

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
 Data File : BF123999.D
 Acq On : 19 May 2021 20:03
 Operator : JU/CG
 Sample : M2437-08 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: May 20 02:26:56 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 19:05:57 2021
 Response via : Initial Calibration

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

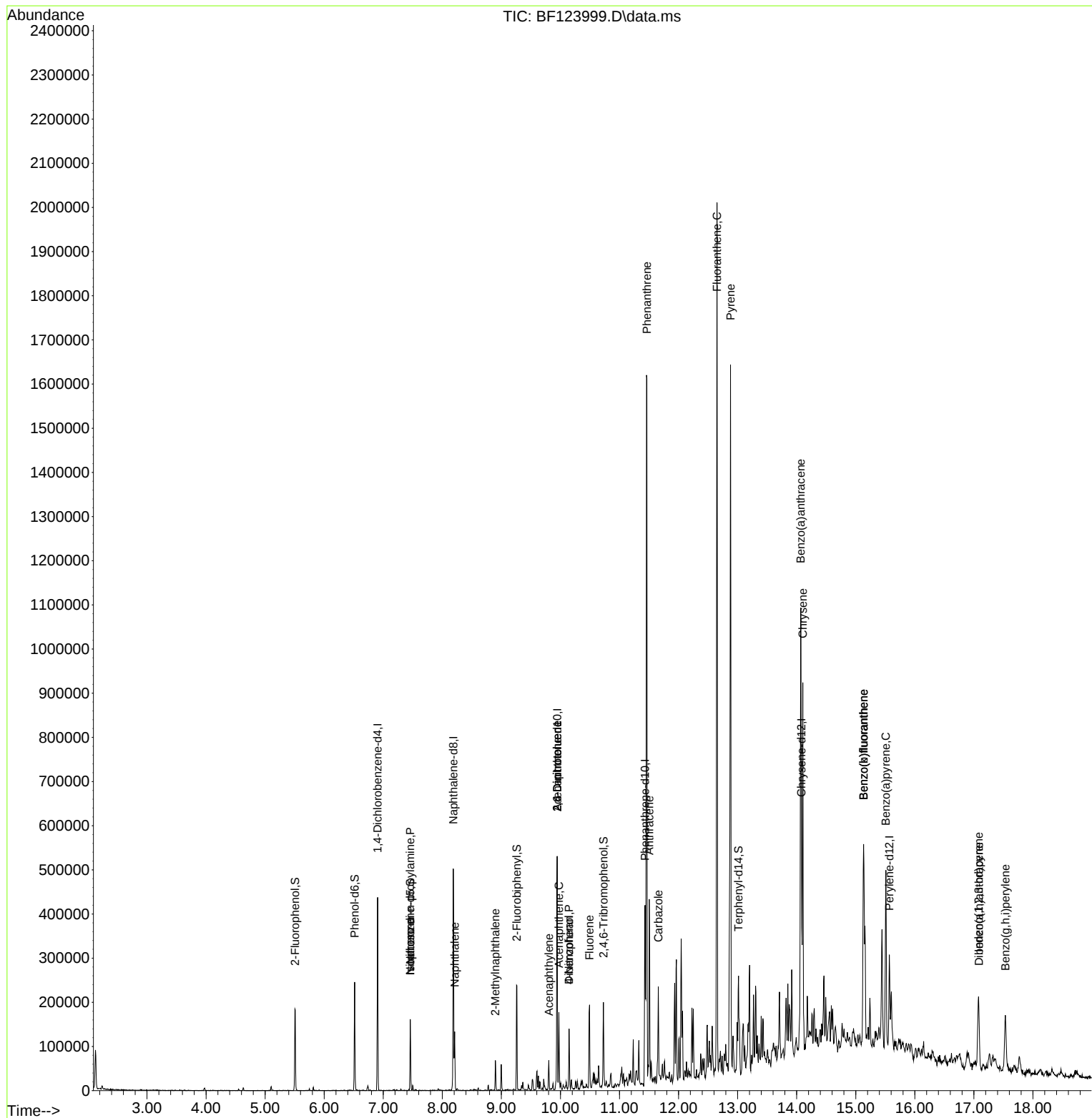
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	46043	20.00	ng	0.00
21) Naphthalene-d8	8.186	136	179619	20.00	ng	# 0.00
39) Acenaphthene-d10	9.945	164	96452	20.00	ng	0.00
64) Phenanthrene-d10	11.433	188	143037	20.00	ng	# 0.00
76) Chrysene-d12	14.080	240	112254	20.00	ng	0.01
86) Perylene-d12	15.568	264	79015	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	40778	12.43	ng	0.00
7) Phenol-d6	6.516	99	54136	12.73	ng	0.00
23) Nitrobenzene-d5	7.457	82	39474	9.47	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	12616	10.89	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	65599	8.37	ng	0.00
79) Terphenyl-d14	13.015	244	54040	7.29	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	5861	2.04	ng	# 83
25) Isophorone	7.457	82	39483	4.92	ng	# 69
31) Naphthalene	8.210	128	41904	3.94	ng	97
37) 2-Methylnaphthalene	8.898	142	16041	2.23	ng	95
49) Acenaphthylene	9.804	152	20803	2.09	ng	95
51) 2,6-Dinitrotoluene	9.945	165	13317	8.55	ng	# 13
52) Acenaphthene	9.974	154	29138	4.27	ng	89
55) Dibenzofuran	10.145	168	36188	3.69	ng	94
56) 4-Nitrophenol	10.145	139	14930	11.66	ng	# 1
57) 2,4-Dinitrotoluene	9.945	165	13317	6.97	ng	# 19
58) Fluorene	10.492	166	44805	6.07	ng	86
71) Phenanthrene	11.463	178	608522	67.13	ng	99
72) Anthracene	11.504	178	141954	15.45	ng	98
73) Carbazole	11.657	167	63020	7.84	ng	99
75) Fluoranthene	12.651	202	724093	77.14	ng	99
78) Pyrene	12.880	202	624872	62.70	ng	98
81) Benzo(a)anthracene	14.068	228	293882	36.20	ng	100
83) Chrysene	14.104	228	251454	32.20	ng	96
87) Indeno(1,2,3-cd)pyrene	17.080	276	92937	15.23	ng	98
88) Benzo(b)fluoranthene	15.133	252	337682	55.25	ng	# 94
89) Benzo(k)fluoranthene	15.133	252	337682	60.62	ng	# 95
90) Benzo(a)pyrene	15.509	252	172837	32.71	ng	98
91) Dibenzo(a,h)anthracene	17.086	278	24592	4.79	ng	# 82
92) Benzo(g,h,i)perylene	17.533	276	92162	17.88	ng	# 91

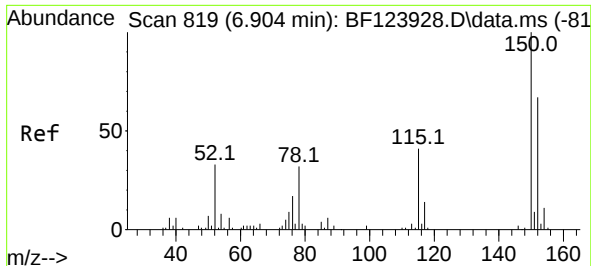
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123999.D
Acq On : 19 May 2021 20:03
Operator : JU/CG
Sample : M2437-08 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Time: May 20 02:26:56 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 14 19:05:57 2021
Response via : Initial Calibration

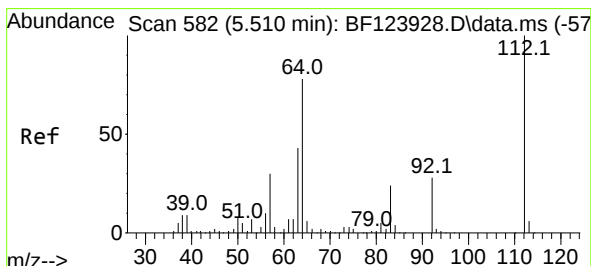
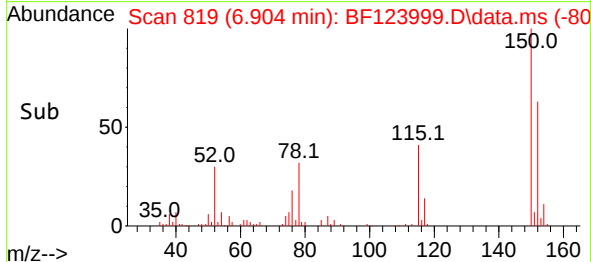
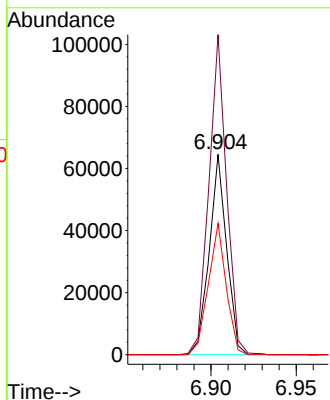
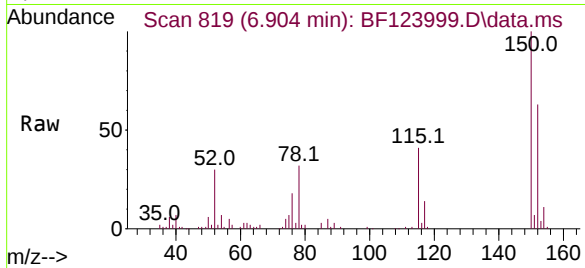




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

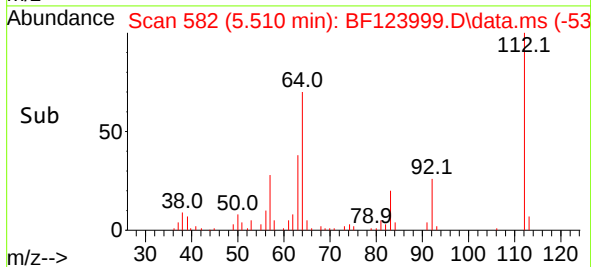
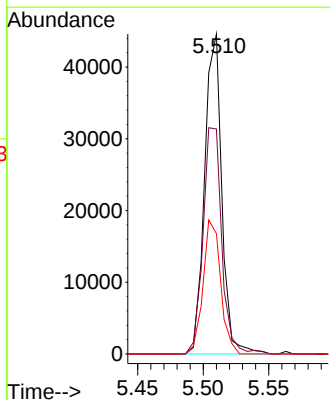
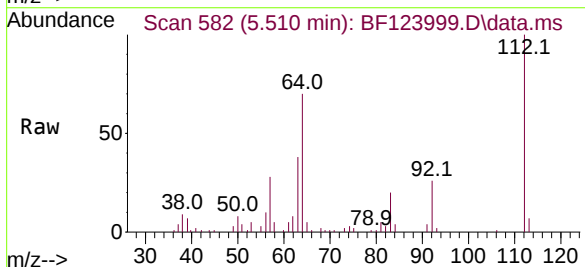
Instrument :
BNA_F
ClientSampleId :
TP-3

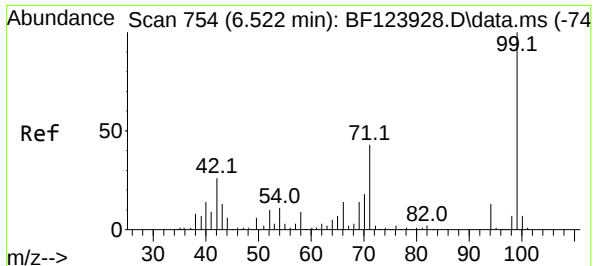
Tgt Ion:152 Resp: 46043
Ion Ratio Lower Upper
152 100
150 159.7 127.0 190.6
115 65.6 54.3 81.5



#5
2-Fluorophenol
Concen: 12.43 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.000 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion:112 Resp: 40778
Ion Ratio Lower Upper
112 100
64 70.3 61.4 92.0
63 37.6 33.0 49.4

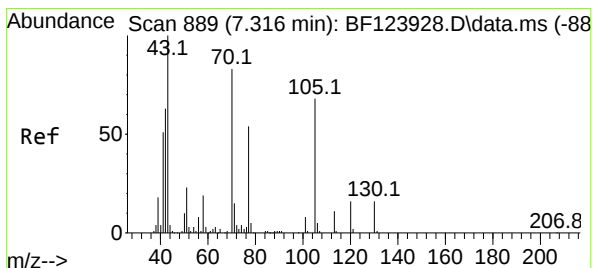
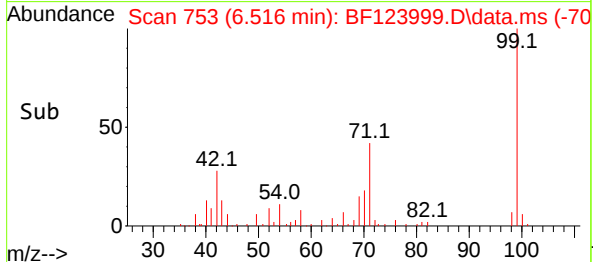
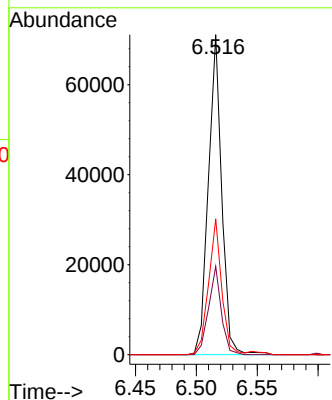
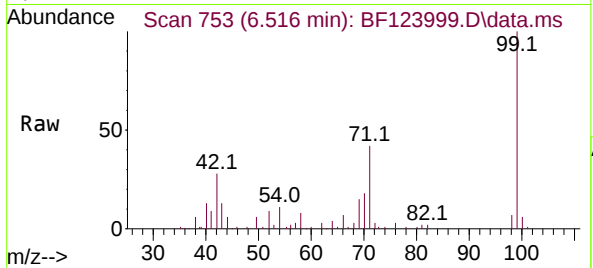




#7
Phenol-d6
Concen: 12.73 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

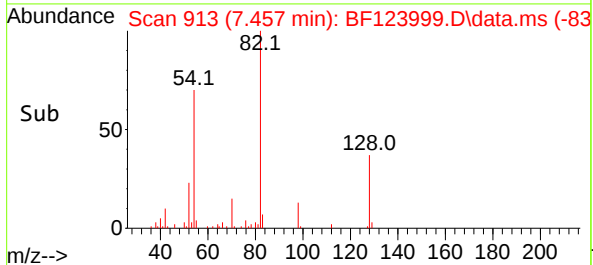
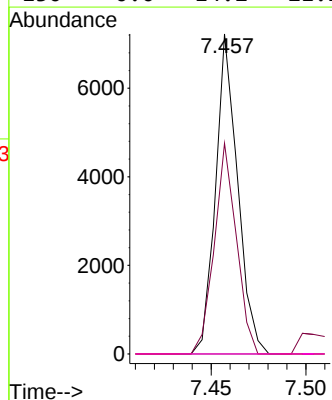
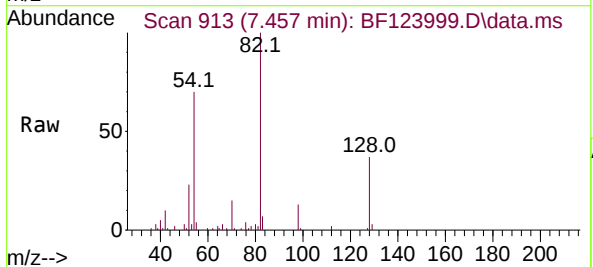
Instrument :
BNA_F
ClientSampleId :
TP-3

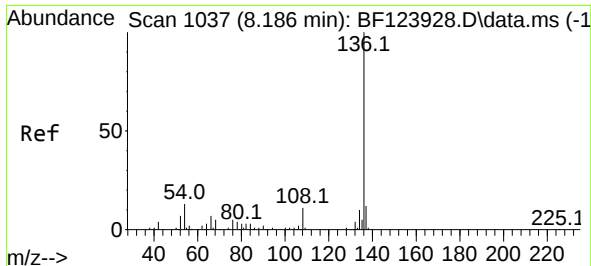
Tgt Ion: 99 Resp: 54136
Ion Ratio Lower Upper
99 100
42 27.6 19.8 29.8
71 42.4 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 2.04 ng
RT: 7.457 min Scan# 913
Delta R.T. 0.141 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion: 70 Resp: 5861
Ion Ratio Lower Upper
70 100
42 65.8 60.1 90.1
101 0.0 7.4 11.2#
130 0.0 14.2 21.2#

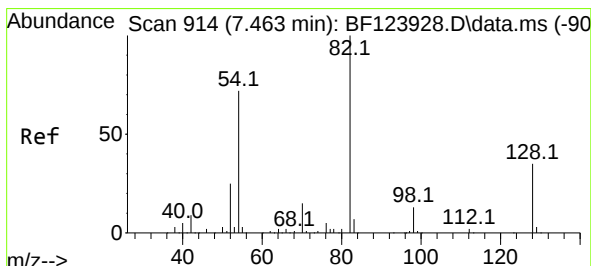
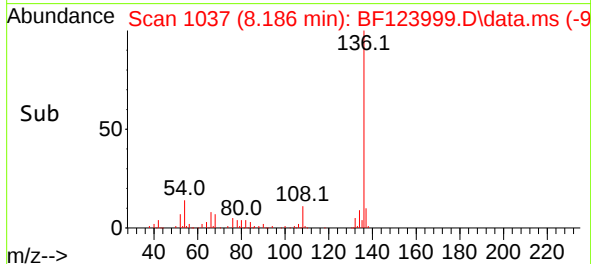
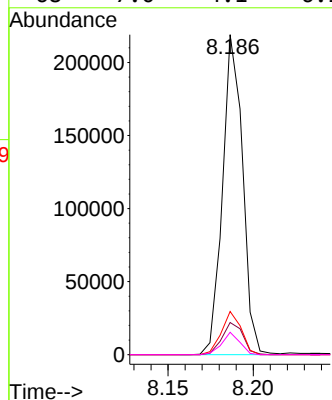
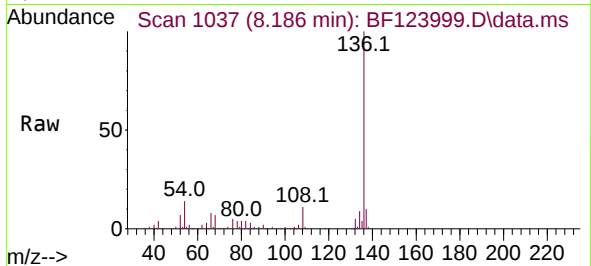




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

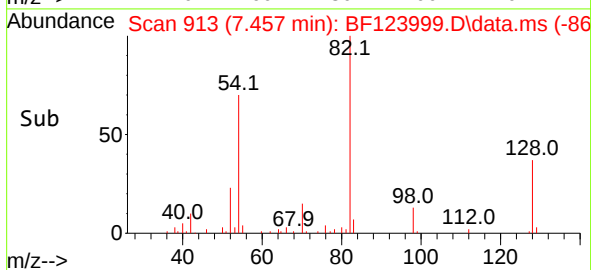
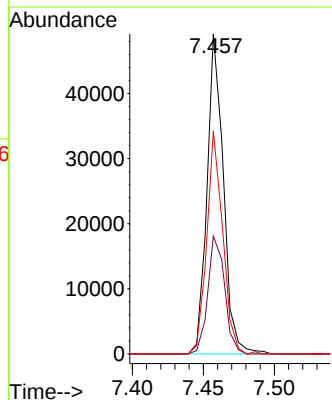
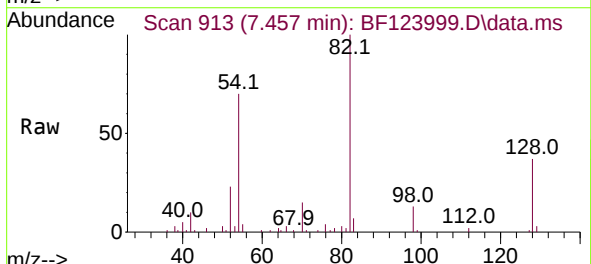
Instrument :
BNA_F
ClientSampleId :
TP-3

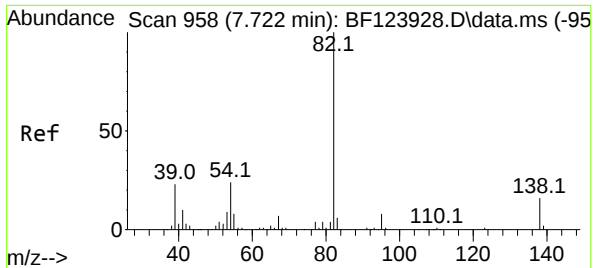
Tgt Ion:	136	Resp:	179619
Ion	Ratio	Lower	Upper
136	100		
137	10.0	8.7	13.1
54	13.5	9.8	14.6
68	7.0	4.1	6.1



#23
Nitrobenzene-d5
Concen: 9.47 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.006 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion:	82	Resp:	39474
Ion	Ratio	Lower	Upper
82	100		
128	36.8	29.4	44.2
54	69.7	54.1	81.1

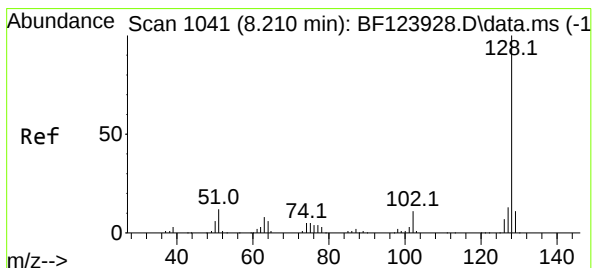
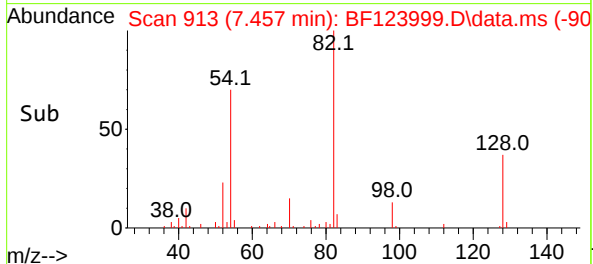
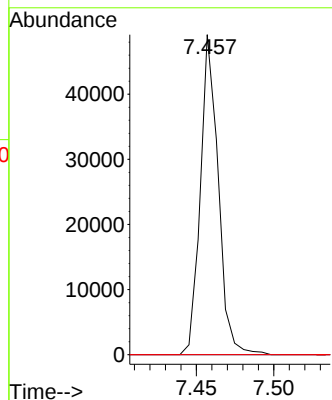
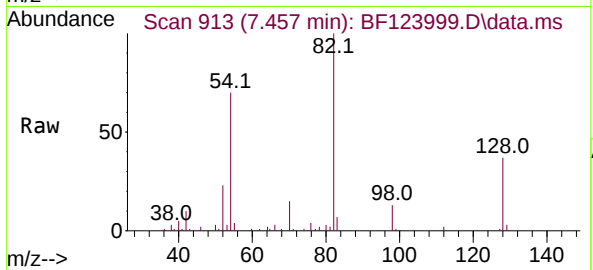




#25
Isophorone
Concen: 4.92 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.265 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

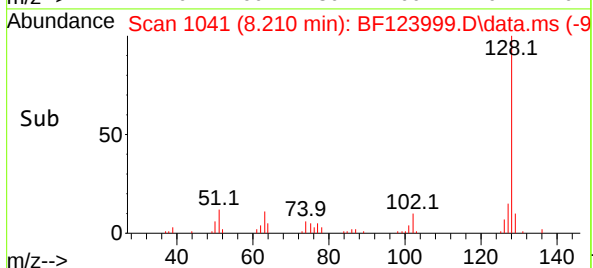
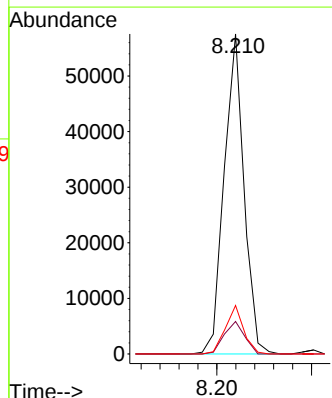
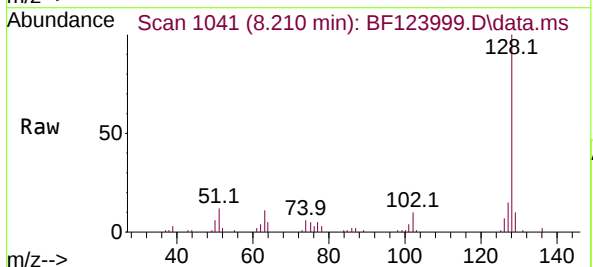
Instrument :
BNA_F
ClientSampleId :
TP-3

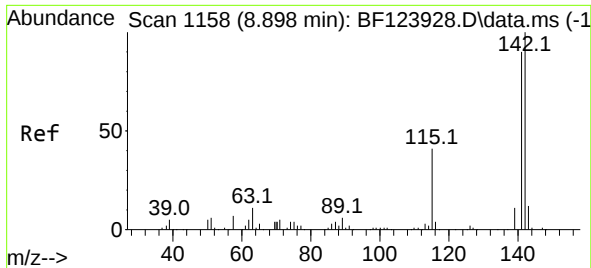
Tgt Ion: 82 Resp: 39483
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#31
Naphthalene
Concen: 3.94 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.000 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion: 128 Resp: 41904
Ion Ratio Lower Upper
128 100
129 10.1 8.9 13.3
127 15.1 10.8 16.2

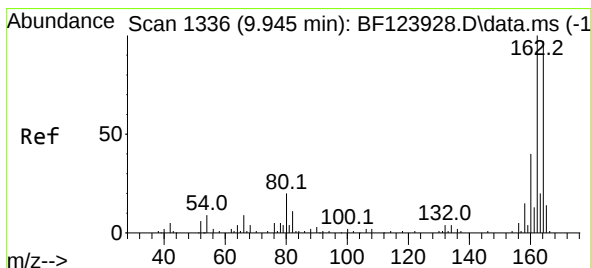
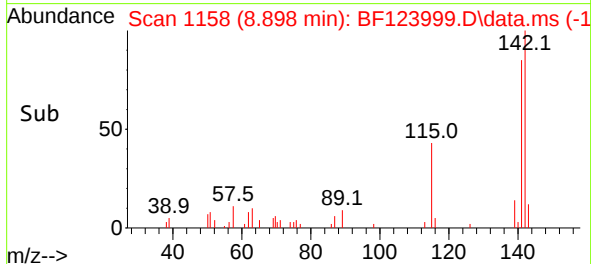
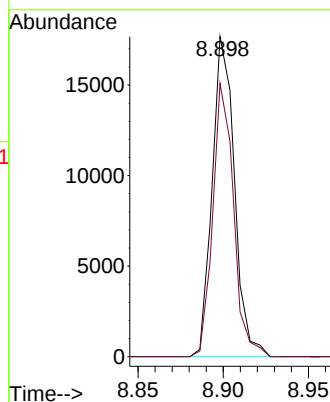
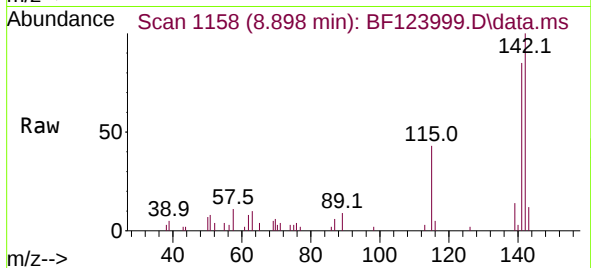




#37
2-Methylnaphthalene
Concen: 2.23 ng
RT: 8.898 min Scan# 1158
Delta R.T. -0.000 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

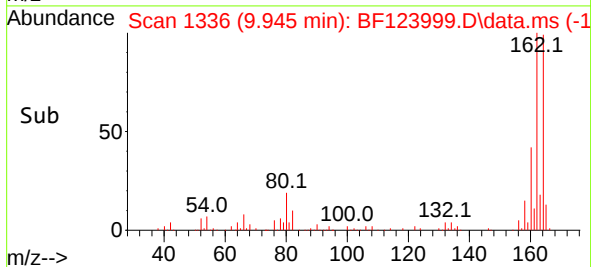
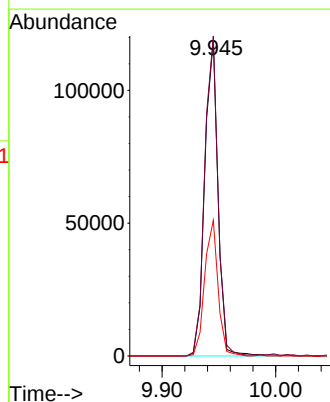
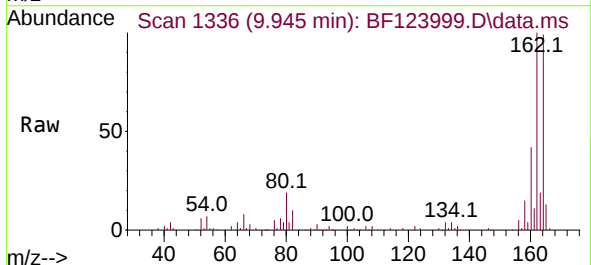
Instrument :
BNA_F
ClientSampleId :
TP-3

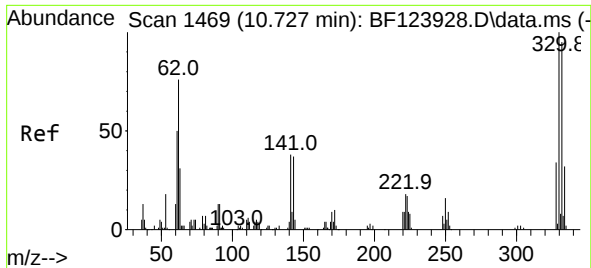
Tgt Ion:142 Resp: 16041
Ion Ratio Lower Upper
142 100
141 85.4 71.8 107.6



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

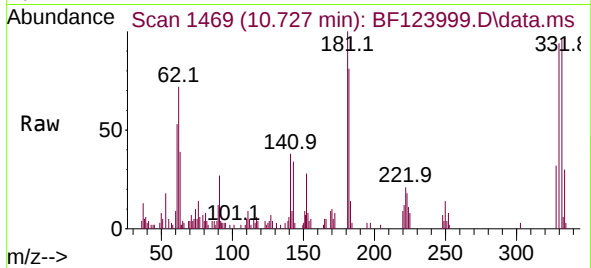
Tgt Ion:164 Resp: 96452
Ion Ratio Lower Upper
164 100
162 101.3 80.7 121.1
160 42.9 37.3 55.9



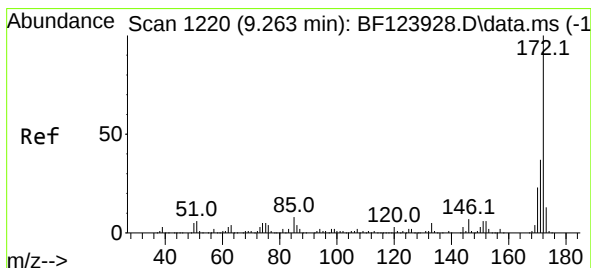
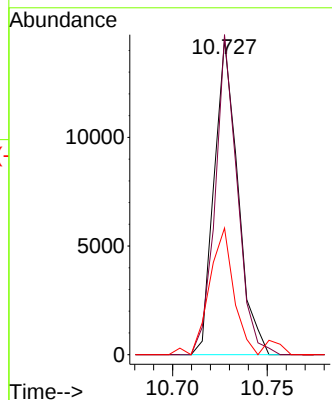
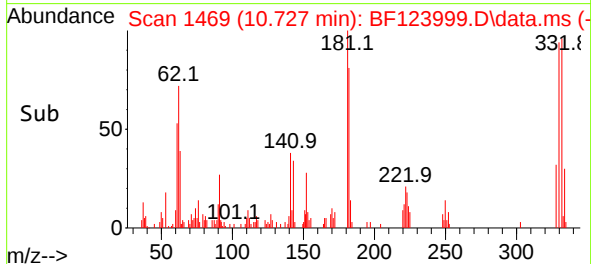


#42
2,4,6-Tribromophenol
Concen: 10.89 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.000 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

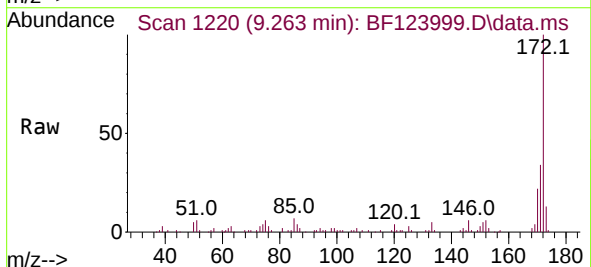
Instrument :
BNA_F
ClientSampled :
TP-3



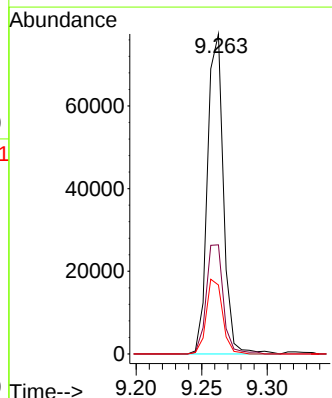
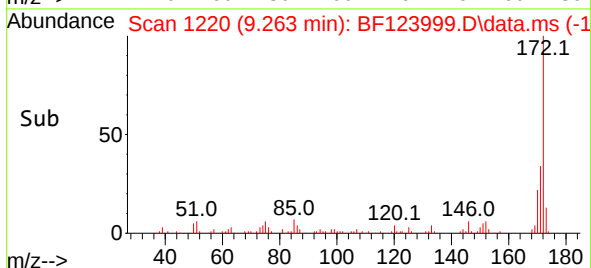
Tgt Ion: 330 Resp: 12616
Ion Ratio Lower Upper
330 100
332 94.7 77.1 115.7
141 41.5 27.9 41.9

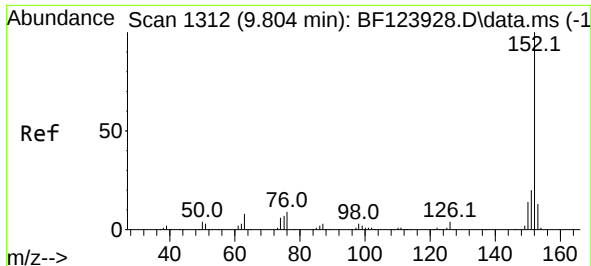


#45
2-Fluorobiphenyl
Concen: 8.37 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03



Tgt Ion: 172 Resp: 65599
Ion Ratio Lower Upper
172 100
171 34.1 28.1 42.1
170 21.6 19.2 28.8





#49

Acenaphthylene

Concen: 2.09 ng

RT: 9.804 min Scan# 1312

Delta R.T. -0.000 min

Lab File: BF123999.D

Acq: 19 May 2021 20:03

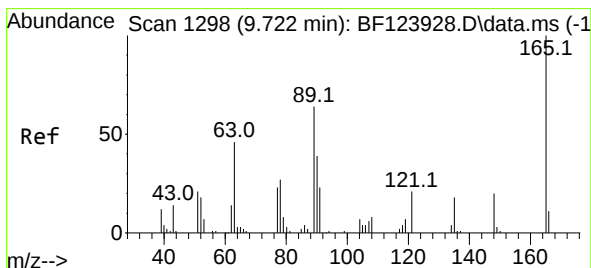
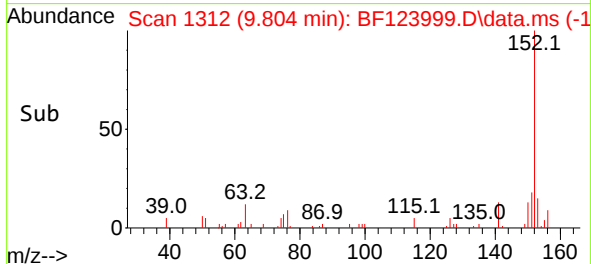
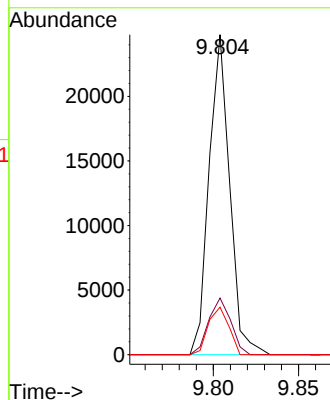
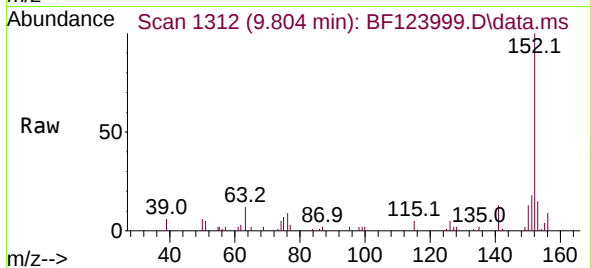
Tgt Ion:152 Resp: 20803

Ion Ratio Lower Upper

152 100

151 17.7 16.0 24.0

153 14.8 10.4 15.6



#51

2,6-Dinitrotoluene

Concen: 8.55 ng

RT: 9.945 min Scan# 1336

Delta R.T. 0.223 min

Lab File: BF123999.D

Acq: 19 May 2021 20:03

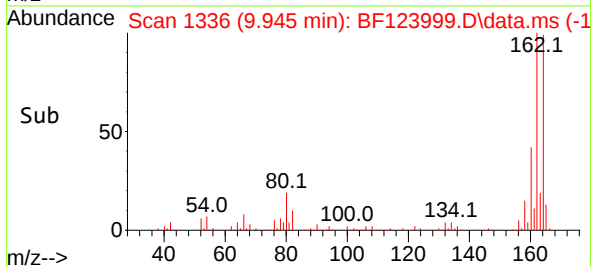
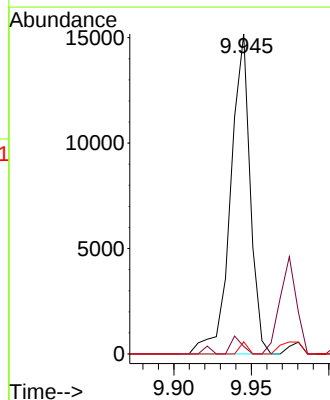
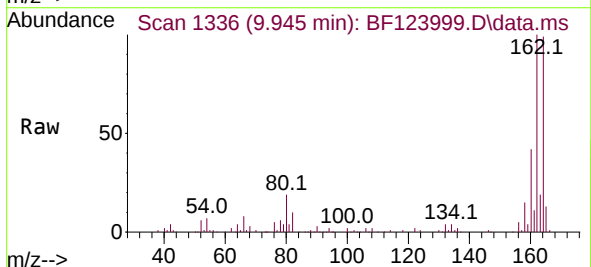
Tgt Ion:165 Resp: 13317

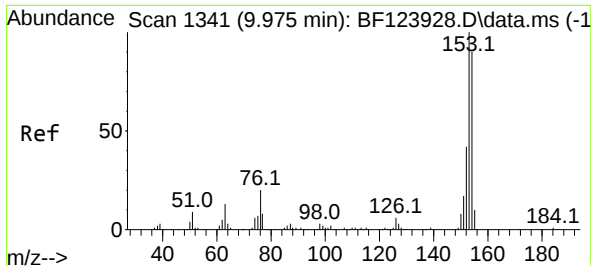
Ion Ratio Lower Upper

165 100

63 2.4 67.7 101.5#

89 3.8 58.8 88.2#

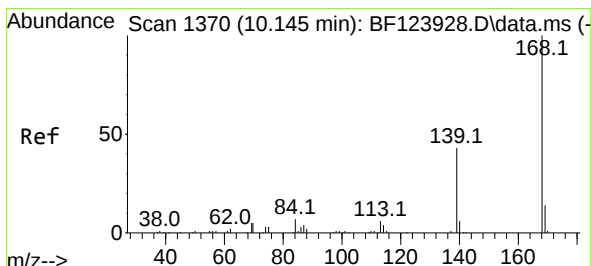
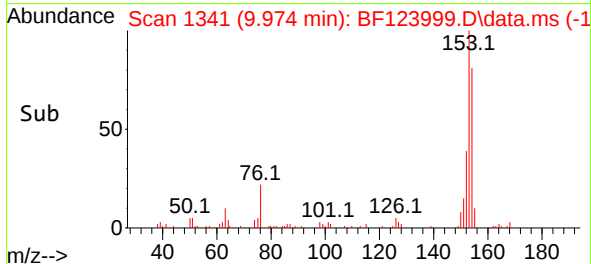
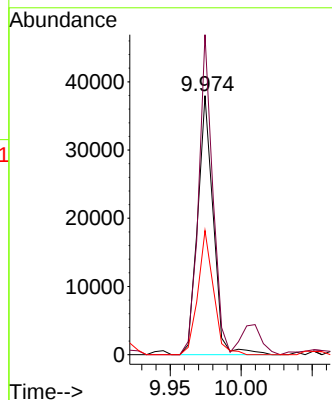
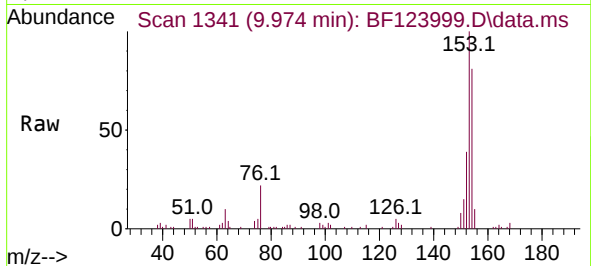




#52
Acenaphthene
Concen: 4.27 ng
RT: 9.974 min Scan# 1341
Delta R.T. -0.000 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

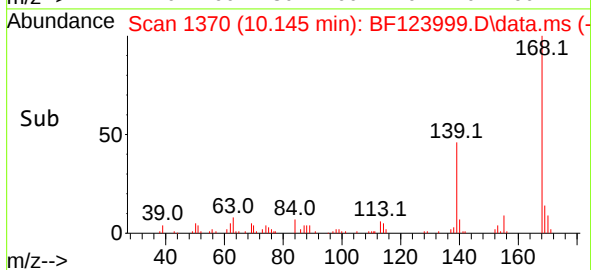
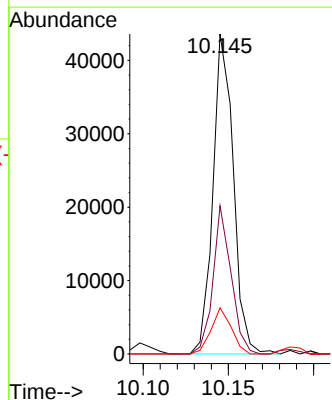
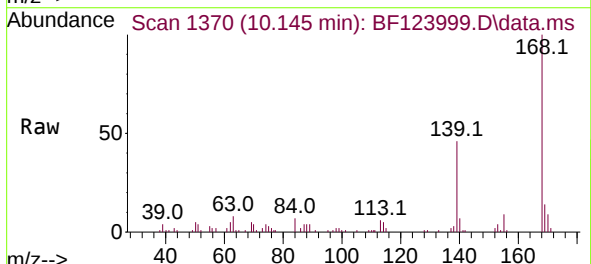
Instrument :
BNA_F
ClientSampleId :
TP-3

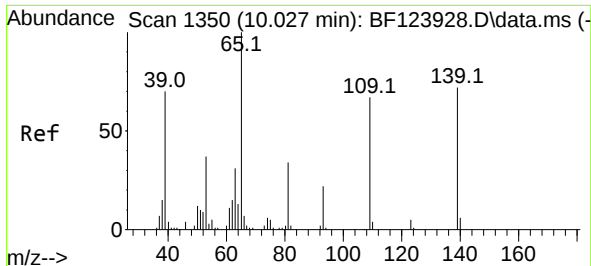
Tgt Ion:154 Resp: 29138
Ion Ratio Lower Upper
154 100
153 123.5 88.1 132.1
152 47.9 43.4 65.0



#55
Dibenzofuran
Concen: 3.69 ng
RT: 10.145 min Scan# 1370
Delta R.T. -0.000 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion:168 Resp: 36188
Ion Ratio Lower Upper
168 100
139 46.3 33.2 49.8
169 14.4 10.8 16.2

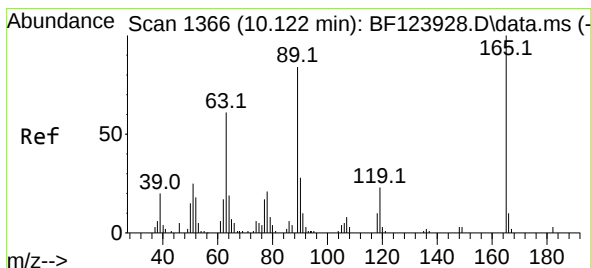
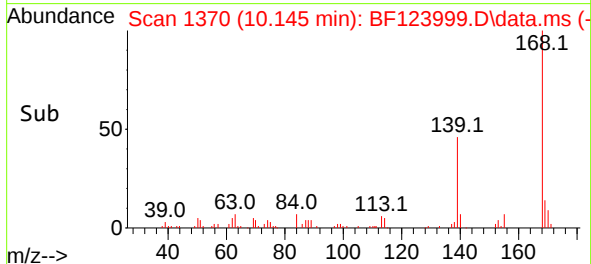
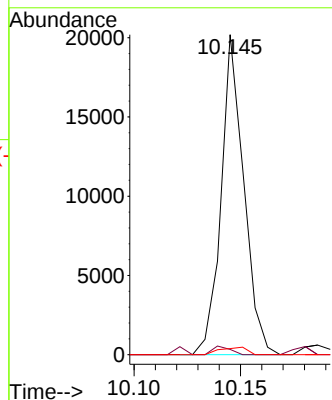
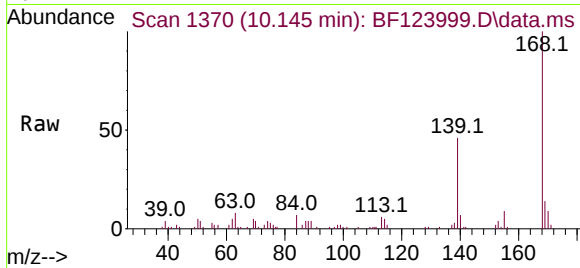




#56
4-Nitrophenol
Concen: 11.66 ng
RT: 10.145 min Scan# 1370
Delta R.T. 0.118 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

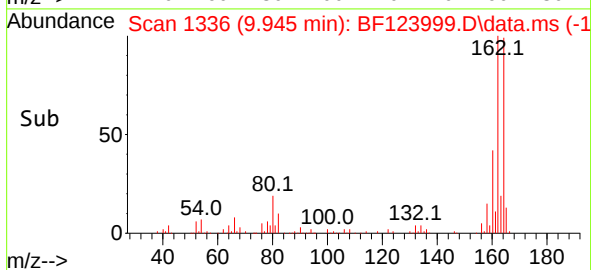
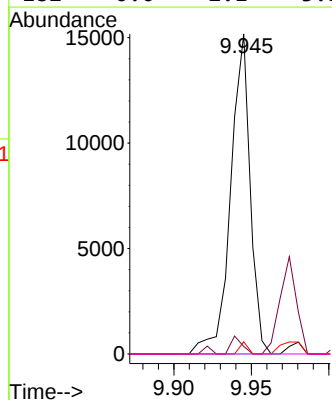
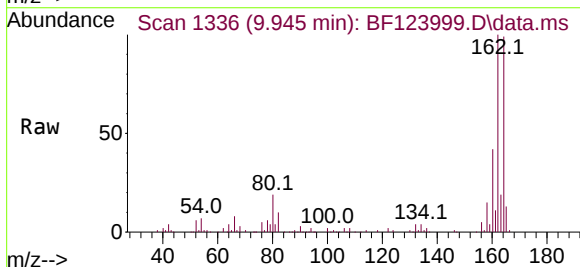
Instrument :
BNA_F
ClientSampleId :
TP-3

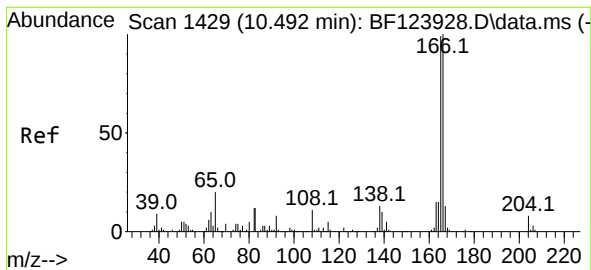
Tgt Ion:139 Resp: 14930
Ion Ratio Lower Upper
139 100
109 1.6 63.2 103.2#
65 1.9 110.0 150.0#



#57
2,4-Dinitrotoluene
Concen: 6.97 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.177 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion:165 Resp: 13317
Ion Ratio Lower Upper
165 100
63 2.4 43.5 65.3#
89 3.8 67.7 101.5#
182 0.0 2.1 3.1#

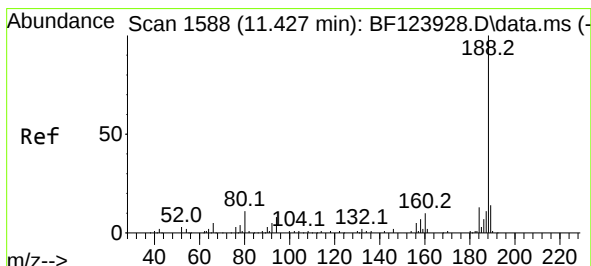
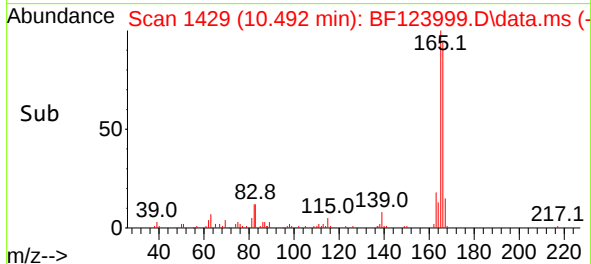
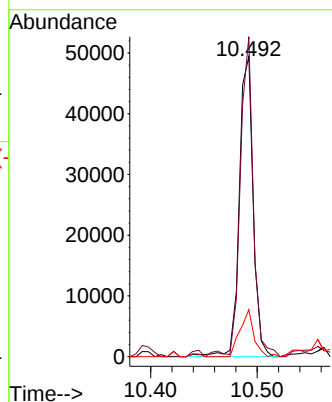
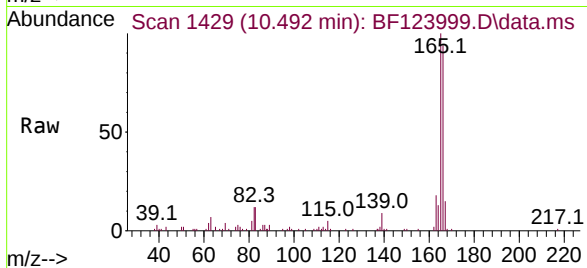




#58
Fluorene
Concen: 6.07 ng
RT: 10.492 min Scan# 1429
Delta R.T. -0.000 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

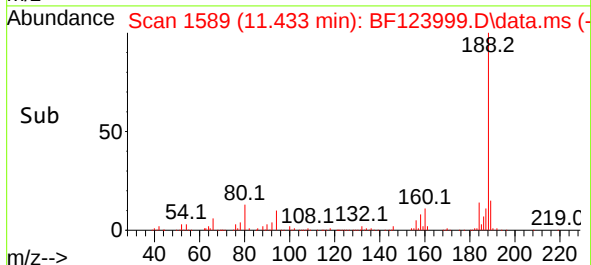
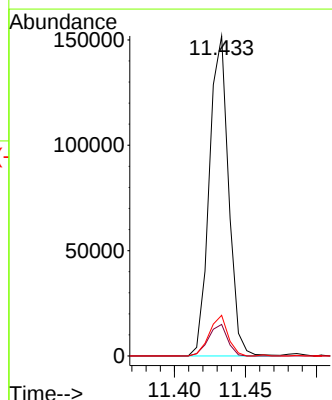
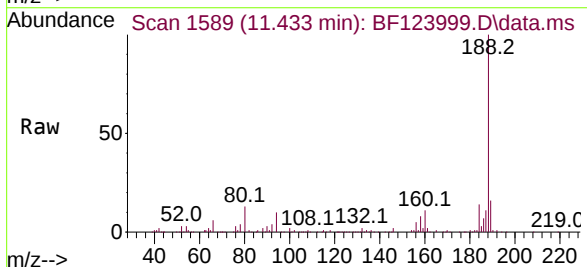
Instrument :
BNA_F
ClientSampleId :
TP-3

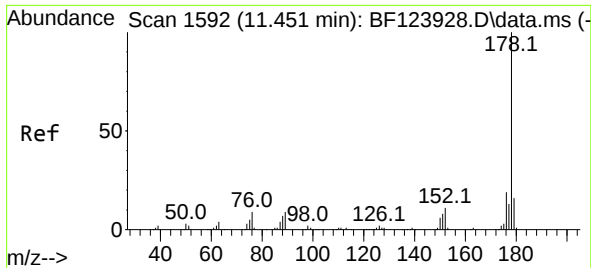
Tgt Ion:166 Resp: 44805
Ion Ratio Lower Upper
166 100
165 106.6 73.5 110.3
167 15.7 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.006 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion:188 Resp: 143037
Ion Ratio Lower Upper
188 100
94 9.8 6.9 10.3
80 12.7 8.2 12.2#

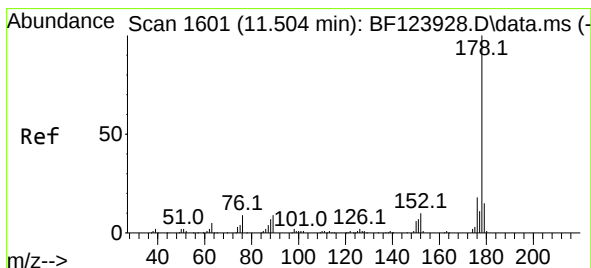
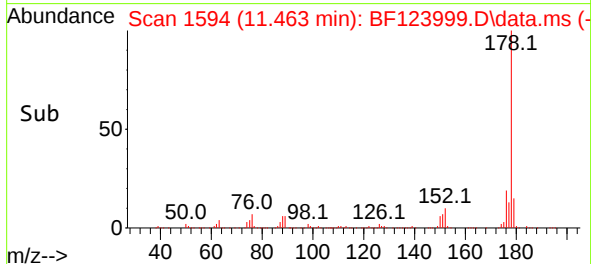
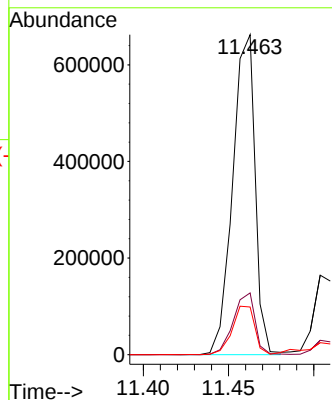
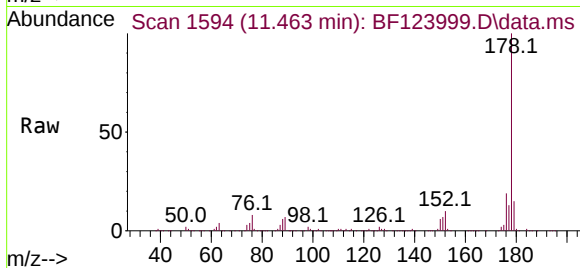




#71
Phenanthrene
Concen: 67.13 ng
RT: 11.463 min Scan# 1594
Delta R.T. 0.012 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

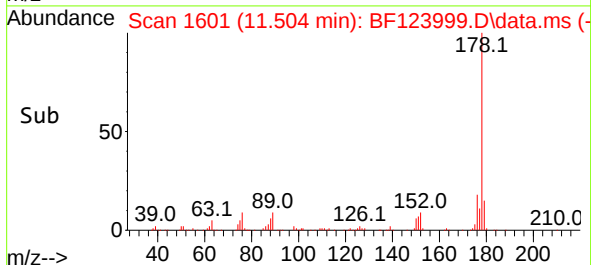
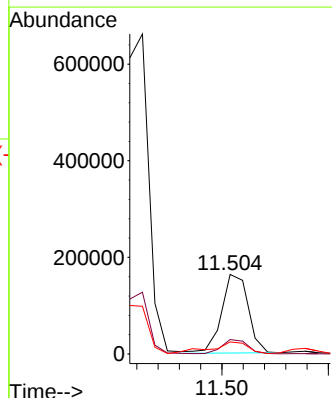
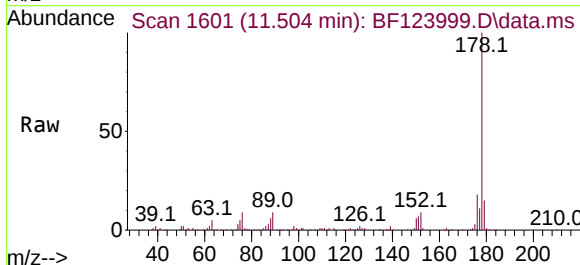
Instrument :
BNA_F
ClientSampled :
TP-3

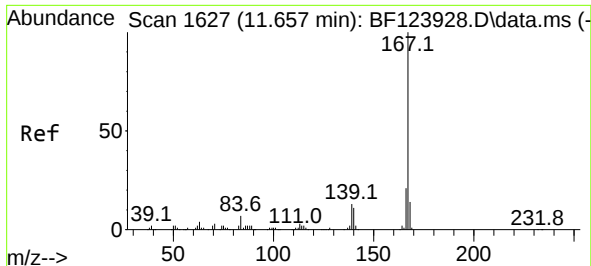
Tgt Ion:178 Resp: 608522
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 14.9 12.5 18.7



#72
Anthracene
Concen: 15.45 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.000 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion:178 Resp: 141954
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.0
179 15.1 12.6 18.8

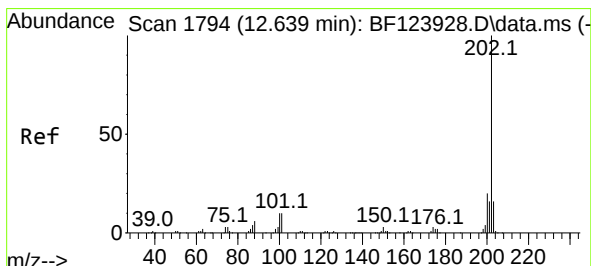
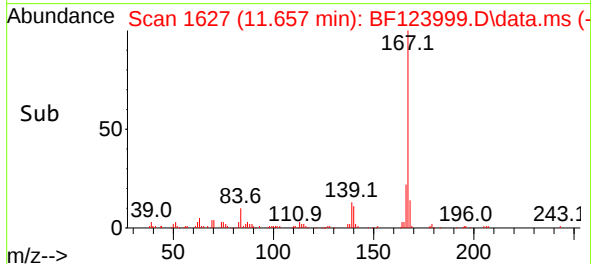
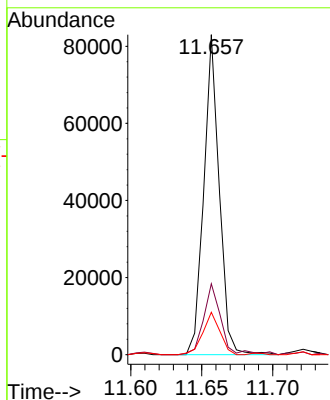
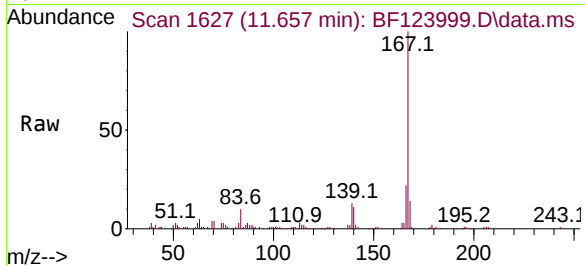




#73
 Carbazole
 Concen: 7.84 ng
 RT: 11.657 min Scan# 1627
 Delta R.T. -0.000 min
 Lab File: BF123999.D
 Acq: 19 May 2021 20:03

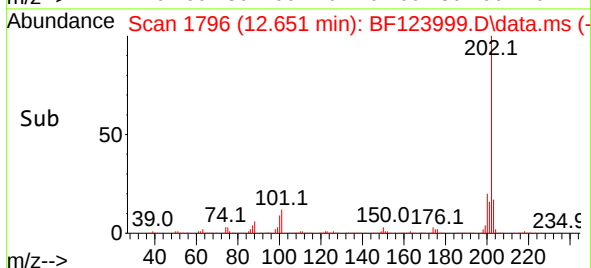
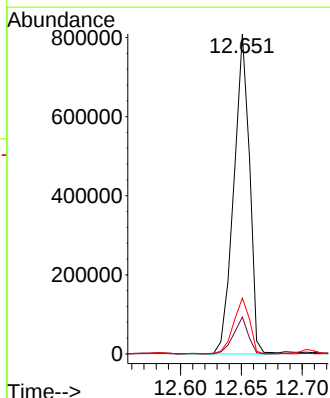
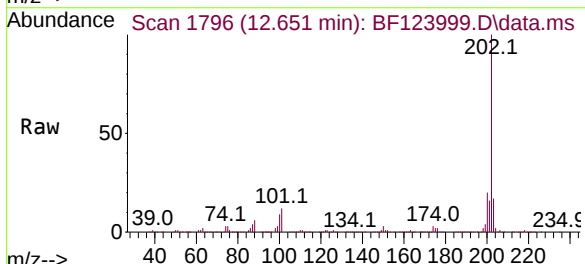
Instrument :
 BNA_F
 ClientSampled :
 TP-3

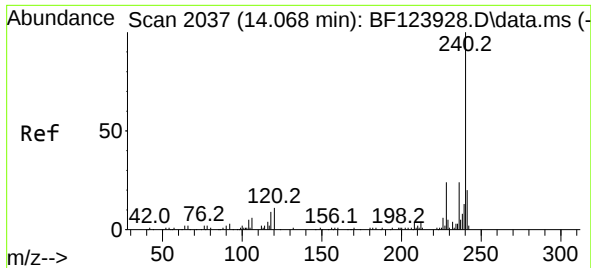
Tgt Ion:167 Resp: 63020
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.0 25.6
 139 13.2 10.4 15.6



#75
 Fluoranthene
 Concen: 77.14 ng
 RT: 12.651 min Scan# 1796
 Delta R.T. 0.012 min
 Lab File: BF123999.D
 Acq: 19 May 2021 20:03

Tgt Ion:202 Resp: 724093
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 30.9
 203 17.4 0.0 37.5

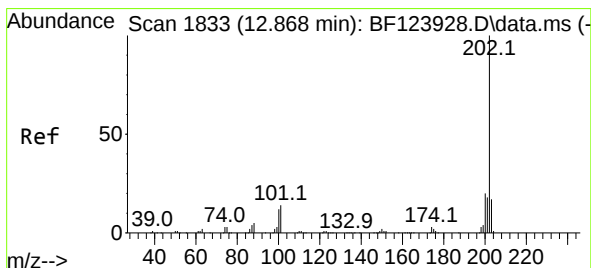
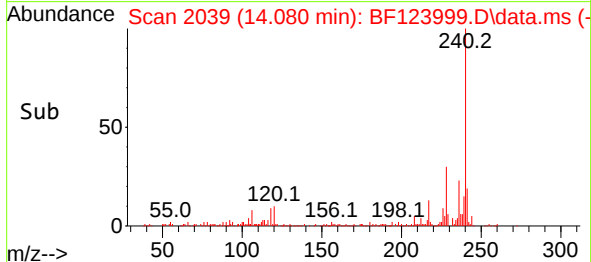
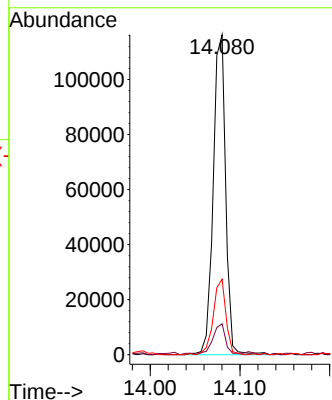
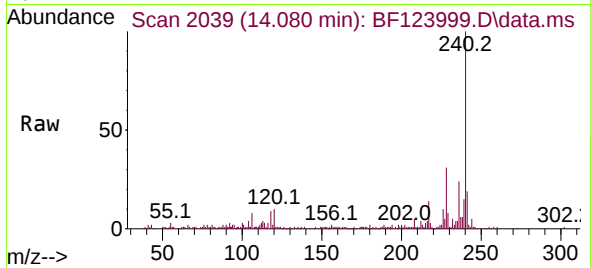




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.012 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

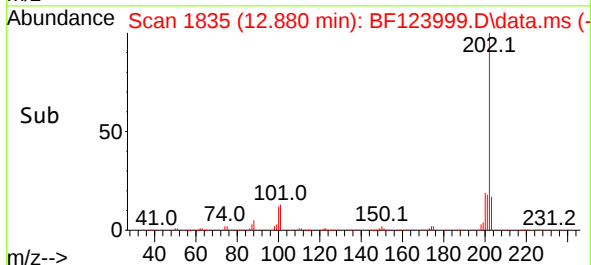
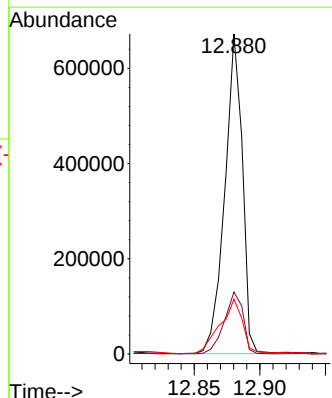
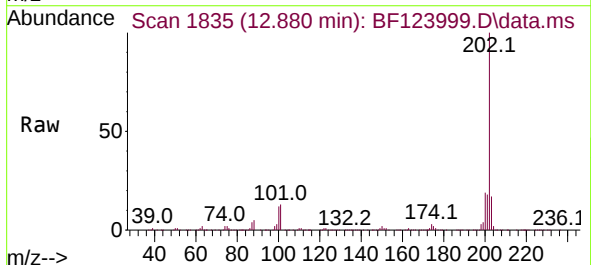
Instrument :
BNA_F
ClientSampleId :
TP-3

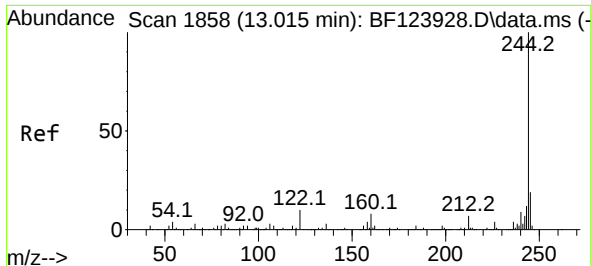
Tgt Ion:240 Resp: 112254
Ion Ratio Lower Upper
240 100
120 9.6 7.2 10.8
236 23.6 19.0 28.4



#78
Pyrene
Concen: 62.70 ng
RT: 12.880 min Scan# 1835
Delta R.T. 0.012 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion:202 Resp: 624872
Ion Ratio Lower Upper
202 100
200 19.3 16.1 24.1
203 17.1 14.8 22.2

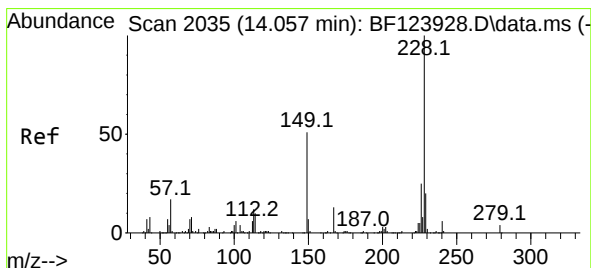
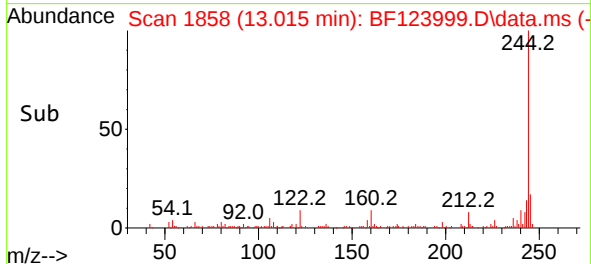
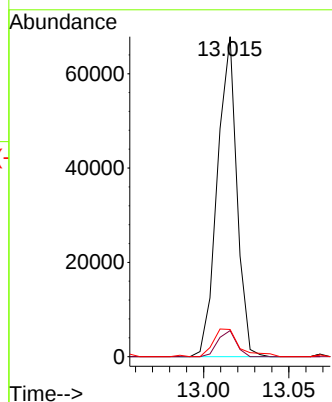
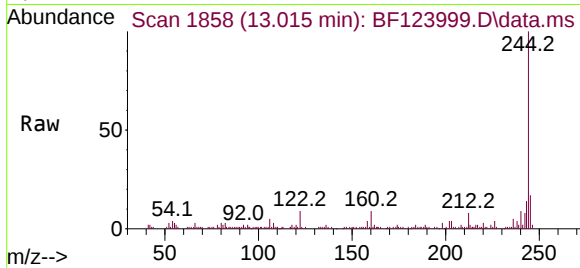




#79
 Terphenyl-d14
 Concen: 7.29 ng
 RT: 13.015 min Scan# 1858
 Delta R.T. -0.000 min
 Lab File: BF123999.D
 Acq: 19 May 2021 20:03

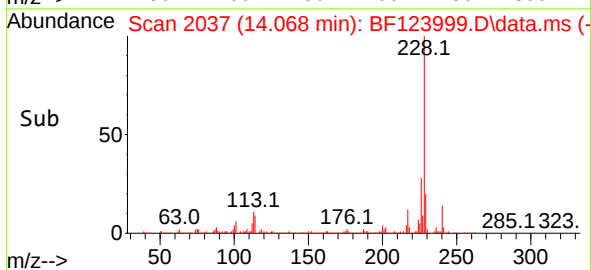
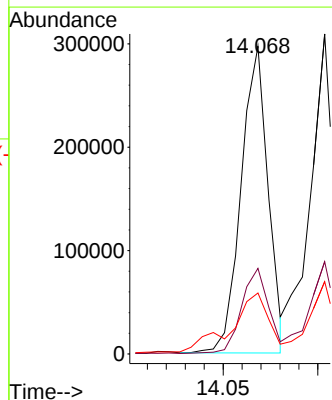
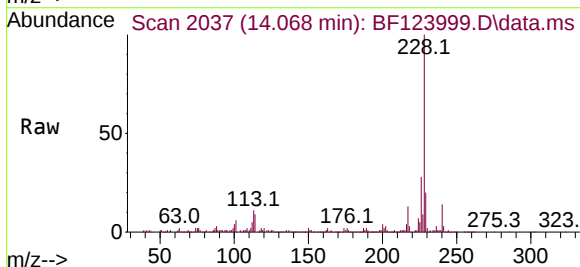
Instrument :
 BNA_F
 ClientSampled :
 TP-3

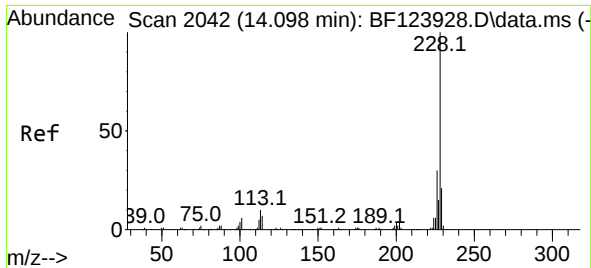
Tgt Ion:244 Resp: 54040
 Ion Ratio Lower Upper
 244 100
 212 8.2 5.7 8.5
 122 8.5 9.7 14.5#



#81
 Benzo(a)anthracene
 Concen: 36.20 ng
 RT: 14.068 min Scan# 2037
 Delta R.T. 0.012 min
 Lab File: BF123999.D
 Acq: 19 May 2021 20:03

Tgt Ion:228 Resp: 293882
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.4 33.6
 229 19.8 16.0 24.0

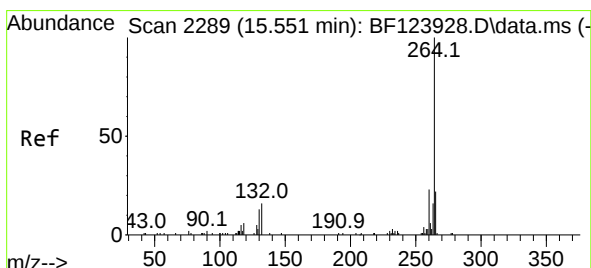
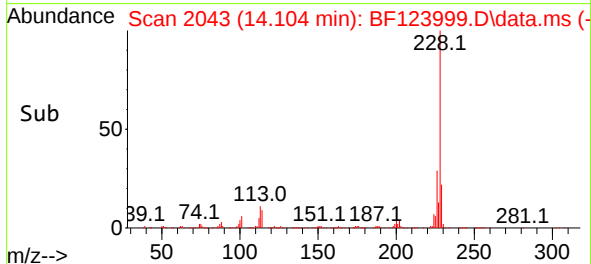
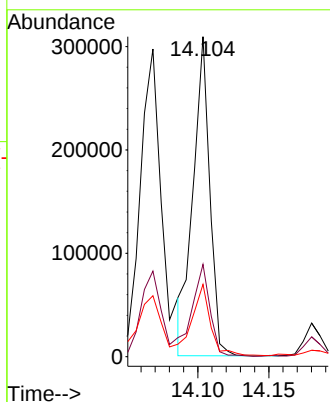
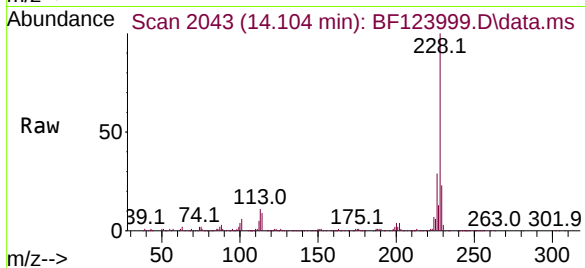




#83
Chrysene
Concen: 32.20 ng
RT: 14.104 min Scan# 2043
Delta R.T. 0.006 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

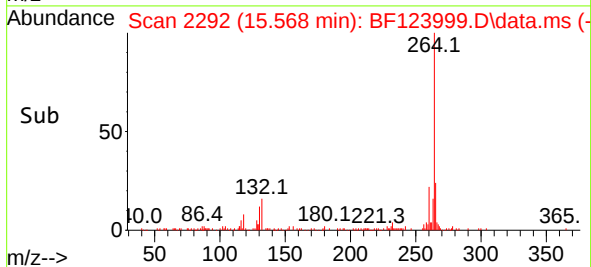
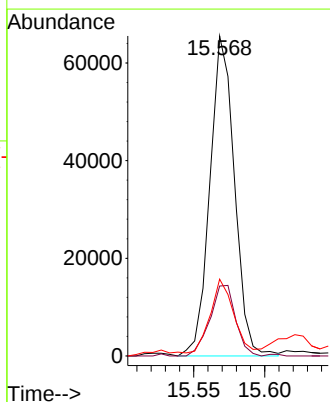
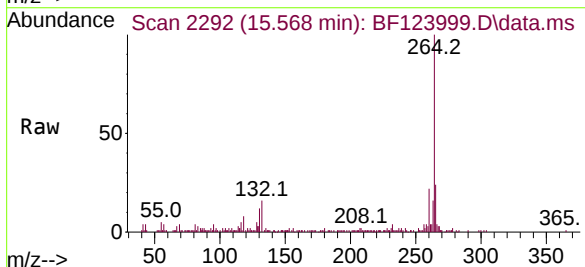
Instrument :
BNA_F
ClientSampled :
TP-3

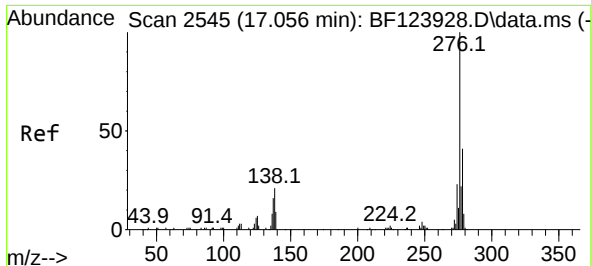
Tgt Ion:	228	Resp:	251454
Ion Ratio	Lower	Upper	
228	100		
226	28.9	24.3	36.5
229	22.6	16.2	24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.568 min Scan# 2292
Delta R.T. 0.018 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion:	264	Resp:	79015
Ion Ratio	Lower	Upper	
264	100		
260	21.9	18.7	28.1
265	24.0	17.8	26.8

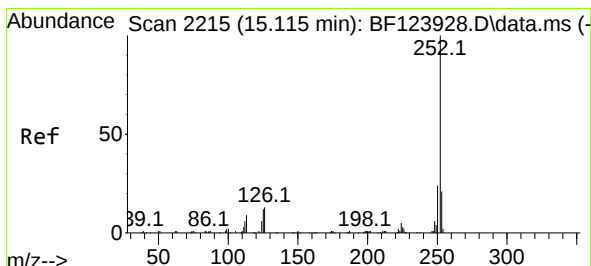
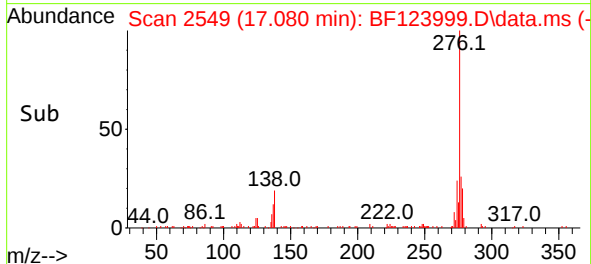
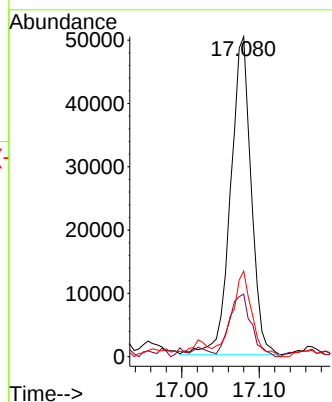
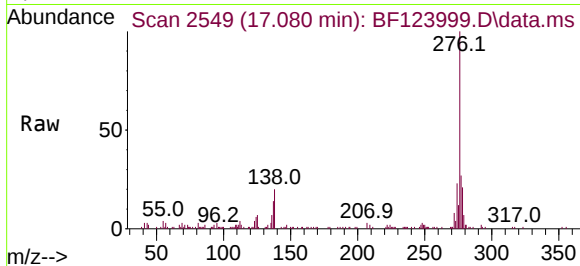




#87
Indeno(1,2,3-cd)pyrene
Concen: 15.23 ng
RT: 17.080 min Scan# 2549
Delta R.T. 0.023 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

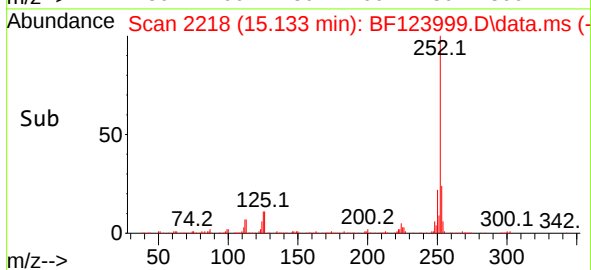
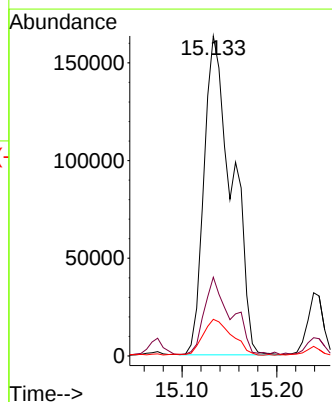
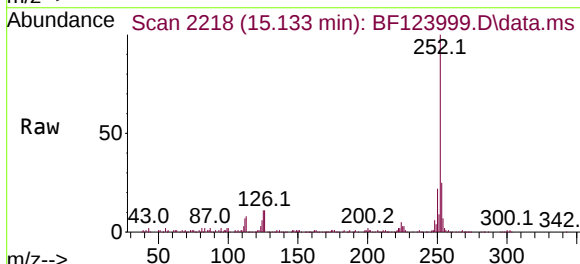
Instrument :
BNA_F
ClientSampleId :
TP-3

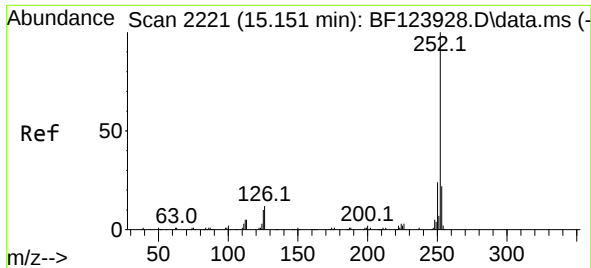
Tgt Ion:276 Resp: 92937
Ion Ratio Lower Upper
276 100
138 20.9 16.2 24.2
277 26.2 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 55.25 ng
RT: 15.133 min Scan# 2218
Delta R.T. 0.018 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion:252 Resp: 337682
Ion Ratio Lower Upper
252 100
253 24.6 18.1 27.1
125 11.4 6.2 9.4#

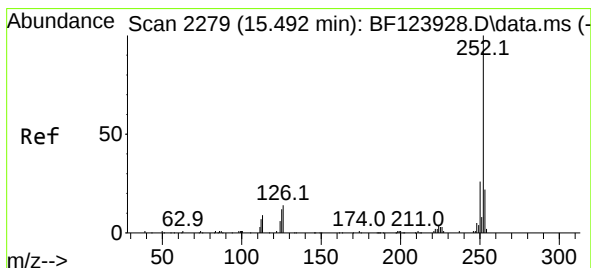
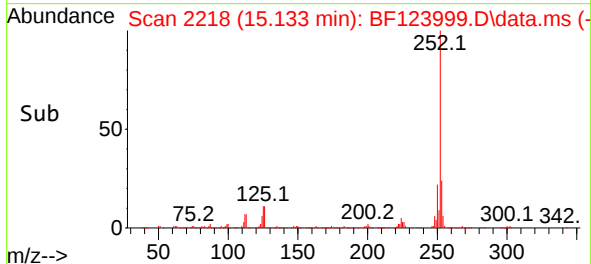
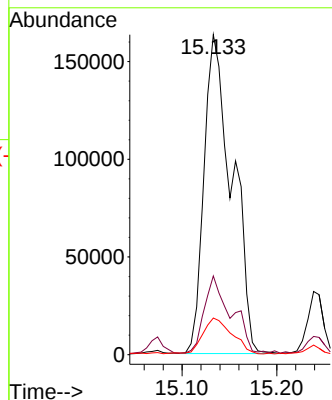
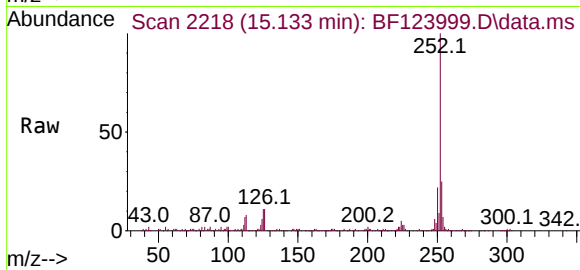




#89
Benzo(k)fluoranthene
Concen: 60.62 ng
RT: 15.133 min Scan# 2218
Delta R.T. -0.018 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

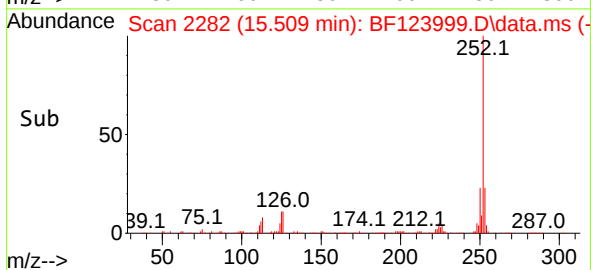
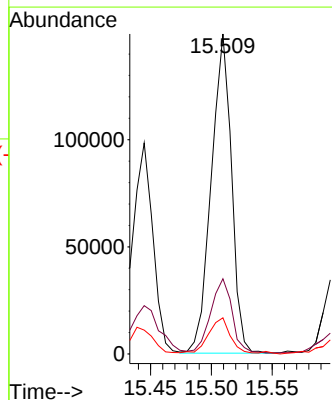
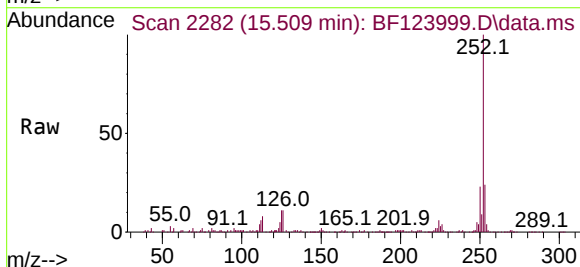
Instrument :
BNA_F
ClientSampleId :
TP-3

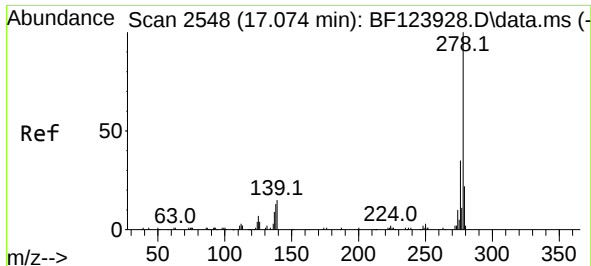
Tgt Ion:252 Resp: 337682
Ion Ratio Lower Upper
252 100
253 24.6 17.9 26.9
125 11.4 7.0 10.6#



#90
Benzo(a)pyrene
Concen: 32.71 ng
RT: 15.509 min Scan# 2282
Delta R.T. 0.018 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion:252 Resp: 172837
Ion Ratio Lower Upper
252 100
253 23.5 18.4 27.6
125 11.3 8.0 12.0

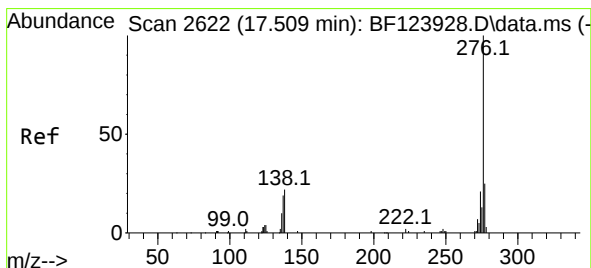
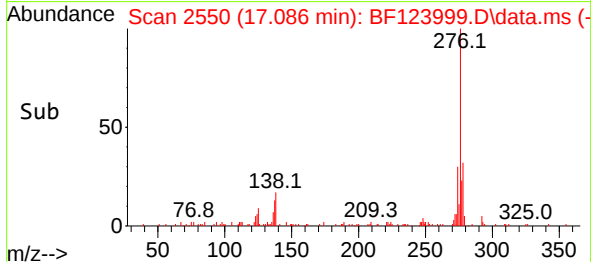
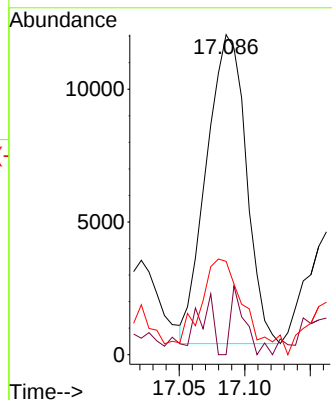
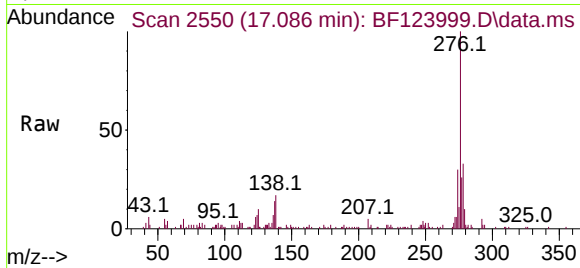




#91
Dibenzo(a,h)anthracene
Concen: 4.79 ng
RT: 17.086 min Scan# 2550
Delta R.T. 0.012 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Instrument :
BNA_F
ClientSampled :
TP-3

Tgt Ion:278 Resp: 24592
Ion Ratio Lower Upper
278 100
139 0.0 10.2 15.2#
279 29.2 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 17.88 ng
RT: 17.533 min Scan# 2626
Delta R.T. 0.023 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion:276 Resp: 92162
Ion Ratio Lower Upper
276 100
277 26.3 18.2 27.2
138 22.1 13.8 20.6#

