

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
 Data File : BF121760.D
 Acq On : 1 Oct 2020 2:11
 Operator : JU/CG
 Sample : L4193-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-14(9-11)

Quant Time: Oct 01 04:34:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 11:12:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	159242	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	620846	20.00	ng	-0.01
39) Acenaphthene-d10	9.81	164	312557	20.00	ng	-0.02
64) Phenanthrene-d10	11.30	188	537434	20.00	ng	-0.01
76) Chrysene-d12	13.94	240	331126	20.00	ng	0.00
86) Perylene-d12	15.38	264	331634	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	756007	70.55	ng	0.00
7) Phenol-d6	6.42	99	974353	69.31	ng	-0.01
23) Nitrobenzene-d5	7.34	82	668745	57.83	ng	-0.02
42) 2,4,6-Tribromophenol	10.60	330	261051	67.20	ng	-0.01
45) 2-Fluorobiphenyl	9.14	172	1181603	57.26	ng	-0.01
79) Terphenyl-d14	12.89	244	1031565	63.11	ng	0.00

Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.34	70	88125	10.877	ng	# 79
25) Isophorone	7.34	82	660533	28.377	ng	# 66
31) Naphthalene	8.08	128	329624	10.058	ng	# 98
32) Benzoic acid	7.86	122	1555	7.107	ng	# 24
33) 4-Chloroaniline	8.08	127	41435	2.917	ng	# 35
37) 2-Methylnaphthalene	8.77	142	56103	2.612	ng	# 98
38) 1-Methylnaphthalene	8.87	142	41923	2.097	ng	# 99
49) Acenaphthylene	9.67	152	96407	3.182	ng	# 99
50) Dimethylphthalate	9.53	163	113744	5.021	ng	# 99
52) Acenaphthene	9.85	154	153383	8.016	ng	# 100
55) Dibenzofuran	10.02	168	137283	5.094	ng	# 98
56) 4-Nitrophenol	10.02	139	50892	11.418	ng	# 9
58) Fluorene	10.36	166	199514	9.681	ng	# 98
65) 4,6-Dinitro-2-methylphenol	10.60	198	454	6.970	ng	# 1
67) 4-Bromophenyl-phenylether	10.60	248	15507	2.534	ng	# 1
71) Phenanthrene	11.33	178	1903211	64.997	ng	# 99
72) Anthracene	11.37	178	662705	21.931	ng	# 99
73) Carbazole	11.53	167	175008	6.418	ng	# 98
75) Fluoranthene	12.52	202	2560198	81.906	ng	# 99
78) Pvrene	12.75	202	2215152	91.561	ng	# 98
81) Benzo(a)anthracene	13.93	228	1219969	58.236	ng	# 98
83) Chrysene	13.97	228	1033958	48.741	ng	# 97
87) Indeno(1,2,3-cd)pyrene	16.80	276	653148	30.242	ng	# 95
88) Benzo(b)fluoranthene	14.97	252	1675523	75.576	ng	# 97
89) Benzo(k)fluoranthene	14.97	252	1675523	82.530	ng	# 98
90) Benzo(a)pyrene	15.33	252	929329	49.313	ng	# 97
91) Dibenzo(a,h)anthracene	16.81	278	166140	9.241	ng	# 93
92) Benzo(g,h,i)perylene	17.23	276	582566	32.966	ng	# 99

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

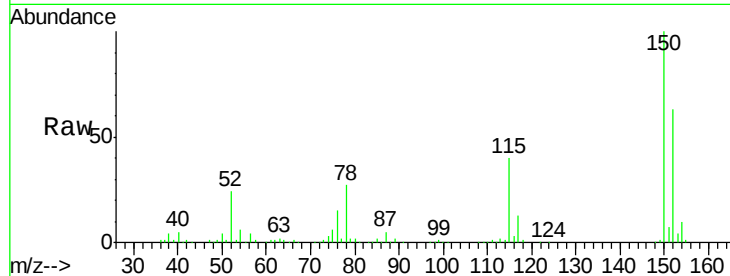


#1

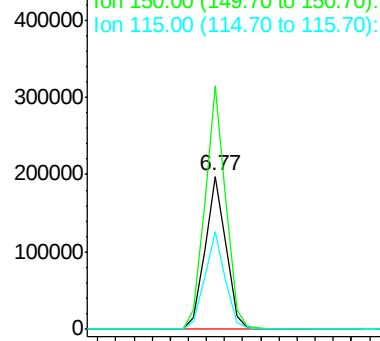
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Instrument :
BNA_F
ClientSampleId :
B-14(9-11)

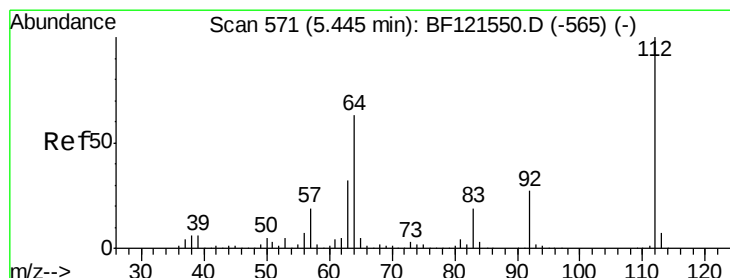
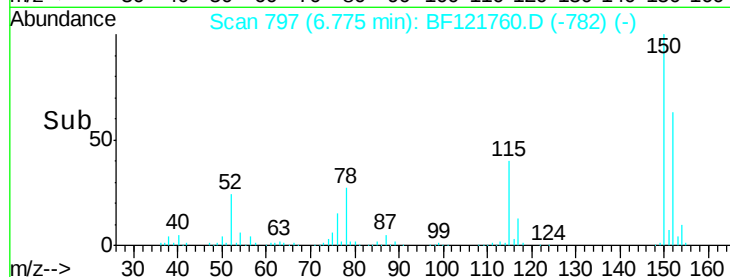
Tot Ion:152 Resp: 159242
Ion Ratio Lower Upper
152 100
150 159.2 125.8 188.8
115 64.3 49.6 74.4



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



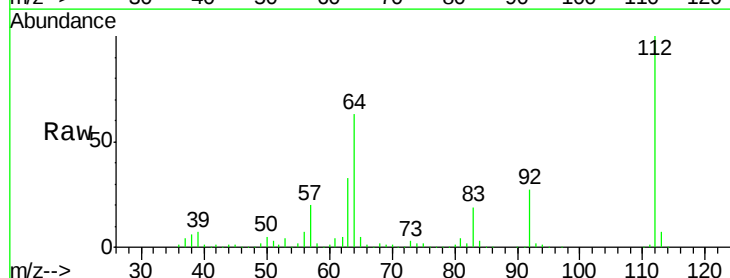
Time-->



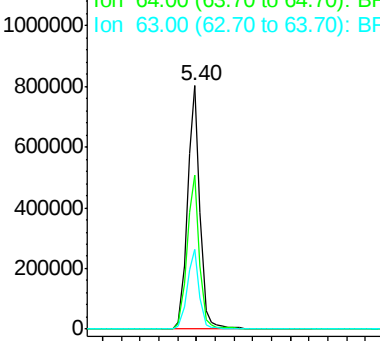
#5

2-Fluorophenol
Concen: 70.554 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

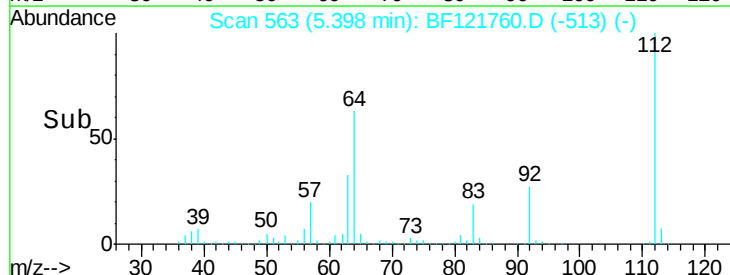
Tgt Ion:112 Resp: 756007
Ion Ratio Lower Upper
112 100
64 63.2 51.2 76.8
63 32.6 25.9 38.9

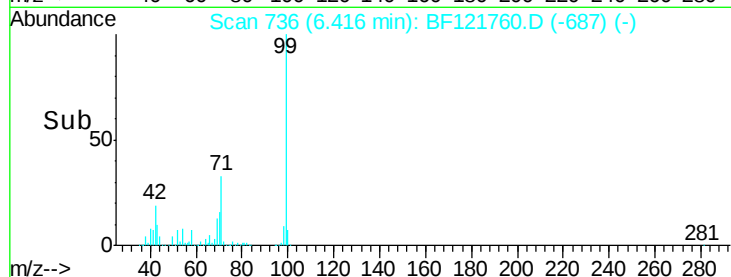
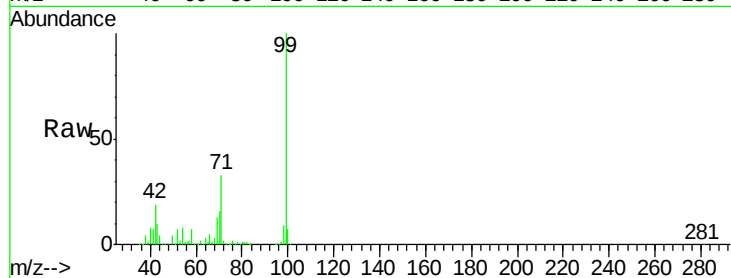


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



Time-->





#7

Phenol-d6

Concen: 69.311 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF121760.D

Acq: 1 Oct 2020 2:11

Instrument :

BNA_F

ClientSampleId :

B-14(9-11)

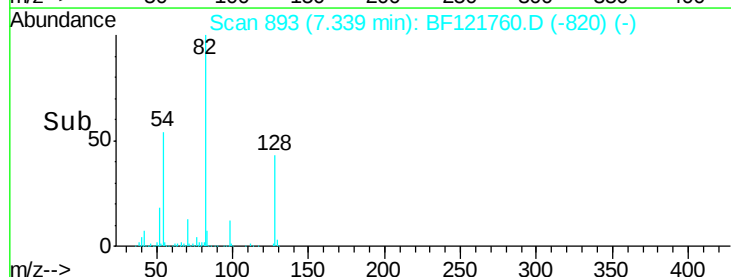
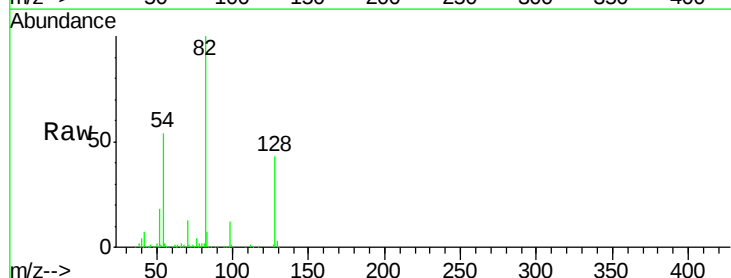
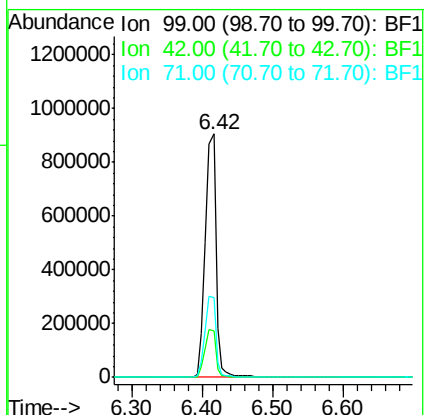
Tot Ion: 99 Resp: 974353

Ion Ratio Lower Upper

99 100

42 18.9 16.5 24.7

71 33.0 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 10.877 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.13 min

Lab File: BF121760.D

Acq: 1 Oct 2020 2:11

Tgt Ion: 70 Resp: 88125

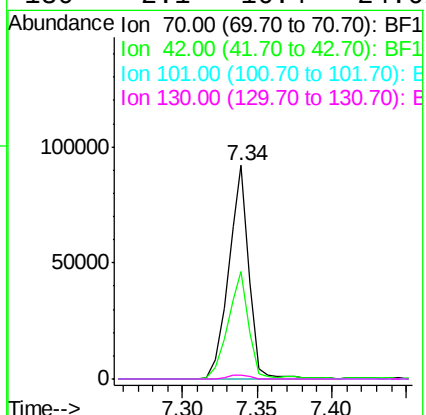
Ion Ratio Lower Upper

70 100

42 50.6 48.6 73.0

101 0.0 7.5 11.3#

130 2.1 16.4 24.6#

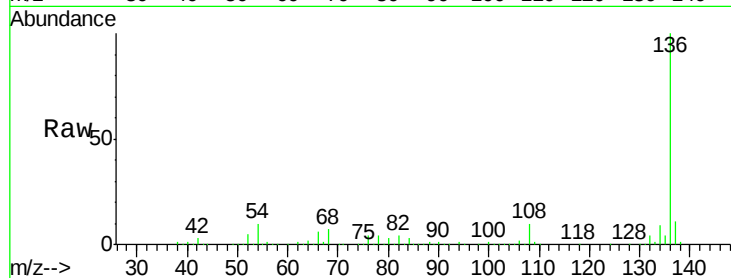




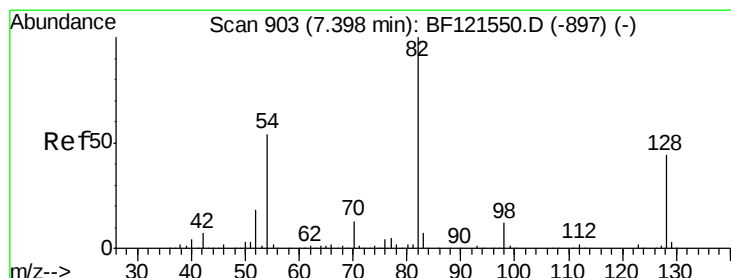
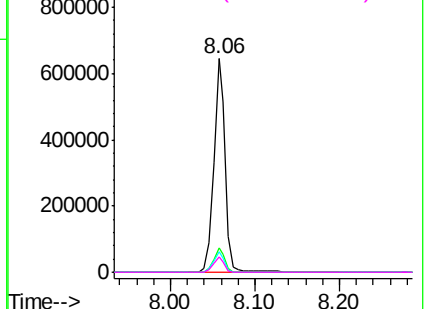
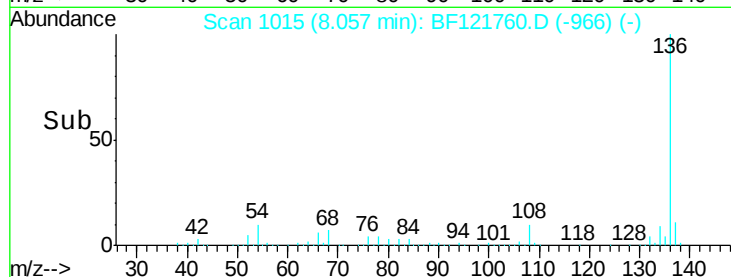
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Instrument :
BNA_F
ClientSampleId :
B-14(9-11)

Tot Ion:136	Resp:	620846
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.1 13.7
54	9.9	7.8 11.8
68	6.9	5.6 8.4

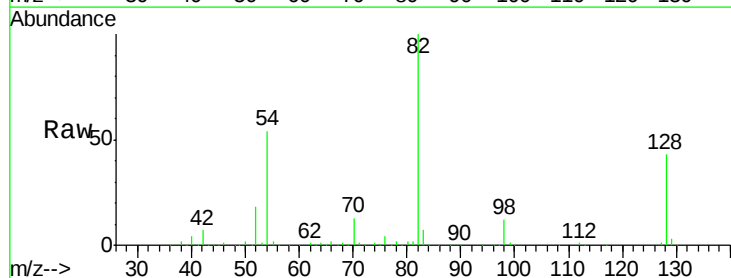


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

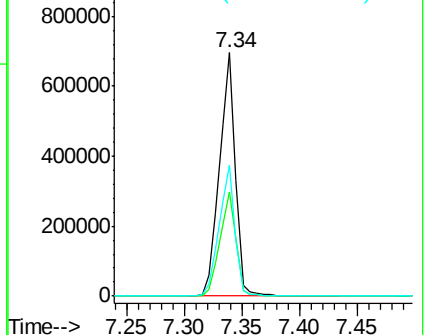
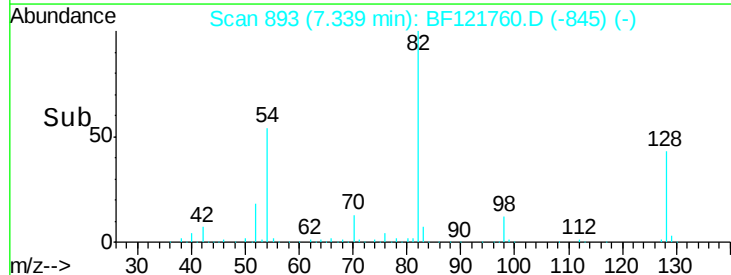


#23
Nitrobenzene-d5
Concen: 57.834 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.02 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Tgt Ion: 82	Resp:	668745
Ion Ratio	Lower	Upper
82	100	
128	42.9	35.0 52.4
54	53.7	42.5 63.7



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

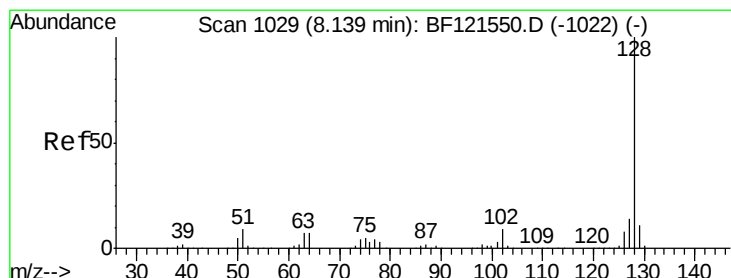
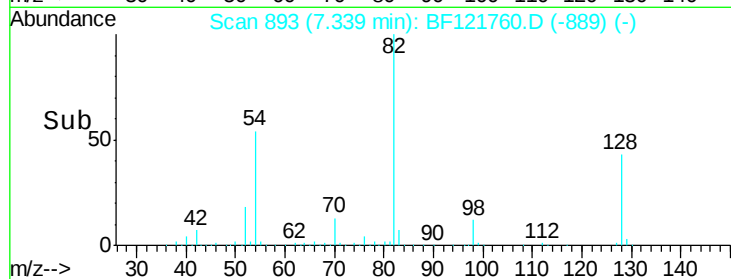
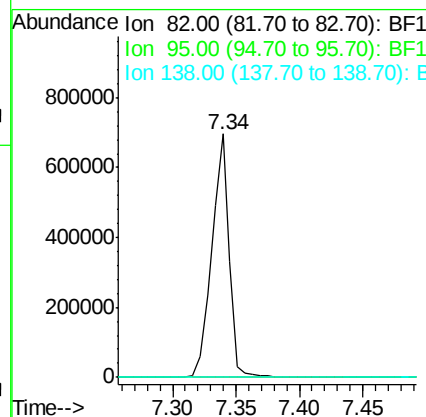
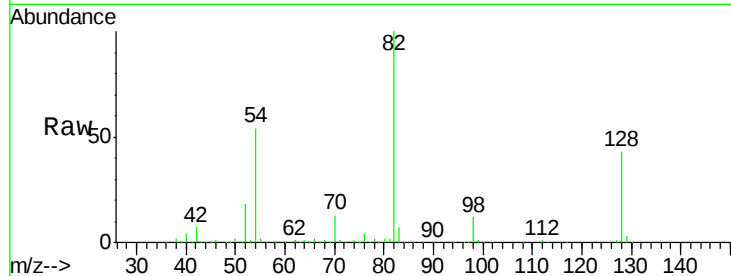




#25
Isophorone
Concen: 28.377 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.28 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

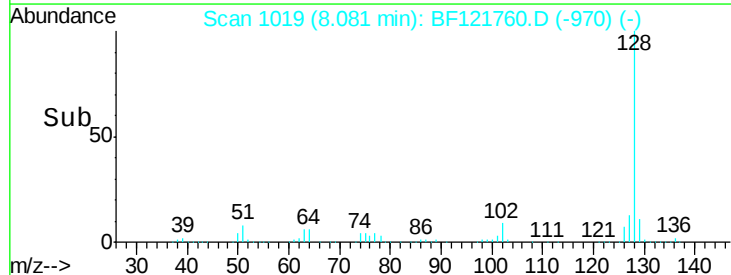
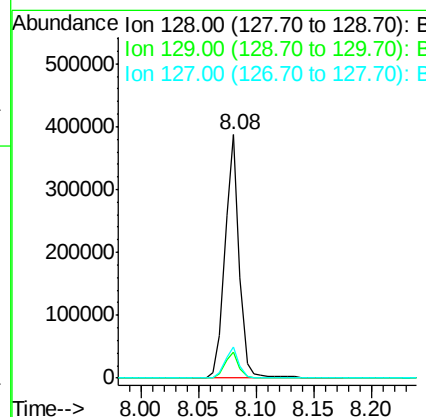
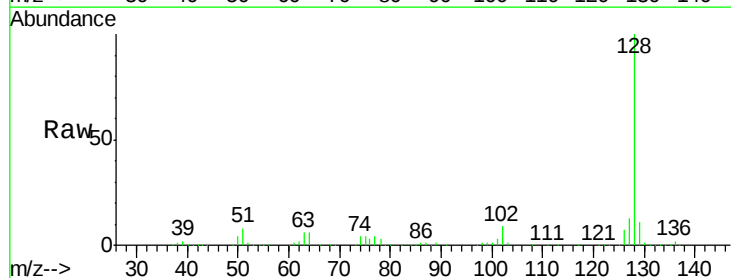
Instrument :
BNA_F
ClientSampled :
B-14(9-11)

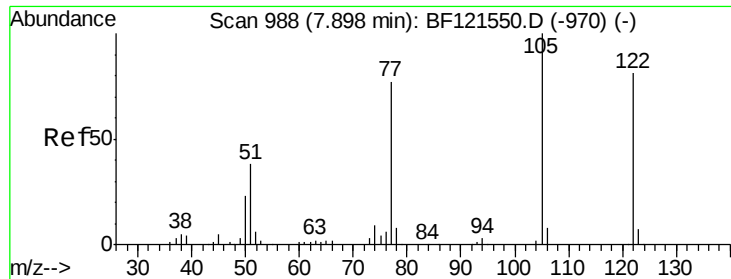
Tot Ion: 82 Resp: 660533
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 13.9 20.9#



#31
Naphthalene
Concen: 10.058 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Tgt Ion: 128 Resp: 329624
Ion Ratio Lower Upper
128 100
129 10.6 9.2 13.8
127 13.0 10.9 16.3

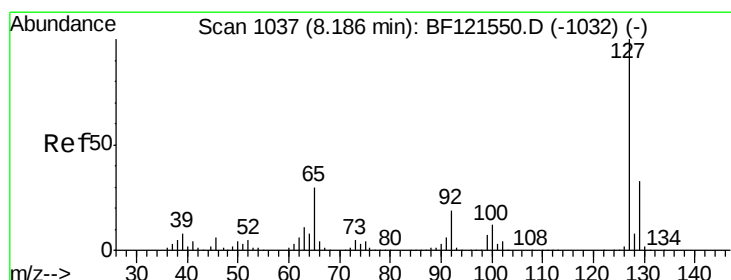
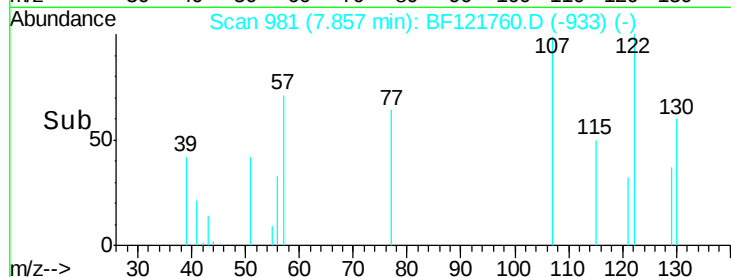
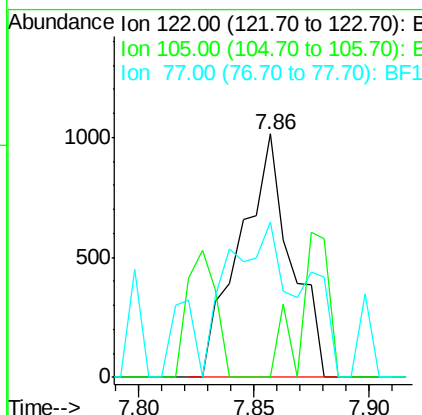
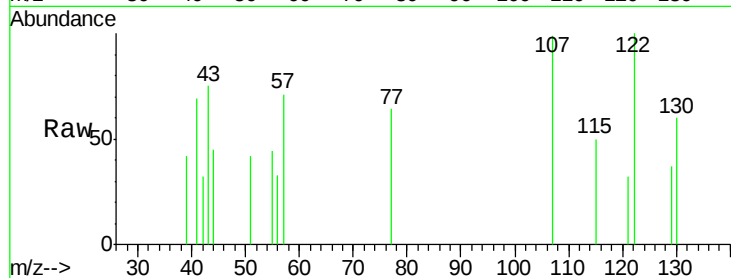




#32
Benzoic acid
Concen: 7.107 ng
RT: 7.86 min Scan# 981
Delta R.T. -0.02 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

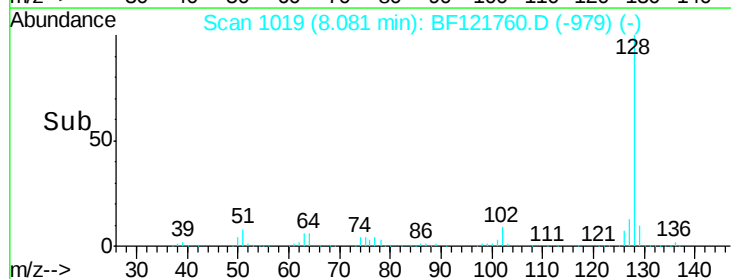
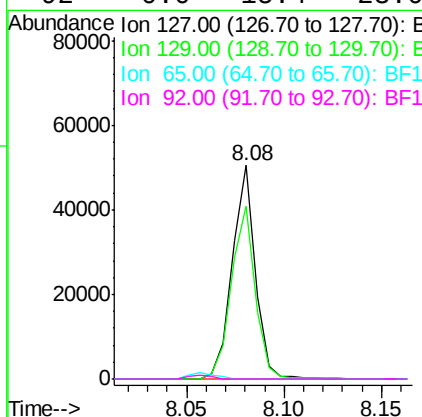
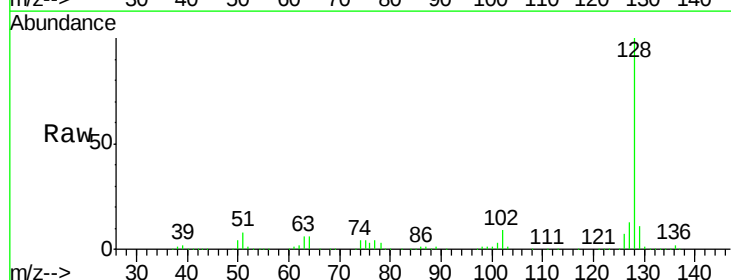
Instrument :
BNA_F
ClientSampleId :
B-14(9-11)

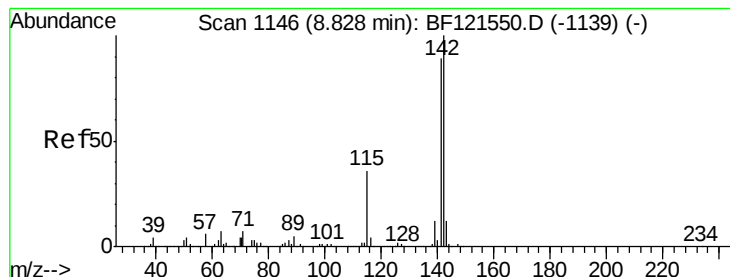
Tot Ion:122 Resp: 1555
Ion Ratio Lower Upper
122 100
105 0.0 103.8 143.8#
77 63.7 75.8 115.8#



#33
4-Chloroaniline
Concen: 2.917 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.06 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Tgt Ion:127 Resp: 41435
Ion Ratio Lower Upper
127 100
129 81.2 26.2 39.2#
65 0.0 24.2 36.2#
92 0.0 15.4 23.0#





#37

2-Methylnaphthalene

Concen: 2.612 ng

RT: 8.77 min Scan# 1136

Delta R.T. -0.02 min

Lab File: BF121760.D

Acq: 1 Oct 2020 2:11

Instrument :

BNA_F

ClientSampleId :

B-14(9-11)

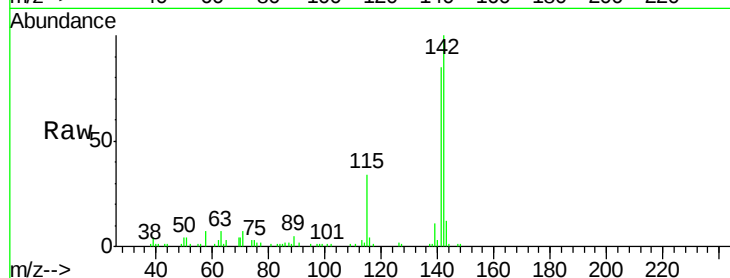
Tot Ion:142 Resp: 56103

Ion Ratio Lower Upper

142 100

141 85.1 70.1 105.1

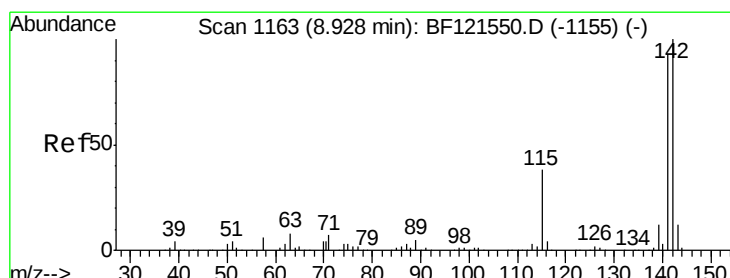
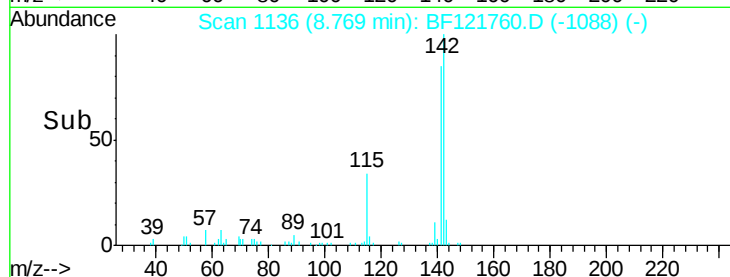
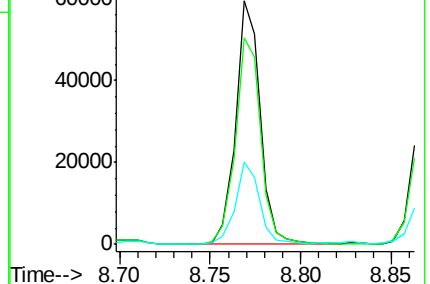
115 34.0 28.0 42.0



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: 2.097 ng

RT: 8.87 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BF121760.D

Acq: 1 Oct 2020 2:11

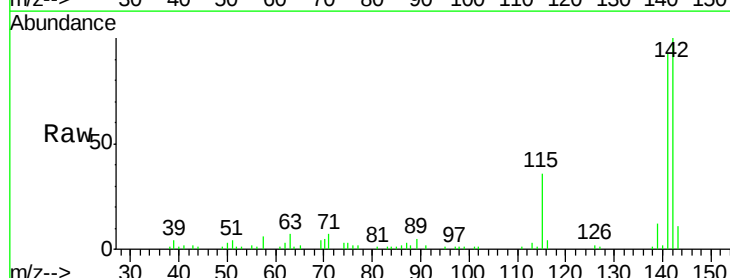
Tgt Ion:142 Resp: 41923

Ion Ratio Lower Upper

142 100

141 92.7 73.2 109.8

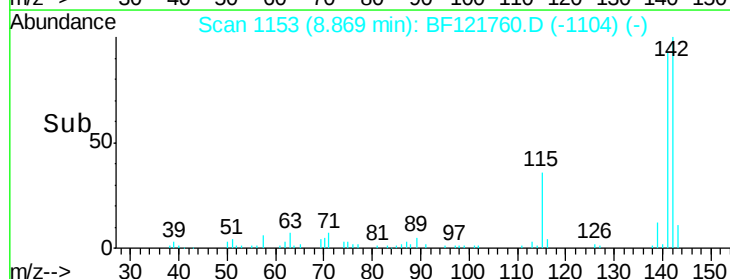
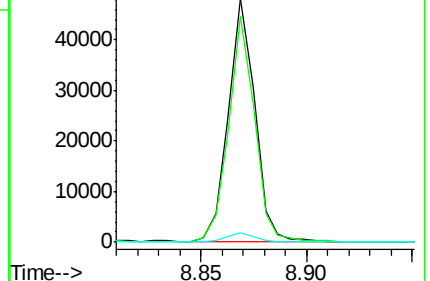
116 3.8 3.2 4.8

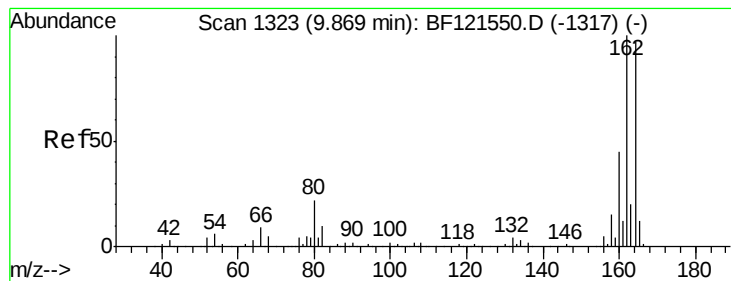


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.81 min Scan# 1313

Delta R.T. -0.02 min

Lab File: BF121760.D

Acq: 1 Oct 2020 2:11

Instrument :

BNA_F

ClientSampleId :

B-14(9-11)

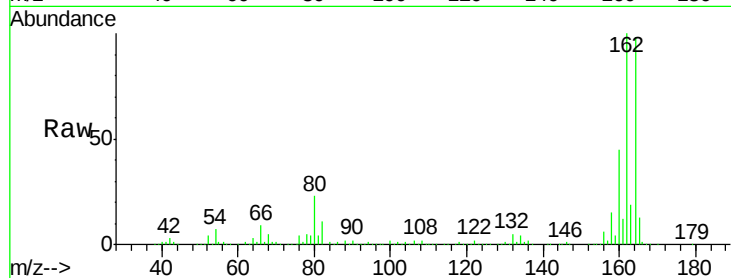
Tot Ion:164 Resp: 312557

Ion Ratio Lower Upper

164 100

162 101.9 80.6 121.0

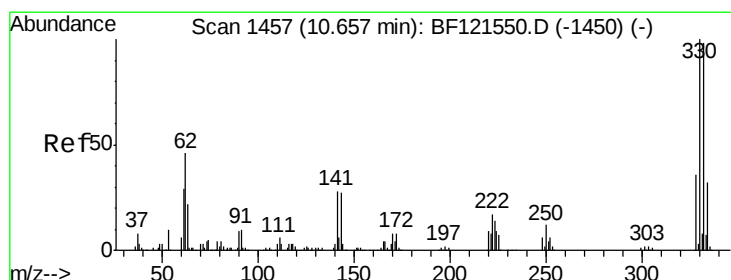
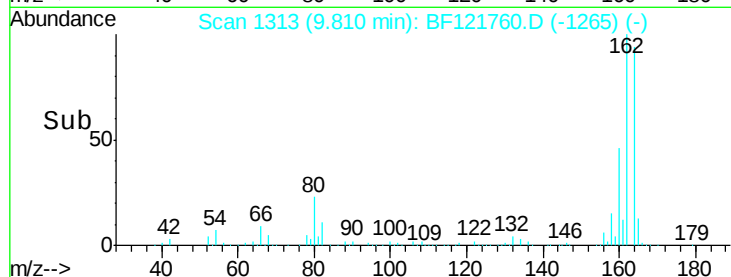
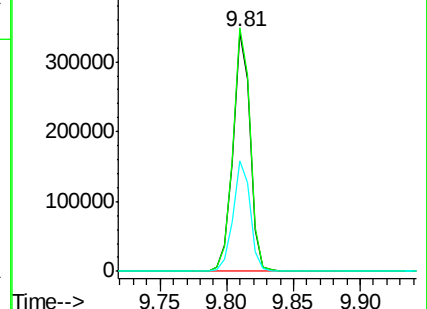
160 46.3 36.9 55.3



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: 67.200 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BF121760.D

Acq: 1 Oct 2020 2:11

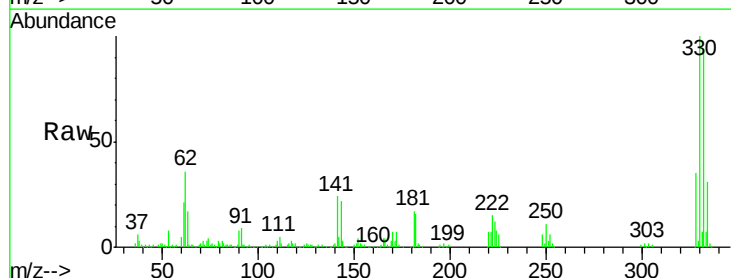
Tgt Ion:330 Resp: 261051

Ion Ratio Lower Upper

330 100

332 94.5 77.6 116.4

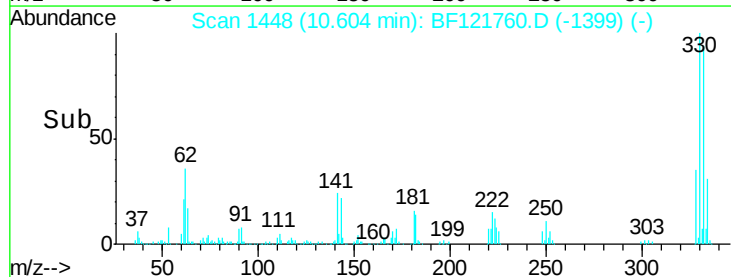
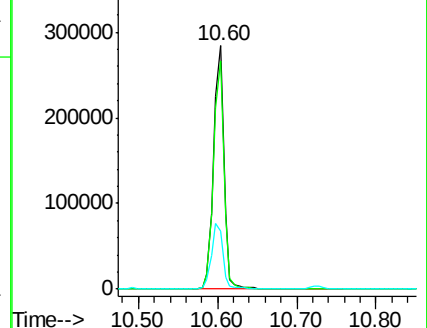
141 29.6 22.9 34.3

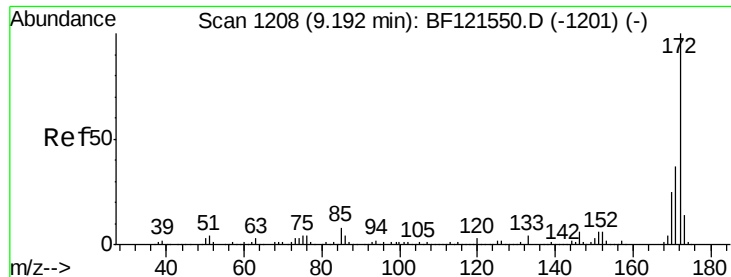


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



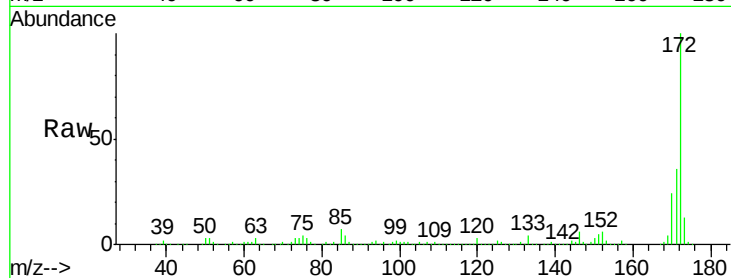


#45
 2-Fluorobiphenyl
 Concen: 57.256 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF121760.D
 Acq: 1 Oct 2020 2:11

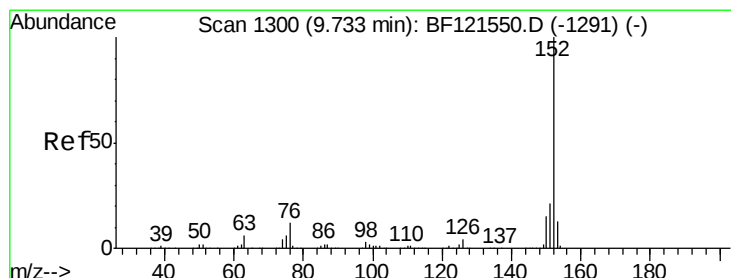
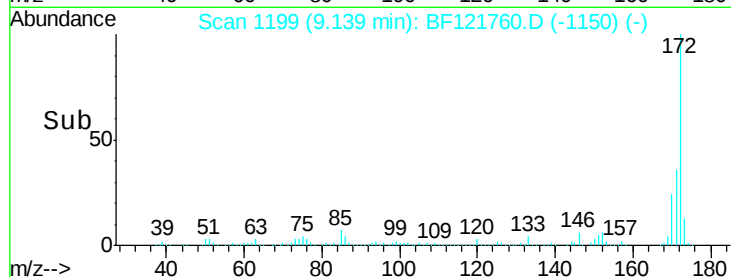
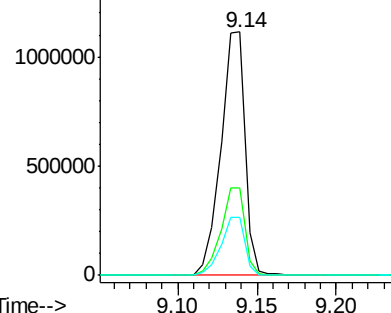
Instrument :
 BNA_F
 ClientSampleId :
 B-14(9-11)

Tot Ion:172 Resp: 1181603

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.2	43.8
170	24.0	19.7	29.5



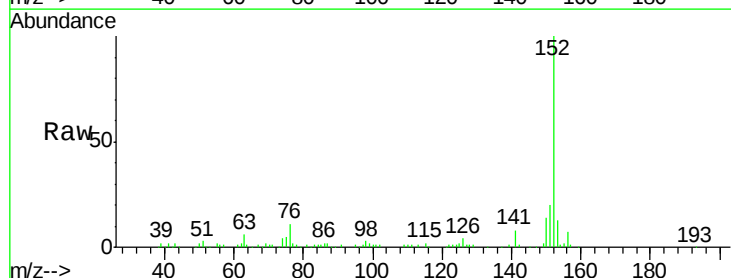
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



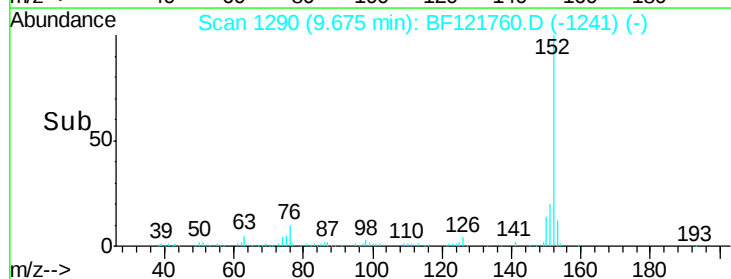
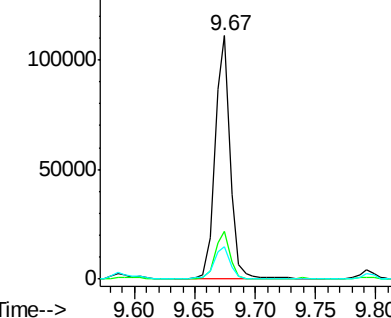
#49
 Acenaphthylene
 Concen: 3.182 ng
 RT: 9.67 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: BF121760.D
 Acq: 1 Oct 2020 2:11

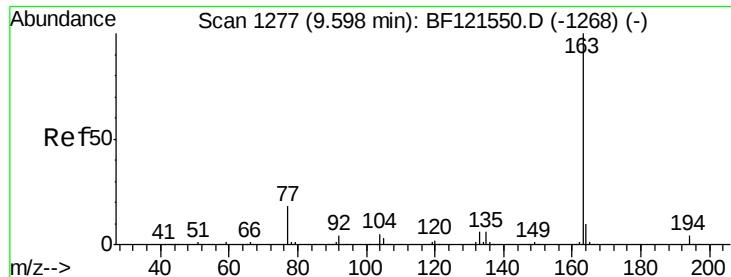
Tgt Ion:152 Resp: 96407

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.4	24.6
153	13.2	10.9	16.3



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: 5.021 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BF121760.D

Acq: 1 Oct 2020 2:11

Instrument :

BNA_F

ClientSampleId :

B-14(9-11)

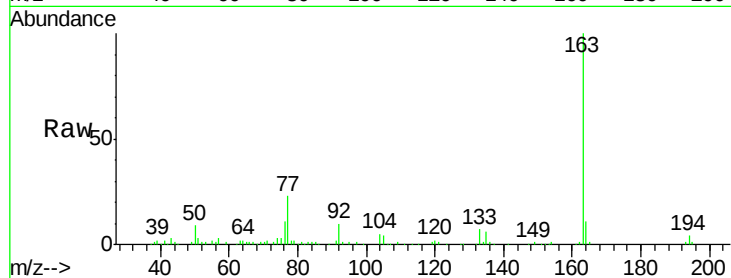
Tot Ion:163 Resp: 113744

Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

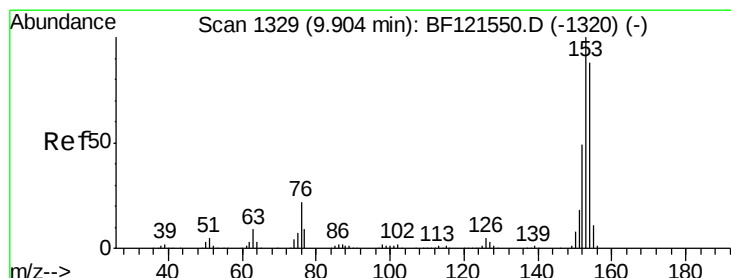
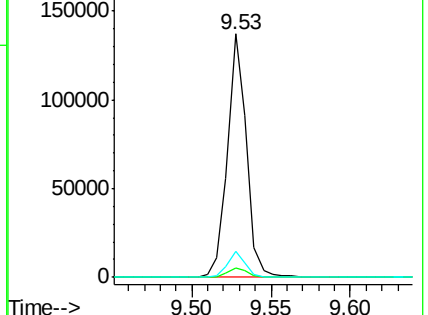
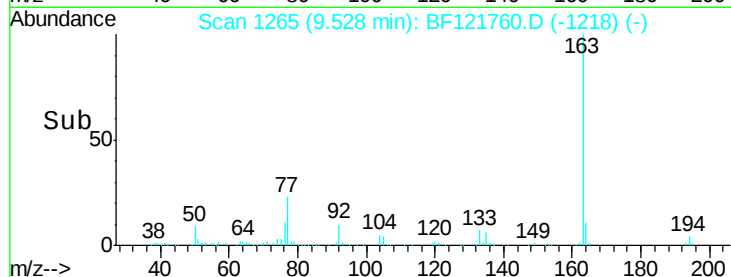
164 10.8 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52

Acenaphthene

Concen: 8.016 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.02 min

Lab File: BF121760.D

Acq: 1 Oct 2020 2:11

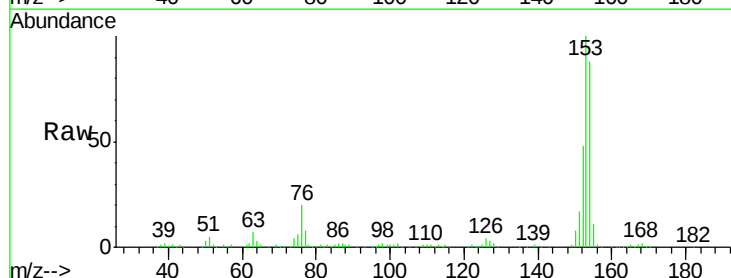
Tgt Ion:154 Resp: 153383

Ion Ratio Lower Upper

154 100

153 113.4 90.7 136.1

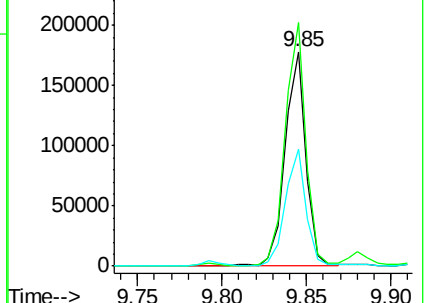
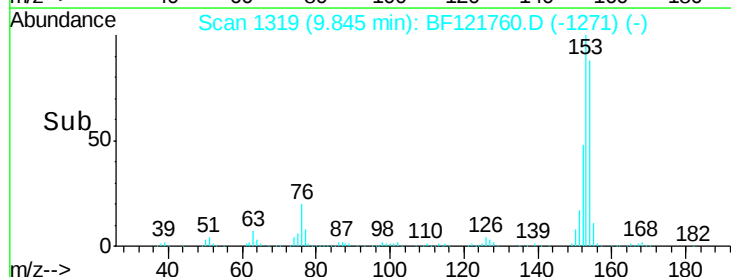
152 54.2 43.9 65.9

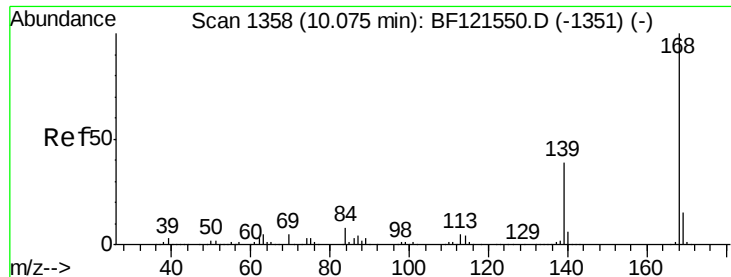


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

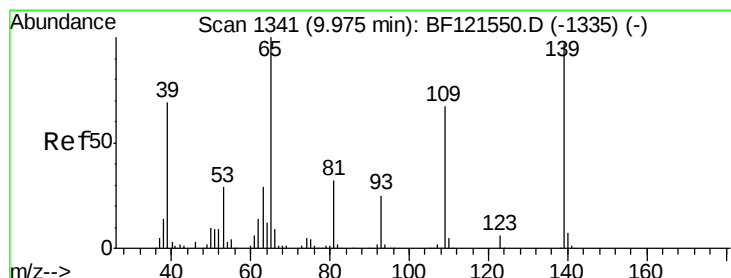
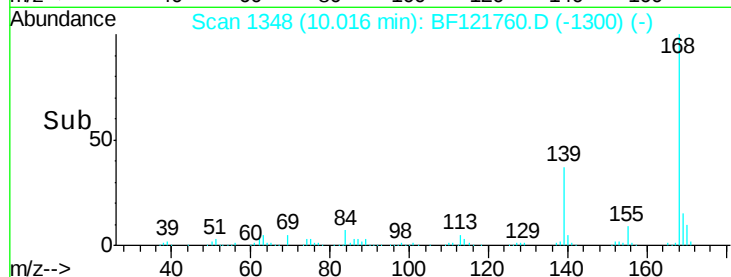
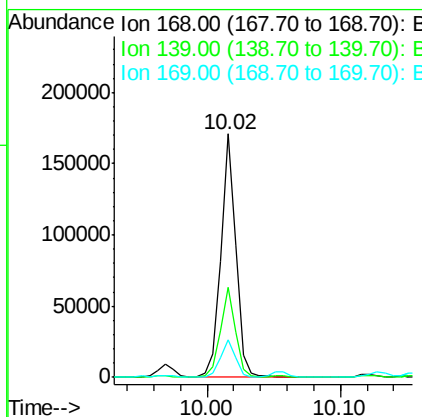
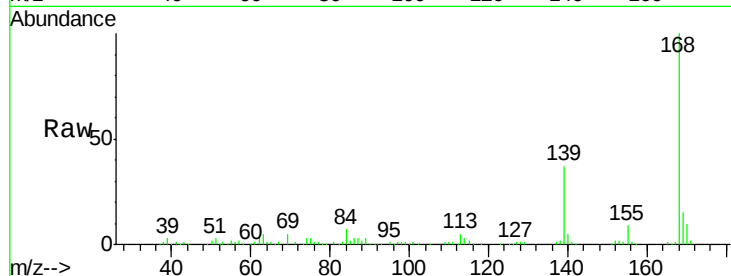




#55
Dibenzenofuran
Concen: 5.094 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.02 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

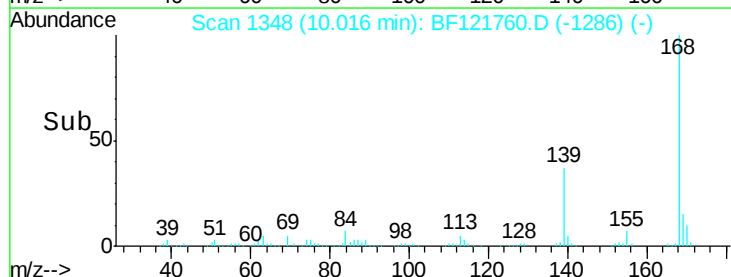
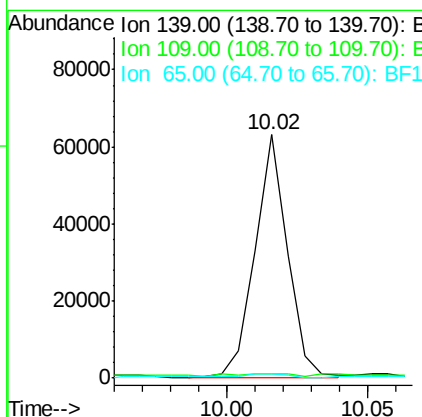
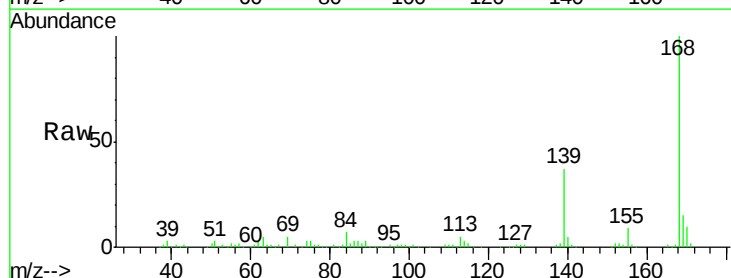
Instrument :
BNA_F
ClientSampleId :
B-14(9-11)

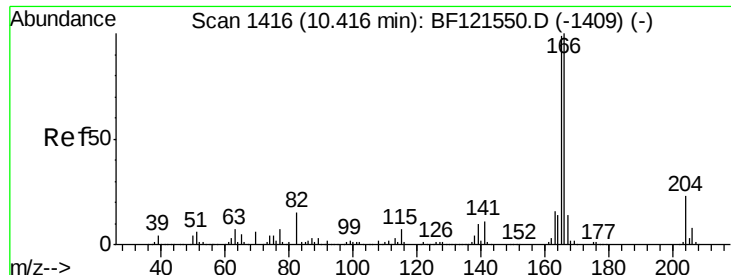
Tot Ion:168 Resp: 137283
Ion Ratio Lower Upper
168 100
139 36.9 30.3 45.5
169 15.3 11.2 16.8



#56
4-Nitrophenol
Concen: 11.418 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.06 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Tgt Ion:139 Resp: 50892
Ion Ratio Lower Upper
139 100
109 2.0 48.4 88.4#
65 1.9 77.7 117.7#





#58

Fluorene

Concen: 9.681 ng

RT: 10.36 min Scan# 1406

Delta R.T. -0.02 min

Lab File: BF121760.D

Acq: 1 Oct 2020 2:11

Instrument :

BNA_F

ClientSampleId :

B-14(9-11)

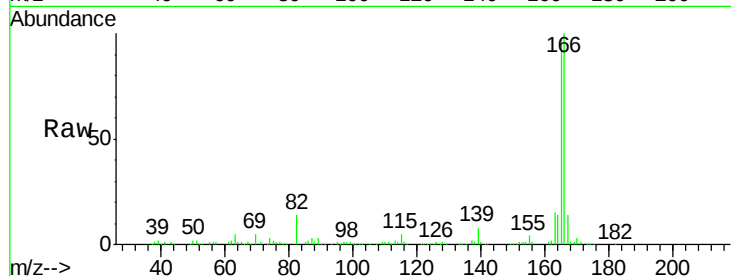
Tot Ion:166 Resp: 199514

Ion Ratio Lower Upper

166 100

165 97.1 79.2 118.8

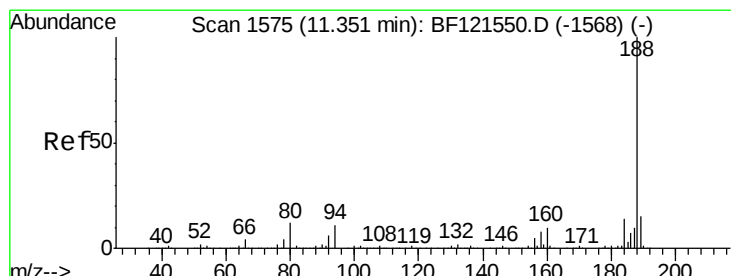
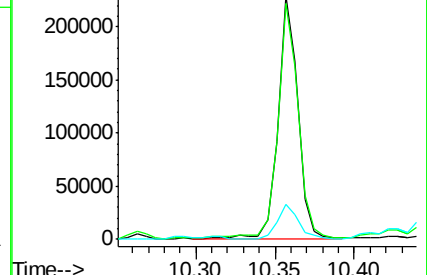
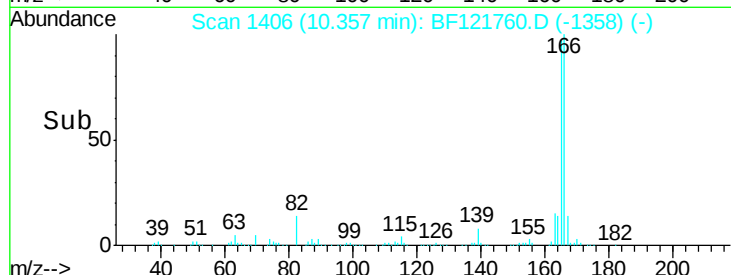
167 14.2 10.6 16.0



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: 11.30 min Scan# 1566

Delta R.T. -0.01 min

Lab File: BF121760.D

Acq: 1 Oct 2020 2:11

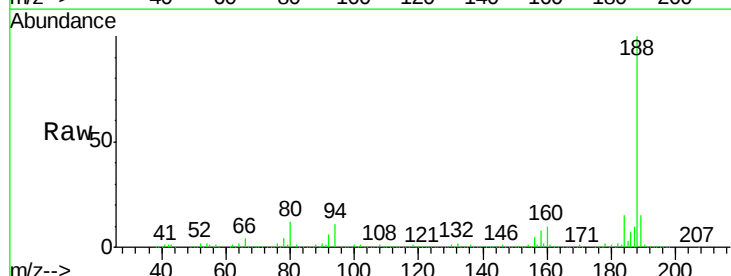
Tgt Ion:188 Resp: 537434

Ion Ratio Lower Upper

188 100

94 10.6 8.2 12.2

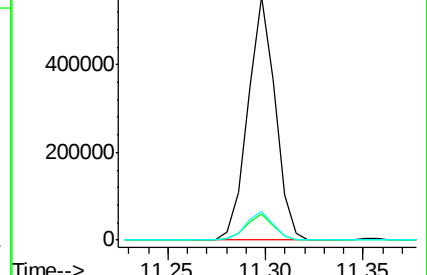
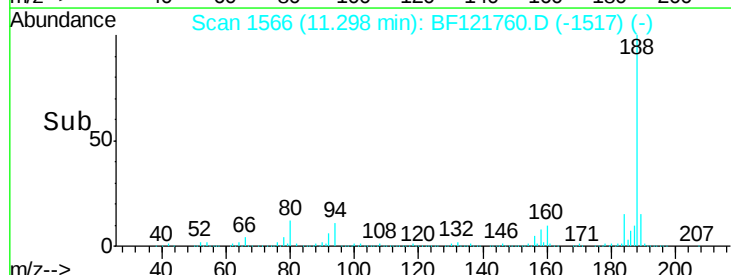
80 11.6 8.9 13.3

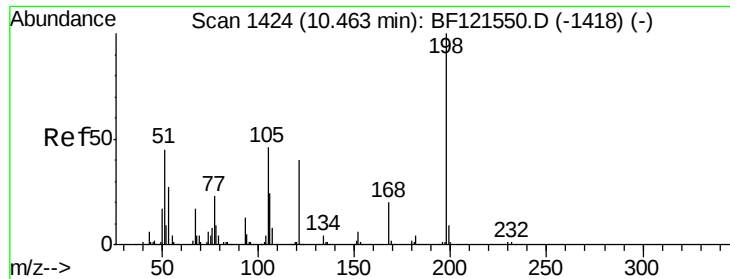


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

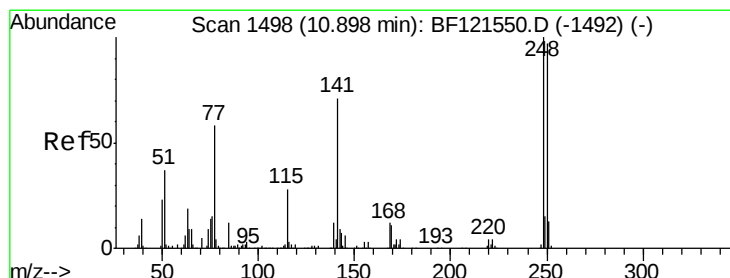
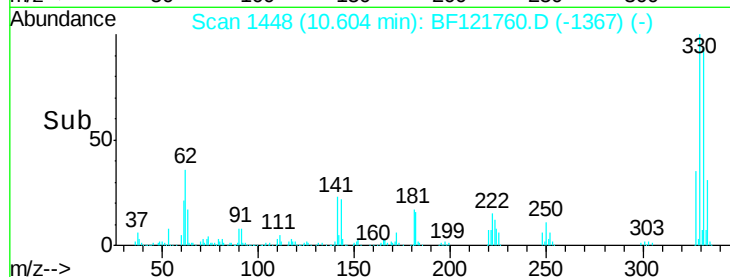
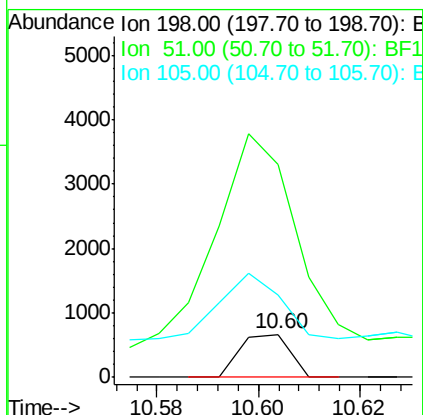
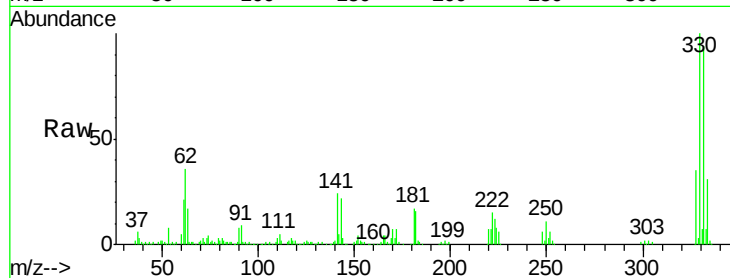




#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.970 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. 0.18 min
 Lab File: BF121760.D
 Acq: 1 Oct 2020 2:11

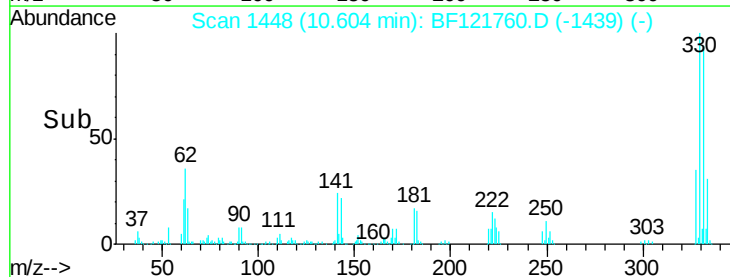
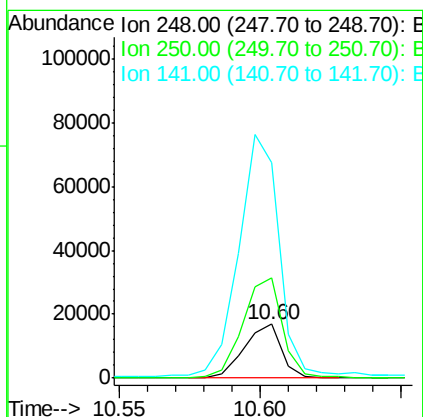
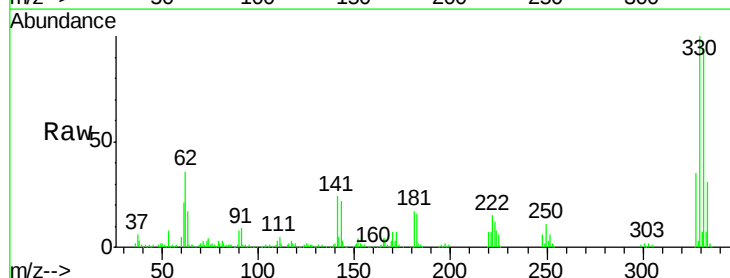
Instrument :
 BNA_F
 ClientSampleId :
 B-14(9-11)

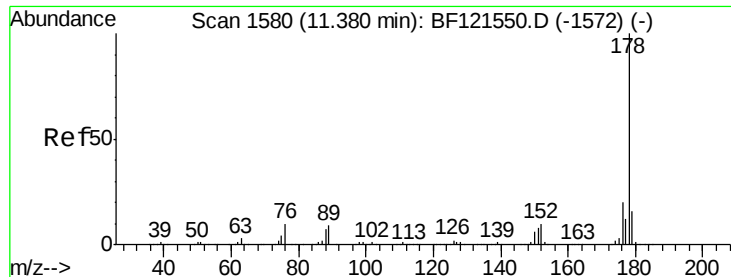
Tot Ion:198 Resp: 454
 Ion Ratio Lower Upper
 198 100
 51 495.6 34.7 74.7#
 105 191.1 27.8 67.8#



#67
 4-Bromophenyl-phenylether
 Concen: 2.534 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF121760.D
 Acq: 1 Oct 2020 2:11

Tgt Ion:248 Resp: 15507
 Ion Ratio Lower Upper
 248 100
 250 184.7 78.6 118.0#
 141 397.8 60.0 90.0#

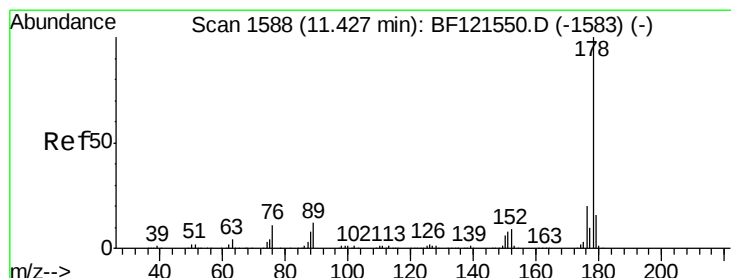
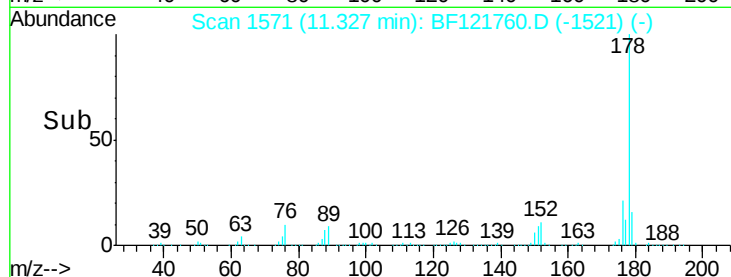
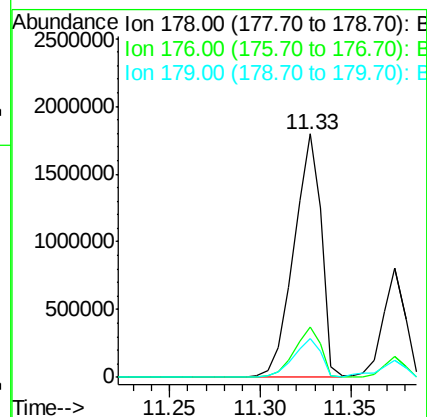
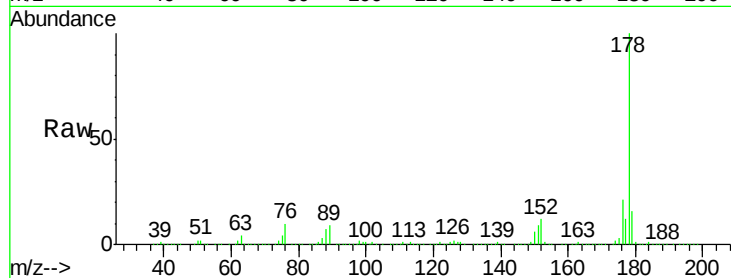




#71
Phenanthrene
Concen: 64.997 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

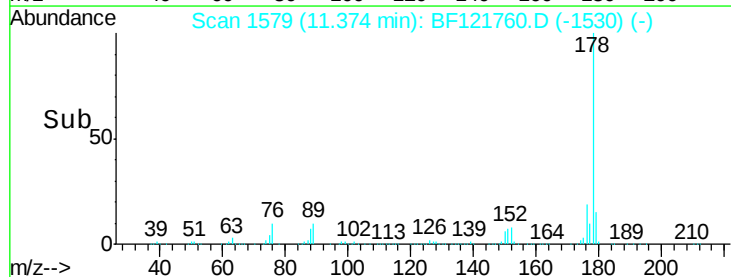
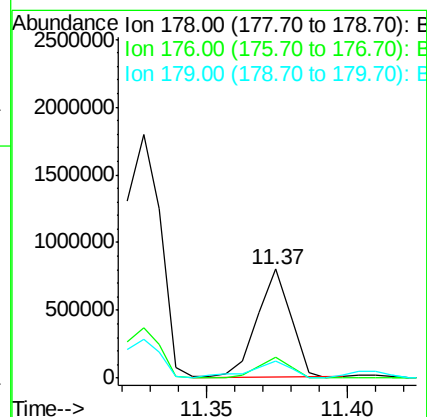
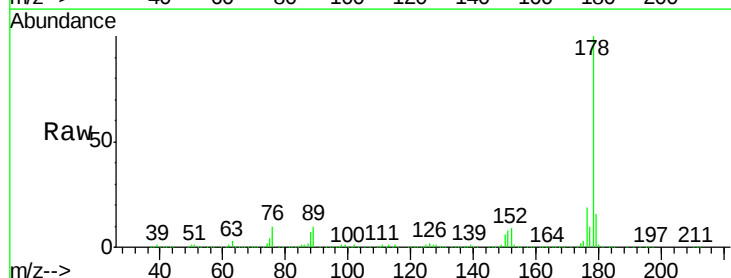
Instrument :
BNA_F
ClientSampleId :
B-14(9-11)

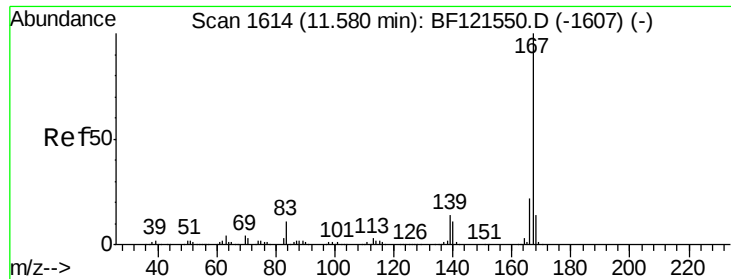
Tot Ion:178 Resp: 1903211
Ion Ratio Lower Upper
178 100
176 20.7 16.0 24.0
179 16.1 12.6 19.0



#72
Anthracene
Concen: 21.931 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Tgt Ion:178 Resp: 662705
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 15.5 12.6 19.0

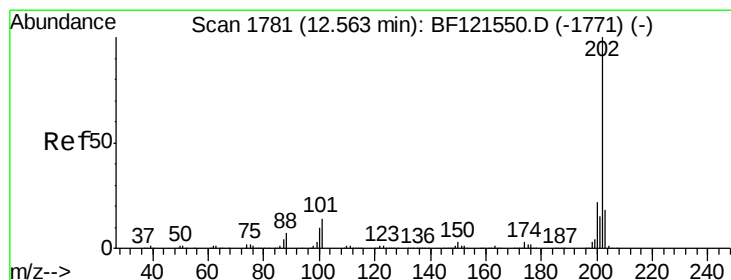
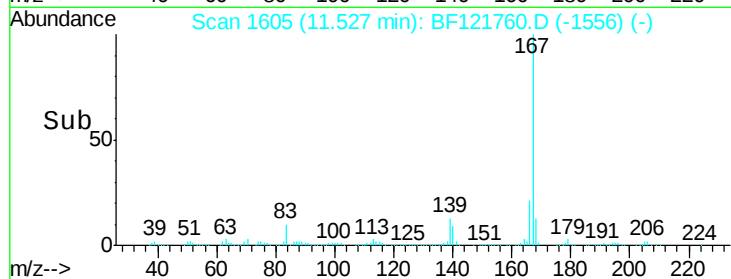
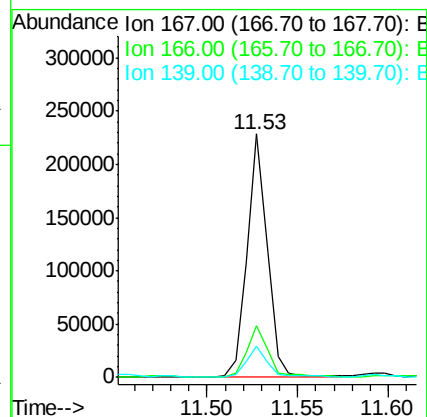
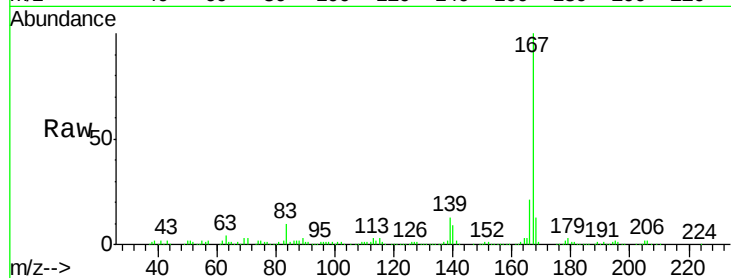




#73
 Carbazole
 Concen: 6.418 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.01 min
 Lab File: BF121760.D
 Acq: 1 Oct 2020 2:11

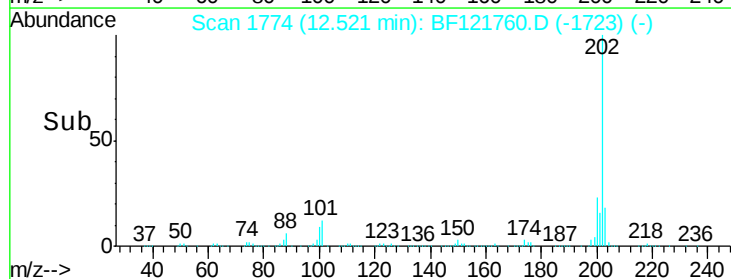
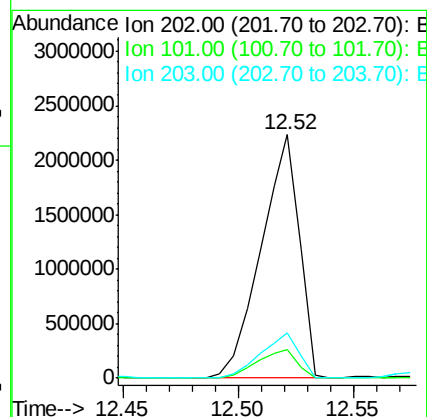
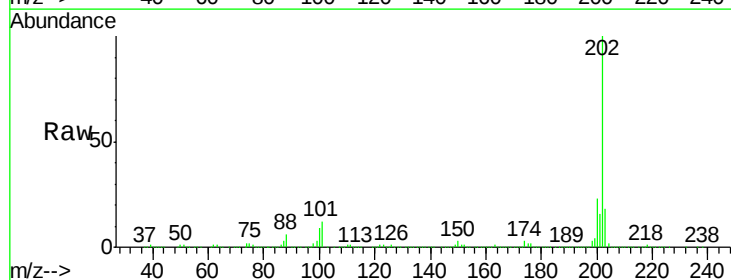
Instrument :
 BNA_F
 ClientSampleId :
 B-14(9-11)

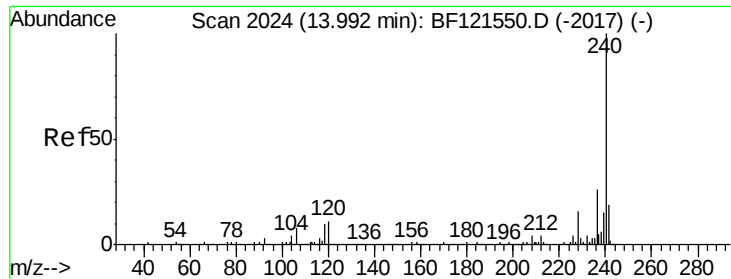
Tot Ion:167 Resp: 175008
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.7 26.5
 139 12.7 10.9 16.3



#75
 Fluoranthene
 Concen: 81.906 ng
 RT: 12.52 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: BF121760.D
 Acq: 1 Oct 2020 2:11

Tgt Ion:202 Resp: 2560198
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 32.0
 203 18.4 0.0 38.0

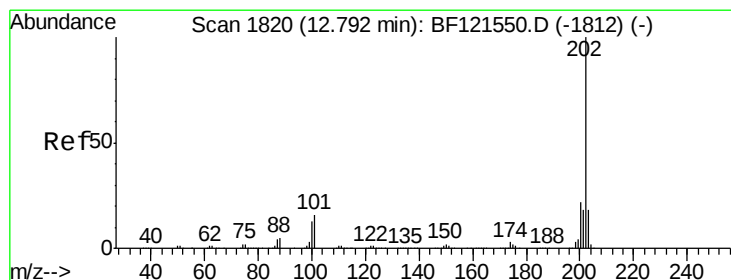
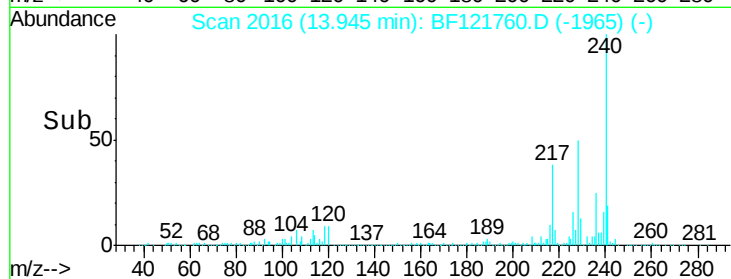
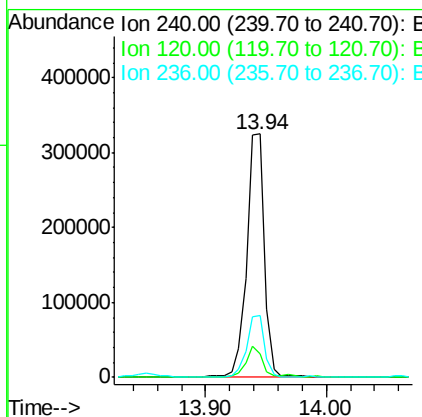
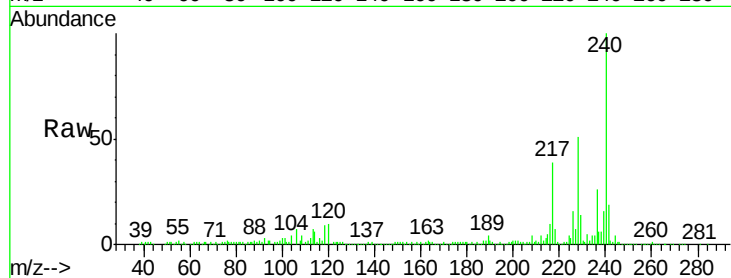




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.94 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

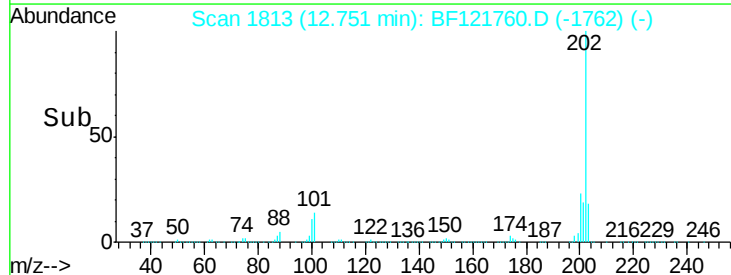
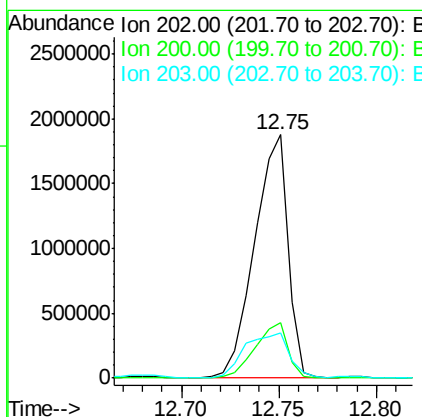
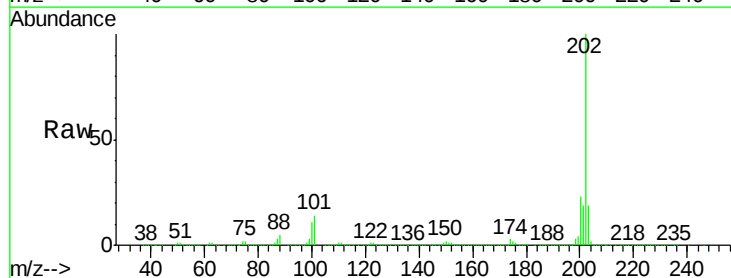
Instrument :
BNA_F
ClientSampleId :
B-14(9-11)

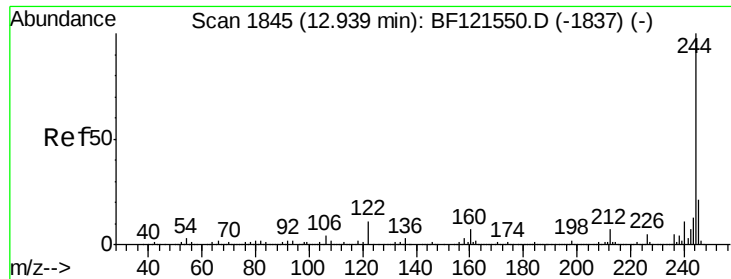
Tot Ion:240 Resp: 331126
Ion Ratio Lower Upper
240 100
120 9.6 10.2 15.4#
236 25.6 20.4 30.6



#78
Pyrene
Concen: 91.561 ng
RT: 12.75 min Scan# 1813
Delta R.T. 0.00 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Tgt Ion:202 Resp: 2215152
Ion Ratio Lower Upper
202 100
200 22.9 17.4 26.2
203 18.5 14.5 21.7





#79

Terphenyl-d14

Concen: 63.113 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF121760.D

Acq: 1 Oct 2020 2:11

Instrument :

BNA_F

ClientSampleId :

B-14(9-11)

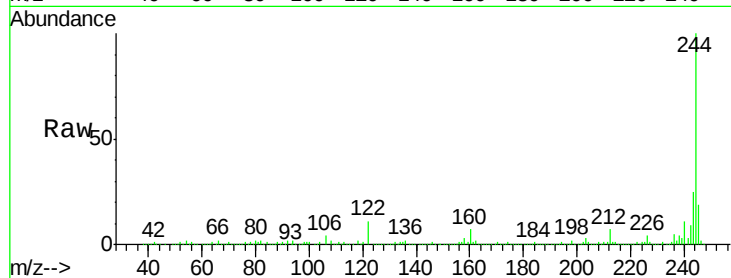
Tot Ion:244 Resp: 1031565

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

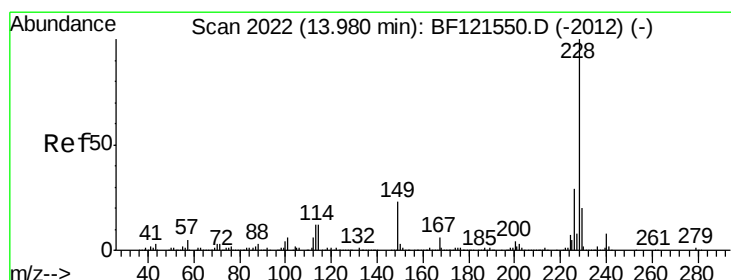
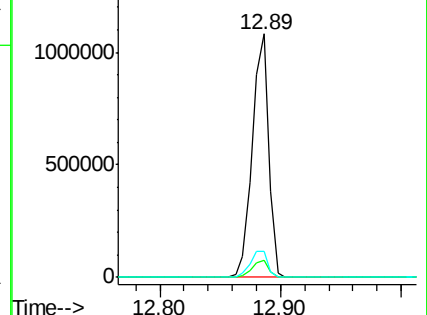
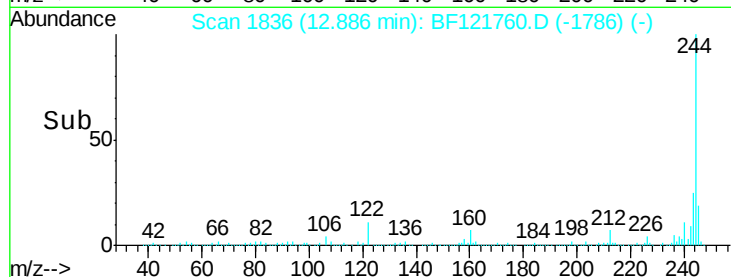
122 10.6 9.0 13.4



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: 58.236 ng

RT: 13.93 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BF121760.D

Acq: 1 Oct 2020 2:11

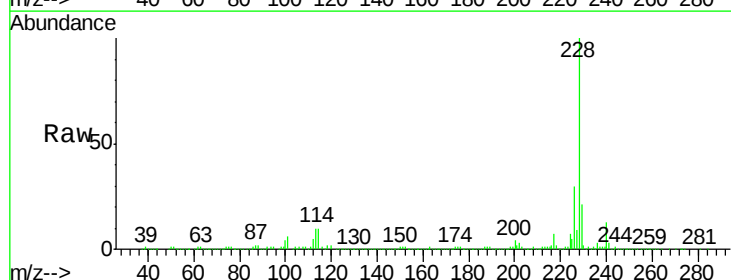
Tgt Ion:228 Resp: 1219969

Ion Ratio Lower Upper

228 100

226 29.5 22.2 33.2

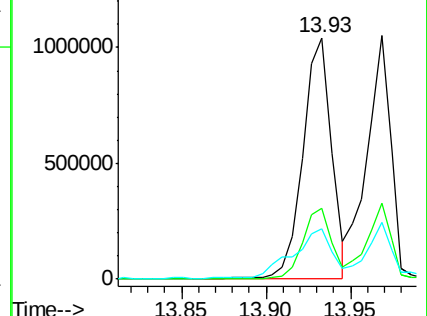
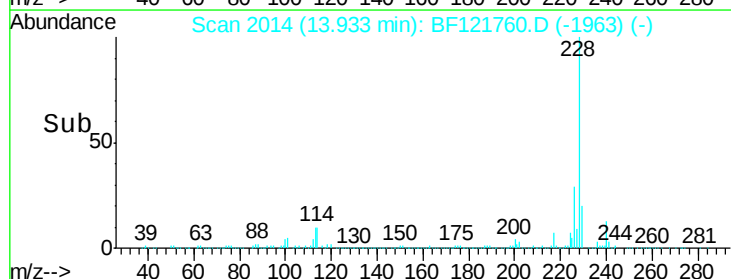
229 20.7 16.2 24.4

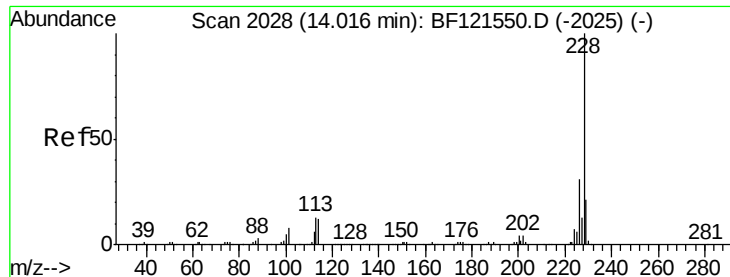


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 48.741 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF121760.D

Acq: 1 Oct 2020 2:11

Instrument :

BNA_F

ClientSampleId :

B-14(9-11)

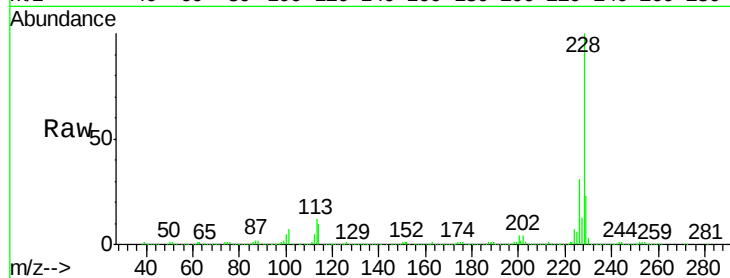
Tot Ion:228 Resp: 1033958

Ion Ratio Lower Upper

228 100

226 31.2 25.4 38.0

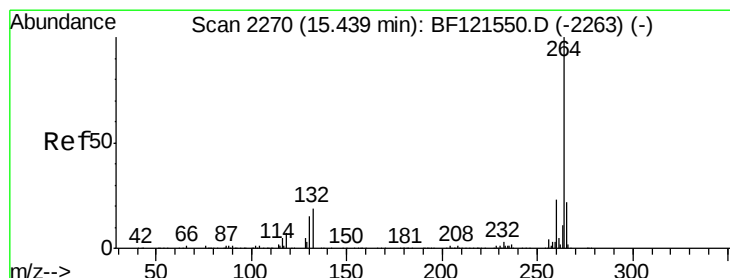
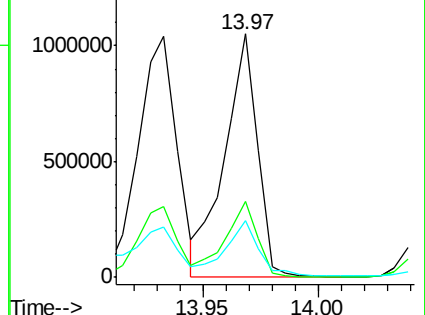
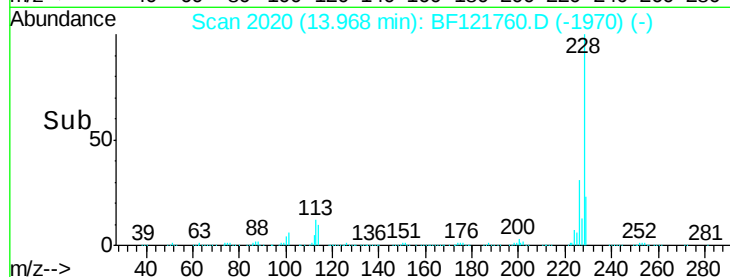
229 23.3 16.4 24.6



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.38 min Scan# 2260

Delta R.T. -0.01 min

Lab File: BF121760.D

Acq: 1 Oct 2020 2:11

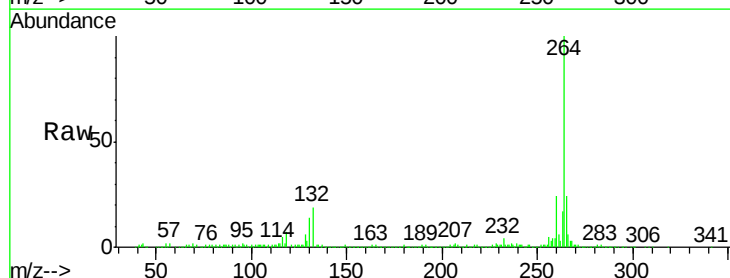
Tgt Ion:264 Resp: 331634

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

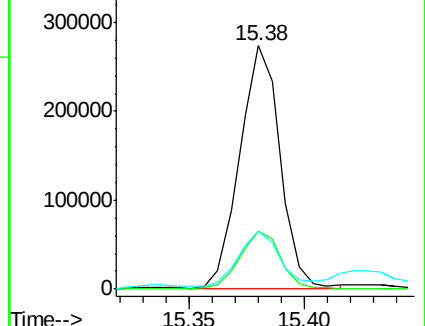
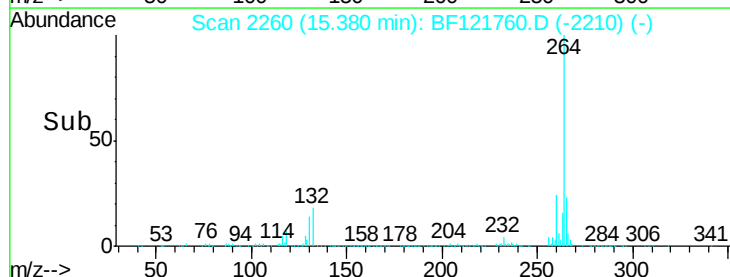
265 23.7 17.3 25.9

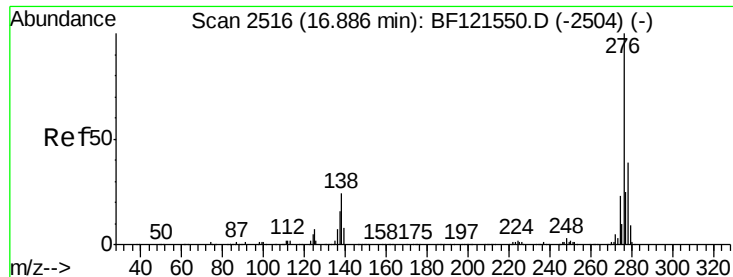


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

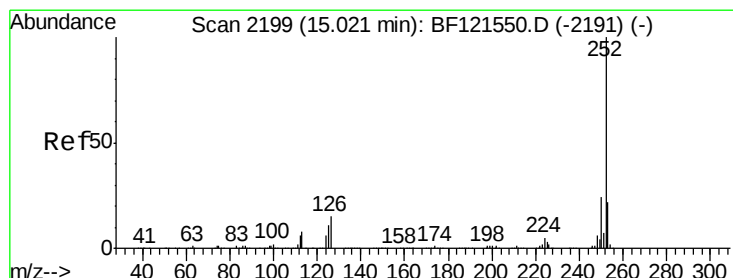
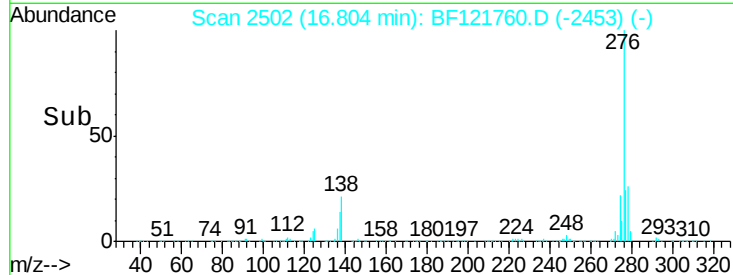
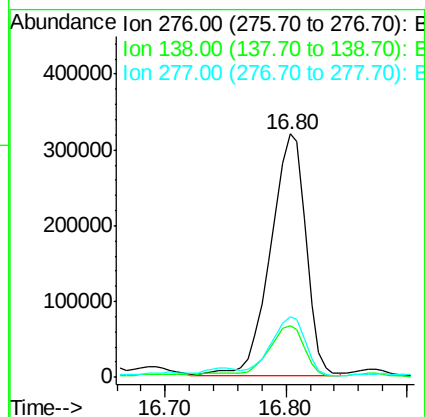
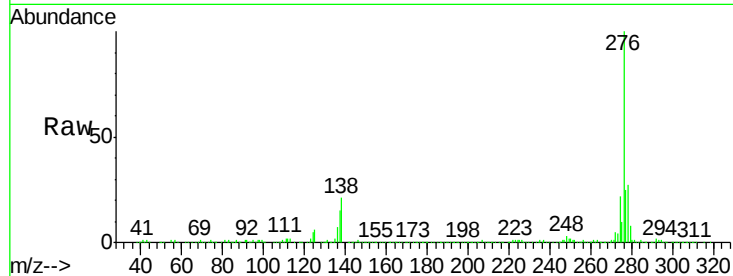




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 30.242 ng
 RT: 16.80 min Scan# 2502
 Delta R.T. -0.01 min
 Lab File: BF121760.D
 Acq: 1 Oct 2020 2:11

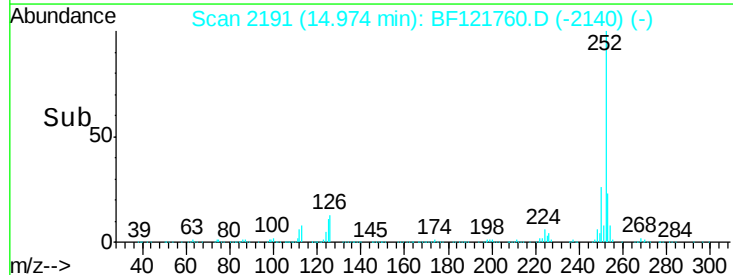
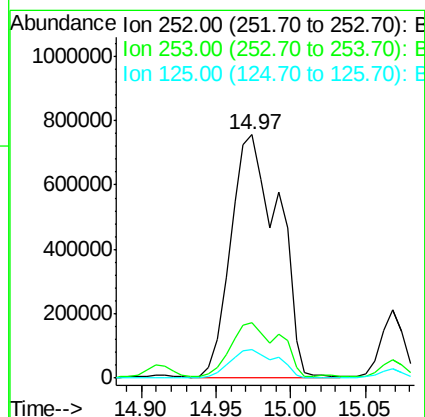
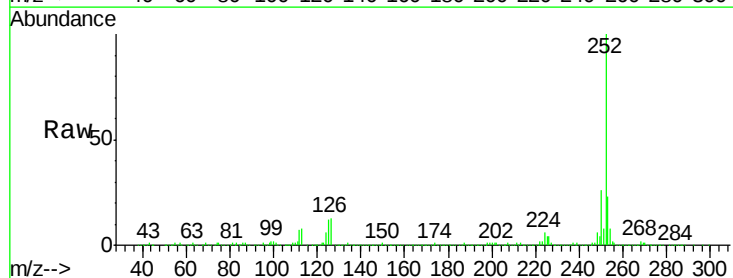
Instrument :
 BNA_F
 ClientSampleId :
 B-14(9-11)

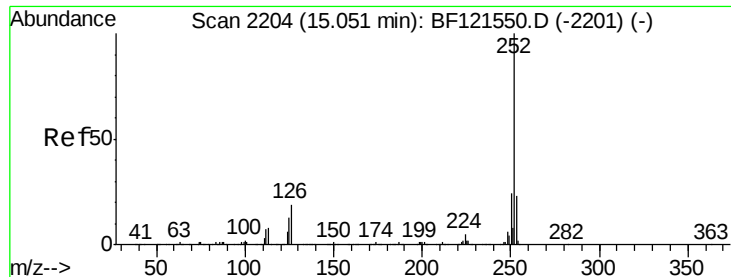
Tot Ion:276 Resp: 653148
 Ion Ratio Lower Upper
 276 100
 138 20.7 19.4 29.0
 277 23.5 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 75.576 ng
 RT: 14.97 min Scan# 2191
 Delta R.T. 0.00 min
 Lab File: BF121760.D
 Acq: 1 Oct 2020 2:11

Tgt Ion:252 Resp: 1675523
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.4 26.2
 125 11.5 8.0 12.0

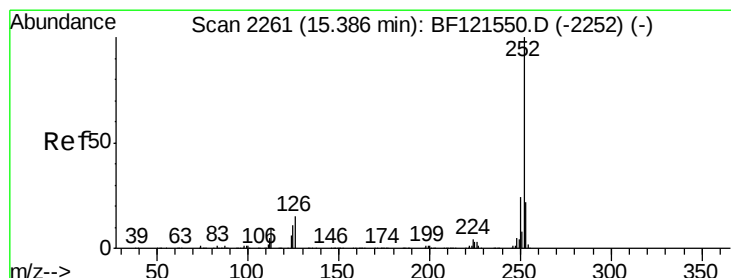
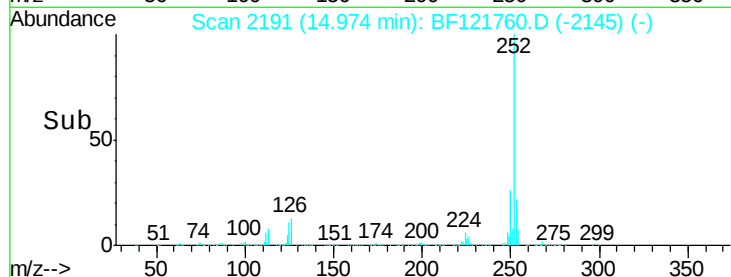
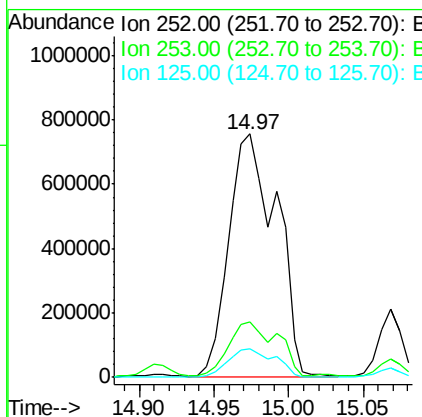
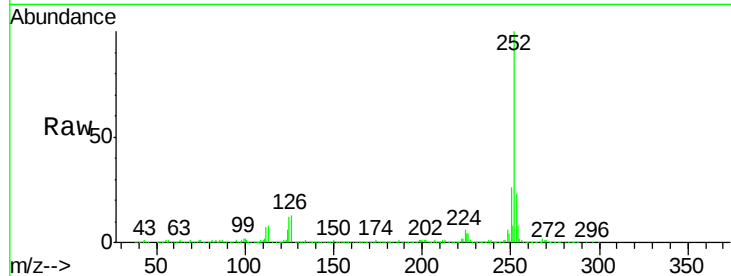




#89
Benzo(k)fluoranthene
Concen: 82.530 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.03 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

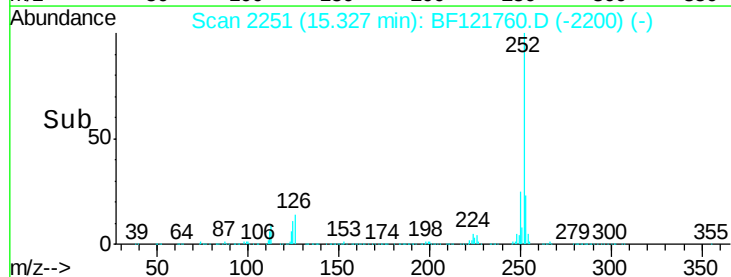
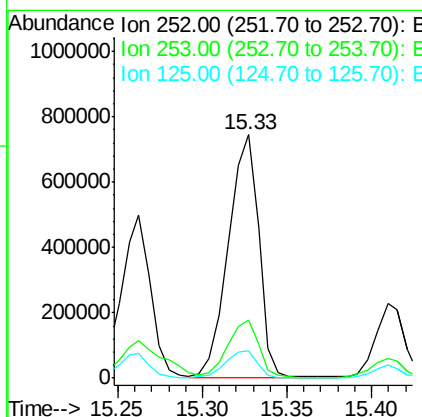
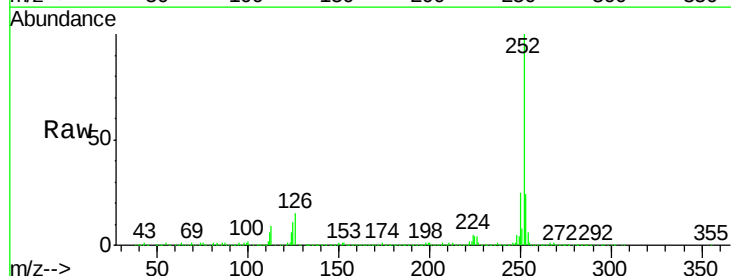
Instrument :
BNA_F
ClientSampleId :
B-14(9-11)

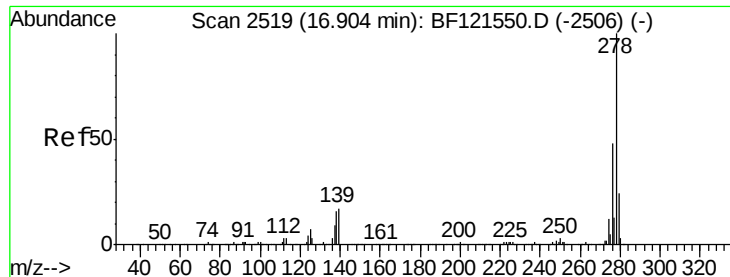
Tot Ion:252 Resp: 1675523
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 11.5 7.8 11.6



#90
Benzo(a)pyrene
Concen: 49.313 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.00 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Tgt Ion:252 Resp: 929329
Ion Ratio Lower Upper
252 100
253 23.8 17.3 25.9
125 11.3 9.2 13.8





#91

Dibenzo(a,h)anthracene

Concen: 9.241 ng

RT: 16.81 min Scan# 2503

Delta R.T. -0.02 min

Lab File: BF121760.D

Acq: 1 Oct 2020 2:11

Instrument :

BNA_F

ClientSampleId :

B-14(9-11)

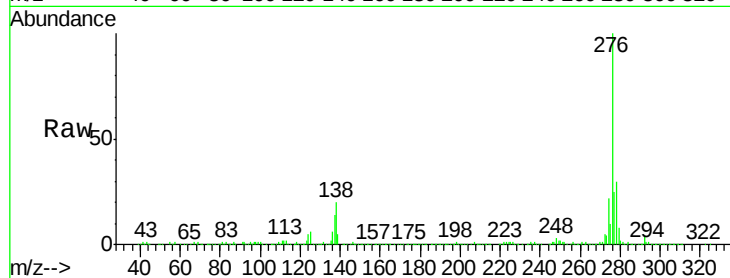
Tot Ion:278 Resp: 166140

Ion Ratio Lower Upper

278 100

139 17.9 12.5 18.7

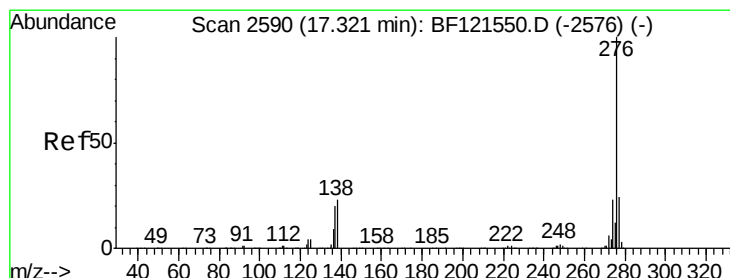
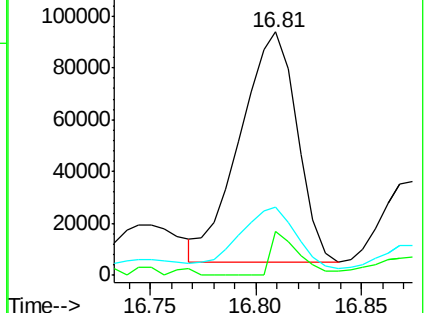
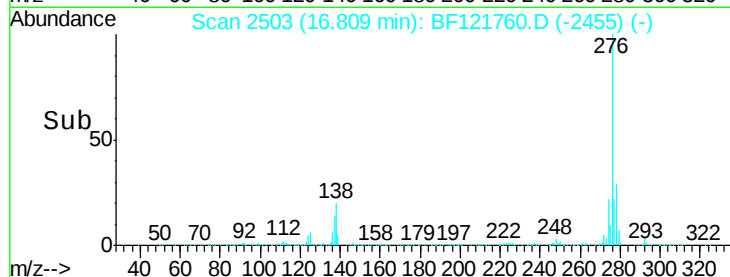
279 27.9 19.2 28.8



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(g,h,i)perylene

Concen: 32.966 ng

RT: 17.23 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BF121760.D

Acq: 1 Oct 2020 2:11

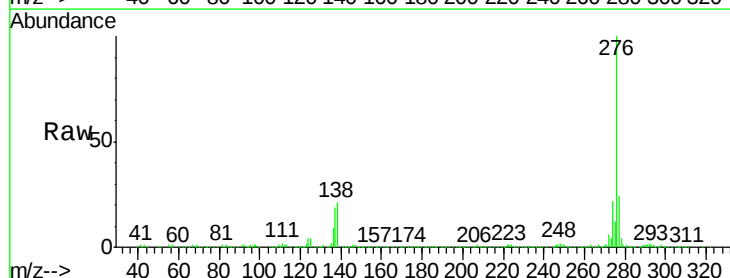
Tgt Ion:276 Resp: 582566

Ion Ratio Lower Upper

276 100

277 24.2 19.2 28.8

138 21.3 16.7 25.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

