

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020521\
 Data File : BF123133.D
 Acq On : 5 Feb 2021 13:55
 Operator : JU/CG
 Sample : M1315-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Quant Time: Feb 05 15:16:44 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 29 12:29:00 2021
 Response via : Initial Calibration

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

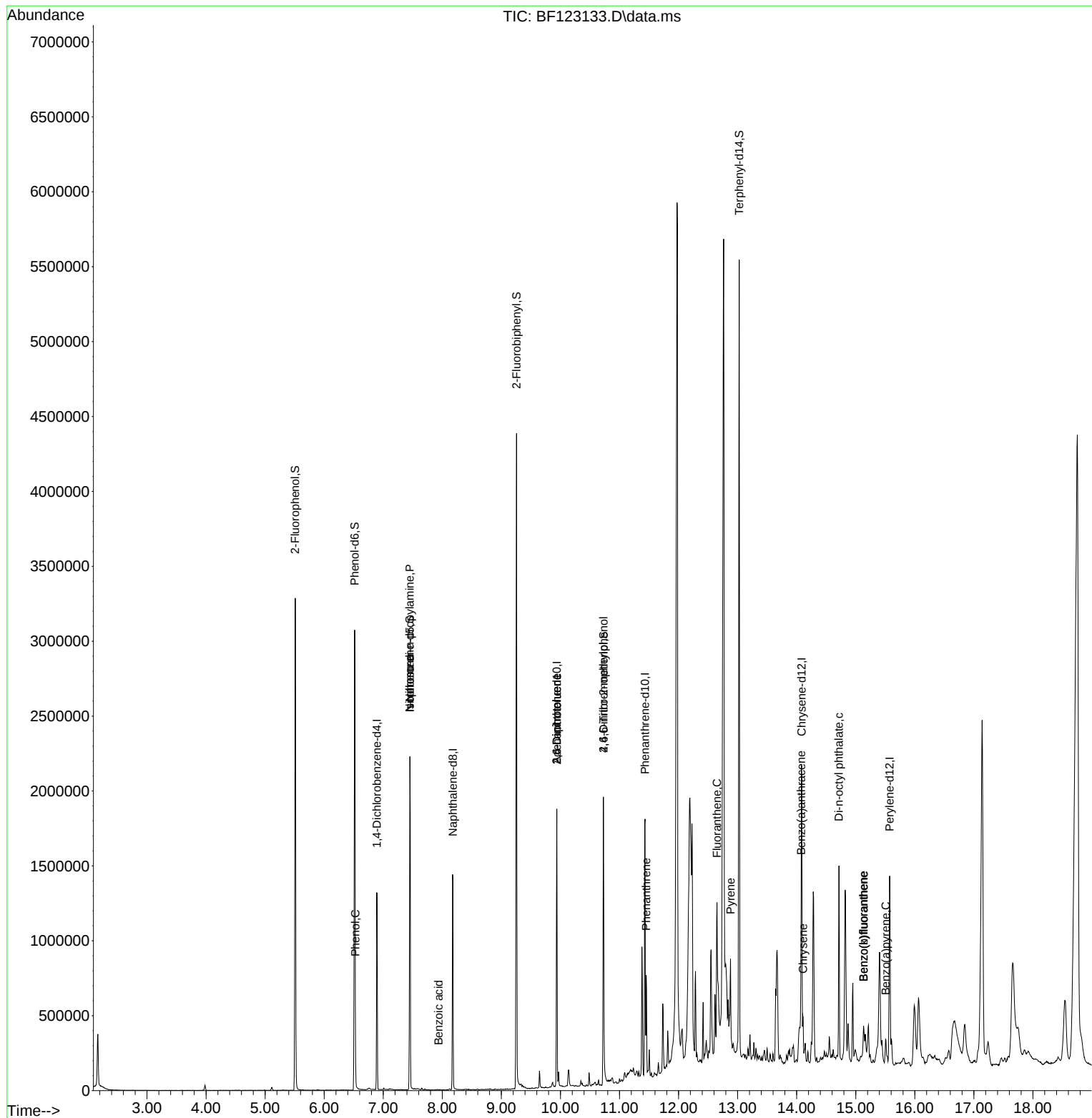
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	175879	20.00	ng	0.00
21) Naphthalene-d8	8.181	136	670002	20.00	ng	0.00
39) Acenaphthene-d10	9.939	164	363320	20.00	ng	0.00
64) Phenanthrene-d10	11.433	188	672226	20.00	ng	0.00
76) Chrysene-d12	14.086	240	637776	20.00	ng	0.00
86) Perylene-d12	15.574	264	586531	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	930764	81.63	ng	0.00
7) Phenol-d6	6.516	99	1164626	75.36	ng	0.00
23) Nitrobenzene-d5	7.451	82	733413	55.09	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	244674	62.04	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1358136	55.57	ng	0.00
79) Terphenyl-d14	13.027	244	1575620	48.54	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.528	94	36472	2.38	ng	96
19) n-Nitroso-di-n-propyla...	7.451	70	99378	10.69	ng	# 79
25) Isophorone	7.451	82	728106	29.86	ng	# 65
32) Benzoic acid	7.939	122	106	4.93	ng	# 27
51) 2,6-Dinitrotoluene	9.939	165	46450	7.65	ng	# 31
57) 2,4-Dinitrotoluene	9.939	165	46450	5.88	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.727	198	621	5.13	ng	# 1
71) Phenanthrene	11.451	178	249896	5.99	ng	96
75) Fluoranthene	12.651	202	277913	6.66	ng	97
78) Pyrene	12.880	202	228144	4.74	ng	99
81) Benzo(a)anthracene	14.074	228	116446	2.70	ng	96
83) Chrysene	14.110	228	110485	2.56	ng	96
85) Di-n-octyl phthalate	14.715	149	111287	2.41	ng	# 44
88) Benzo(b)fluoranthene	15.133	252	157587	3.72	ng	# 96
89) Benzo(k)fluoranthene	15.133	252	157587	4.01	ng	# 97
90) Benzo(a)pyrene	15.510	252	82710	2.22	ng	97

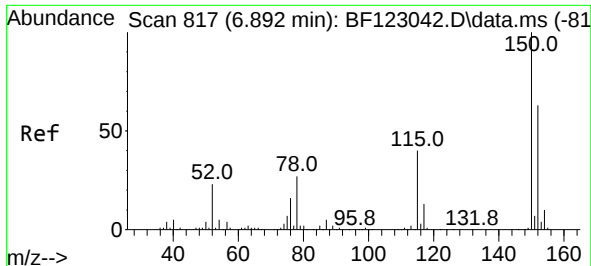
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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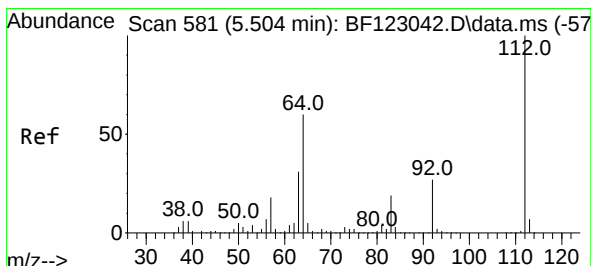
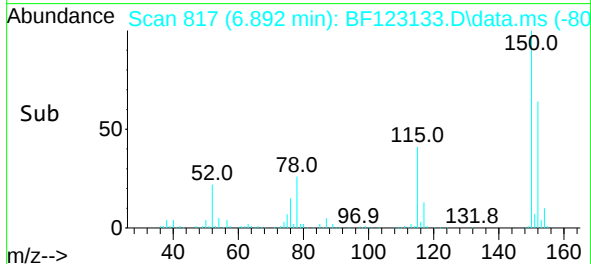
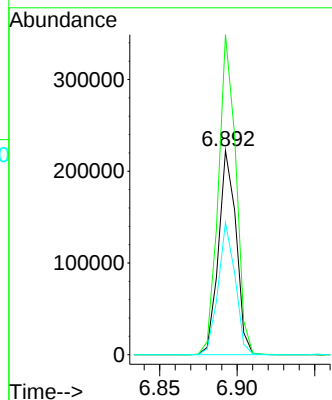
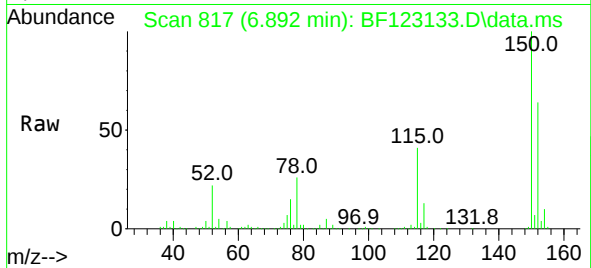




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.892 min Scan# 817
Delta R.T. 0.000 min
Lab File: BF123133.D
Acq: 5 Feb 2021 13:55

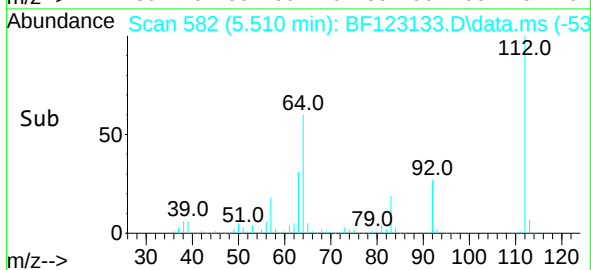
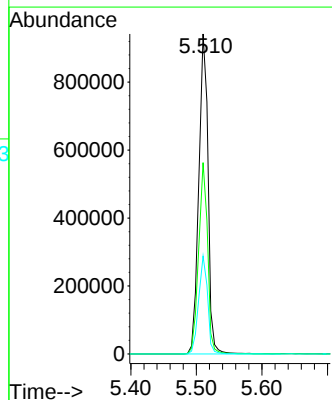
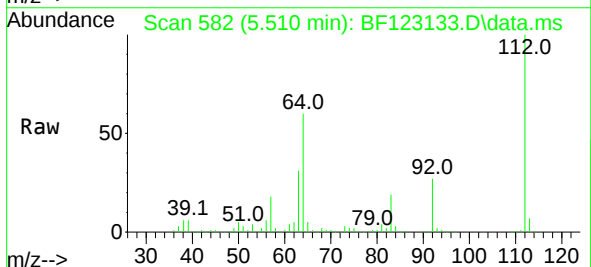
Instrument :
BNA_F
ClientSampleId :
SP-1

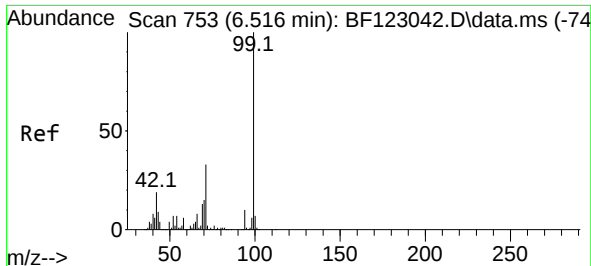
Tgt Ion:152 Resp: 175879
Ion Ratio Lower Upper
152 100
150 156.8 125.8 188.6
115 64.7 49.3 73.9



#5
2-Fluorophenol
Concen: 81.63 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.006 min
Lab File: BF123133.D
Acq: 5 Feb 2021 13:55

Tgt Ion:112 Resp: 930764
Ion Ratio Lower Upper
112 100
64 59.8 46.9 70.3
63 30.6 24.5 36.7

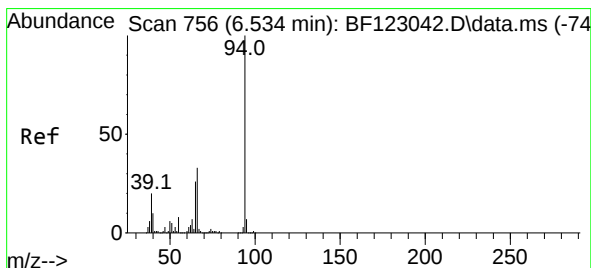
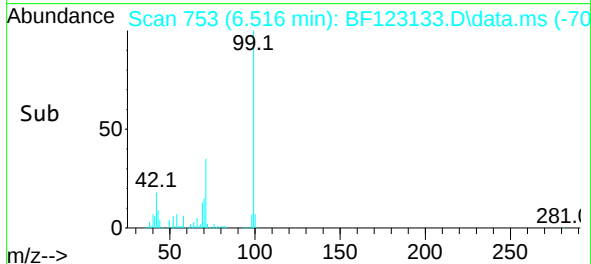
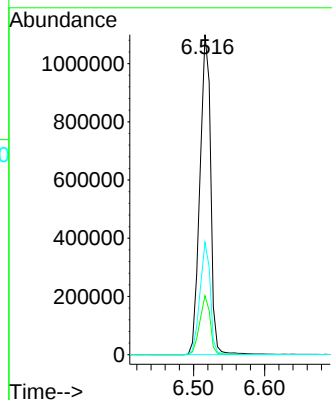
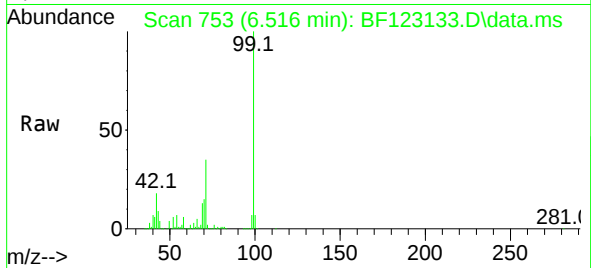




#7
Phenol-d6
Concen: 75.36 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF123133.D
Acq: 5 Feb 2021 13:55

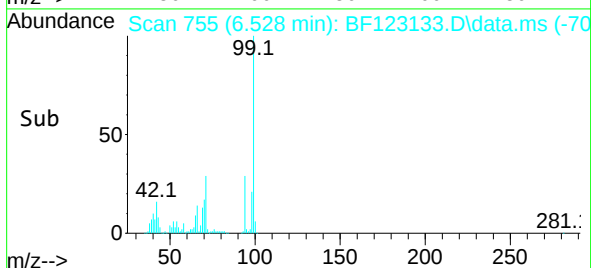
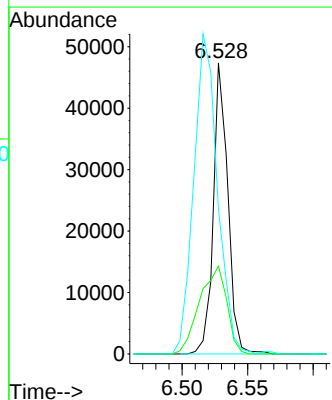
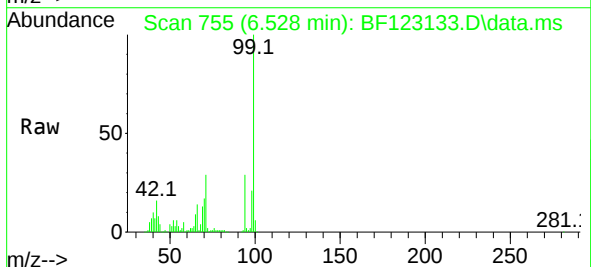
Instrument :
BNA_F
ClientSampleId :
SP-1

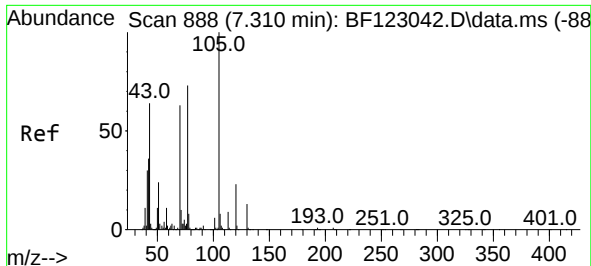
Tgt Ion: 99 Resp: 1164626
Ion Ratio Lower Upper
99 100
42 18.4 13.8 20.6
71 35.1 26.9 40.3



#10
Phenol
Concen: 2.38 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF123133.D
Acq: 5 Feb 2021 13:55

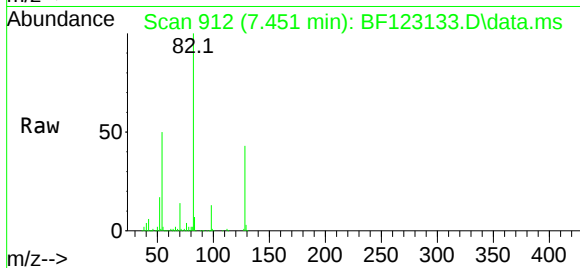
Tgt Ion: 94 Resp: 36472
Ion Ratio Lower Upper
94 100
65 30.2 11.2 51.2
66 49.7 25.8 65.8



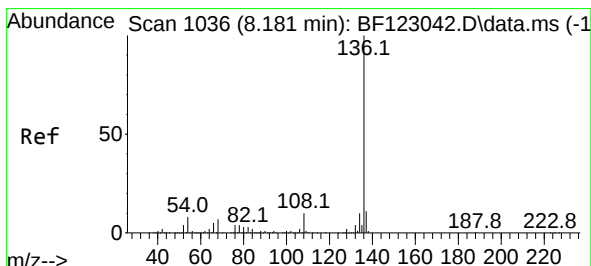
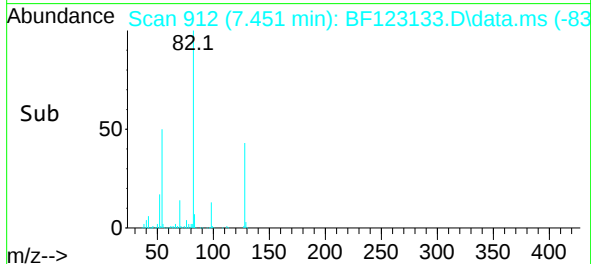
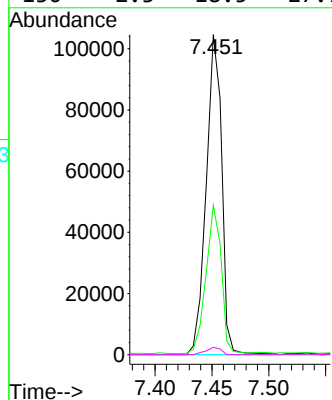


#19
n-Nitroso-di-n-propylamine
Concen: 10.69 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.141 min
Lab File: BF123133.D
Acq: 5 Feb 2021 13:55

Instrument :
BNA_F
ClientSampleId :
SP-1

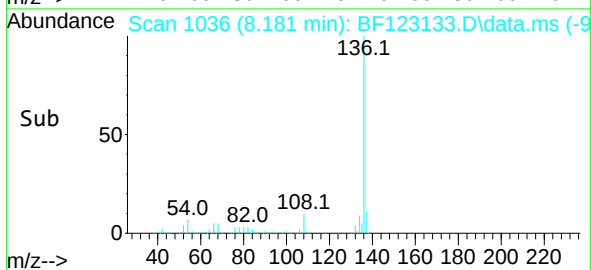
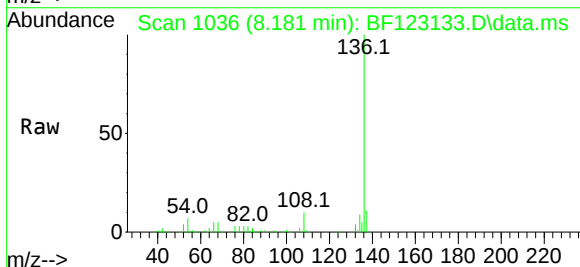
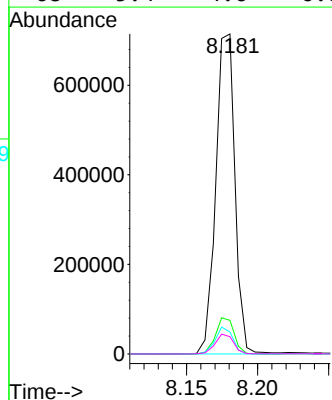


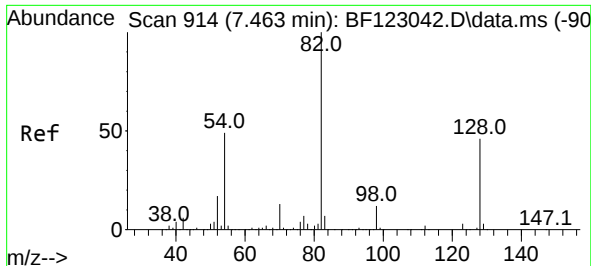
Tgt Ion: 70 Resp: 99378
Ion Ratio Lower Upper
70 100
42 46.7 43.0 64.4
101 0.0 7.9 11.9#
130 2.3 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.181 min Scan# 1036
Delta R.T. -0.000 min
Lab File: BF123133.D
Acq: 5 Feb 2021 13:55

Tgt Ion:136 Resp: 670002
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 6.8 5.5 8.3
68 5.4 4.6 6.8

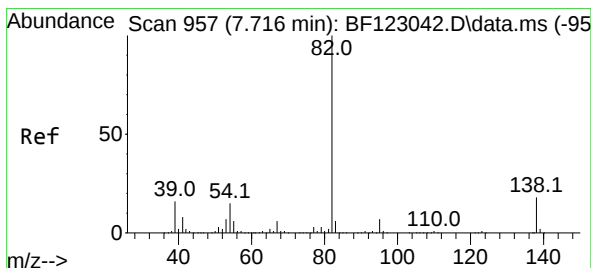
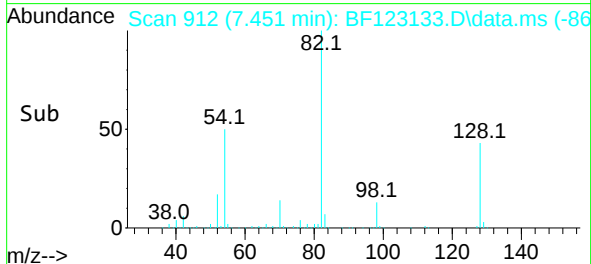
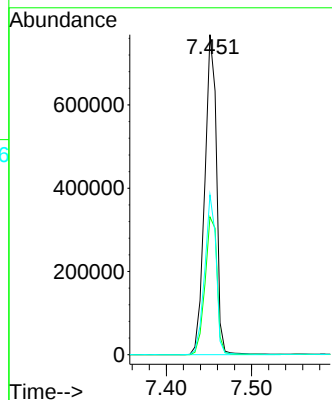
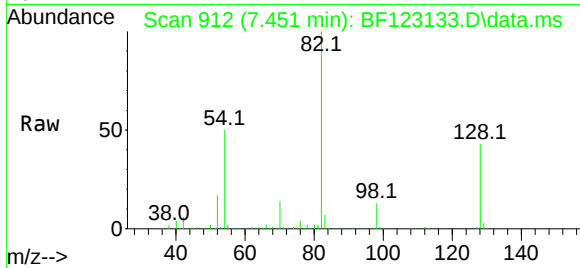




#23
Nitrobenzene-d5
Concen: 55.09 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF123133.D
Acq: 5 Feb 2021 13:55

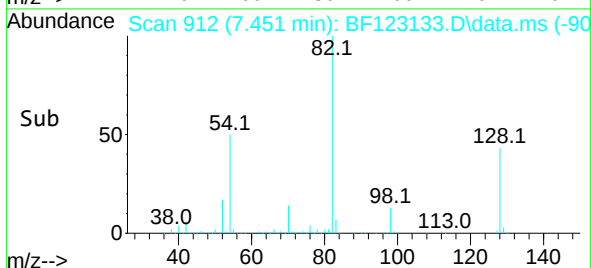
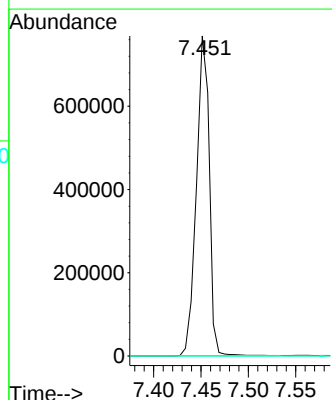
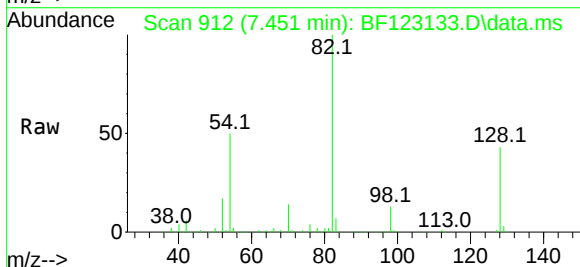
Instrument :
BNA_F
ClientSampleId :
SP-1

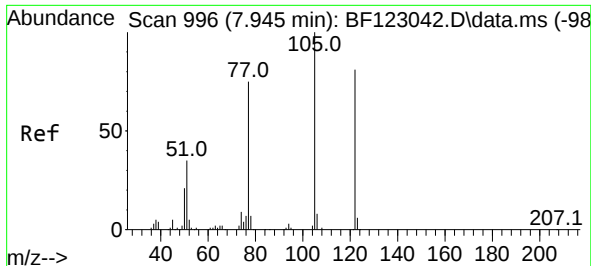
Tgt Ion: 82 Resp: 733413
Ion Ratio Lower Upper
82 100
128 43.1 37.0 55.4
54 50.0 38.4 57.6



#25
Isophorone
Concen: 29.86 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.265 min
Lab File: BF123133.D
Acq: 5 Feb 2021 13:55

Tgt Ion: 82 Resp: 728106
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#

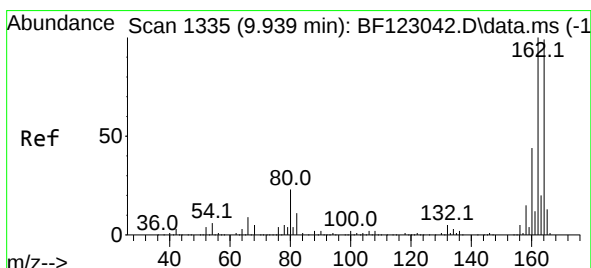
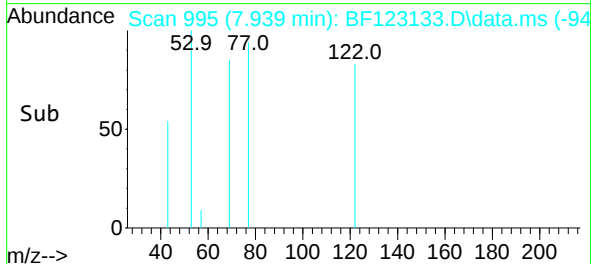
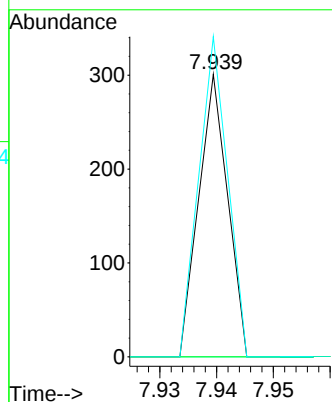
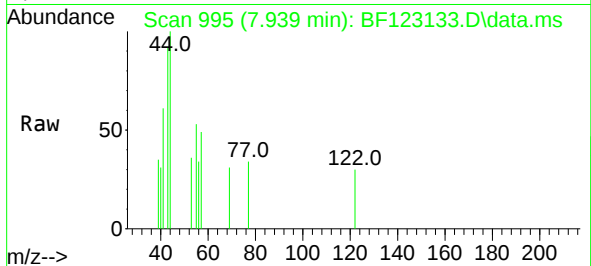




#32
Benzoic acid
Concen: 4.93 ng
RT: 7.939 min Scan# 995
Delta R.T. -0.006 min
Lab File: BF123133.D
Acq: 5 Feb 2021 13:55

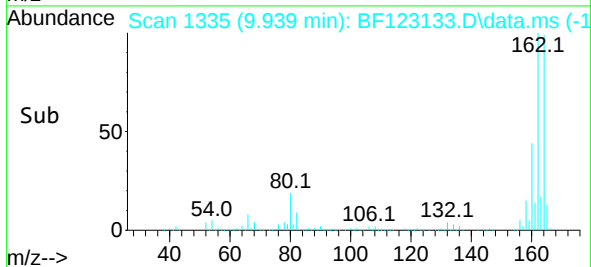
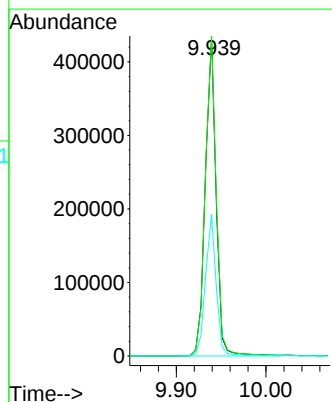
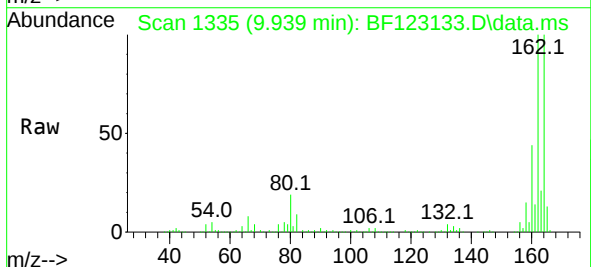
Instrument :
BNA_F
ClientSampleId :
SP-1

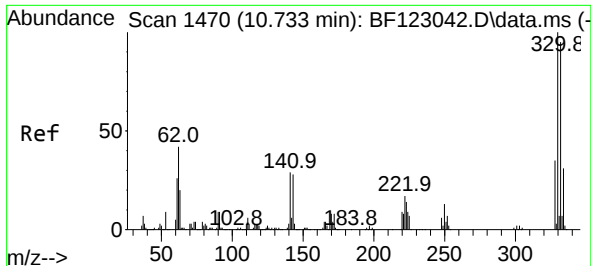
Tgt Ion:122 Resp: 106
Ion Ratio Lower Upper
122 100
105 0.0 104.8 144.8#
77 113.3 71.0 111.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF123133.D
Acq: 5 Feb 2021 13:55

Tgt Ion:164 Resp: 363320
Ion Ratio Lower Upper
164 100
162 100.2 80.8 121.2
160 44.4 35.4 53.0

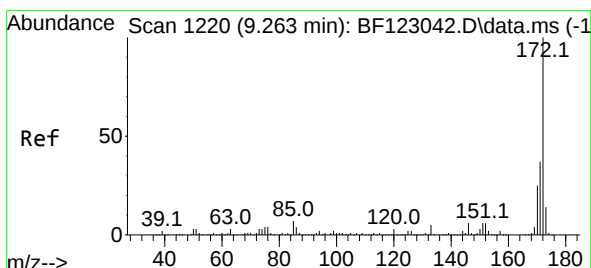
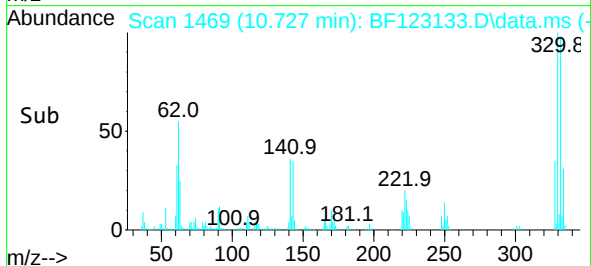
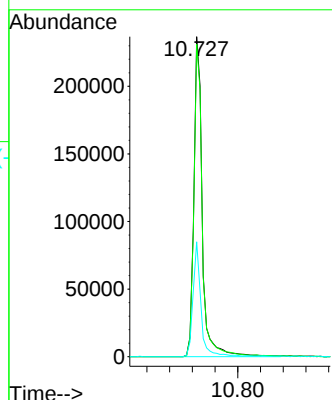
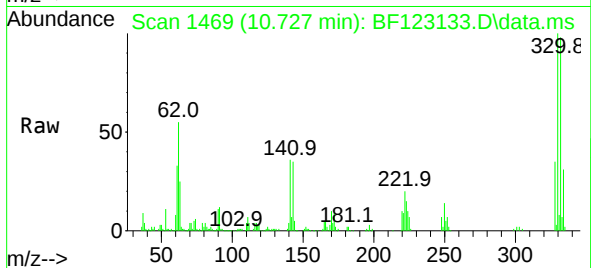




#42
2,4,6-Tribromophenol
Concen: 62.04 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.006 min
Lab File: BF123133.D
Acq: 5 Feb 2021 13:55

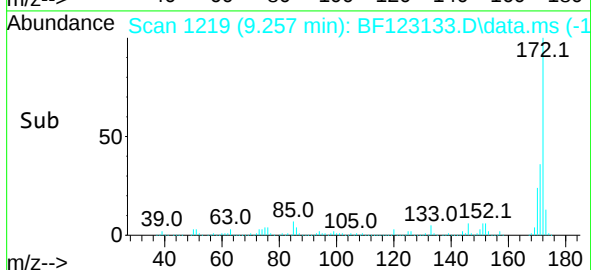
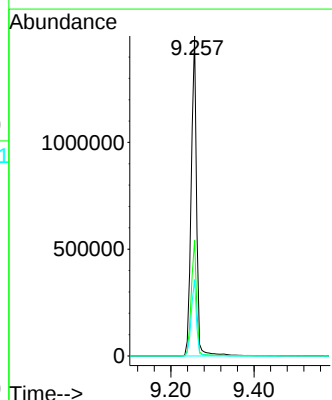
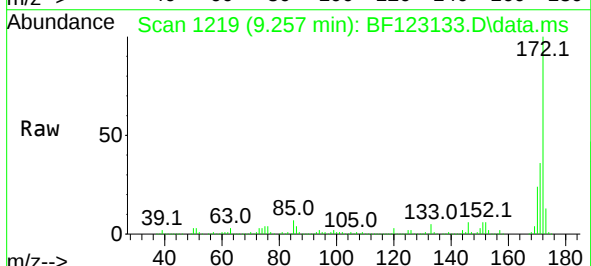
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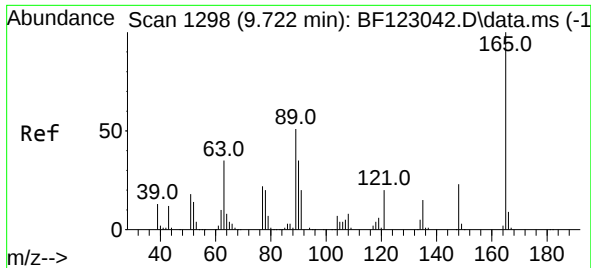
Tgt Ion: 330 Resp: 244674
Ion Ratio Lower Upper
330 100
332 96.8 77.5 116.3
141 33.6 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 55.57 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF123133.D
Acq: 5 Feb 2021 13:55

Tgt Ion: 172 Resp: 1358136
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 23.9 19.5 29.3

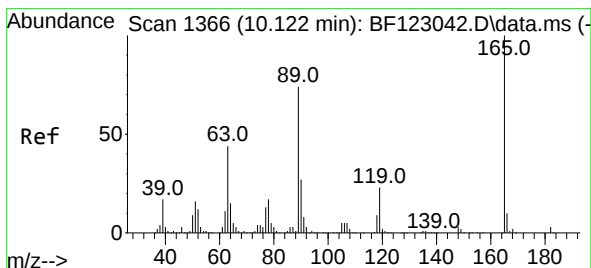
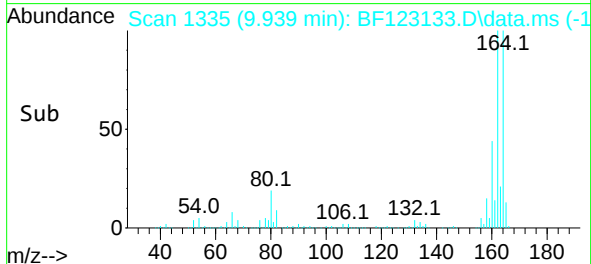
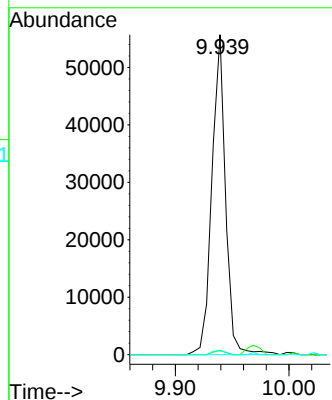
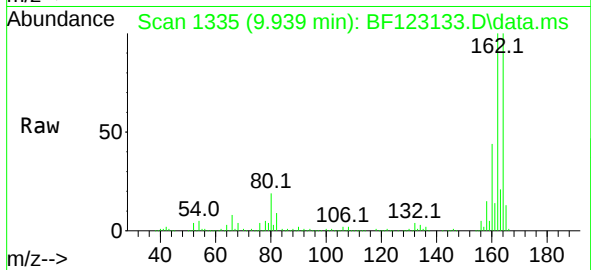




#51
2,6-Dinitrotoluene
Concen: 7.65 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.218 min
Lab File: BF123133.D
Acq: 5 Feb 2021 13:55

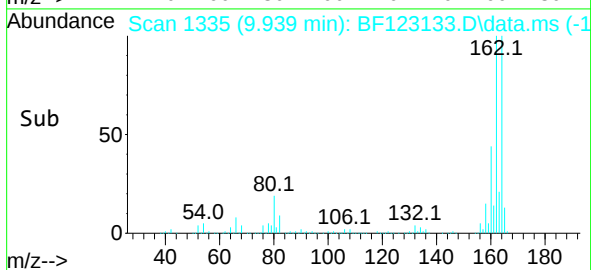
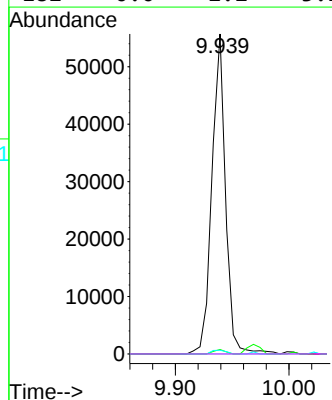
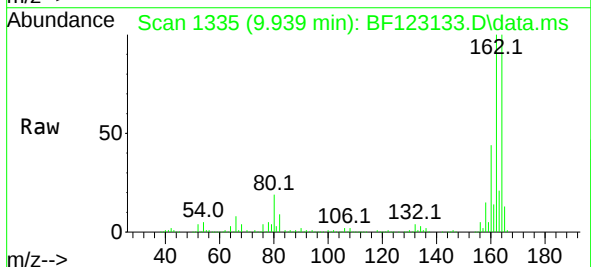
Instrument :
BNA_F
ClientSampled :
SP-1

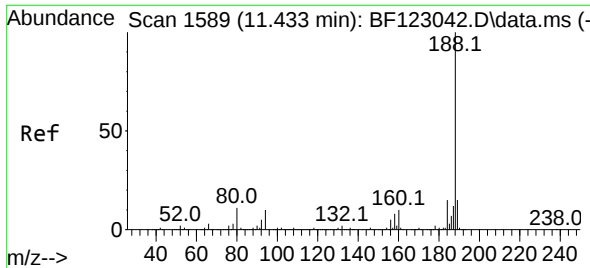
Tgt Ion:165 Resp: 46450
Ion Ratio Lower Upper
165 100
63 1.4 36.6 55.0#
89 1.2 39.4 59.0#



#57
2,4-Dinitrotoluene
Concen: 5.88 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.182 min
Lab File: BF123133.D
Acq: 5 Feb 2021 13:55

Tgt Ion:165 Resp: 46450
Ion Ratio Lower Upper
165 100
63 1.4 34.3 51.5#
89 1.2 55.2 82.8#
182 0.0 2.2 3.2#

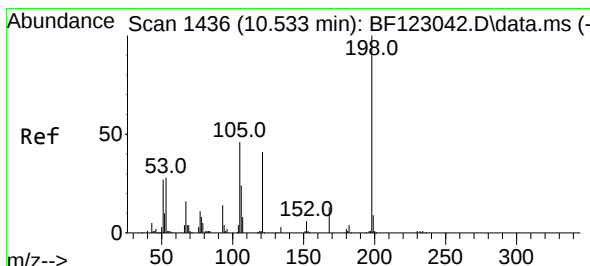
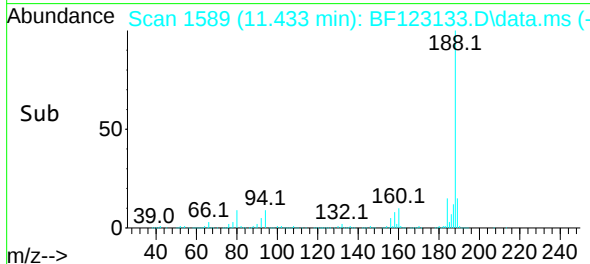
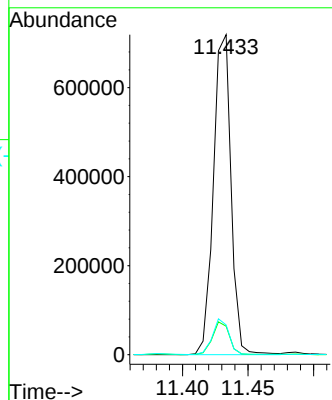
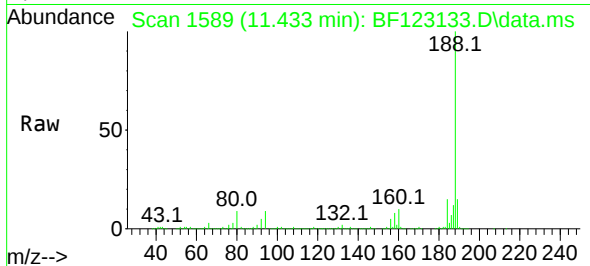




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF123133.D
Acq: 5 Feb 2021 13:55

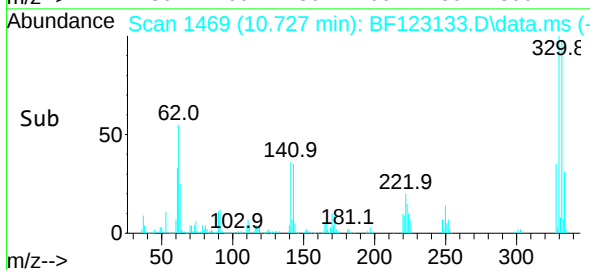
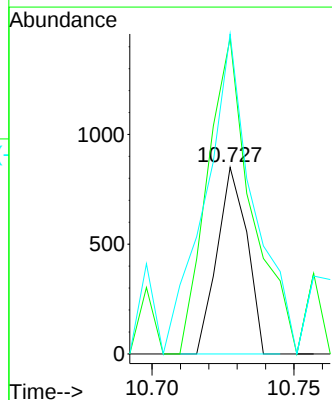
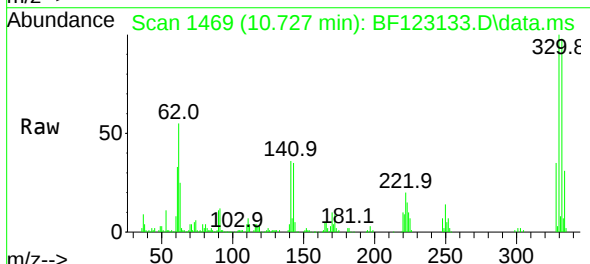
Instrument :
BNA_F
ClientSampled :
SP-1

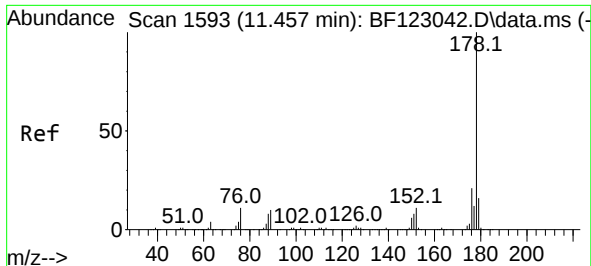
Tgt Ion:188 Resp: 672226
Ion Ratio Lower Upper
188 100
94 8.9 7.4 11.2
80 9.3 8.2 12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 5.13 ng
RT: 10.727 min Scan# 1469
Delta R.T. 0.194 min
Lab File: BF123133.D
Acq: 5 Feb 2021 13:55

Tgt Ion:198 Resp: 621
Ion Ratio Lower Upper
198 100
51 169.4 20.3 60.3#
105 171.5 23.0 63.0#

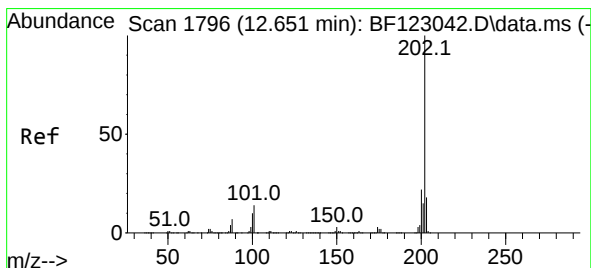
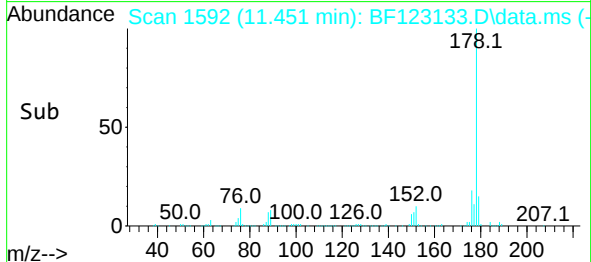
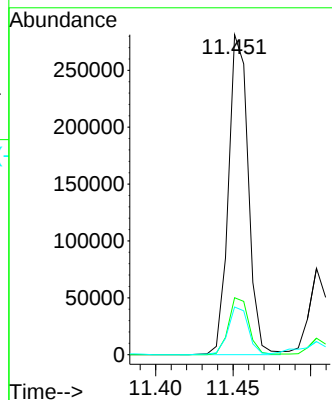
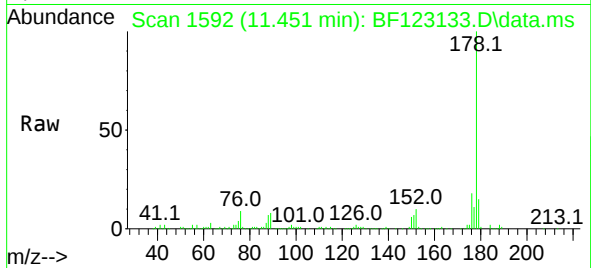




#71
Phenanthrene
Concen: 5.99 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF123133.D
Acq: 5 Feb 2021 13:55

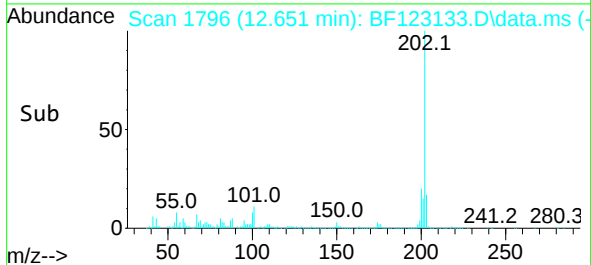
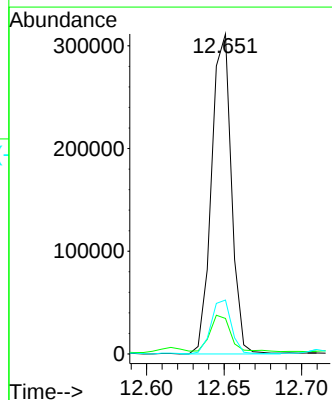
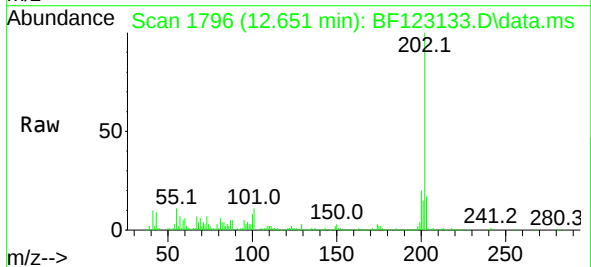
Instrument :
BNA_F
ClientSampleId :
SP-1

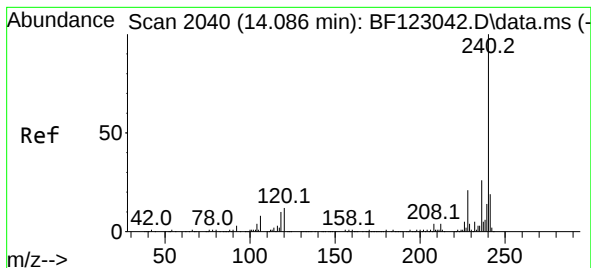
Tgt Ion:178 Resp: 249896
Ion Ratio Lower Upper
178 100
176 17.8 16.2 24.2
179 14.9 12.7 19.1



#75
Fluoranthene
Concen: 6.66 ng
RT: 12.651 min Scan# 1796
Delta R.T. -0.000 min
Lab File: BF123133.D
Acq: 5 Feb 2021 13:55

Tgt Ion:202 Resp: 277913
Ion Ratio Lower Upper
202 100
101 11.1 0.0 32.2
203 16.9 0.0 38.1

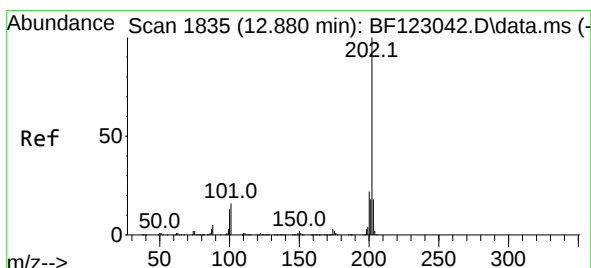
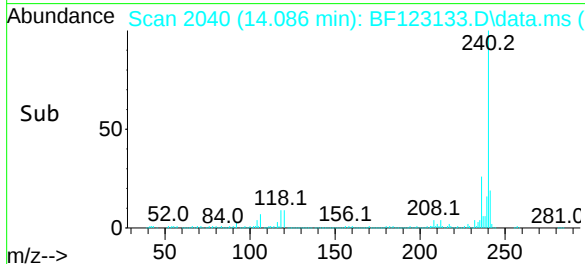
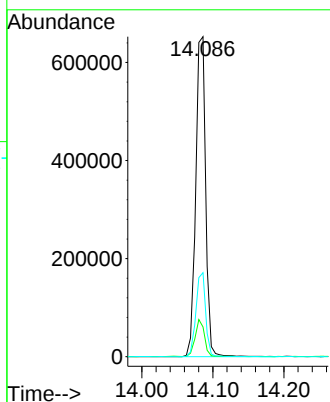
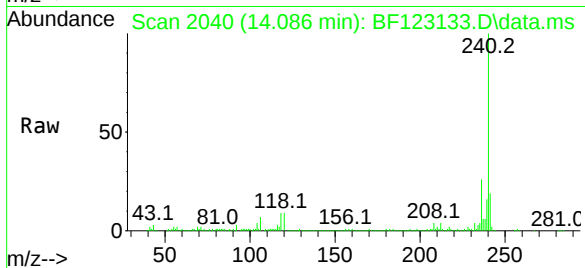




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.000 min
Lab File: BF123133.D
Acq: 5 Feb 2021 13:55

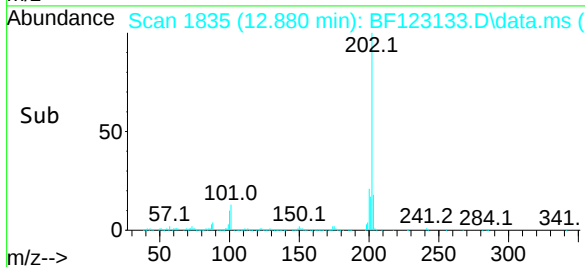
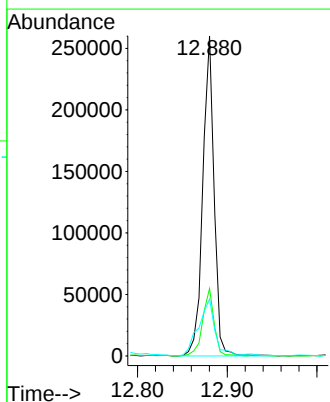
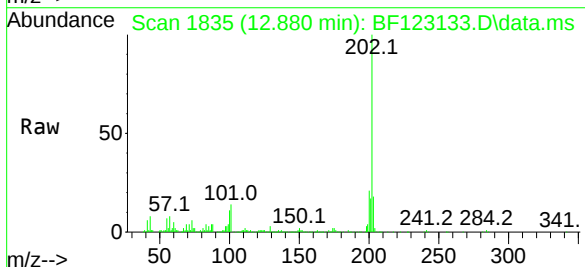
Instrument :
BNA_F
ClientSampleId :
SP-1

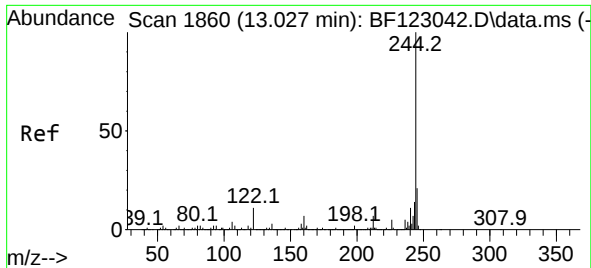
Tgt Ion:240 Resp: 637776
Ion Ratio Lower Upper
240 100
120 9.3 8.6 12.8
236 26.2 20.3 30.5



#78
Pyrene
Concen: 4.74 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.000 min
Lab File: BF123133.D
Acq: 5 Feb 2021 13:55

Tgt Ion:202 Resp: 228144
Ion Ratio Lower Upper
202 100
200 21.1 17.6 26.4
203 17.8 14.6 21.8

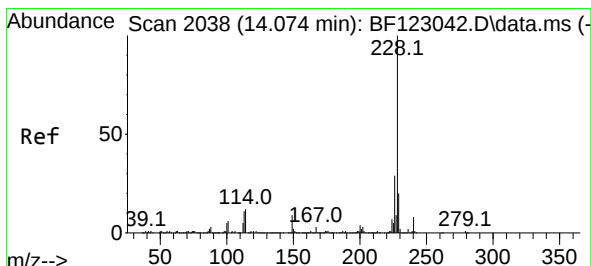
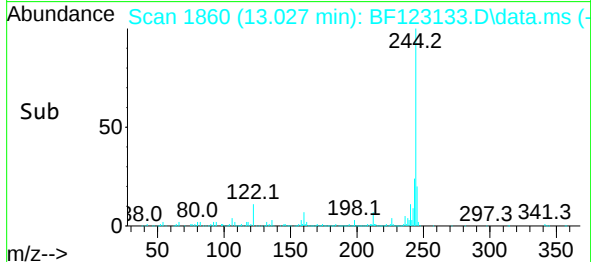
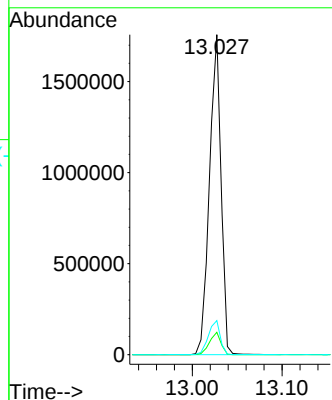
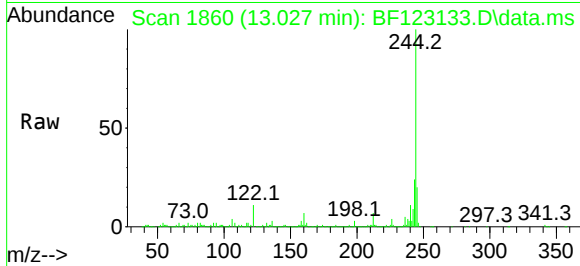




#79
 Terphenyl-d14
 Concen: 48.54 ng
 RT: 13.027 min Scan# 1860
 Delta R.T. -0.000 min
 Lab File: BF123133.D
 Acq: 5 Feb 2021 13:55

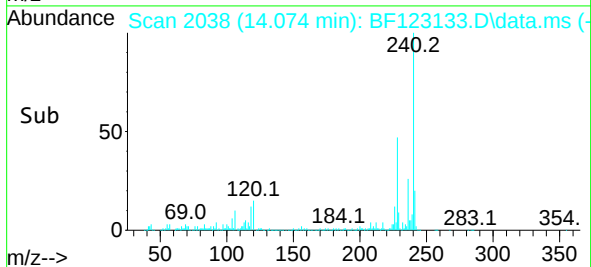
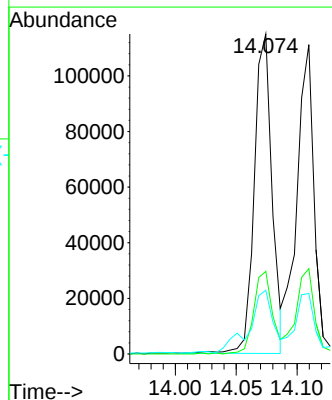
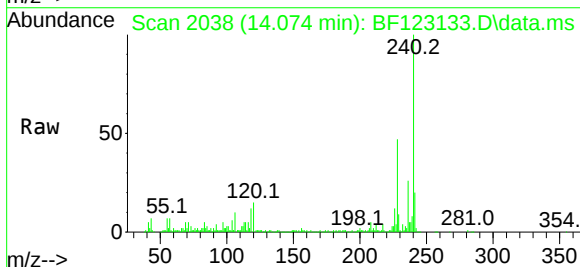
Instrument :
 BNA_F
 ClientSampled :
 SP-1

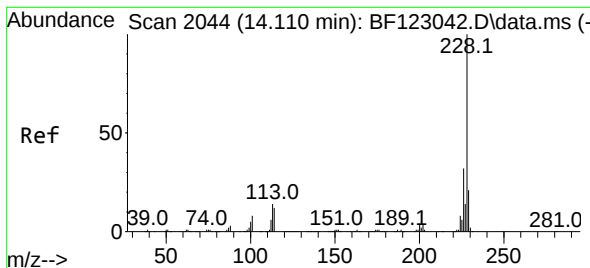
Tgt Ion:244 Resp: 1575620
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 10.7 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 2.70 ng
 RT: 14.074 min Scan# 2038
 Delta R.T. -0.000 min
 Lab File: BF123133.D
 Acq: 5 Feb 2021 13:55

Tgt Ion:228 Resp: 116446
 Ion Ratio Lower Upper
 228 100
 226 25.8 23.0 34.4
 229 19.9 16.6 24.8





#83

Chrysene

Concen: 2.56 ng

RT: 14.110 min Scan# 2044

Delta R.T. -0.000 min

Lab File: BF123133.D

Acq: 5 Feb 2021 13:55

Tgt Ion:228 Resp: 110485

Ion Ratio Lower Upper

228 100

226 27.6 24.6 36.8

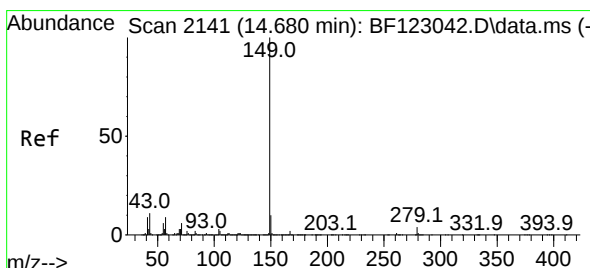
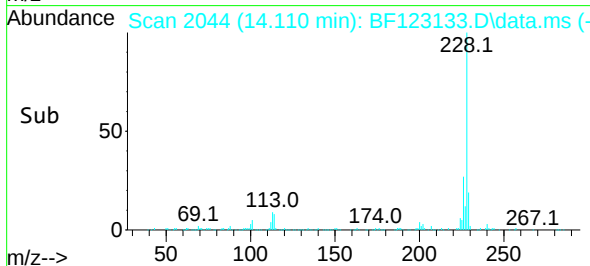
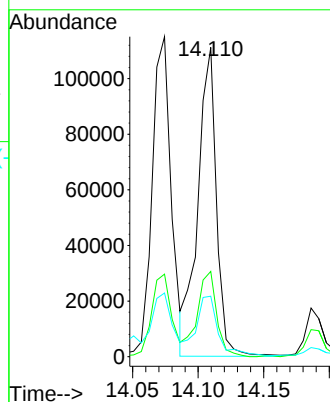
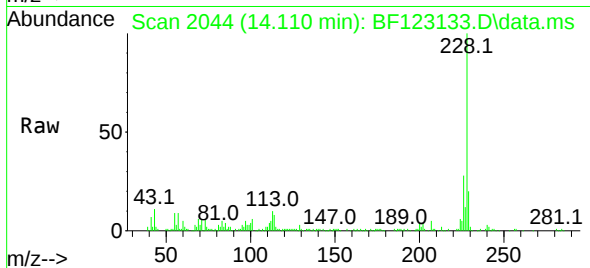
229 19.5 15.8 23.6

Instrument :

BNA_F

ClientSampleId :

SP-1



#85

Di-n-octyl phthalate

Concen: 2.41 ng

RT: 14.715 min Scan# 2147

Delta R.T. 0.035 min

Lab File: BF123133.D

Acq: 5 Feb 2021 13:55

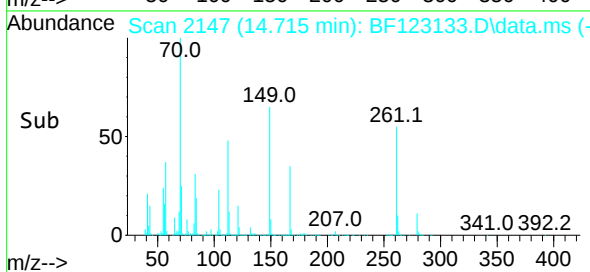
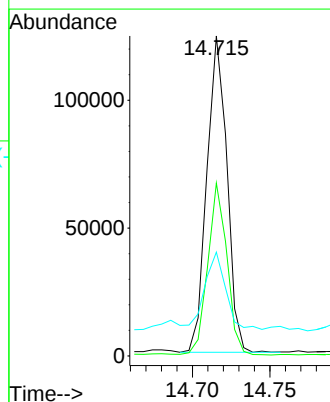
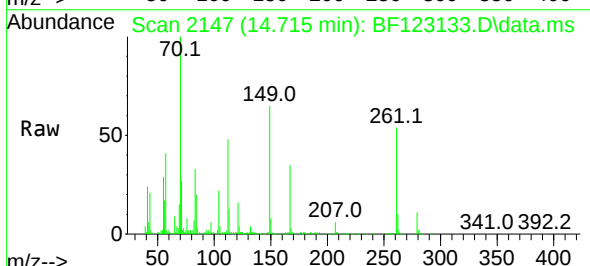
Tgt Ion:149 Resp: 111287

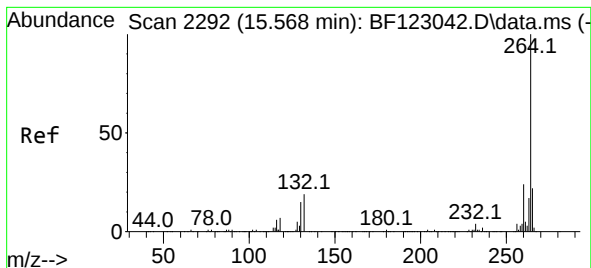
Ion Ratio Lower Upper

149 100

167 51.9 1.3 1.9#

43 25.3 7.6 11.4#





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.574 min Scan# 2293

Delta R.T. 0.006 min

Lab File: BF123133.D

Acq: 5 Feb 2021 13:55

Tgt Ion:264 Resp: 586531

Ion Ratio Lower Upper

264 100

260 24.0 18.6 28.0

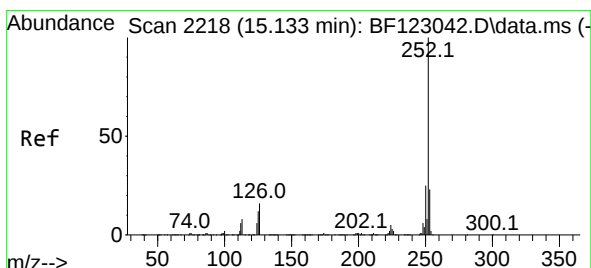
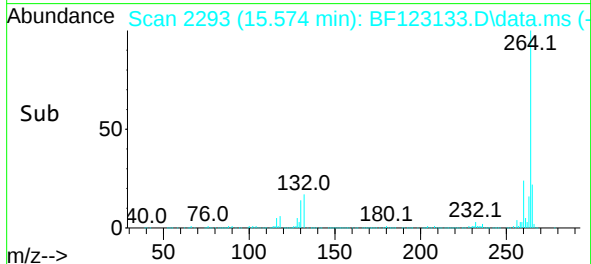
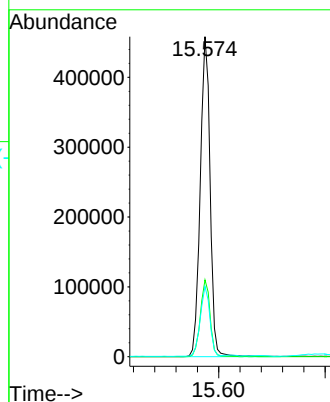
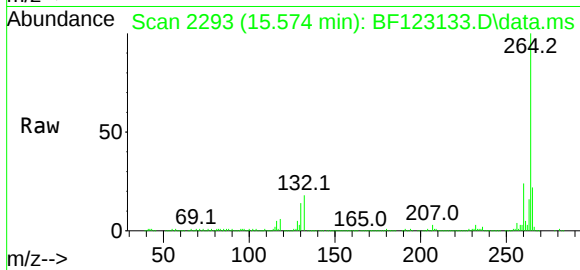
265 21.9 17.0 25.6

Instrument :

BNA_F

ClientSampleId :

SP-1



#88

Benzo(b)fluoranthene

Concen: 3.72 ng

RT: 15.133 min Scan# 2218

Delta R.T. -0.000 min

Lab File: BF123133.D

Acq: 5 Feb 2021 13:55

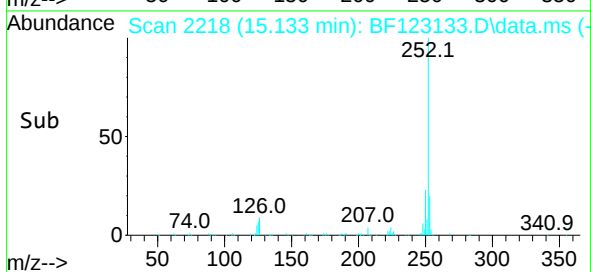
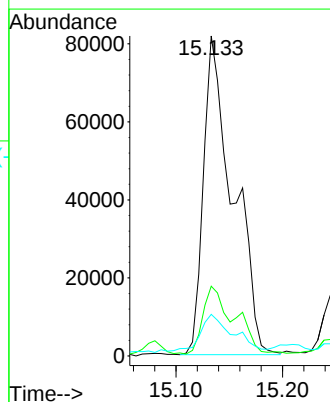
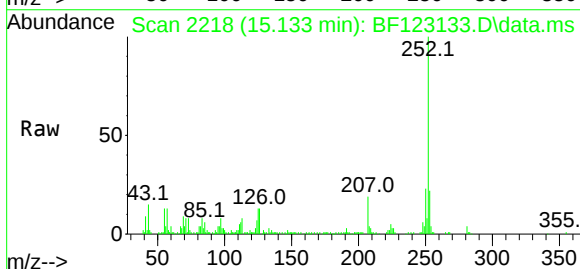
Tgt Ion:252 Resp: 157587

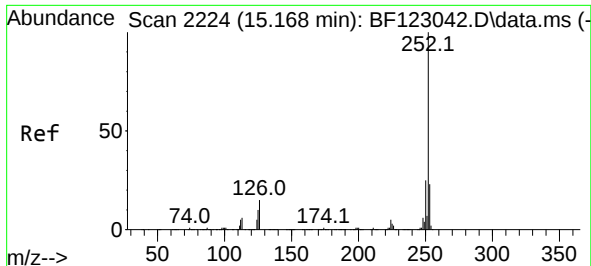
Ion Ratio Lower Upper

252 100

253 21.8 18.3 27.5

125 13.0 8.1 12.1#

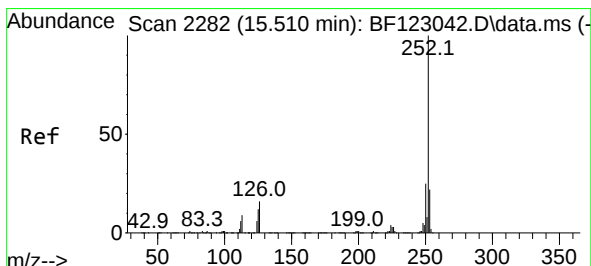
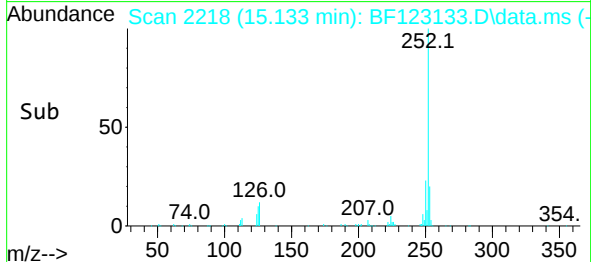
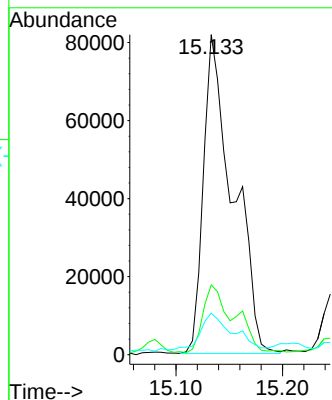
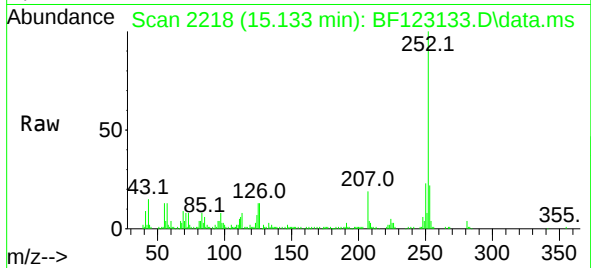




#89
Benzo(k)fluoranthene
Concen: 4.01 ng
RT: 15.133 min Scan# 2218
Delta R.T. -0.035 min
Lab File: BF123133.D
Acq: 5 Feb 2021 13:55

Instrument :
BNA_F
ClientSampled :
SP-1

Tgt Ion:252 Resp: 157587
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.8
125 13.0 8.4 12.6#



#90
Benzo(a)pyrene
Concen: 2.22 ng
RT: 15.510 min Scan# 2282
Delta R.T. -0.000 min
Lab File: BF123133.D
Acq: 5 Feb 2021 13:55

Tgt Ion:252 Resp: 82710
Ion Ratio Lower Upper
252 100
253 21.0 17.5 26.3
125 12.1 8.6 12.8

