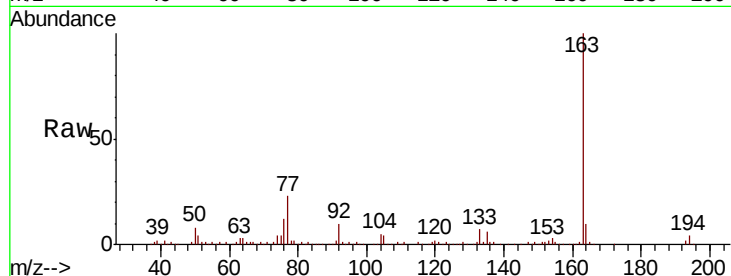




#50
Dimethylphthalate
Concen: 6.732 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF120864.D
Acq: 14 Jul 2020 16:48

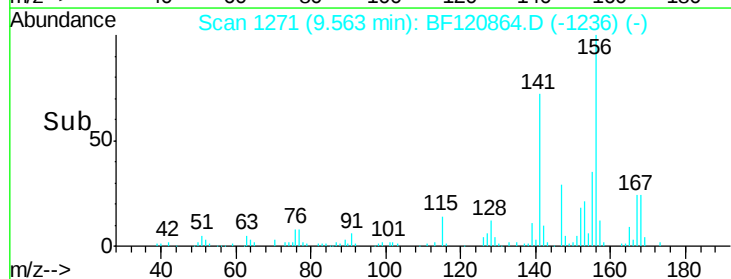
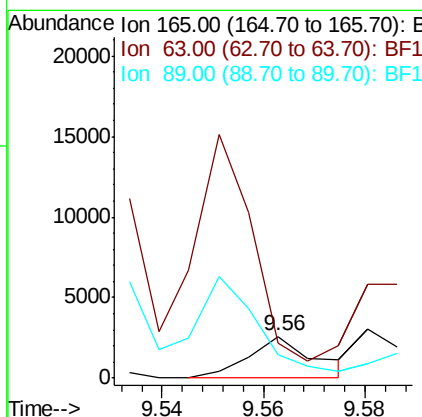
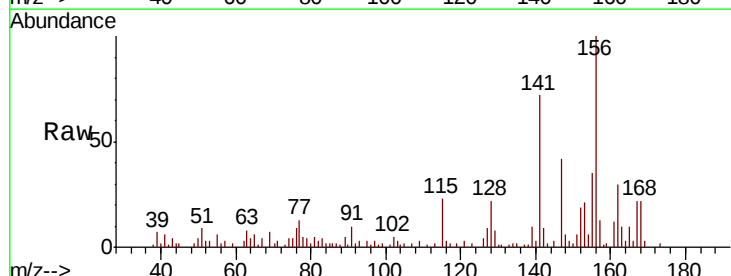
Instrument :
BNA_F
ClientSampleId :
CL-02-070920

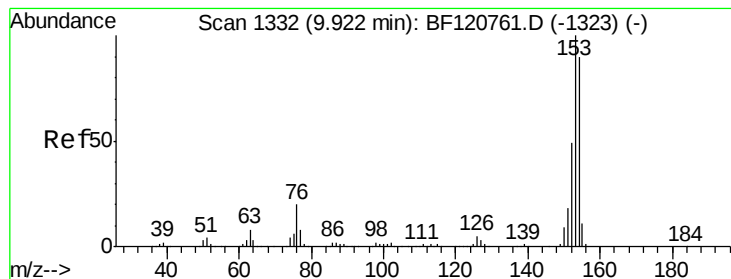
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.9	4.3
164	10.3	8.5	12.7



#51
2,6-Dinitrotoluene
Concen: 2.676 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.09 min
Lab File: BF120864.D
Acq: 14 Jul 2020 16:48

Tgt Ion	Ratio	Lower	Upper
165	100		
63	84.8	54.0	81.0#
89	56.4	55.4	83.2





#52

Acenaphthene

Concen: 8.509 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF120864.D

Acq: 14 Jul 2020 16:48

Instrument :

BNA_F

ClientSampleId :

CL-02-070920

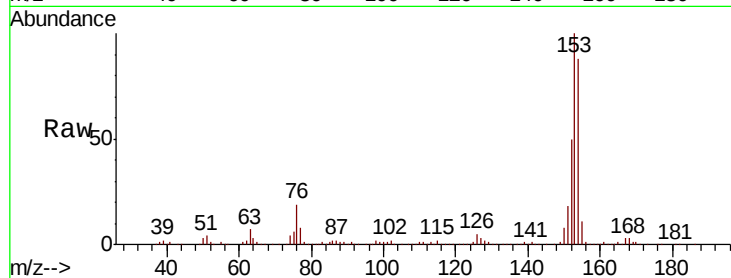
Tot Ion:154 Resp: 206298

Ion Ratio Lower Upper

154 100

153 114.0 88.6 132.8

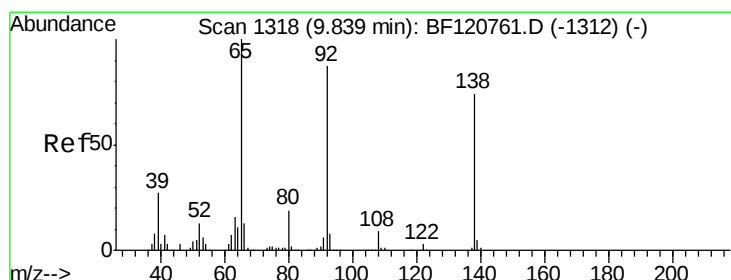
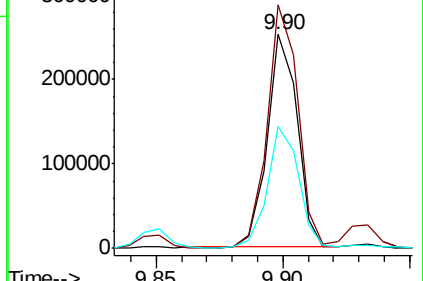
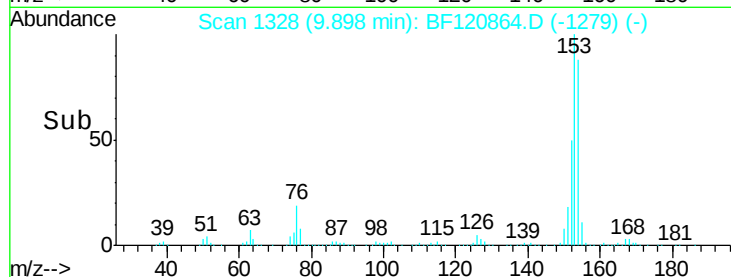
152 57.0 43.6 65.4



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



#53

3-Nitroaniline

Concen: 2.231 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.02 min

Lab File: BF120864.D

Acq: 14 Jul 2020 16:48

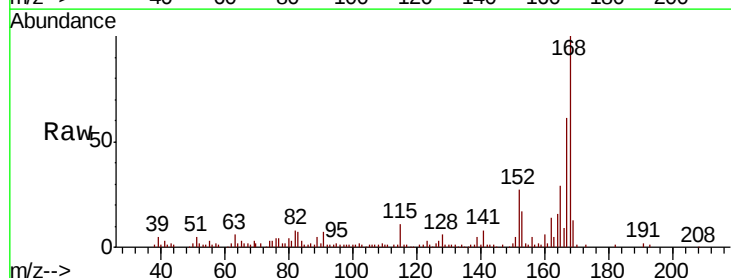
Tgt Ion:138 Resp: 484

Ion Ratio Lower Upper

138 100

108 98.5 9.8 14.6#

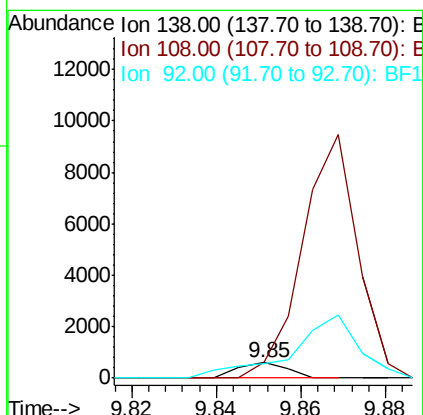
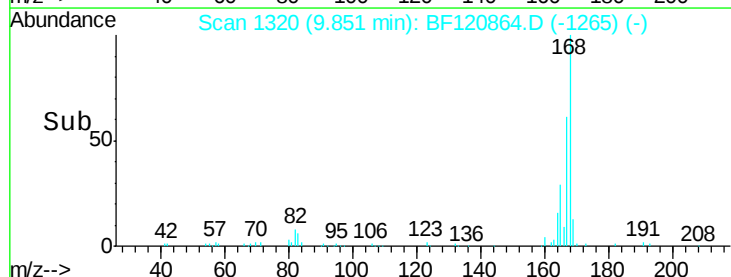
92 94.5 93.4 140.2

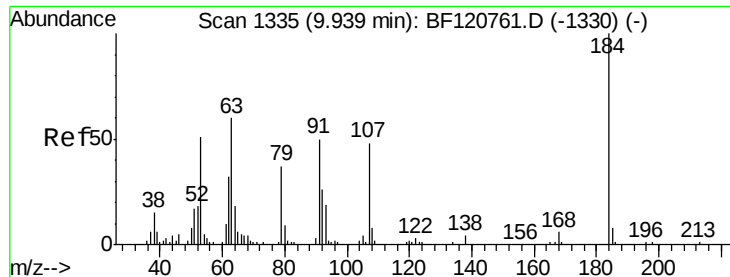


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

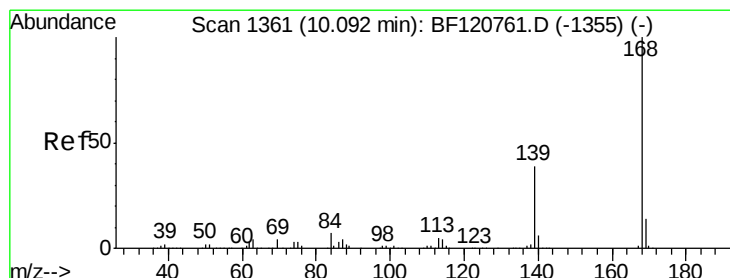
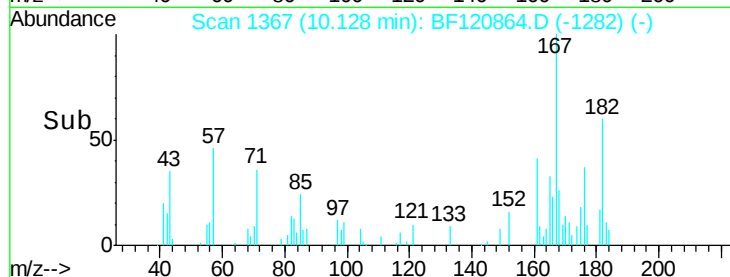
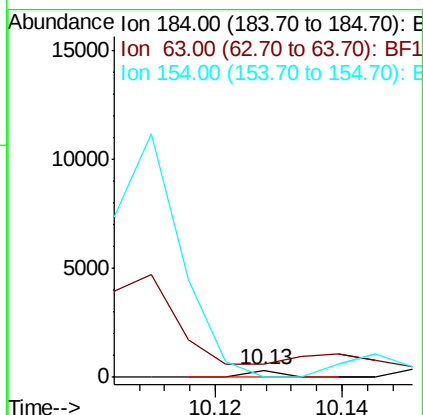
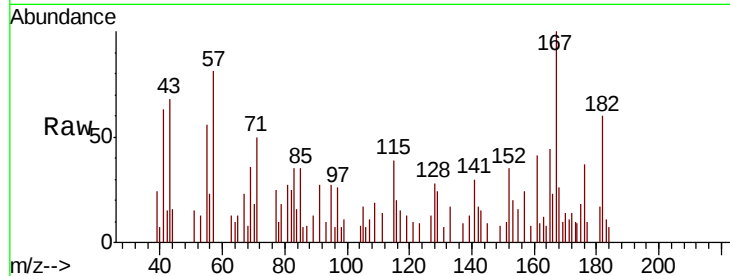




#54
 2,4-Dinitrophenol
 Concen: 9.576 ng
 RT: 10.13 min Scan# 1367
 Delta R.T. 0.20 min
 Lab File: BF120864.D
 Acq: 14 Jul 2020 16:48

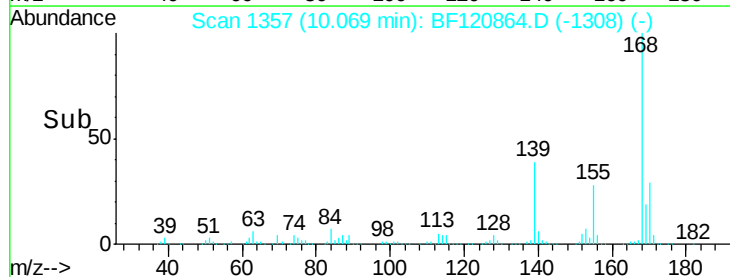
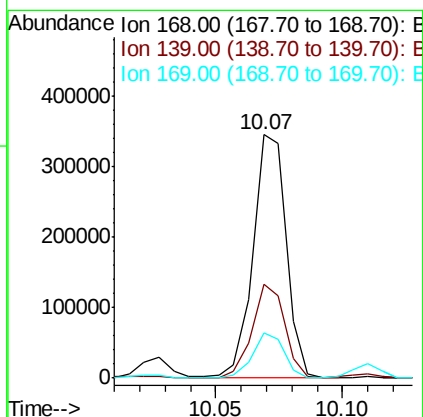
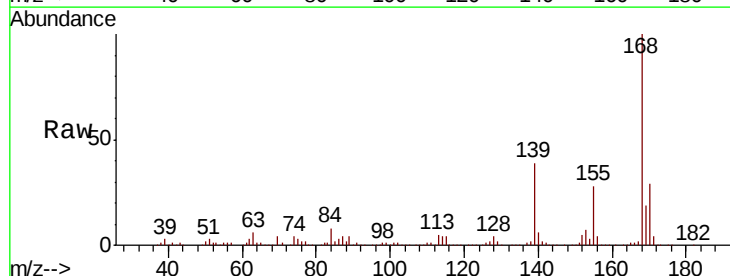
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-070920

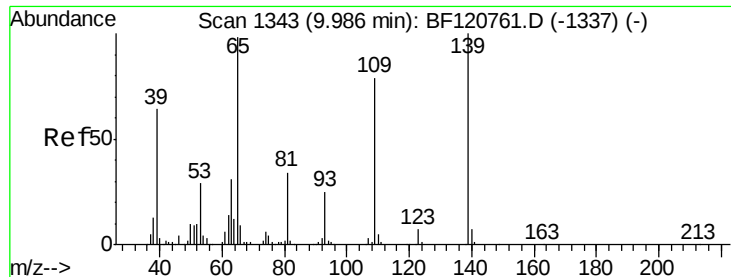
Tot Ion:184 Resp: 113
 Ion Ratio Lower Upper
 184 100
 63 182.1 57.3 85.9#
 154 0.0 55.8 83.6#



#55
 Dibenzofuran
 Concen: 9.067 ng
 RT: 10.07 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: BF120864.D
 Acq: 14 Jul 2020 16:48

Tgt Ion:168 Resp: 316849
 Ion Ratio Lower Upper
 168 100
 139 38.6 31.3 46.9
 169 18.6 11.2 16.8#

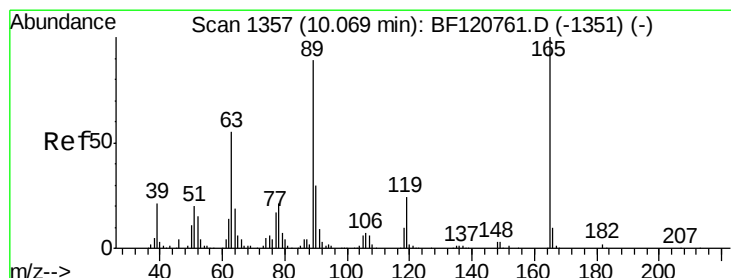
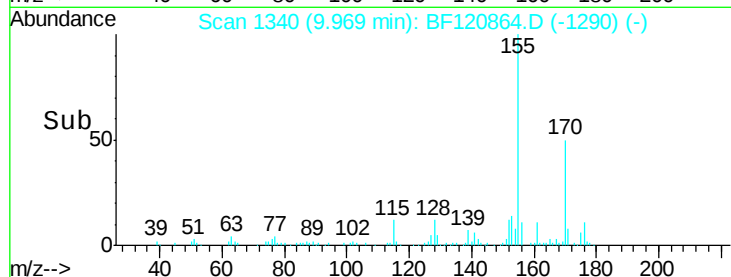
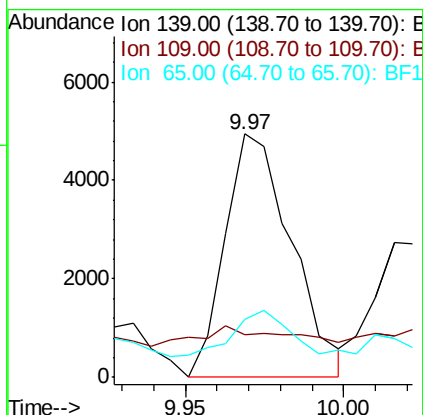
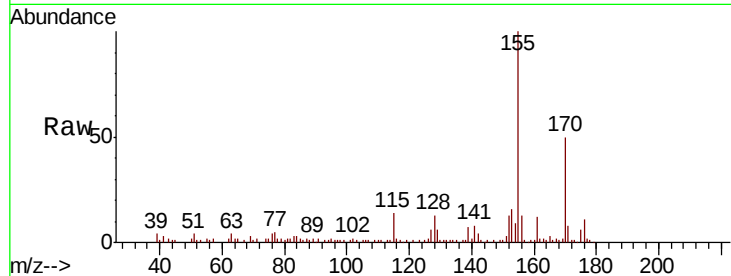




#56
4-Nitrophenol
Concen: 3.448 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF120864.D
Acq: 14 Jul 2020 16:48

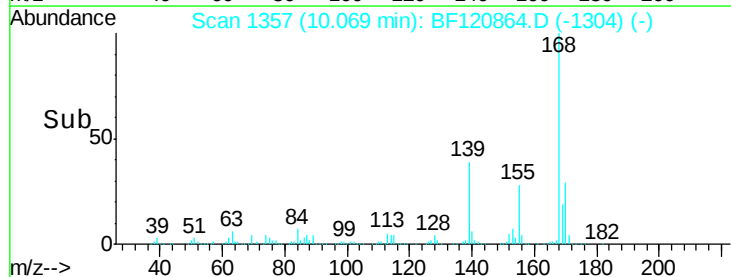
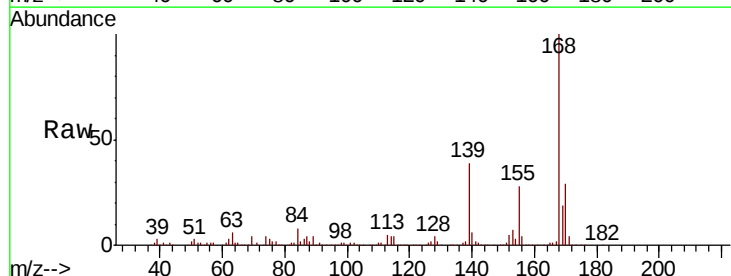
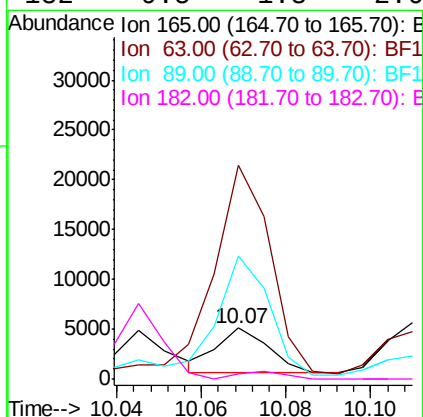
Instrument :
BNA_F
ClientSampleId :
CL-02-070920

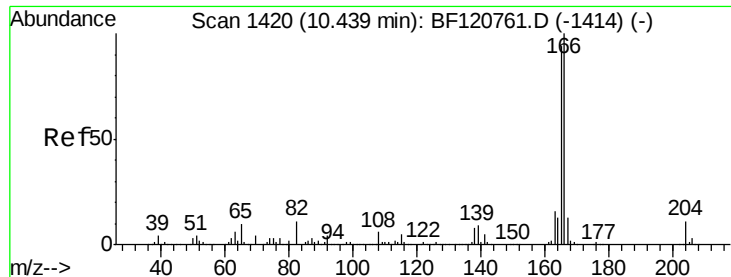
Tot Ion:139 Resp: 7188
Ion Ratio Lower Upper
139 100
109 17.8 58.6 98.6#
65 24.0 78.7 118.7#



#57
2,4-Dinitrotoluene
Concen: 3.592 ng
RT: 10.07 min Scan# 1357
Delta R.T. 0.01 min
Lab File: BF120864.D
Acq: 14 Jul 2020 16:48

Tgt Ion:165 Resp: 3848
Ion Ratio Lower Upper
165 100
63 417.6 43.8 65.8#
89 239.1 71.4 107.2#
182 9.5 1.8 2.6#





#58

Fluorene

Concen: 30.181 ng

RT: 10.42 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BF120864.D

Acq: 14 Jul 2020 16:48

Instrument :

BNA_F

ClientSampleId :

CL-02-070920

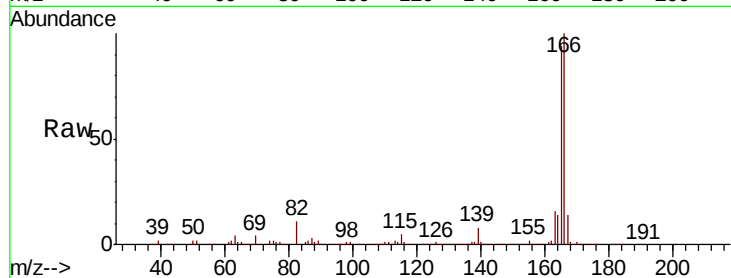
Tot Ion:166 Resp: 785076

Ion Ratio Lower Upper

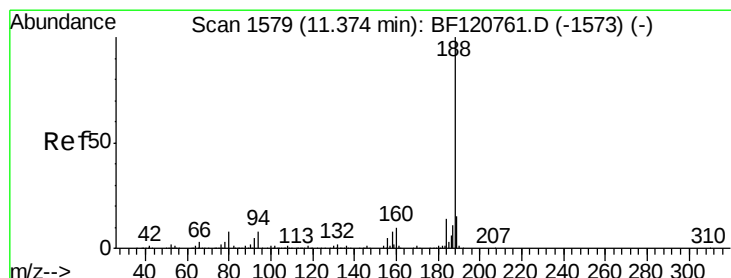
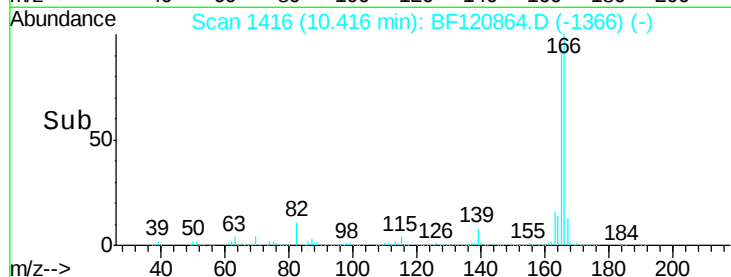
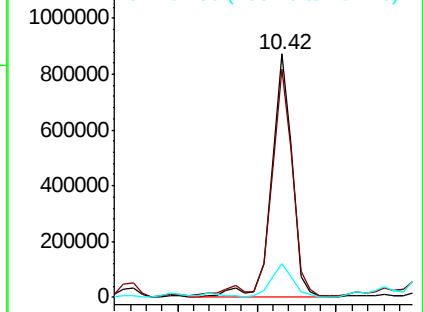
166 100

165 94.0 75.5 113.3

167 14.0 10.6 16.0



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. 0.00 min

Lab File: BF120864.D

Acq: 14 Jul 2020 16:48

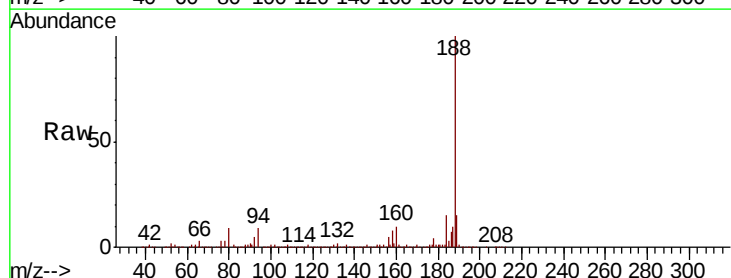
Tgt Ion:188 Resp: 667980

Ion Ratio Lower Upper

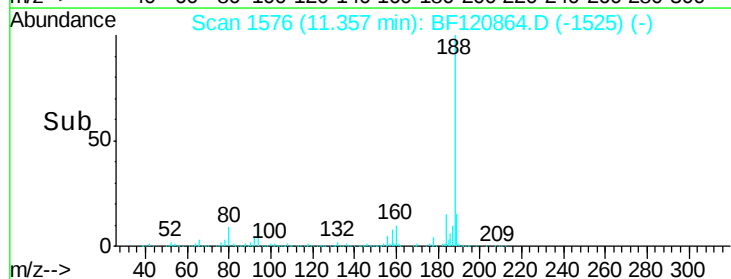
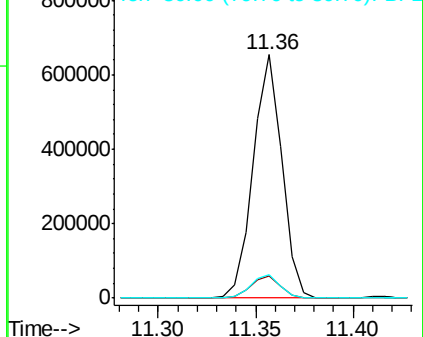
188 100

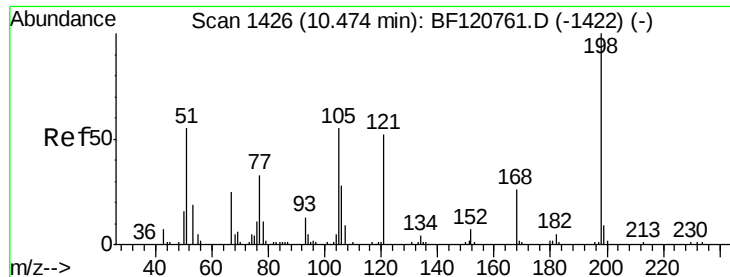
94 9.3 6.6 9.8

80 9.5 6.6 10.0



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

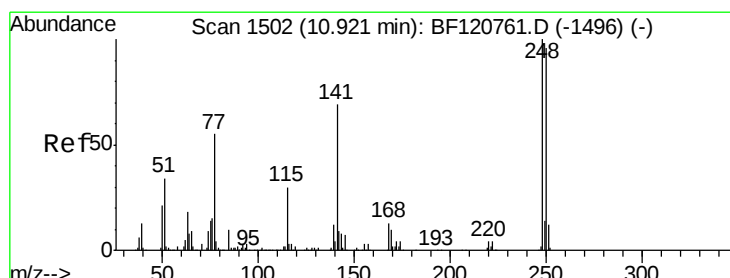
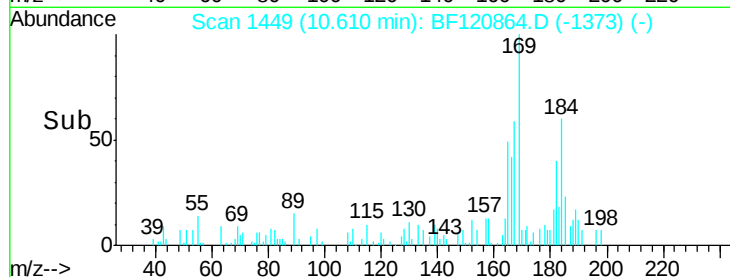
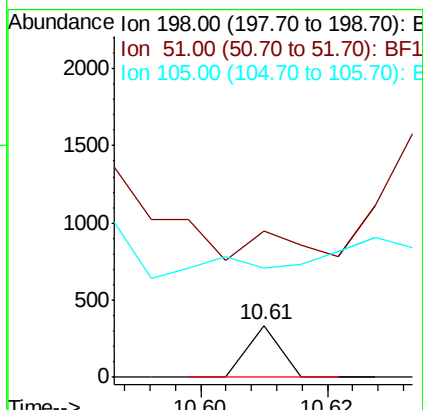
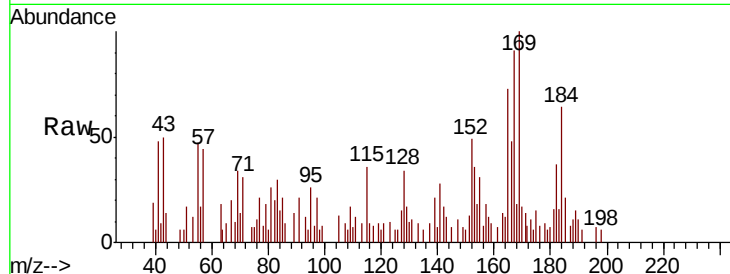




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.044 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. 0.15 min
 Lab File: BF120864.D
 Acq: 14 Jul 2020 16:48

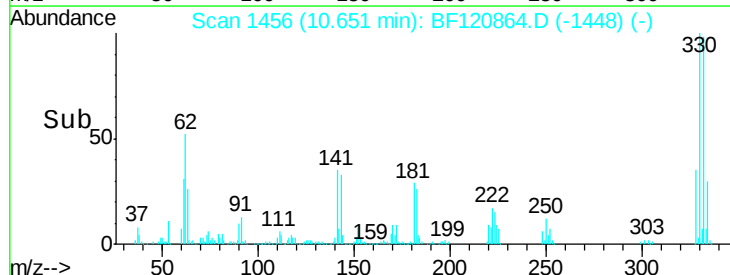
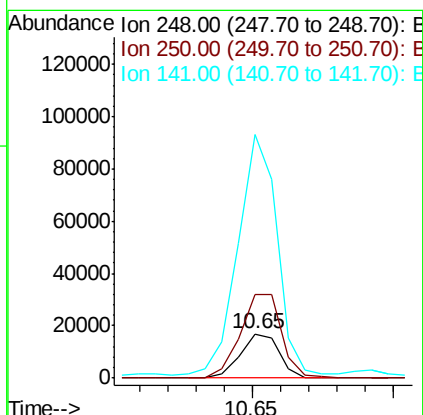
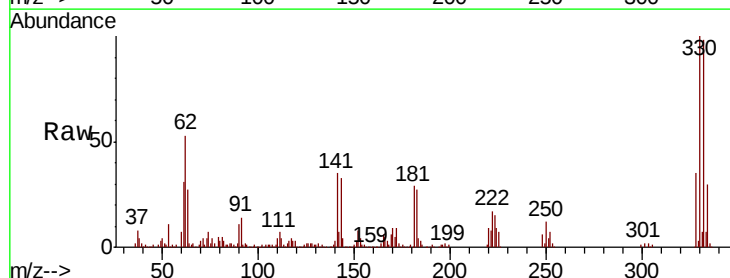
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-070920

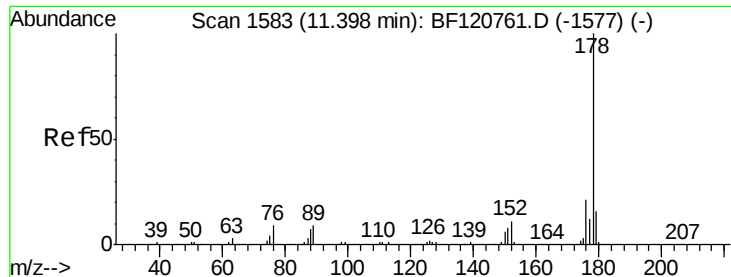
Tot Ion:198 Resp: 119
 Ion Ratio Lower Upper
 198 100
 51 282.2 50.0 90.0#
 105 209.5 38.3 78.3#



#67
 4-Bromophenyl-phenylether
 Concen: 2.102 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.25 min
 Lab File: BF120864.D
 Acq: 14 Jul 2020 16:48

Tgt Ion:248 Resp: 16284
 Ion Ratio Lower Upper
 248 100
 250 189.0 76.5 114.7#
 141 549.0 54.9 82.3#

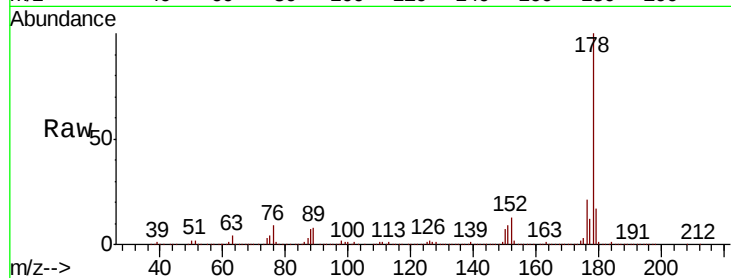




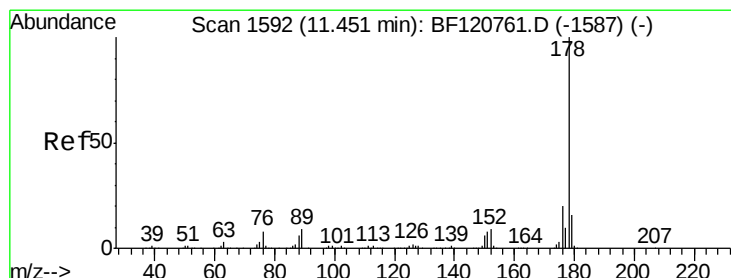
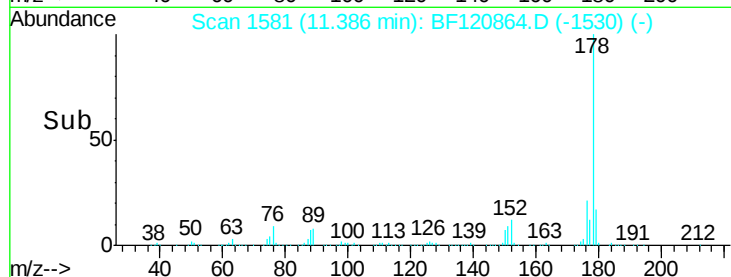
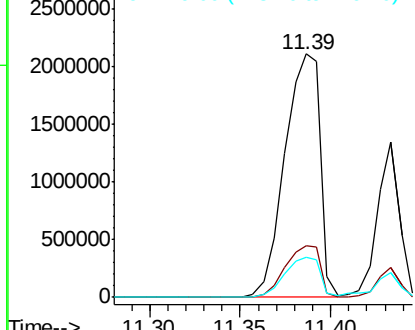
#71
Phenanthrene
Concen: 79.240 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BF120864.D
Acq: 14 Jul 2020 16:48

Instrument :
BNA_F
ClientSampleId :
CL-02-070920

Tot Ion:178 Resp: 2871954
Ion Ratio Lower Upper
178 100
176 21.1 16.4 24.6
179 16.6 12.9 19.3

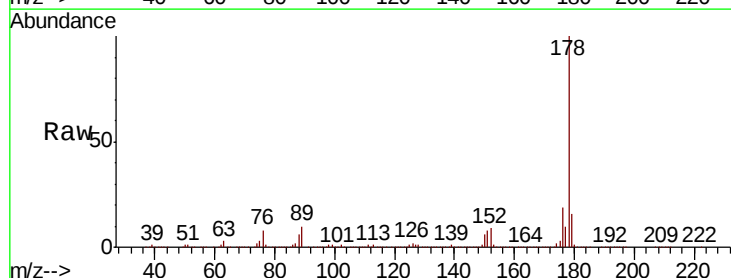


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

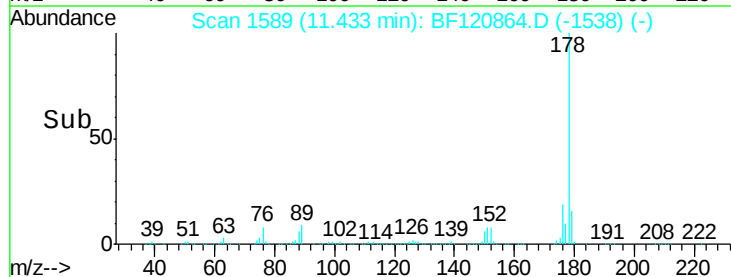
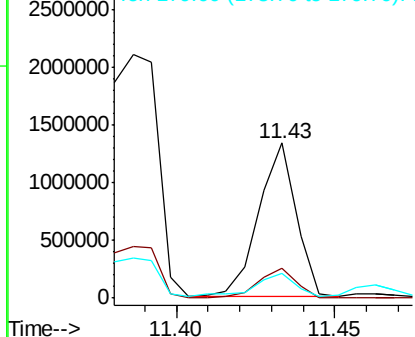


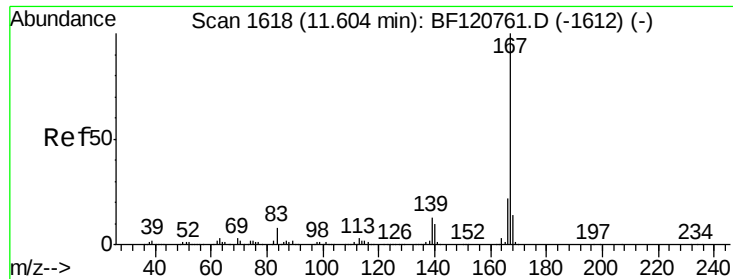
#72
Anthracene
Concen: 30.036 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF120864.D
Acq: 14 Jul 2020 16:48

Tgt Ion:178 Resp: 1100056
Ion Ratio Lower Upper
178 100
176 19.4 16.2 24.2
179 15.9 12.7 19.1



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

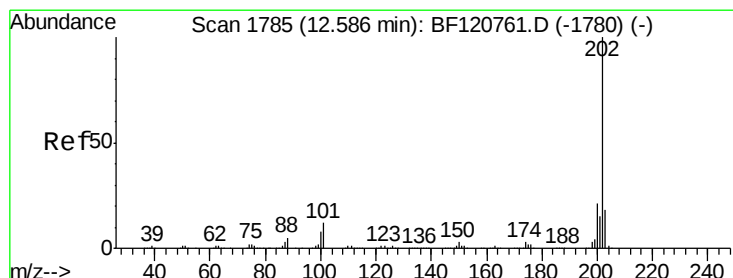
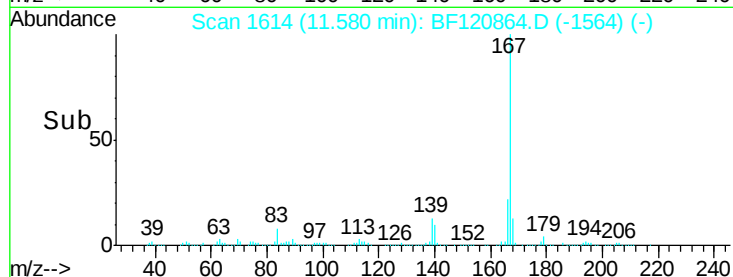
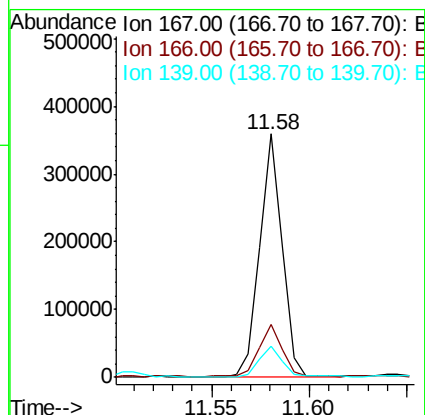
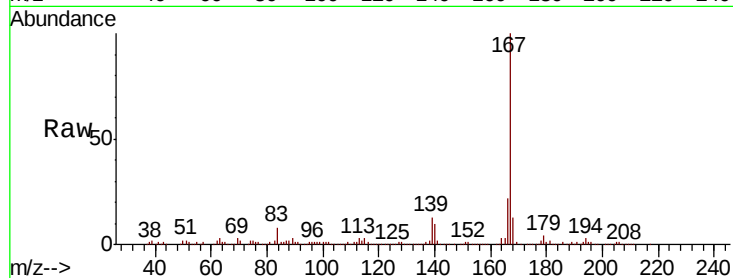




#73
 Carbazole
 Concen: 8.100 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: BF120864.D
 Acq: 14 Jul 2020 16:48

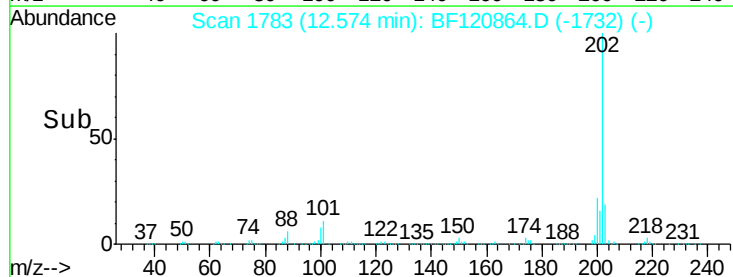
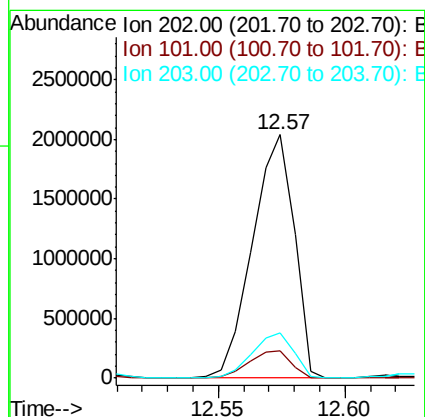
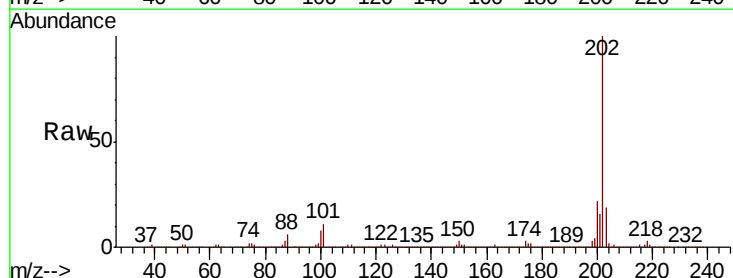
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-070920

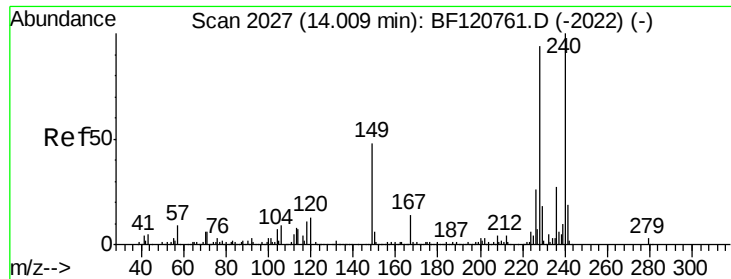
Tot Ion:167 Resp: 285082
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.8 26.8
 139 13.0 10.7 16.1



#75
 Fluoranthene
 Concen: 59.920 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: BF120864.D
 Acq: 14 Jul 2020 16:48

Tgt Ion:202 Resp: 2313474
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 31.6
 203 18.7 0.0 38.2

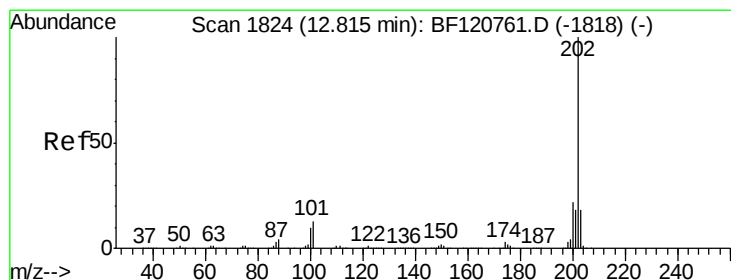
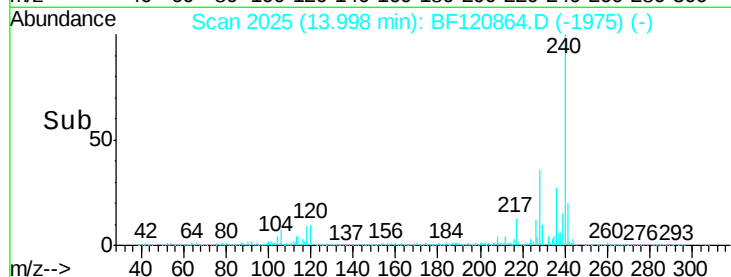
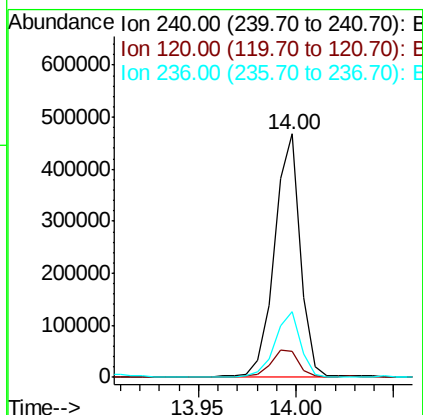
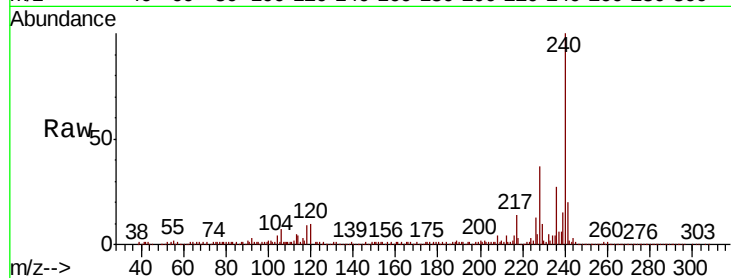




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF120864.D
Acq: 14 Jul 2020 16:48

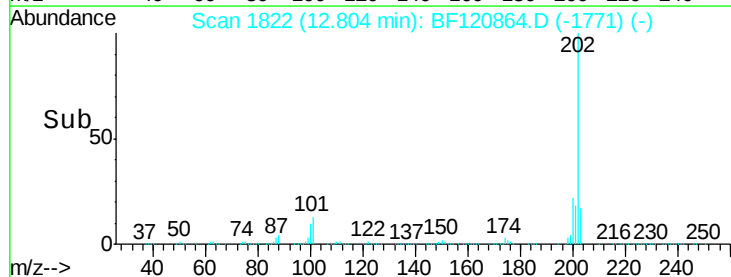
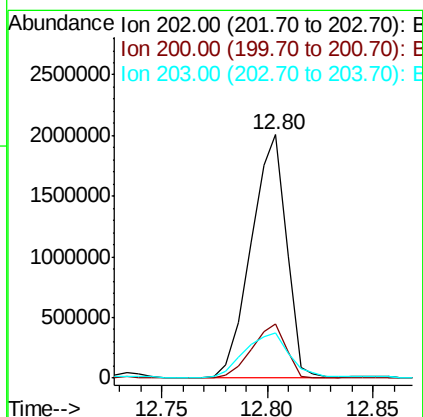
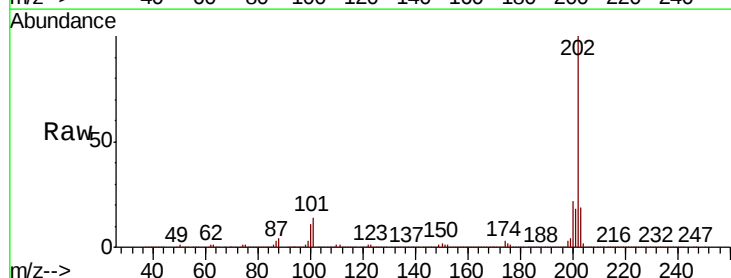
Instrument :
BNA_F
ClientSampleId :
CL-02-070920

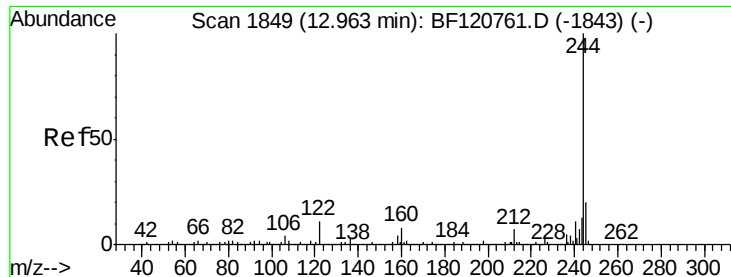
Tot Ion:240 Resp: 424433
Ion Ratio Lower Upper
240 100
120 10.5 10.3 15.5
236 26.8 21.4 32.2



#78
Pyrene
Concen: 68.537 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF120864.D
Acq: 14 Jul 2020 16:48

Tgt Ion:202 Resp: 2323239
Ion Ratio Lower Upper
202 100
200 22.2 17.3 25.9
203 18.6 14.6 22.0





#79

Terphenyl-d14

Concen: 45.930 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF120864.D

Acq: 14 Jul 2020 16:48

Instrument :

BNA_F

ClientSampleId :

CL-02-070920

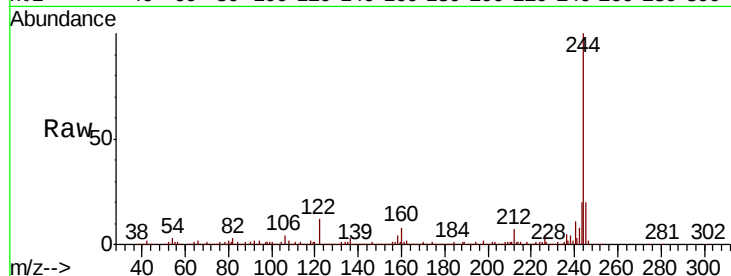
Tot Ion:244 Resp: 995677

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

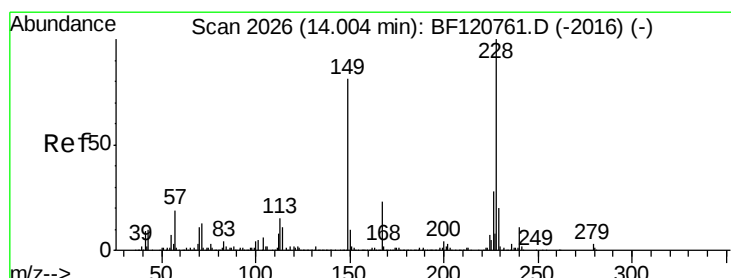
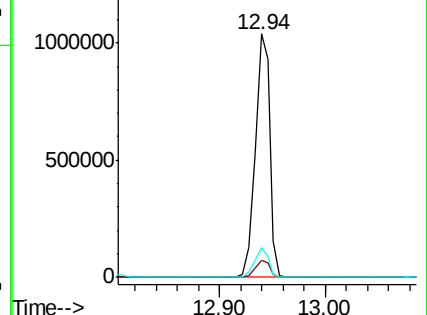
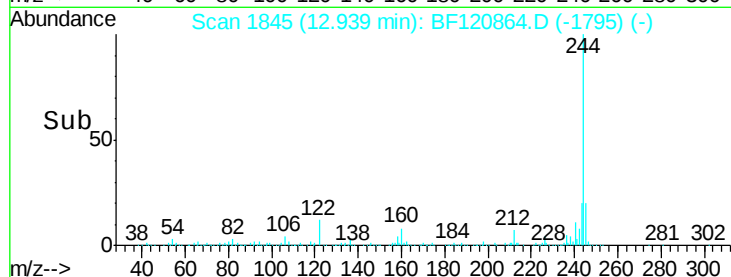
122 12.1 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 36.002 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.03 min

Lab File: BF120864.D

Acq: 14 Jul 2020 16:48

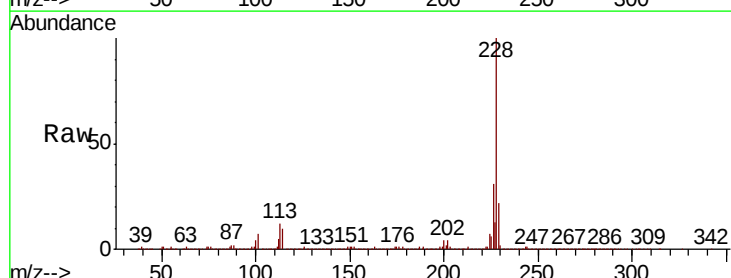
Tgt Ion:228 Resp: 979499

Ion Ratio Lower Upper

228 100

226 31.2 22.6 33.8

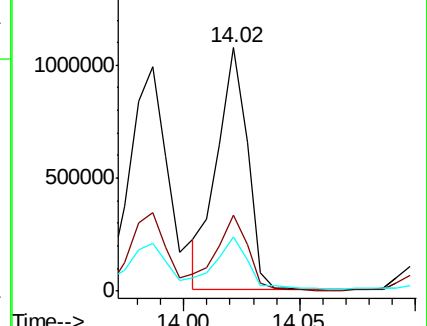
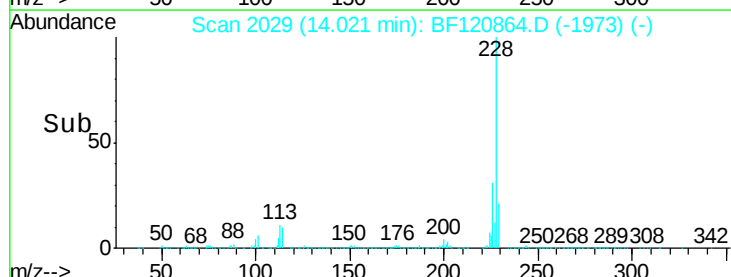
229 22.5 15.8 23.6

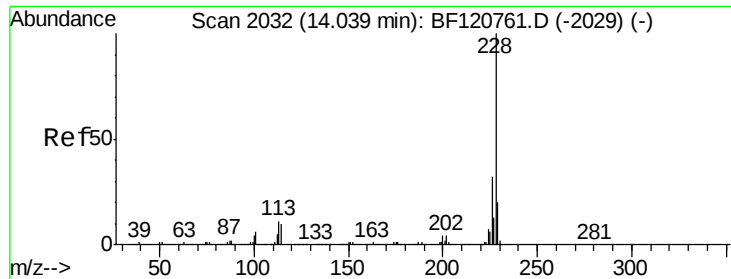


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

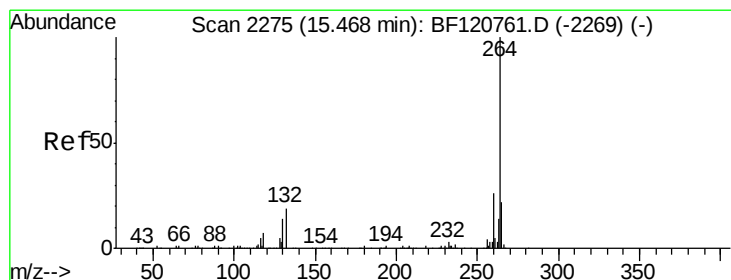
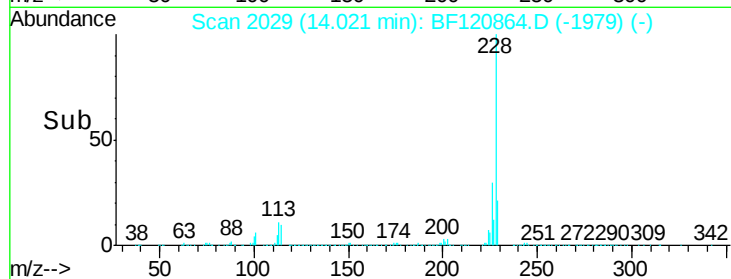
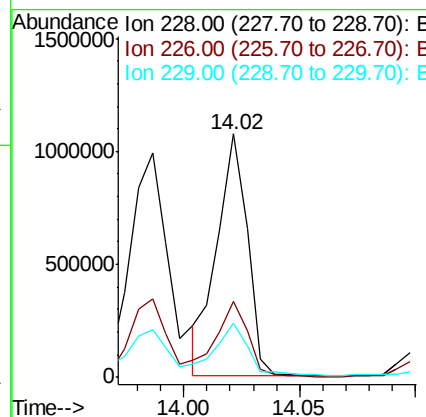
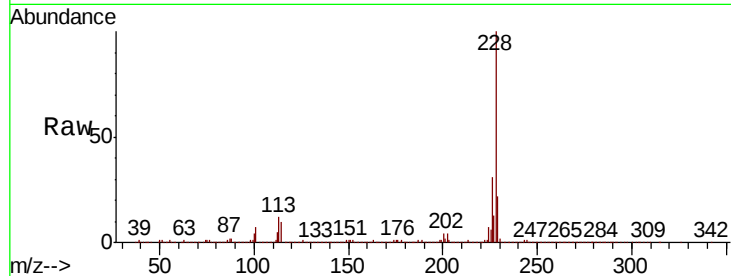




#83
Chrysene
Concen: 35.295 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF120864.D
Acq: 14 Jul 2020 16:48

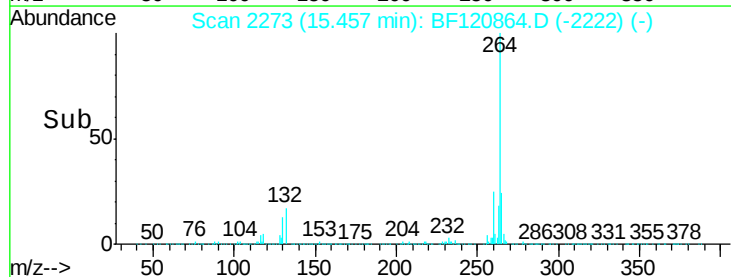
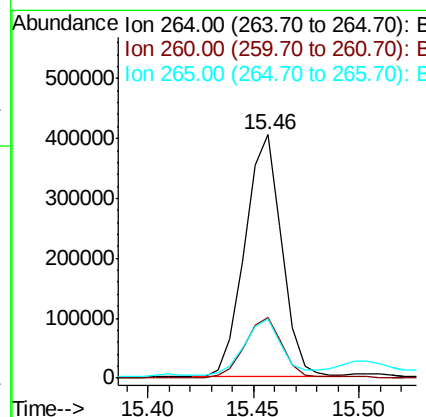
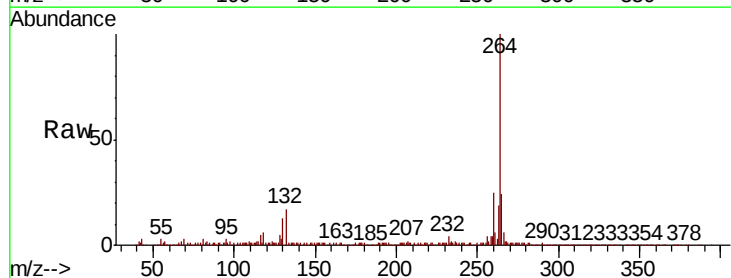
Instrument :
BNA_F
ClientSampleId :
CL-02-070920

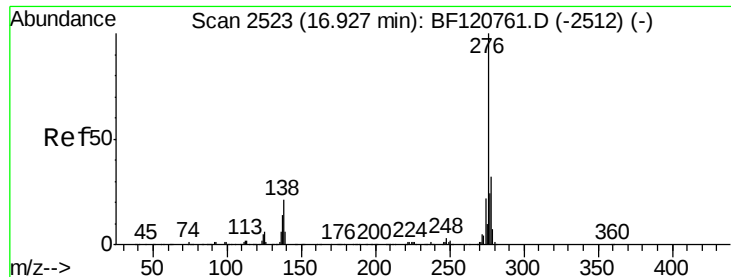
Tot Ion:228 Resp: 979499
Ion Ratio Lower Upper
228 100
226 31.2 25.7 38.5
229 22.5 16.3 24.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF120864.D
Acq: 14 Jul 2020 16:48

Tgt Ion:264 Resp: 490470
Ion Ratio Lower Upper
264 100
260 25.1 20.6 30.8
265 24.2 17.6 26.4

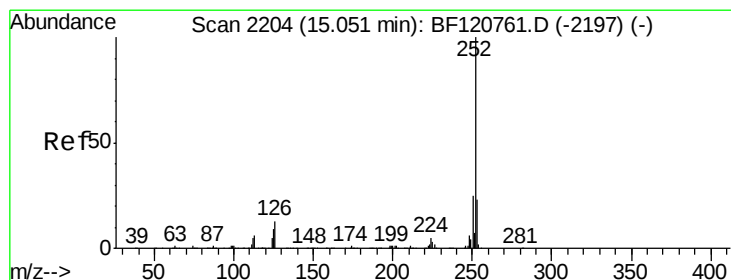
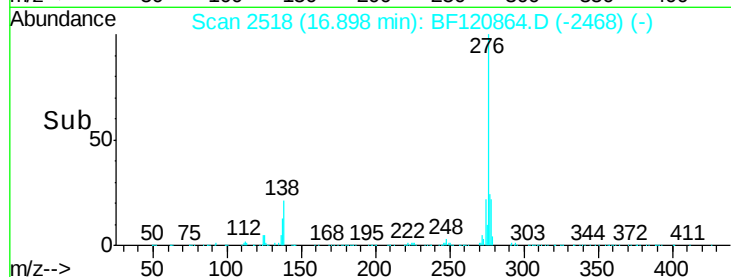
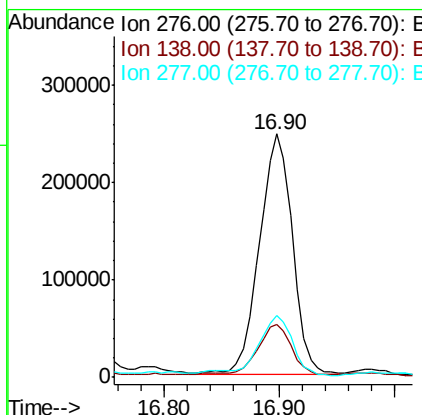
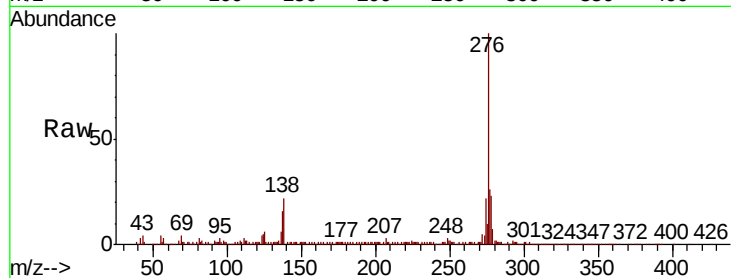




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 15.624 ng
 RT: 16.90 min Scan# 2518
 Delta R.T. -0.01 min
 Lab File: BF120864.D
 Acq: 14 Jul 2020 16:48

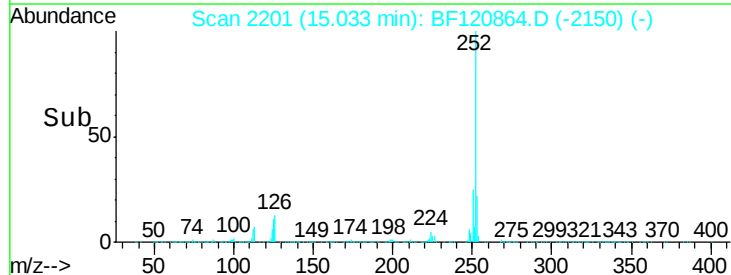
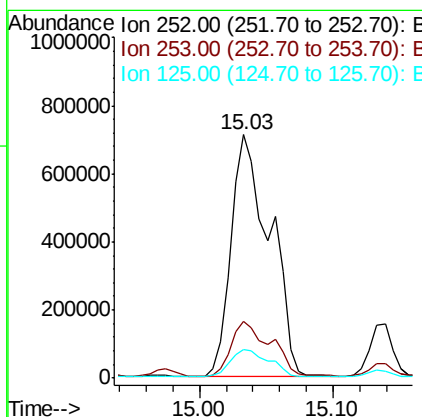
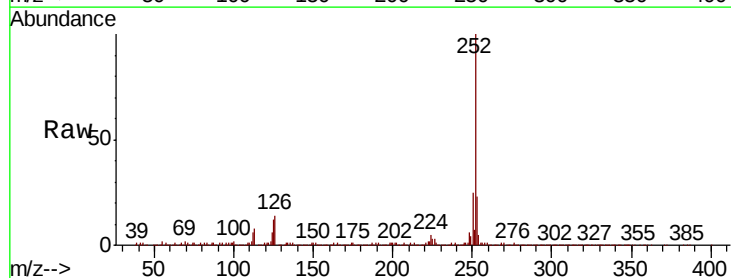
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-070920

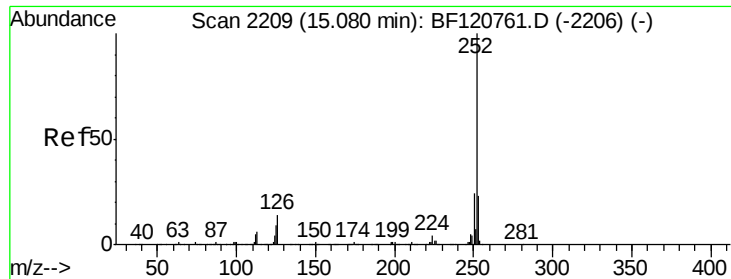
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.7	19.8	29.8
277	24.9	19.9	29.9



#88
 Benzo(b)fluoranthene
 Concen: 45.007 ng
 RT: 15.03 min Scan# 2201
 Delta R.T. 0.00 min
 Lab File: BF120864.D
 Acq: 14 Jul 2020 16:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	11.9	7.5	11.3

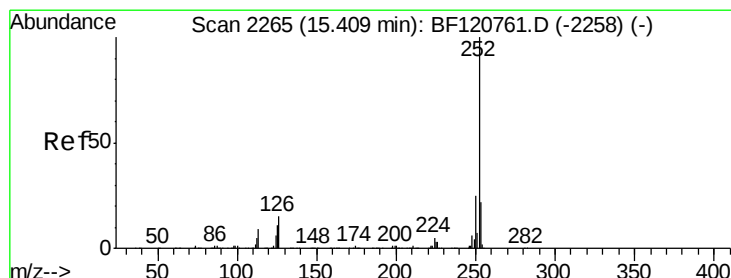
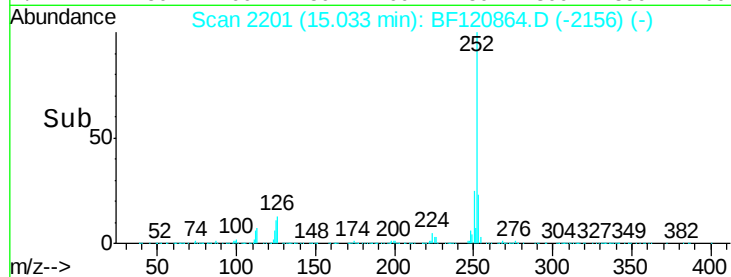
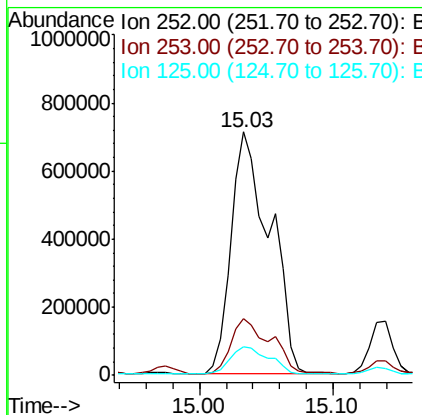
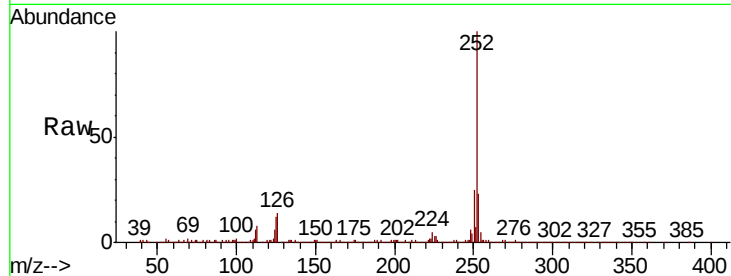




#89
Benzo(k)fluoranthene
Concen: 46.253 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.04 min
Lab File: BF120864.D
Acq: 14 Jul 2020 16:48

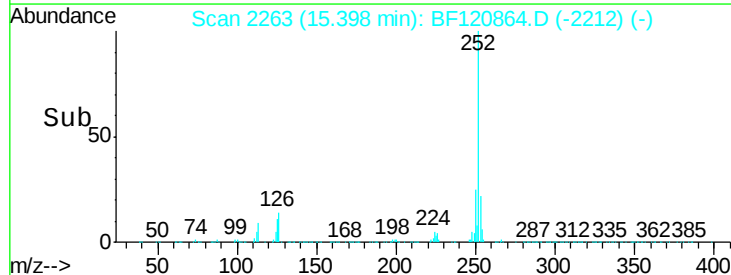
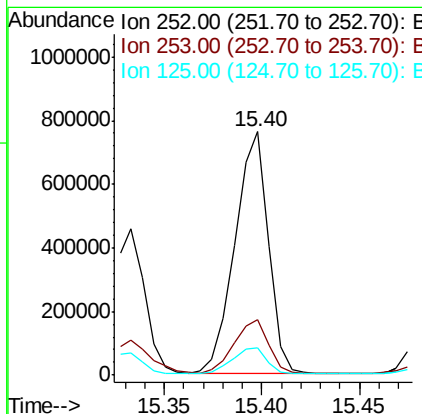
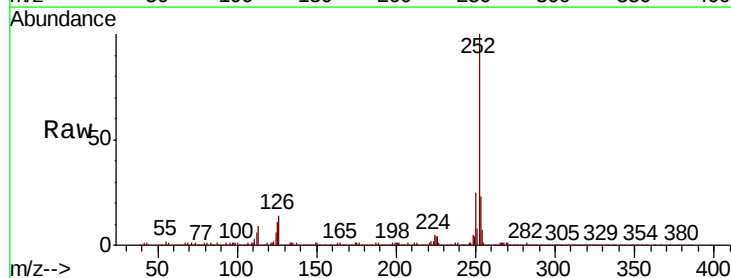
Instrument :
BNA_F
ClientSampleId :
CL-02-070920

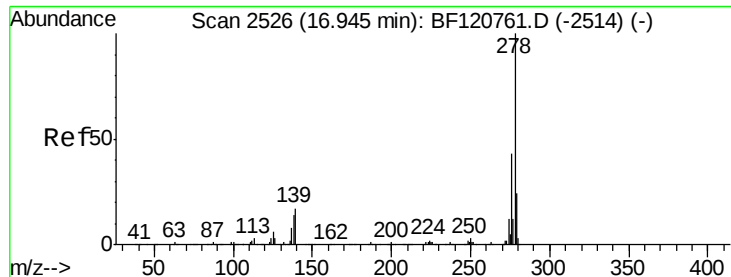
Tot Ion:252 Resp: 1451239
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 11.9 7.6 11.4#



#90
Benzo(a)pyrene
Concen: 31.511 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.00 min
Lab File: BF120864.D
Acq: 14 Jul 2020 16:48

Tgt Ion:252 Resp: 906376
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 11.1 9.2 13.8



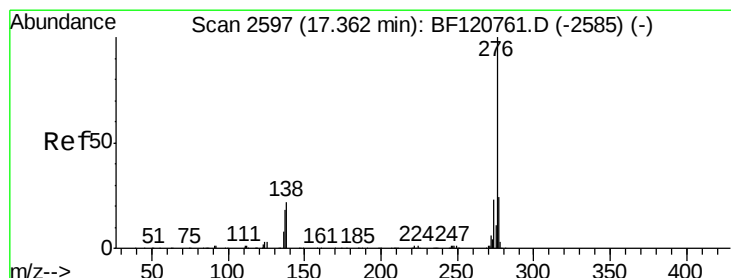
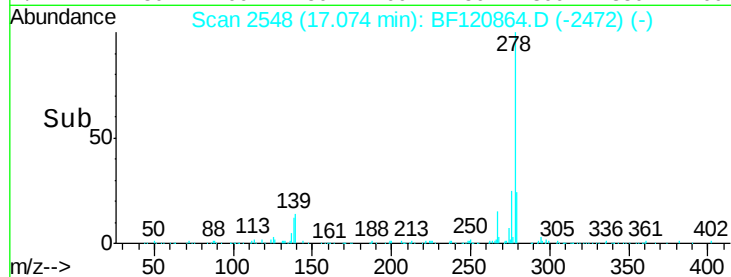
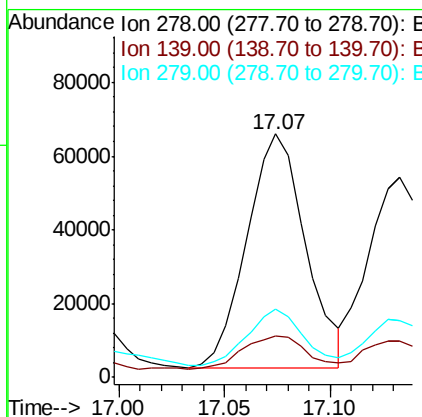
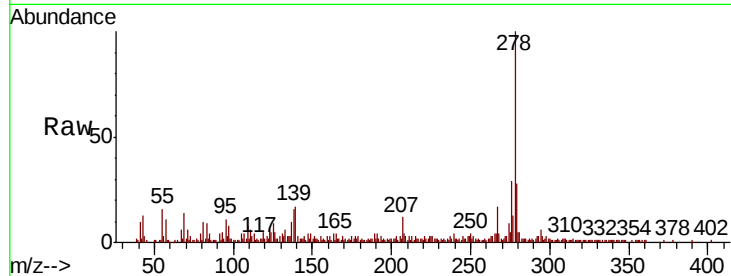


#91
Dibenzo(a,h)anthracene
Concen: 4.659 ng
RT: 17.07 min Scan# 2548
Delta R.T. 0.15 min
Lab File: BF120864.D
Acq: 14 Jul 2020 16:48

Instrument :
BNA_F
ClientSampleId :
CL-02-070920

Tot Ion:278 Resp: 122158

Ion	Ratio	Lower	Upper
278	100		
139	17.2	13.3	19.9
279	28.1	19.0	28.6



#92
Benzo(g,h,i)perylene
Concen: 18.455 ng
RT: 17.33 min Scan# 2592
Delta R.T. -0.01 min
Lab File: BF120864.D
Acq: 14 Jul 2020 16:48

Tgt Ion:276 Resp: 442242

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.8	28.2
138	21.7	17.4	26.2

