

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021521\
 Data File : BF123210.D
 Acq On : 15 Feb 2021 18:01
 Operator : JU/CG
 Sample : M1400-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BIN-2

Quant Time: Feb 15 23:44:53 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 12 16:59:49 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

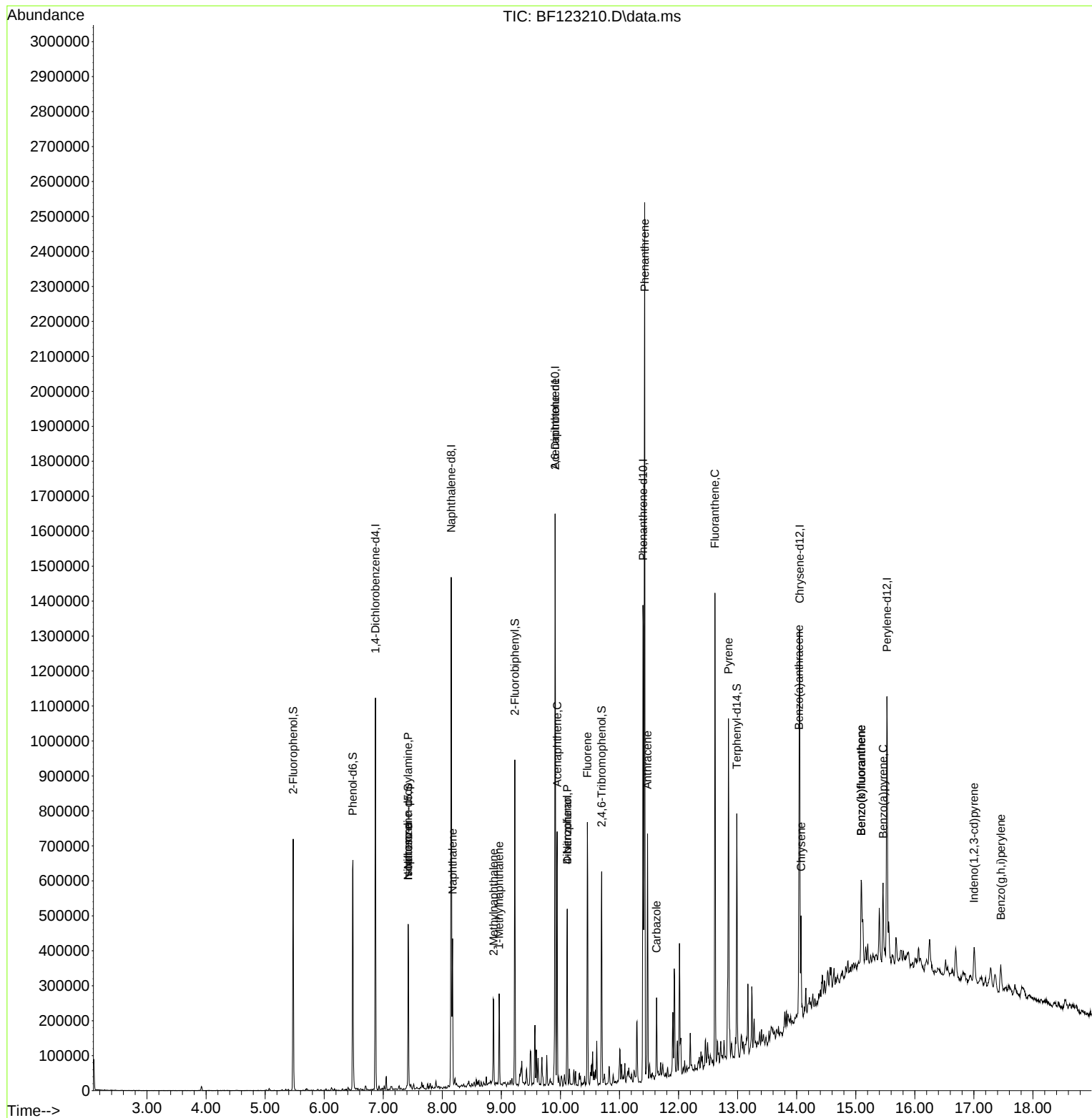
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	152268	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	599090	20.00	ng	0.00
39) Acenaphthene-d10	9.910	164	294875	20.00	ng	0.00
64) Phenanthrene-d10	11.398	188	513756	20.00	ng	0.00
76) Chrysene-d12	14.051	240	334868	20.00	ng	0.00
86) Perylene-d12	15.527	264	333167	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	181163	18.03	ng	0.00
7) Phenol-d6	6.487	99	223670	16.86	ng	-0.01
23) Nitrobenzene-d5	7.422	82	135183	11.86	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	52233	16.40	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	236539	11.99	ng	0.00
79) Terphenyl-d14	12.986	244	187351	11.21	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.422	70	18701	2.46	ng	Qvalue # 79
25) Isophorone	7.422	82	135182	6.38	ng	# 65
31) Naphthalene	8.175	128	162980	5.05	ng	99
37) 2-Methylnaphthalene	8.869	142	68589	3.21	ng	96
38) 1-Methylnaphthalene	8.963	142	64390	3.21	ng	96
51) 2,6-Dinitrotoluene	9.910	165	40078	7.80	ng	# 32
52) Acenaphthene	9.945	154	146252	7.34	ng	98
55) Dibenzofuran	10.116	168	162867	6.04	ng	98
56) 4-Nitrophenol	10.116	139	67170	13.37	ng	# 15
58) Fluorene	10.457	166	198090	9.47	ng	99
71) Phenanthrene	11.427	178	842887	27.85	ng	99
72) Anthracene	11.475	178	236430	7.82	ng	97
73) Carbazole	11.627	167	80156	2.78	ng	97
75) Fluoranthene	12.616	202	468882	15.42	ng	98
78) Pyrene	12.845	202	363352	14.68	ng	99
81) Benzo(a)anthracene	14.039	228	133061	5.90	ng	99
83) Chrysene	14.074	228	102274	4.60	ng	98
87) Indeno(1,2,3-cd)pyrene	17.004	276	61918	2.71	ng	99
88) Benzo(b)fluoranthene	15.092	252	179527	7.67	ng	# 95
89) Benzo(k)fluoranthene	15.092	252	179527	8.35	ng	# 94
90) Benzo(a)pyrene	15.462	252	102423	4.89	ng	# 95
92) Benzo(g,h,i)perylene	17.456	276	58655	3.11	ng	# 90

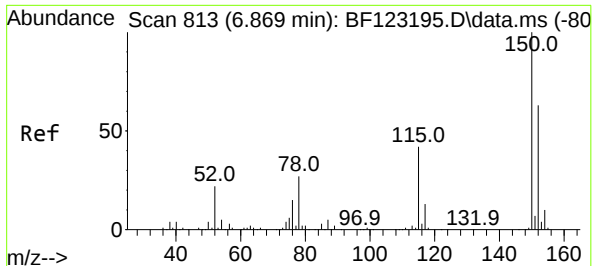
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 12 16:59:49 2021
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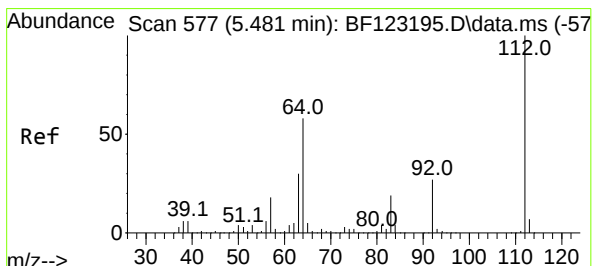
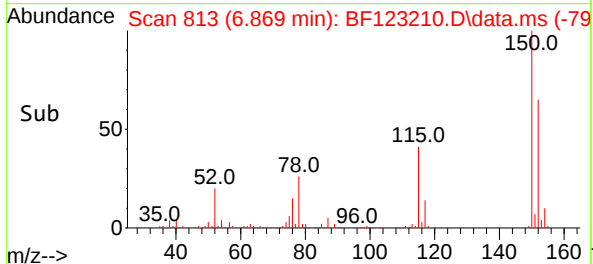
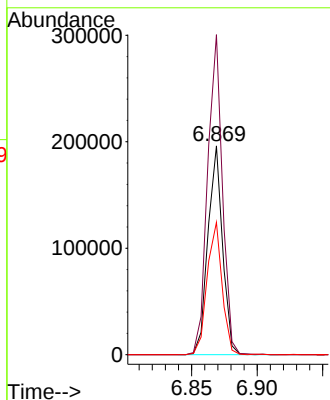
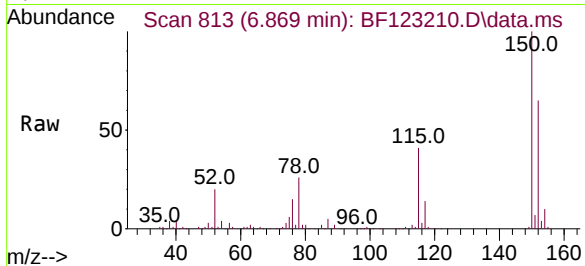




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

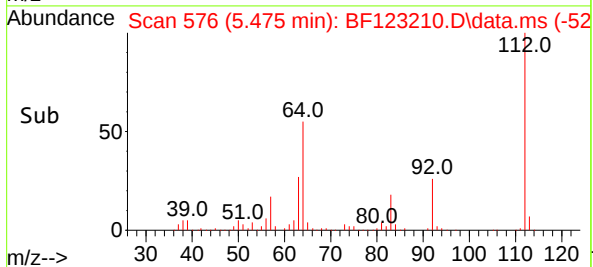
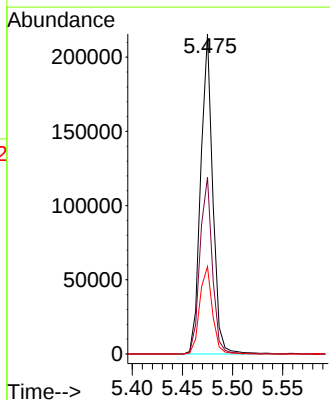
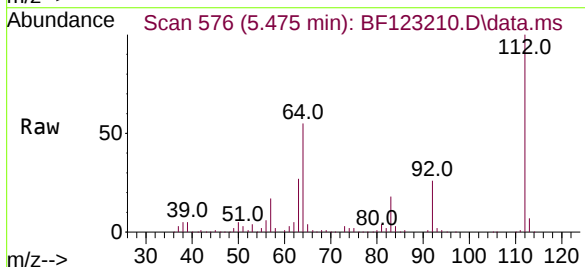
Instrument :
BNA_F
ClientSampleId :
BIN-2

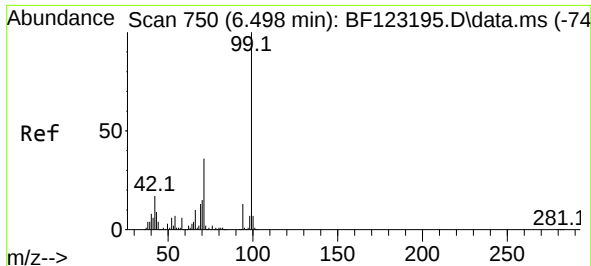
Tgt Ion:152 Resp: 152268
Ion Ratio Lower Upper
152 100
150 153.2 125.8 188.6
115 63.4 49.3 73.9



#5
2-Fluorophenol
Concen: 18.03 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

Tgt Ion:112 Resp: 181163
Ion Ratio Lower Upper
112 100
64 55.2 46.9 70.3
63 27.3 24.5 36.7

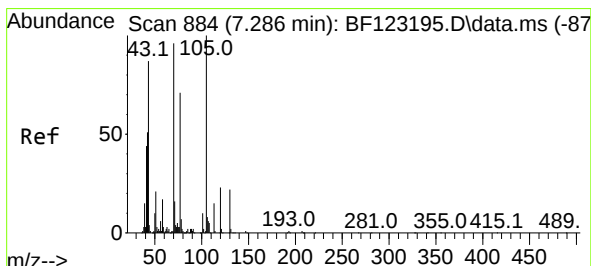
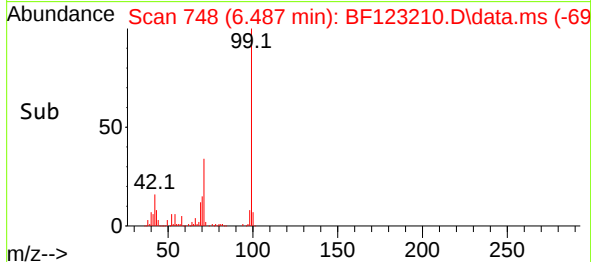
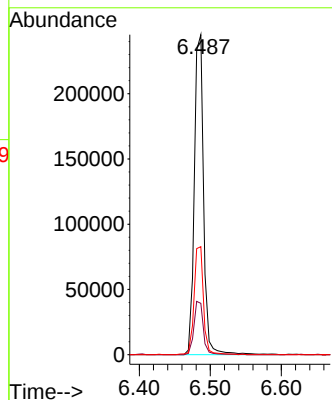
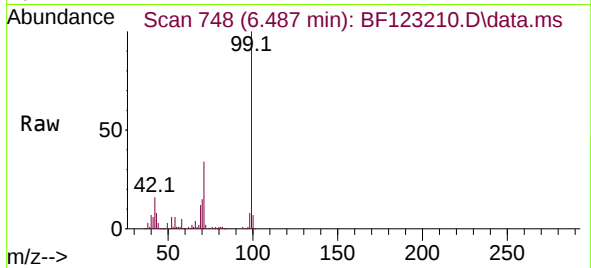




#7
Phenol-d6
Concen: 16.86 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

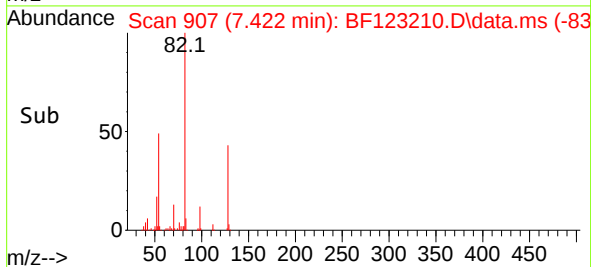
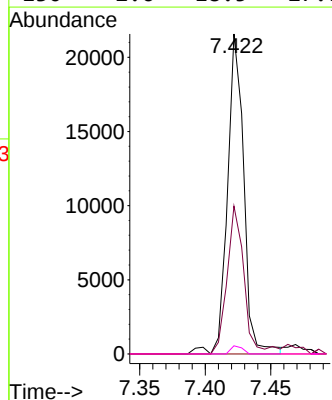
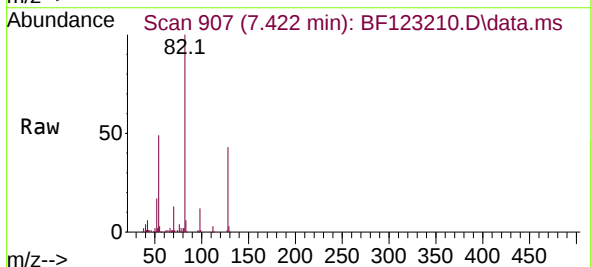
Instrument :
BNA_F
ClientSampleId :
BIN-2

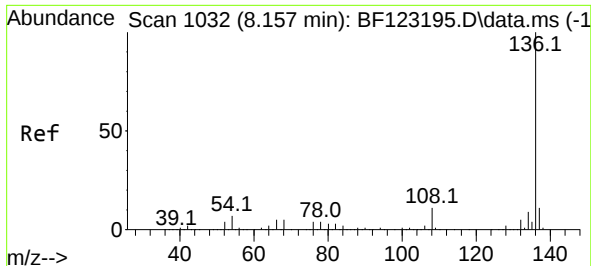
Tgt Ion: 99 Resp: 223670
Ion Ratio Lower Upper
99 100
42 16.1 13.8 20.6
71 33.7 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 2.46 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.135 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

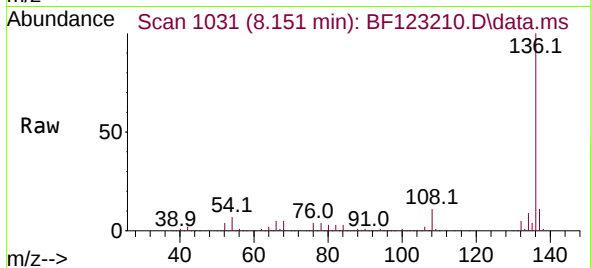
Tgt Ion: 70 Resp: 18701
Ion Ratio Lower Upper
70 100
42 46.2 43.0 64.4
101 0.0 7.9 11.9#
130 2.6 18.5 27.7#



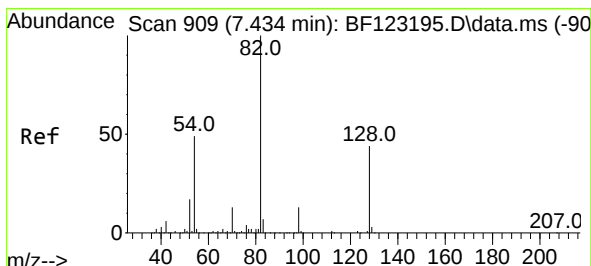
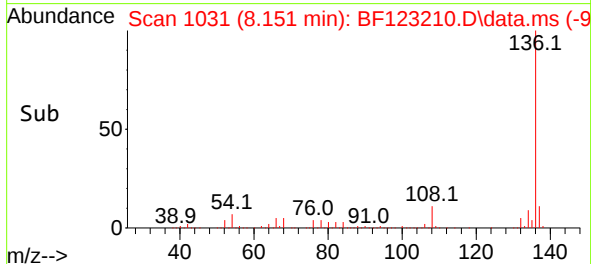
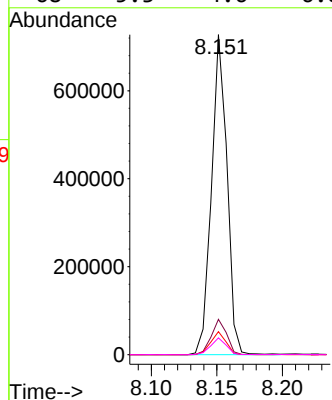


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

Instrument :
BNA_F
ClientSampleId :
BIN-2

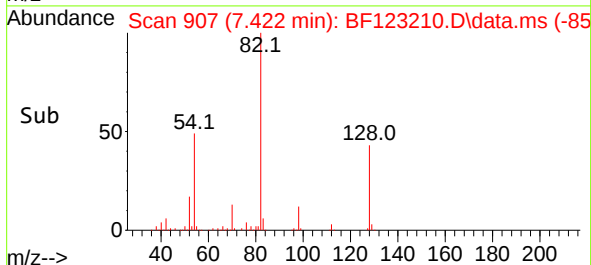
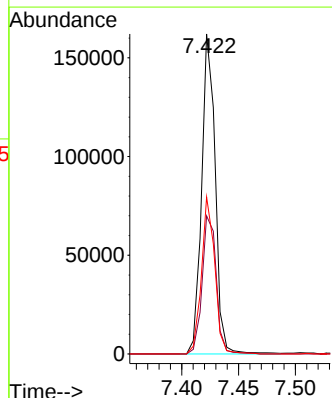
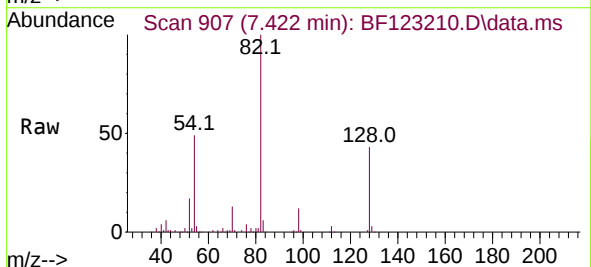


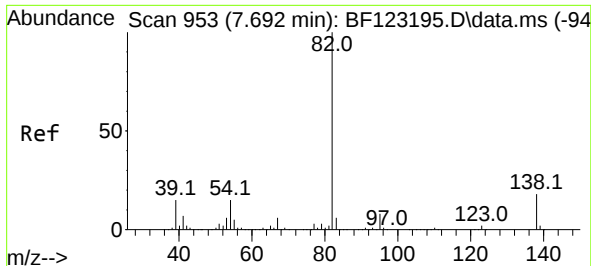
Tgt Ion:136 Resp: 599090
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.2 5.5 8.3
68 5.3 4.6 6.8



#23
Nitrobenzene-d5
Concen: 11.86 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

Tgt Ion: 82 Resp: 135183
Ion Ratio Lower Upper
82 100
128 43.2 37.0 55.4
54 49.0 38.4 57.6

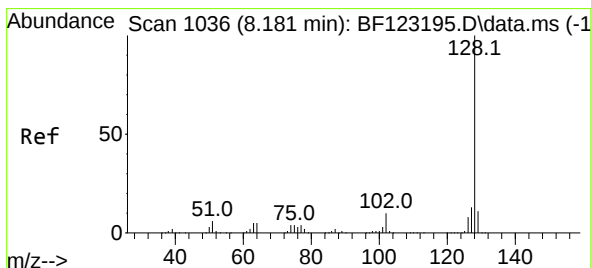
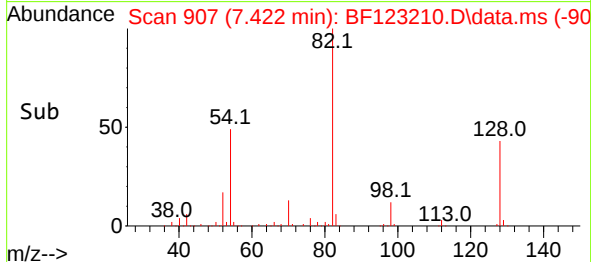
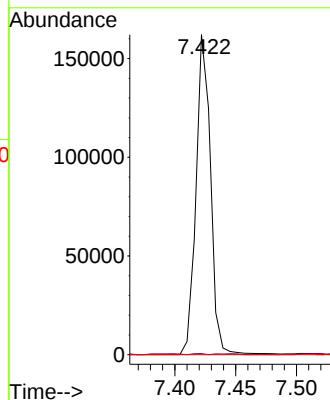
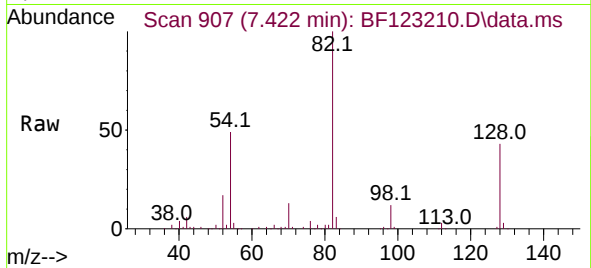




#25
Isophorone
Concen: 6.38 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.270 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

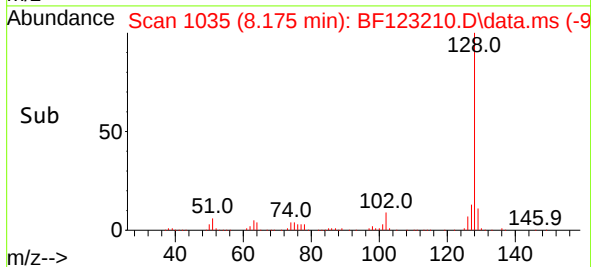
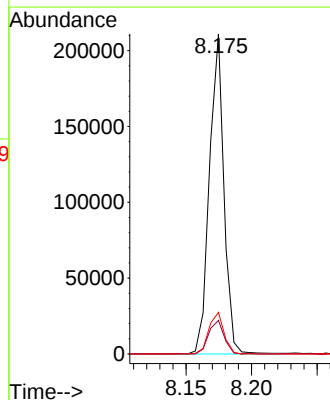
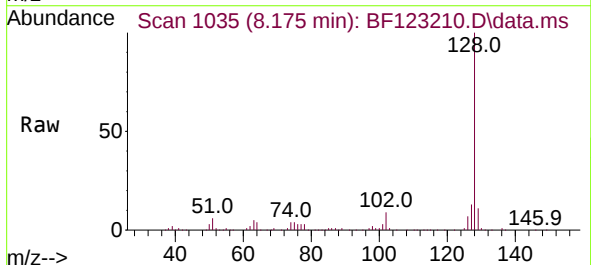
Instrument :
BNA_F
ClientSampleId :
BIN-2

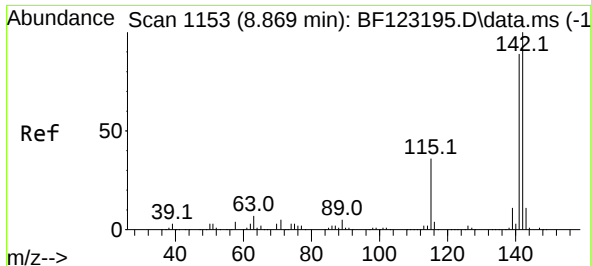
Tgt Ion: 82 Resp: 135182
Ion Ratio Lower Upper
82 100
95 0.4 5.8 8.6#
138 0.0 14.6 21.8#



#31
Naphthalene
Concen: 5.05 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

Tgt Ion: 128 Resp: 162980
Ion Ratio Lower Upper
128 100
129 10.5 9.0 13.6
127 13.0 10.7 16.1

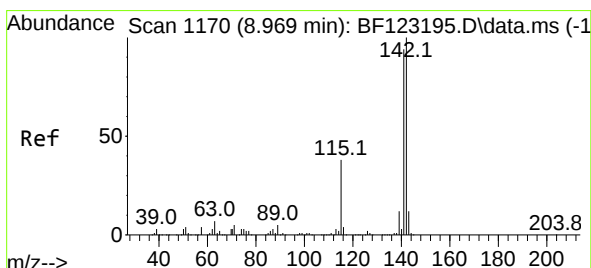
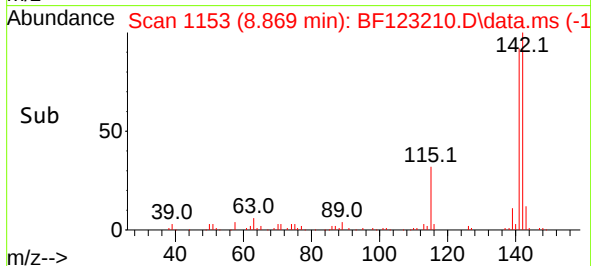
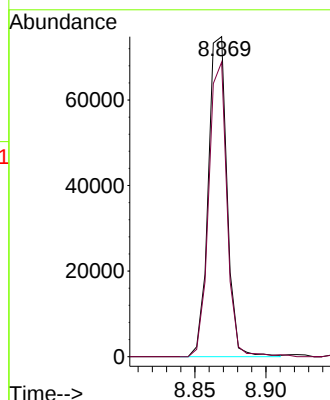
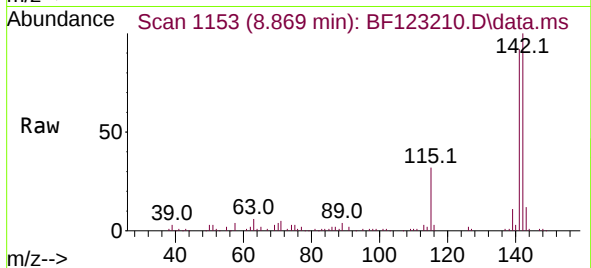




#37
2-Methylnaphthalene
Concen: 3.21 ng
RT: 8.869 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

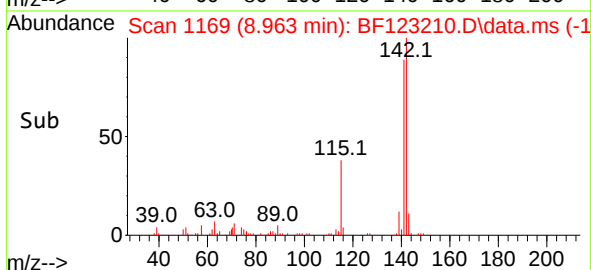
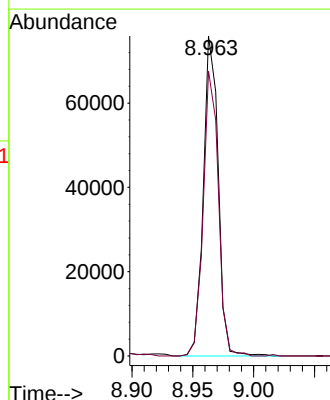
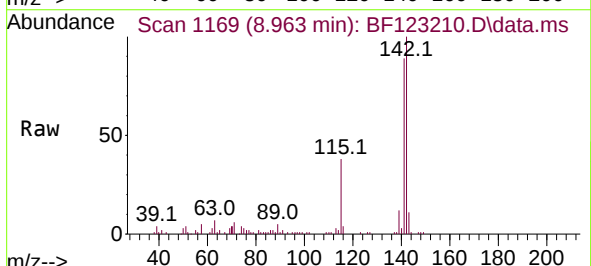
Instrument :
BNA_F
ClientSampleId :
BIN-2

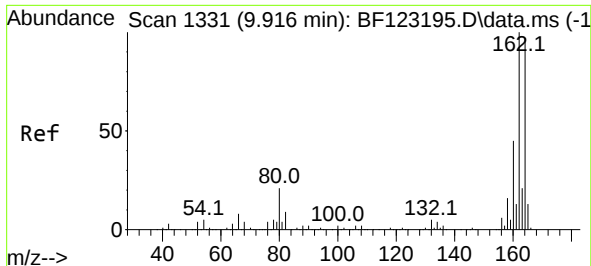
Tgt Ion:142 Resp: 68589
Ion Ratio Lower Upper
142 100
141 92.1 70.6 106.0



#38
1-Methylnaphthalene
Concen: 3.21 ng
RT: 8.963 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

Tgt Ion:142 Resp: 64390
Ion Ratio Lower Upper
142 100
141 89.1 74.5 111.7

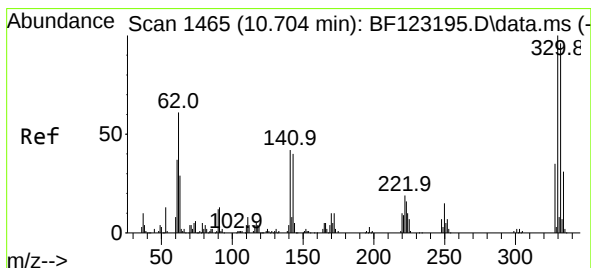
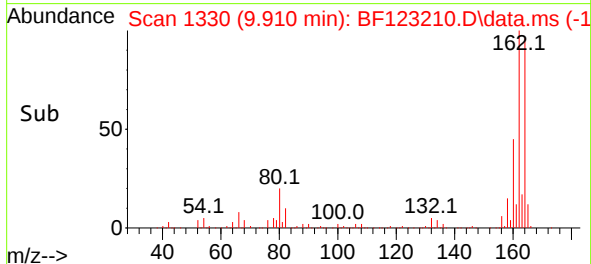
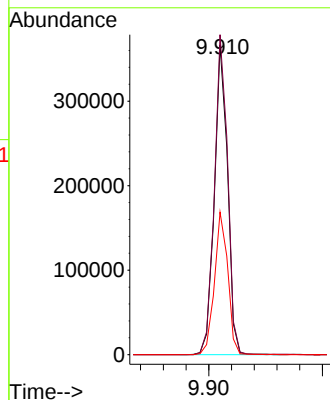
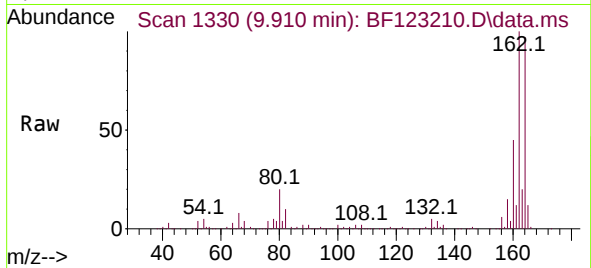




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

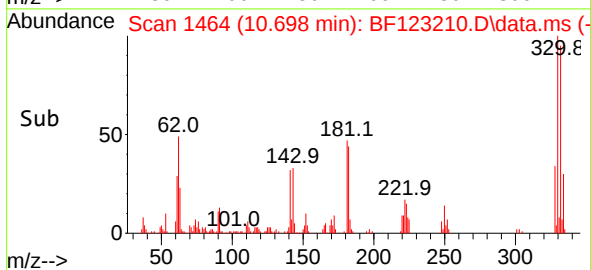
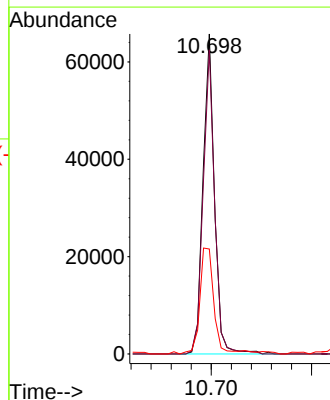
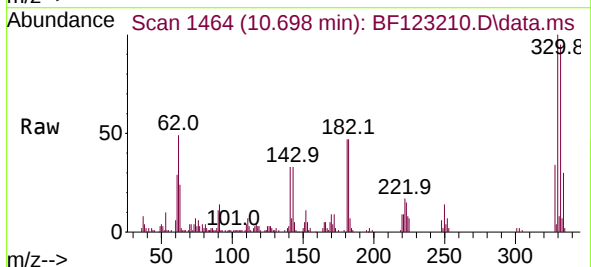
Instrument :
BNA_F
ClientSampleId :
BIN-2

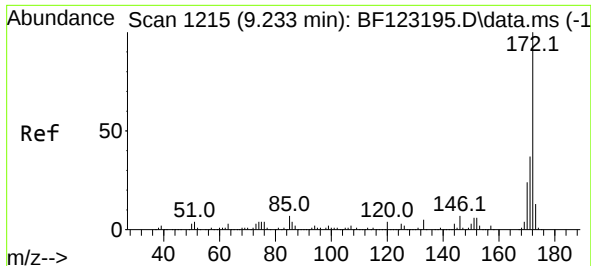
Tgt Ion:164 Resp: 294875
Ion Ratio Lower Upper
164 100
162 103.3 80.8 121.2
160 46.0 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 16.40 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

Tgt Ion:330 Resp: 52233
Ion Ratio Lower Upper
330 100
332 95.7 77.5 116.3
141 40.2 23.8 35.8#

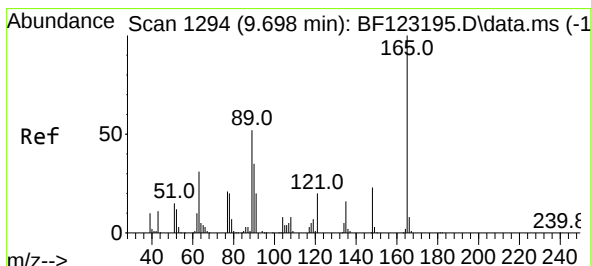
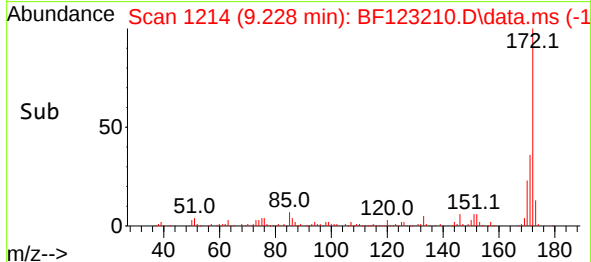
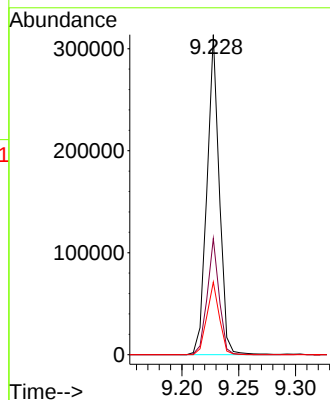
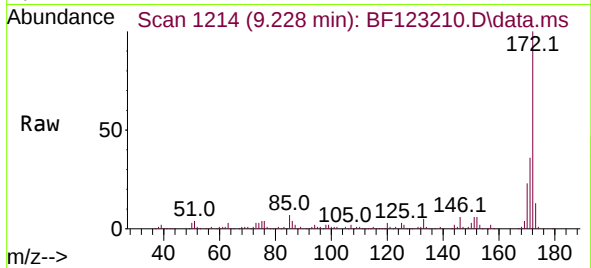




#45
2-Fluorobiphenyl
Concen: 11.99 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

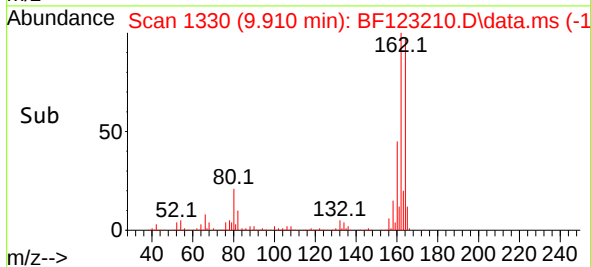
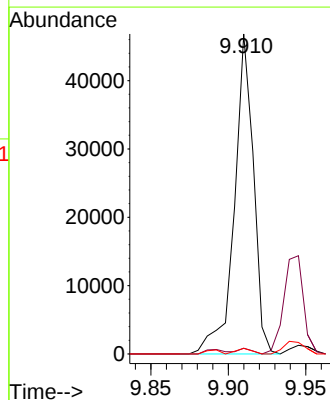
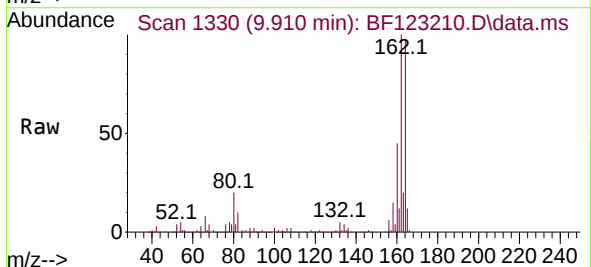
Instrument :
BNA_F
ClientSampleId :
BIN-2

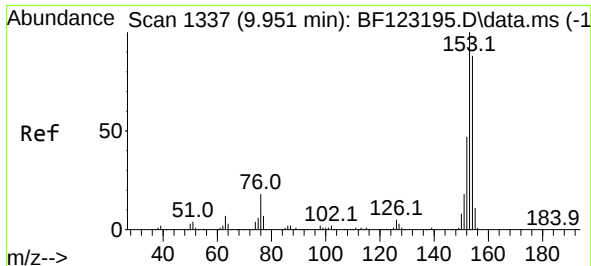
Tgt Ion:172 Resp: 236539
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 22.7 19.5 29.3



#51
2,6-Dinitrotoluene
Concen: 7.80 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.212 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

Tgt Ion:165 Resp: 40078
Ion Ratio Lower Upper
165 100
63 1.8 36.6 55.0#
89 1.8 39.4 59.0#

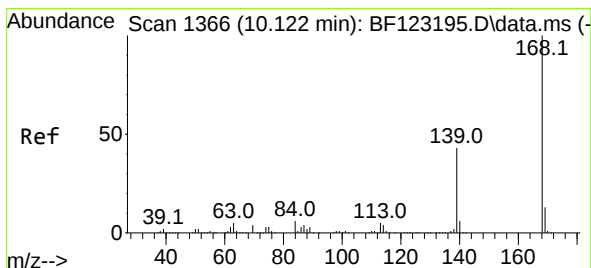
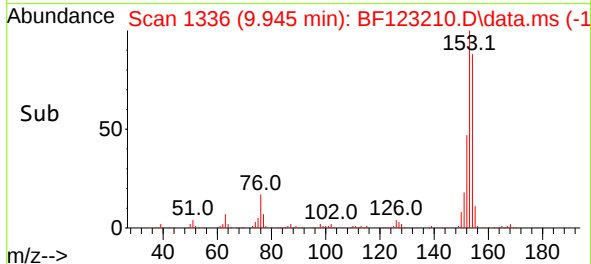
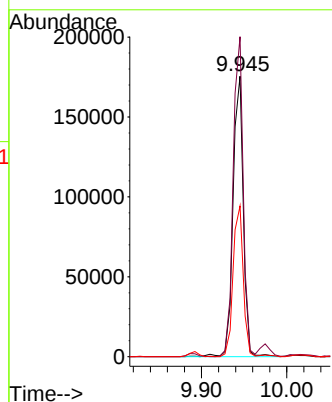
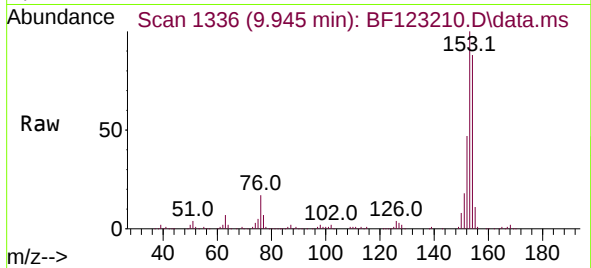




#52
Acenaphthene
Concen: 7.34 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

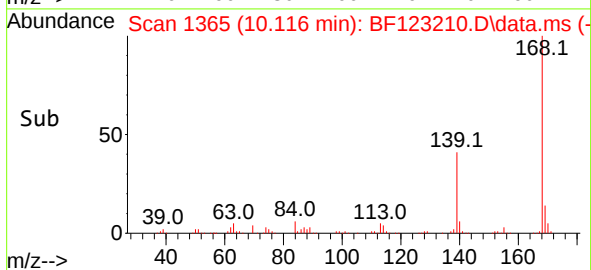
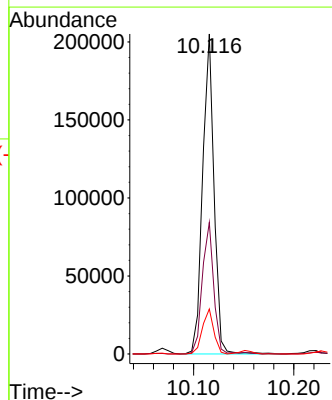
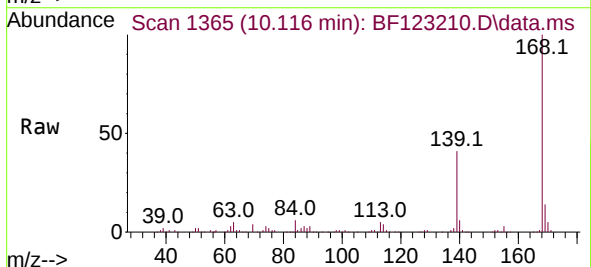
Instrument :
BNA_F
ClientSampleId :
BIN-2

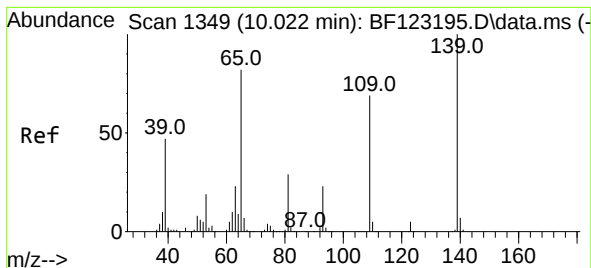
Tgt Ion:154 Resp: 146252
Ion Ratio Lower Upper
154 100
153 114.1 89.0 133.6
152 53.7 42.7 64.1



#55
Dibenzofuran
Concen: 6.04 ng
RT: 10.116 min Scan# 1365
Delta R.T. -0.006 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

Tgt Ion:168 Resp: 162867
Ion Ratio Lower Upper
168 100
139 41.1 31.3 46.9
169 14.0 11.2 16.8

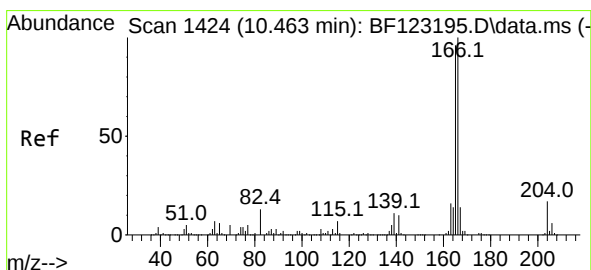
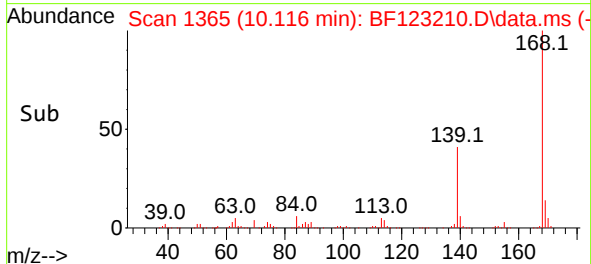
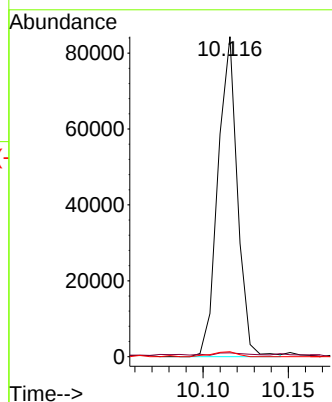
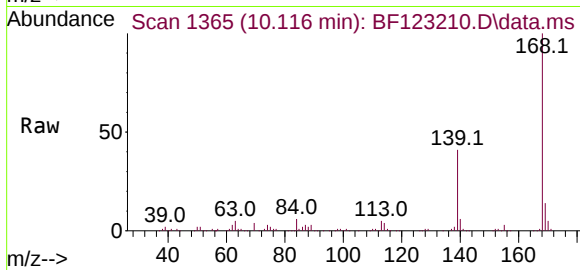




#56
4-Nitrophenol
Concen: 13.37 ng
RT: 10.116 min Scan# 1365
Delta R.T. 0.094 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

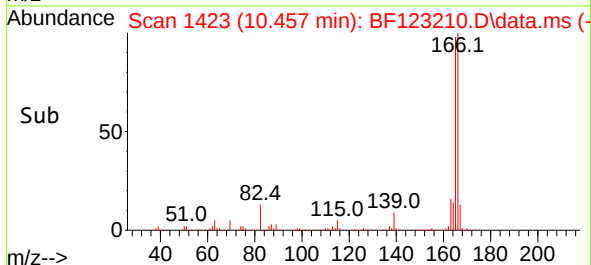
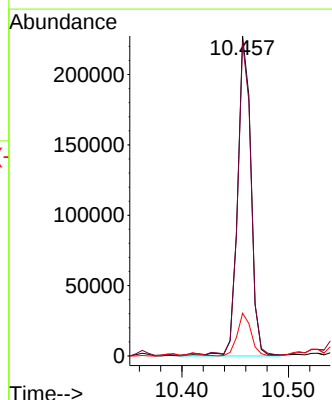
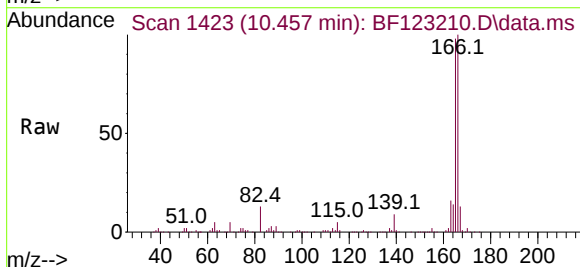
Instrument :
BNA_F
ClientSampleId :
BIN-2

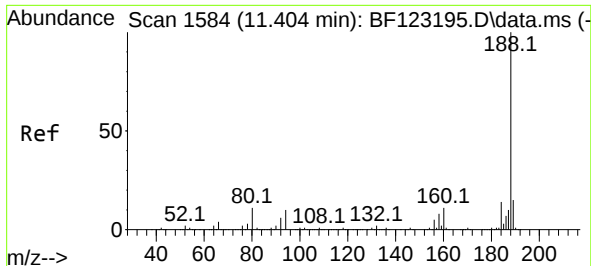
Tgt Ion:139 Resp: 67170
Ion Ratio Lower Upper
139 100
109 1.2 45.1 85.1#
65 1.5 59.2 99.2#



#58
Fluorene
Concen: 9.47 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

Tgt Ion:166 Resp: 198090
Ion Ratio Lower Upper
166 100
165 98.1 79.4 119.0
167 13.4 10.9 16.3

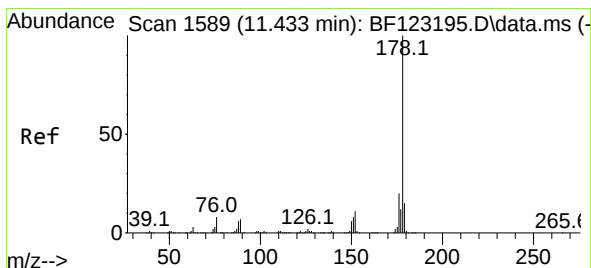
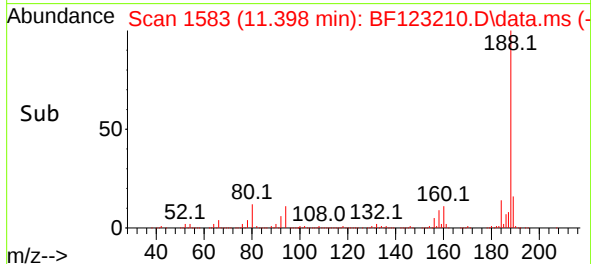
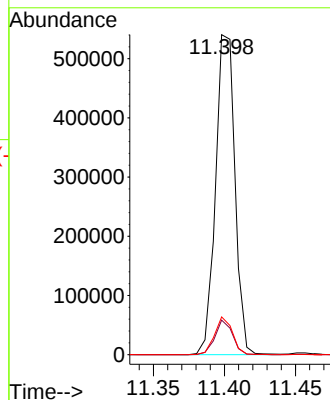
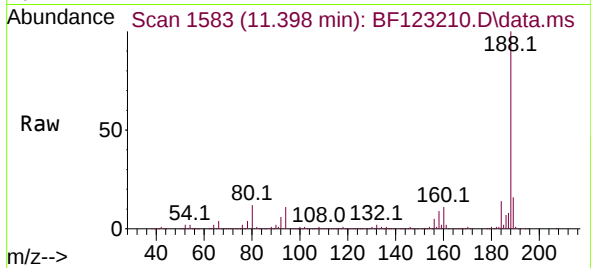




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

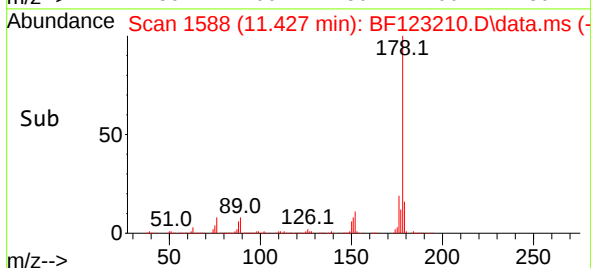
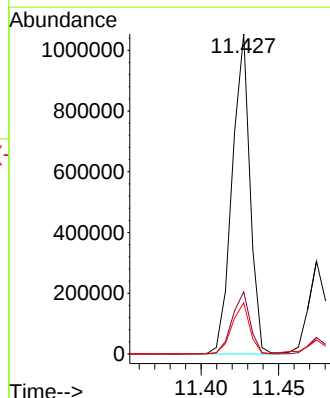
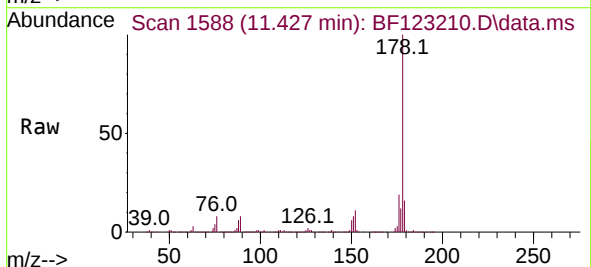
Instrument :
BNA_F
ClientSampleId :
BIN-2

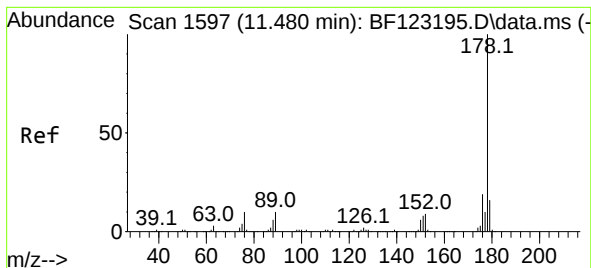
Tgt Ion:188 Resp: 513756
Ion Ratio Lower Upper
188 100
94 10.8 7.4 11.2
80 11.8 8.2 12.4



#71
Phenanthrene
Concen: 27.85 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

Tgt Ion:178 Resp: 842887
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.2
179 16.0 12.7 19.1





#72

Anthracene

Concen: 7.82 ng

RT: 11.475 min Scan# 1596

Delta R.T. -0.006 min

Lab File: BF123210.D

Acq: 15 Feb 2021 18:01

Tgt Ion:178 Resp: 236430

Ion Ratio Lower Upper

178 100

176 17.7 15.6 23.4

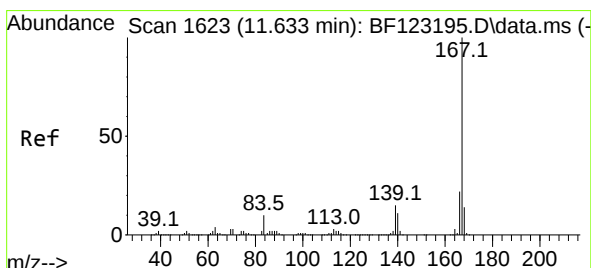
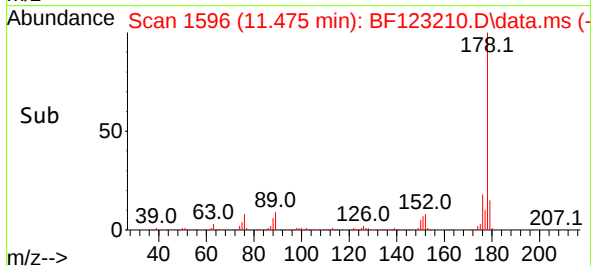
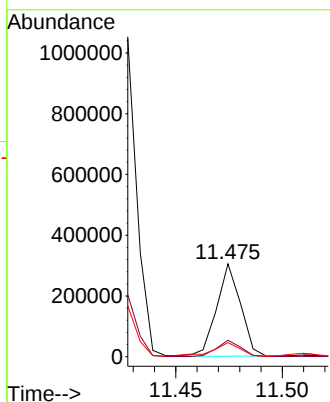
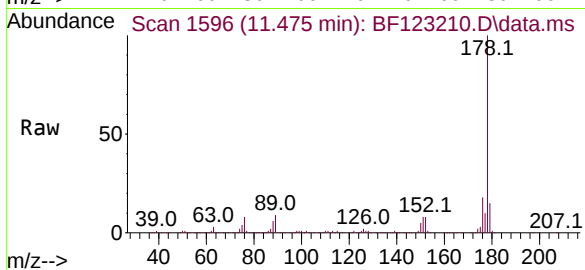
179 15.1 12.8 19.2

Instrument :

BNA_F

ClientSampleId :

BIN-2



#73

Carbazole

Concen: 2.78 ng

RT: 11.627 min Scan# 1622

Delta R.T. -0.006 min

Lab File: BF123210.D

Acq: 15 Feb 2021 18:01

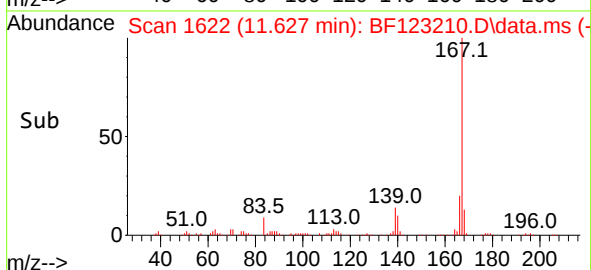
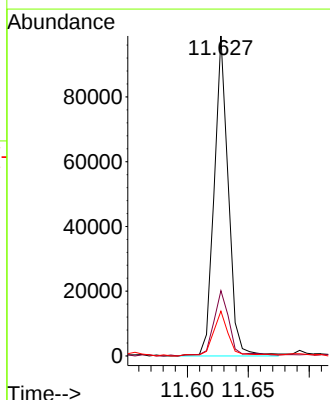
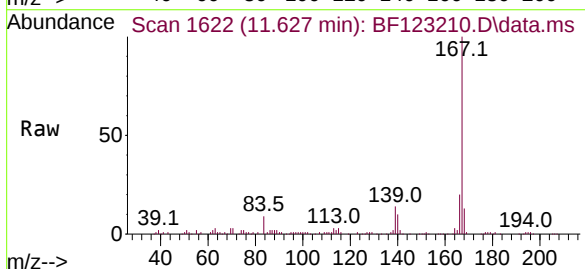
Tgt Ion:167 Resp: 80156

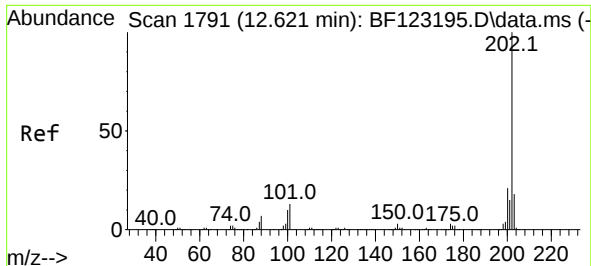
Ion Ratio Lower Upper

167 100

166 20.4 18.0 27.0

139 14.0 10.9 16.3

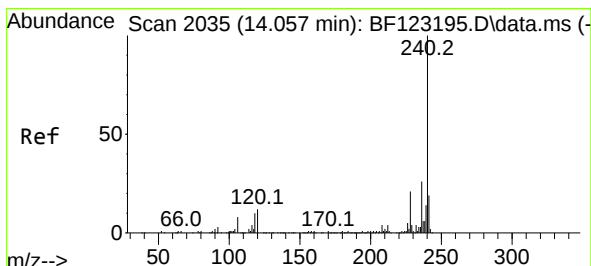
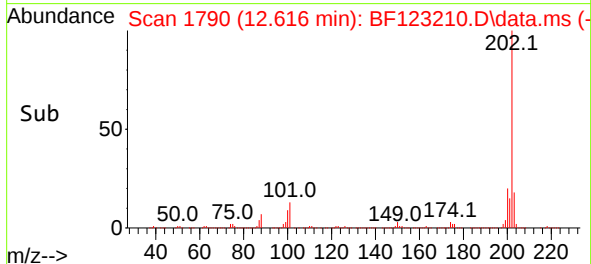
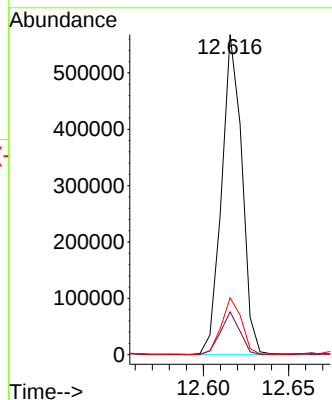
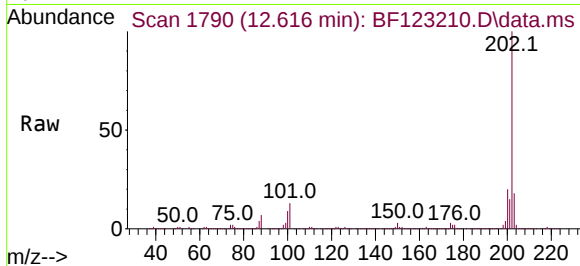




#75
Fluoranthene
Concen: 15.42 ng
RT: 12.616 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

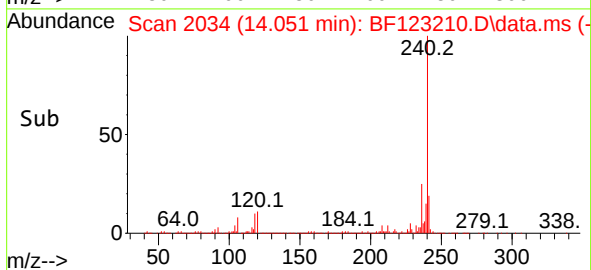
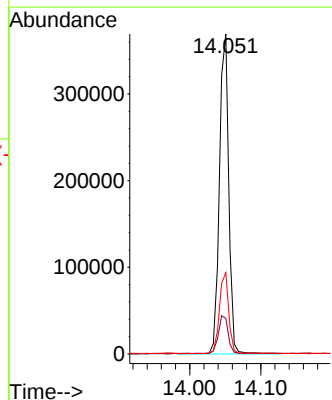
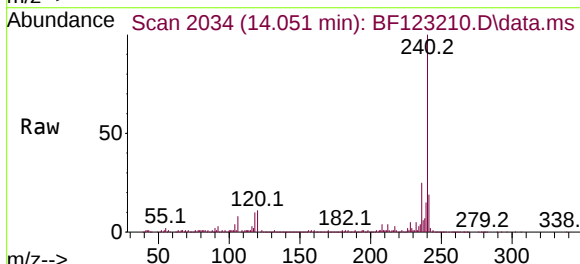
Instrument :
BNA_F
ClientSampleId :
BIN-2

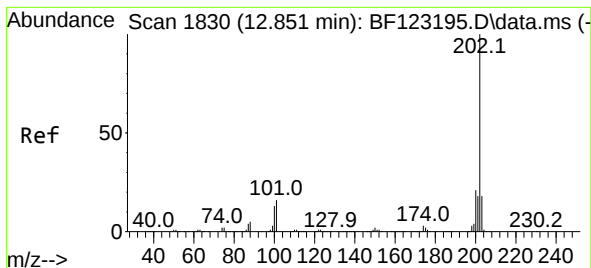
Tgt Ion:202 Resp: 468882
Ion Ratio Lower Upper
202 100
101 13.4 0.0 32.2
203 17.7 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

Tgt Ion:240 Resp: 334868
Ion Ratio Lower Upper
240 100
120 11.1 8.6 12.8
236 25.4 20.3 30.5





#78

Pyrene

Concen: 14.68 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF123210.D

Acq: 15 Feb 2021 18:01

Tgt Ion:202 Resp: 363352

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

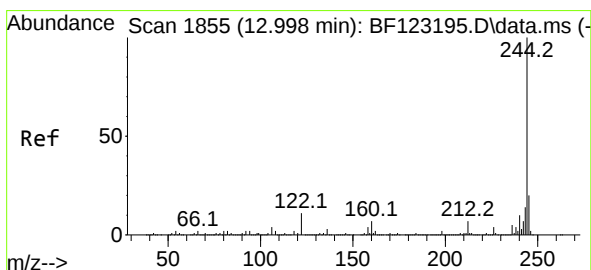
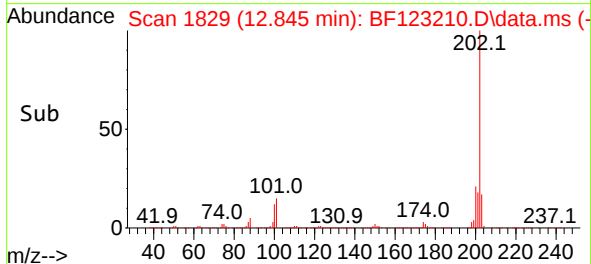
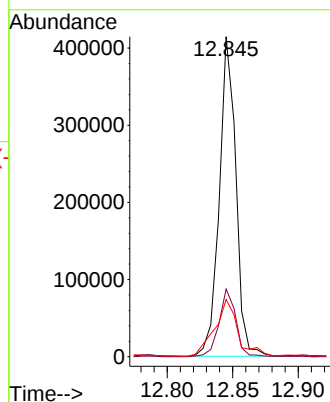
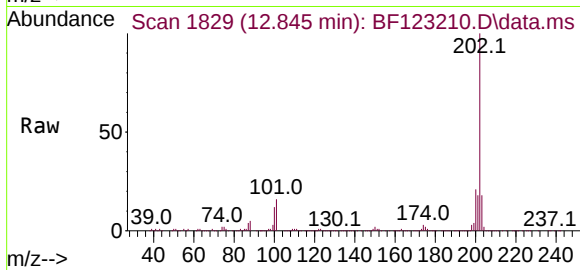
203 17.8 14.6 21.8

Instrument :

BNA_F

ClientSampleId :

BIN-2



#79

Terphenyl-d14

Concen: 11.21 ng

RT: 12.986 min Scan# 1853

Delta R.T. -0.012 min

Lab File: BF123210.D

Acq: 15 Feb 2021 18:01

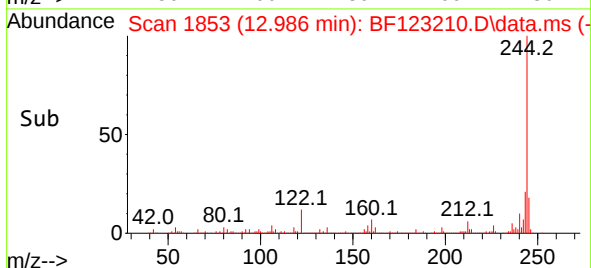
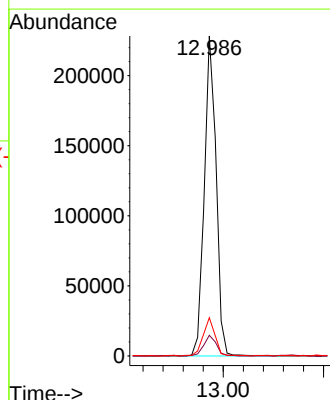
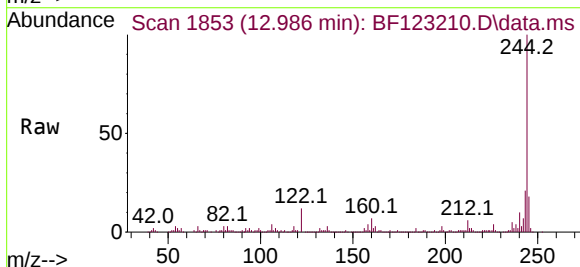
Tgt Ion:244 Resp: 187351

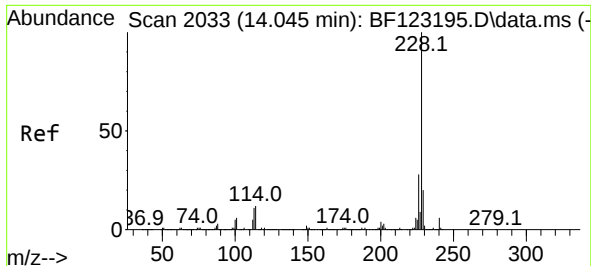
Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

122 12.0 8.3 12.5

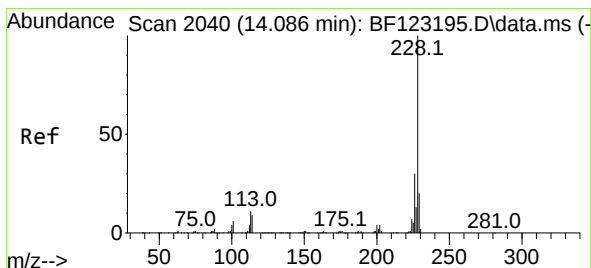
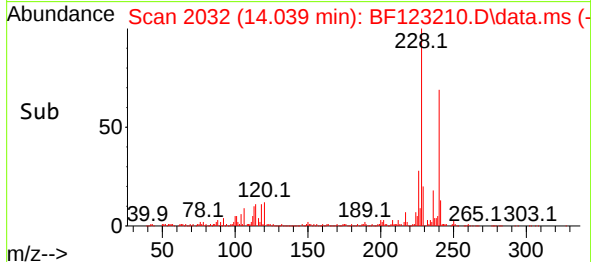
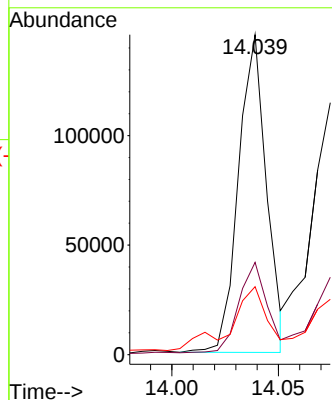
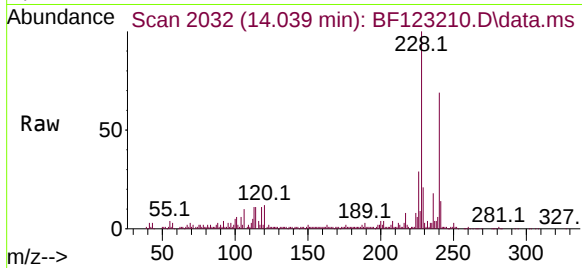




#81
Benzo(a)anthracene
Concen: 5.90 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

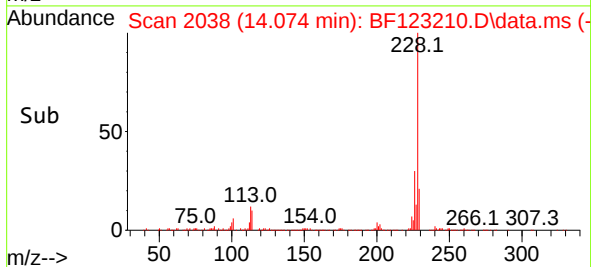
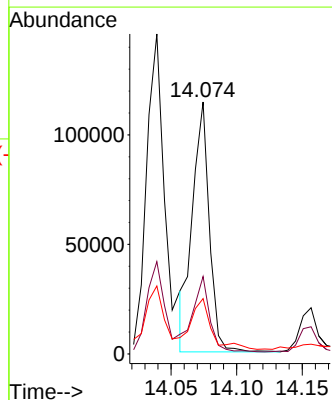
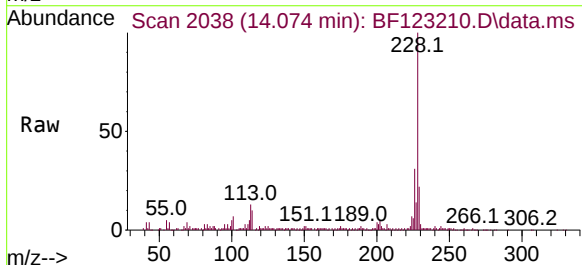
Instrument :
BNA_F
ClientSampleId :
BIN-2

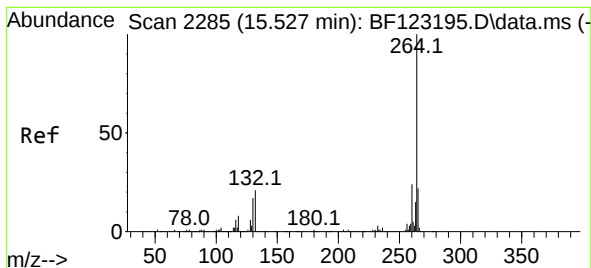
Tgt Ion:228 Resp: 133061
Ion Ratio Lower Upper
228 100
226 28.9 23.0 34.4
229 21.2 16.6 24.8



#83
Chrysene
Concen: 4.60 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.012 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

Tgt Ion:228 Resp: 102274
Ion Ratio Lower Upper
228 100
226 30.7 24.6 36.8
229 22.0 15.8 23.6

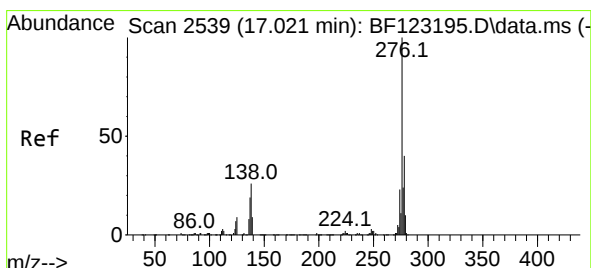
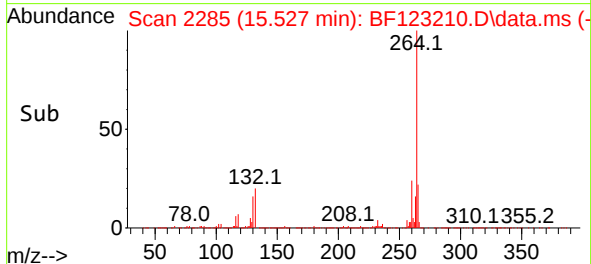
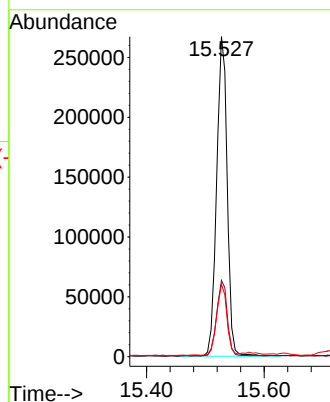
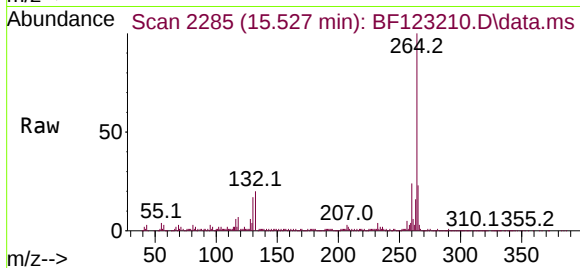




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.527 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

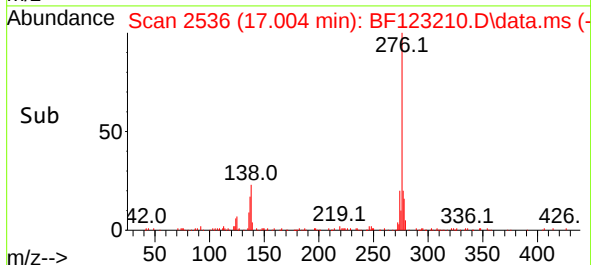
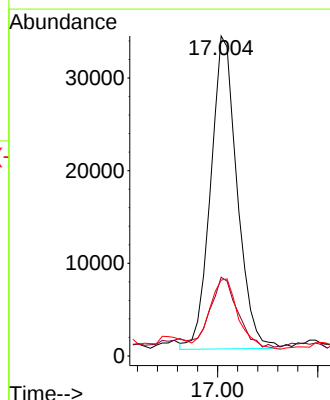
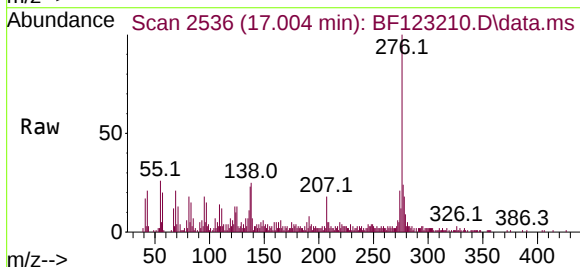
Instrument :
BNA_F
ClientSampleId :
BIN-2

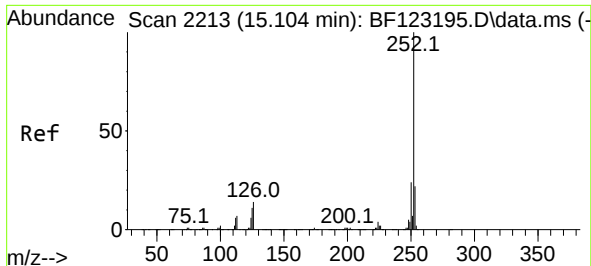
Tgt Ion:264 Resp: 333167
Ion Ratio Lower Upper
264 100
260 23.9 18.6 28.0
265 22.7 17.0 25.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.71 ng
RT: 17.004 min Scan# 2536
Delta R.T. -0.018 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

Tgt Ion:276 Resp: 61918
Ion Ratio Lower Upper
276 100
138 23.0 18.7 28.1
277 24.3 20.2 30.4

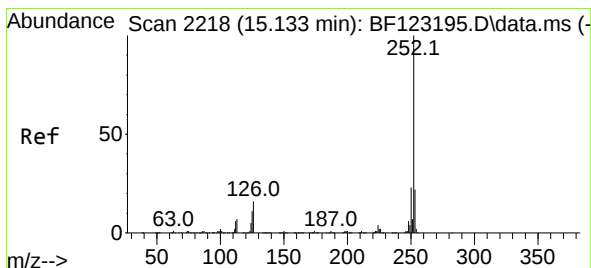
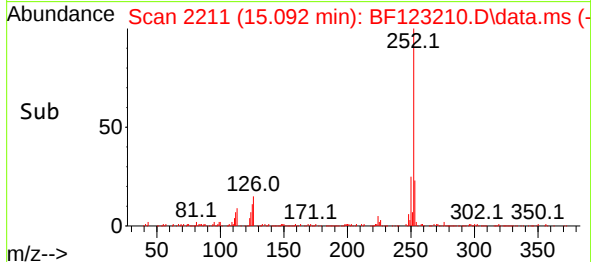
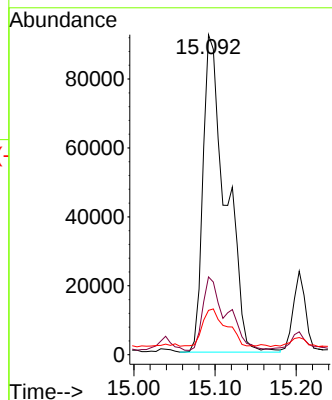
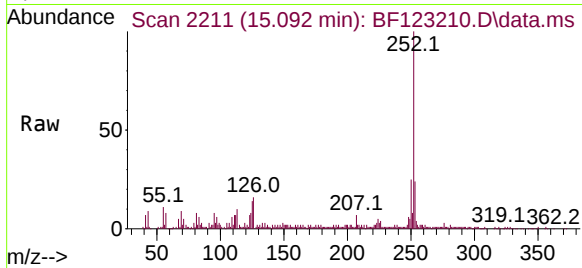




#88
Benzo(b)fluoranthene
Concen: 7.67 ng
RT: 15.092 min Scan# 2211
Delta R.T. -0.012 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

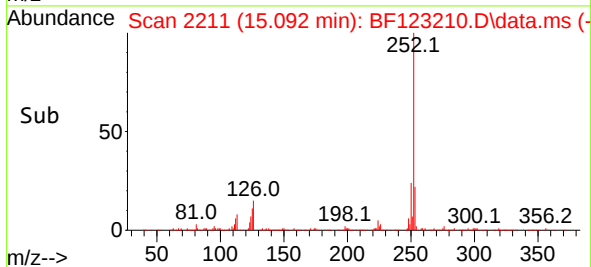
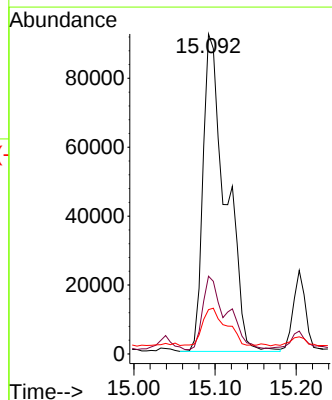
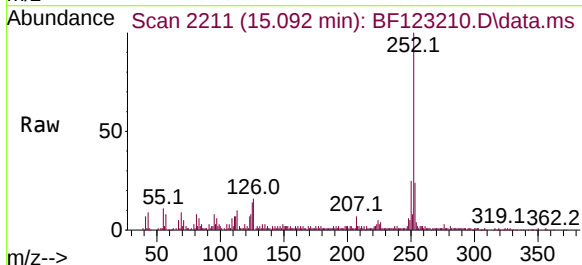
Instrument :
BNA_F
ClientSampleId :
BIN-2

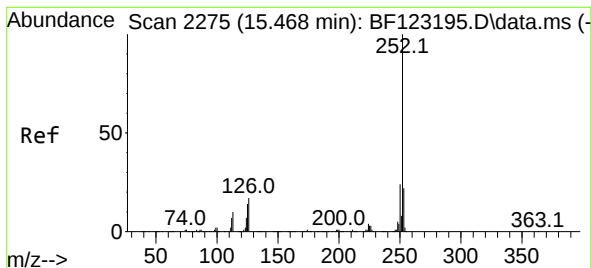
Tgt Ion:252 Resp: 179527
Ion Ratio Lower Upper
252 100
253 24.3 18.3 27.5
125 13.9 8.1 12.1#



#89
Benzo(k)fluoranthene
Concen: 8.35 ng
RT: 15.092 min Scan# 2211
Delta R.T. -0.041 min
Lab File: BF123210.D
Acq: 15 Feb 2021 18:01

Tgt Ion:252 Resp: 179527
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.8
125 13.9 8.4 12.6#





#90

Benzo(a)pyrene

Concen: 4.89 ng

RT: 15.462 min Scan# 2274

Delta R.T. -0.006 min

Lab File: BF123210.D

Acq: 15 Feb 2021 18:01

Tgt Ion:252 Resp: 102423

Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

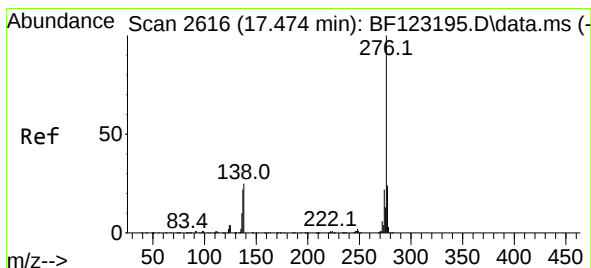
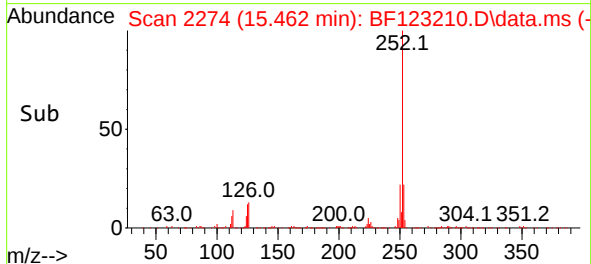
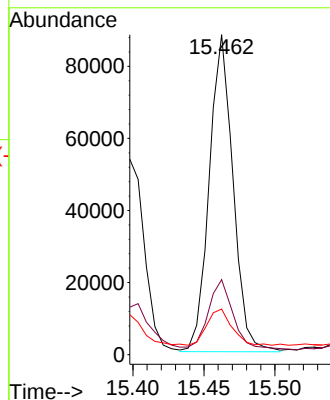
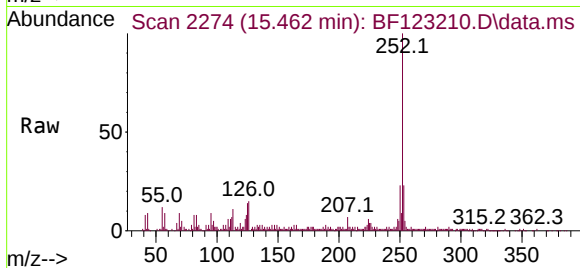
125 14.3 8.6 12.8#

Instrument :

BNA_F

ClientSampleId :

BIN-2



#92

Benzo(g,h,i)perylene

Concen: 3.11 ng

RT: 17.456 min Scan# 2613

Delta R.T. -0.018 min

Lab File: BF123210.D

Acq: 15 Feb 2021 18:01

Tgt Ion:276 Resp: 58655

Ion Ratio Lower Upper

276 100

277 27.6 19.3 28.9

138 27.4 16.6 24.8#

