

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
 Data File : BF133221.D
 Acq On : 03 May 2023 22:25
 Operator : CG\JU
 Sample : 02585-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-050223

Quant Time: May 04 01:42:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:31:52 2023
 Response via : Initial Calibration

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

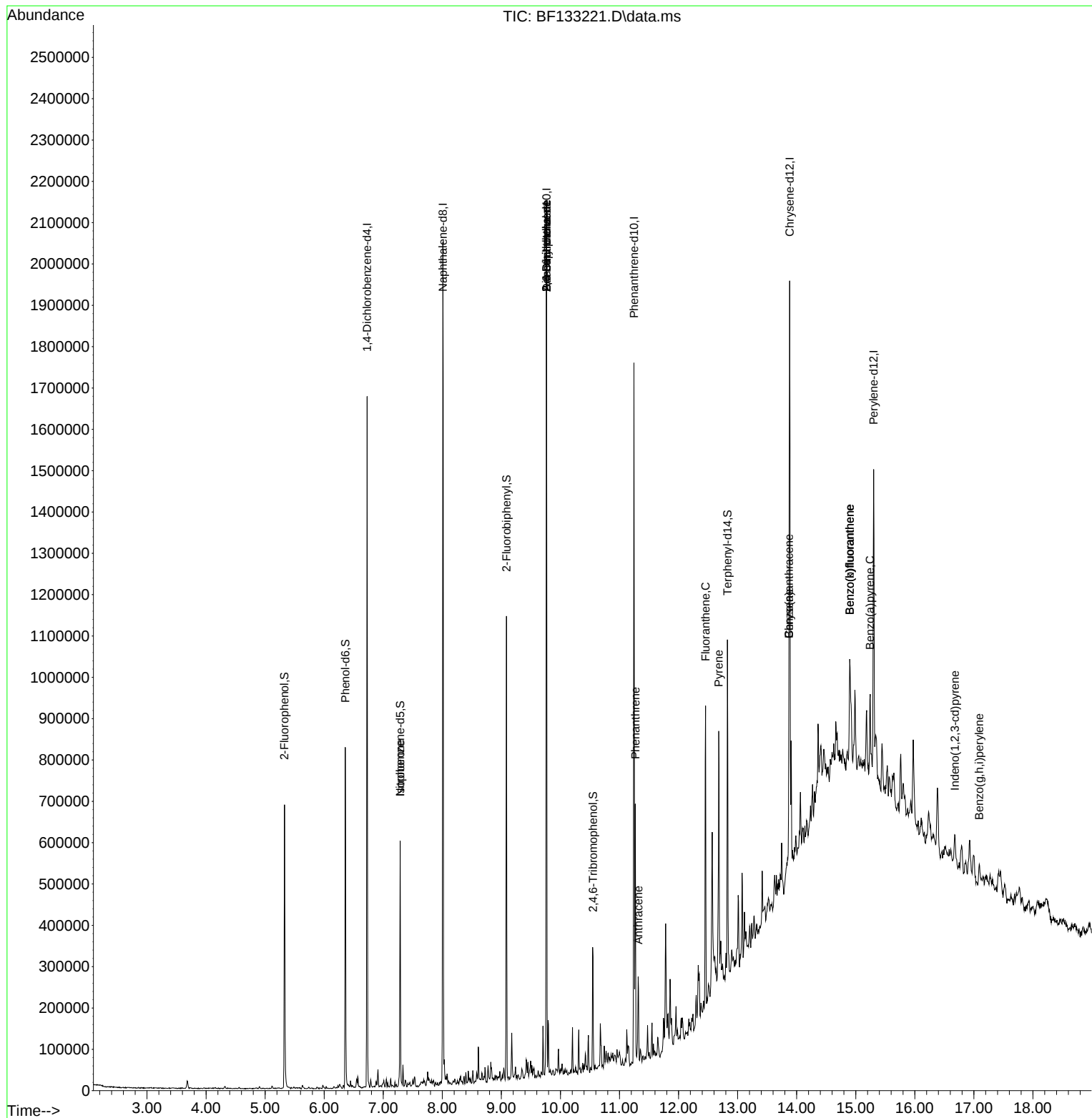
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	205603	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	823226	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	371092	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	551634	20.000	ng	0.00
76) Chrysene-d12	13.880	240	408794	20.000	ng	-0.01
86) Perylene-d12	15.304	264	318183	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	183923	13.513	ng	-0.01
7) Phenol-d6	6.357	99	238690	14.129	ng	-0.02
23) Nitrobenzene-d5	7.287	82	149348	9.792	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	30229	8.100	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	285933	12.891	ng	0.00
79) Terphenyl-d14	12.827	244	249636	10.532	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.275	77	735	Below Cal		90
25) Isophorone	7.287	82	149151	5.151 ng	#	63
50) Dimethylphthalate	9.763	163	73281	2.832 ng	#	1
51) 2,6-Dinitrotoluene	9.763	165	48783	8.376 ng	#	25
57) 2,4-Dinitrotoluene	9.763	165	48783	6.568 ng	#	24
71) Phenanthrene	11.269	178	198214	6.685 ng		98
72) Anthracene	11.322	178	63641	2.097 ng		99
75) Fluoranthene	12.457	202	276790	9.302 ng		97
78) Pyrene	12.680	202	247447	7.061 ng		98
81) Benzo(a)anthracene	13.868	228	127393	4.532 ng		95
83) Chrysene	13.868	228	127393	4.533 ng		96
87) Indeno(1,2,3-cd)pyrene	16.680	276	41026	2.267 ng		94
88) Benzo(b)fluoranthene	14.898	252	163224	8.063 ng	#	84
89) Benzo(k)fluoranthene	14.898	252	163224	8.134 ng	#	85
90) Benzo(a)pyrene	15.245	252	82083	4.455 ng	#	91
92) Benzo(g,h,i)perylene	17.092	276	39965	2.682 ng	#	92

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

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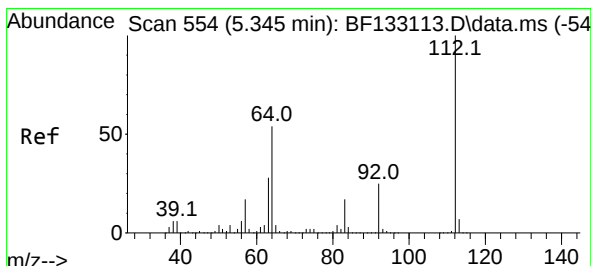
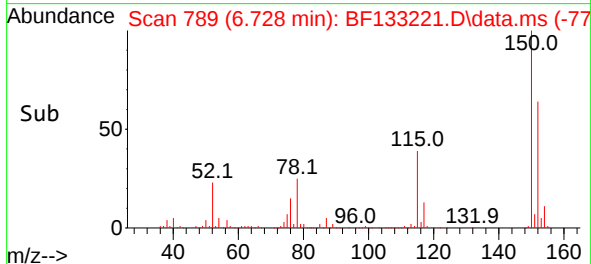
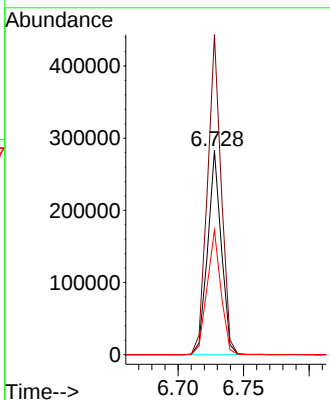
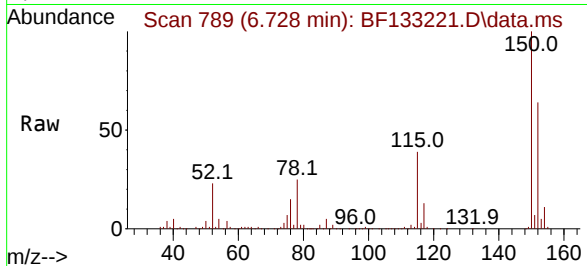




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF133221.D
Acq: 03 May 2023 22:25

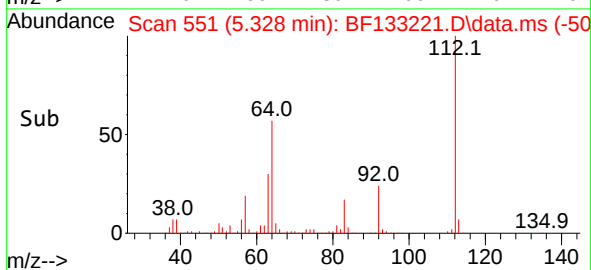
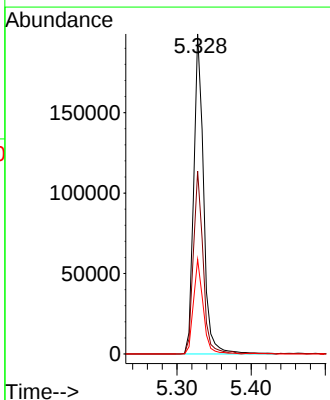
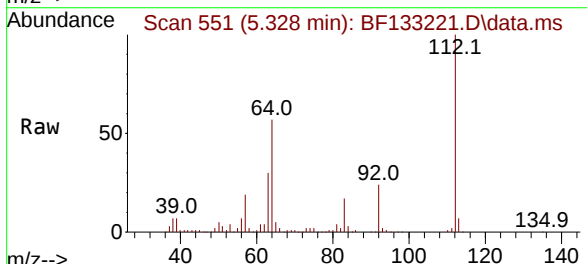
Instrument :
BNA_F
ClientSampleId :
OK-01-050223

Tgt Ion:152 Resp: 205603
Ion Ratio Lower Upper
152 100
150 156.7 124.8 187.2
115 61.0 49.9 74.9



#5
2-Fluorophenol
Concen: 13.513 ng
RT: 5.328 min Scan# 551
Delta R.T. -0.012 min
Lab File: BF133221.D
Acq: 03 May 2023 22:25

Tgt Ion:112 Resp: 183923
Ion Ratio Lower Upper
112 100
64 57.2 46.8 70.2
63 29.5 23.8 35.8

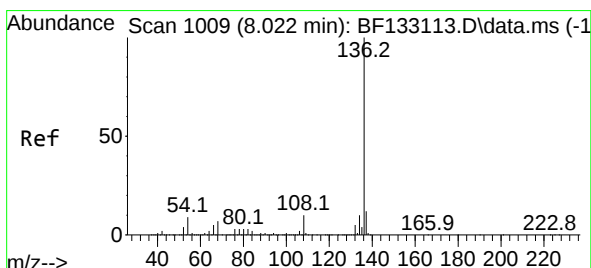
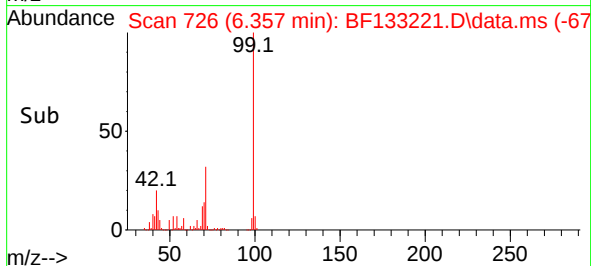
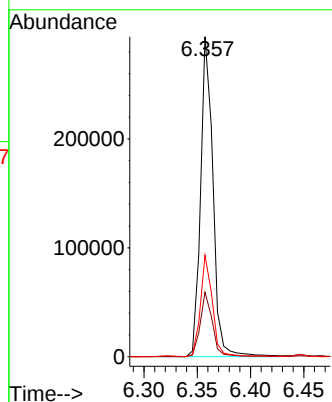
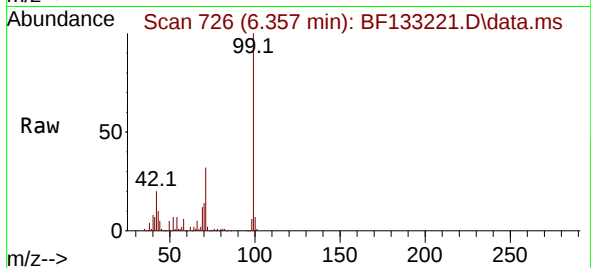




#7
Phenol-d6
Concen: 14.129 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF133221.D
Acq: 03 May 2023 22:25

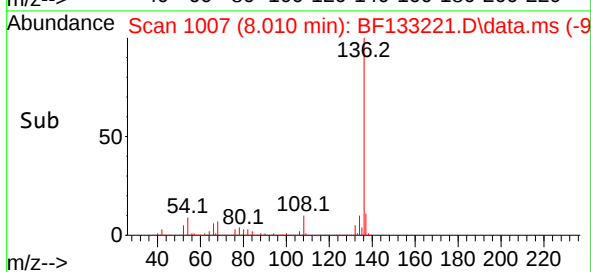
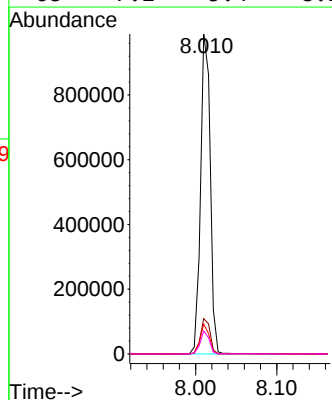
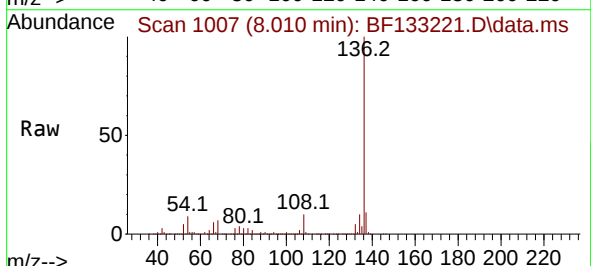
Instrument :
BNA_F
ClientSampleId :
OK-01-050223

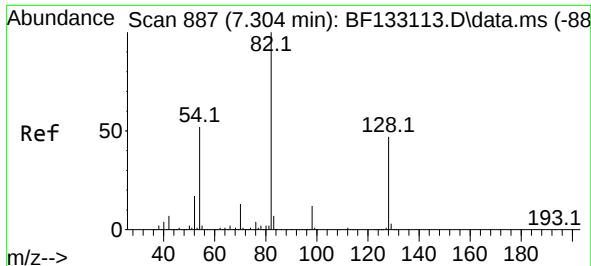
Tgt Ion: 99 Resp: 238690
Ion Ratio Lower Upper
99 100
42 20.2 16.3 24.5
71 31.7 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133221.D
Acq: 03 May 2023 22:25

Tgt Ion: 136 Resp: 823226
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.4 7.0 10.4
68 7.2 5.4 8.2





#23

Nitrobenzene-d5

Concen: 9.792 ng

RT: 7.287 min Scan# 884

Delta R.T. -0.012 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-01-050223

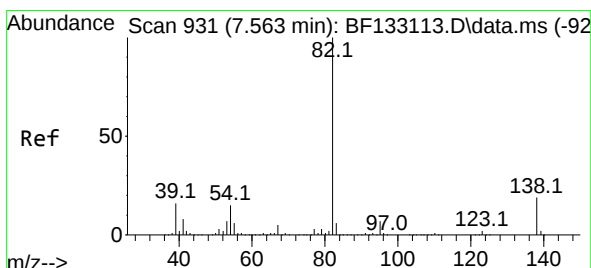
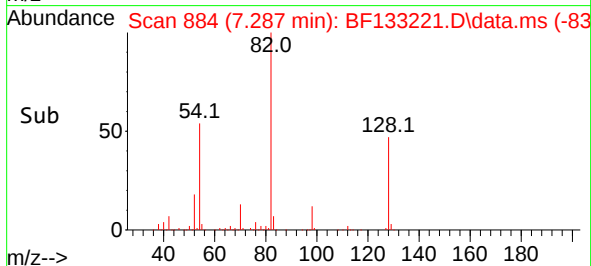
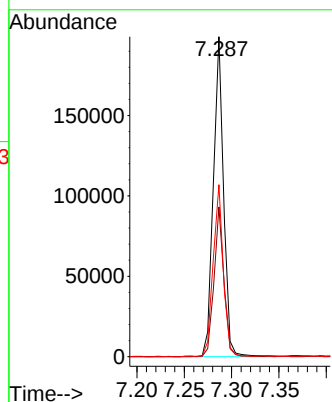
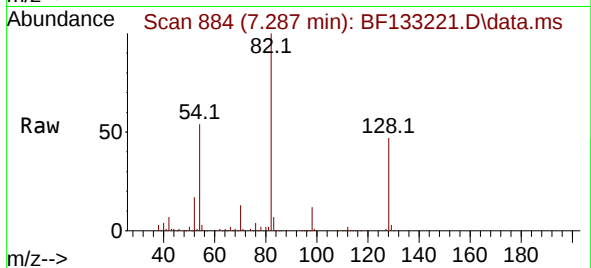
Tgt Ion: 82 Resp: 149348

Ion Ratio Lower Upper

82 100

128 46.8 37.7 56.5

54 53.7 43.0 64.4



#25

Isophorone

Concen: 5.151 ng

RT: 7.287 min Scan# 884

Delta R.T. -0.271 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

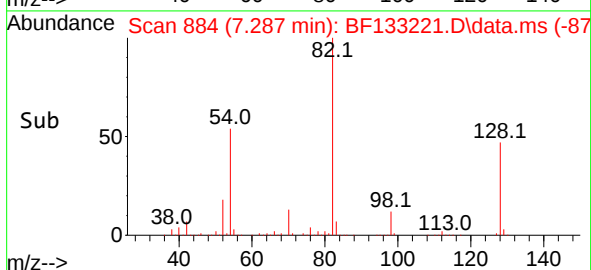
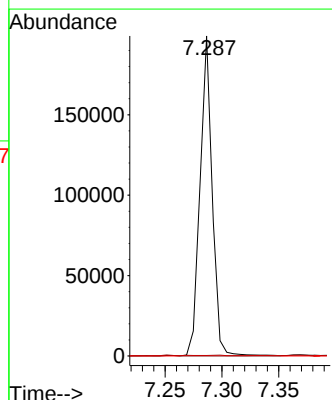
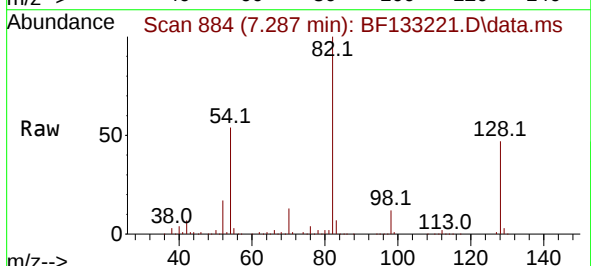
Tgt Ion: 82 Resp: 149151

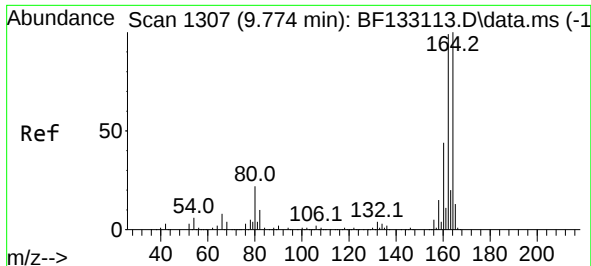
Ion Ratio Lower Upper

82 100

95 0.2 5.4 8.0#

138 0.0 16.0 24.0#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.763 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-01-050223

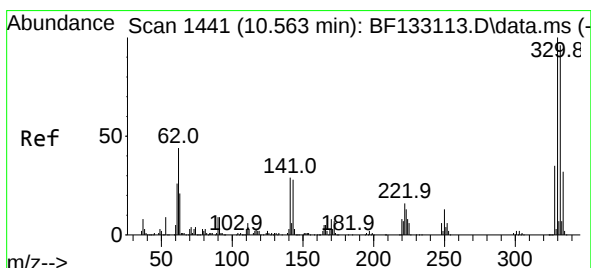
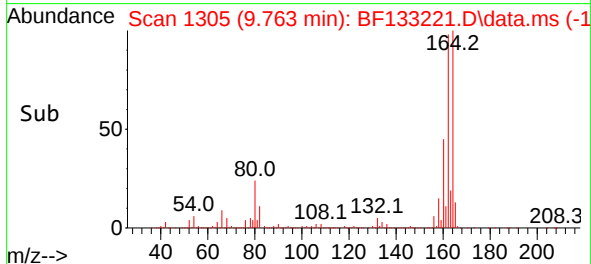
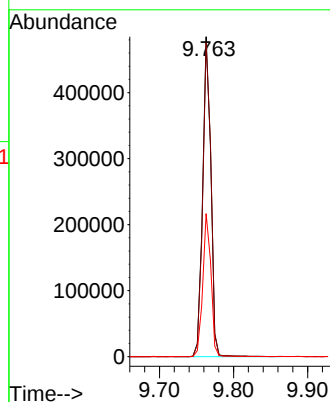
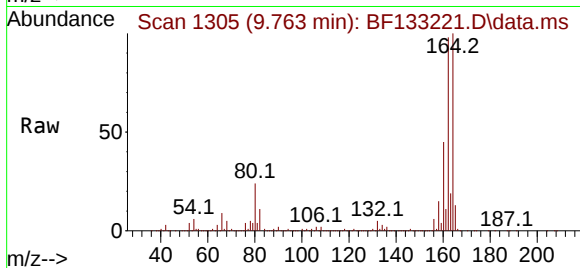
Tgt Ion:164 Resp: 371092

Ion Ratio Lower Upper

164 100

162 98.1 78.7 118.1

160 44.7 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 8.100 ng

RT: 10.551 min Scan# 1439

Delta R.T. -0.006 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

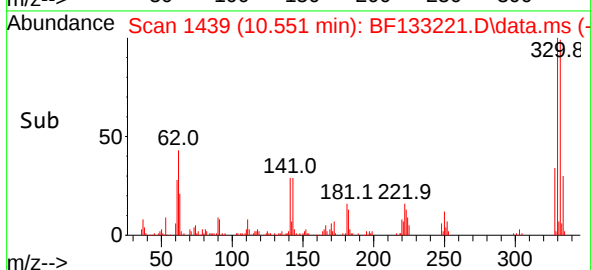
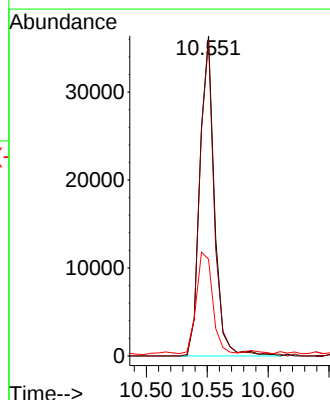
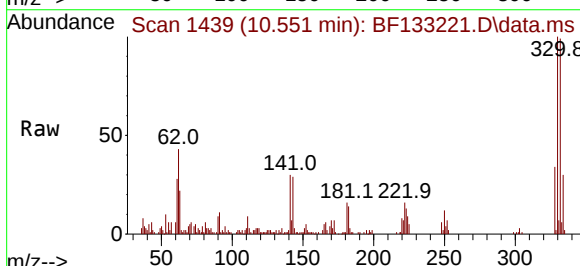
Tgt Ion:330 Resp: 30229

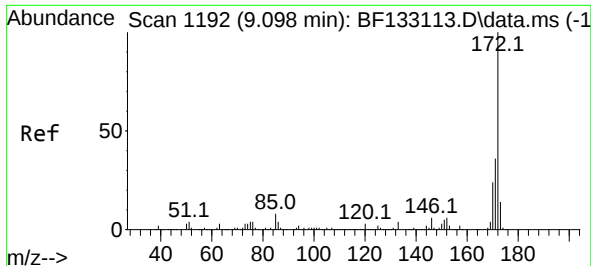
Ion Ratio Lower Upper

330 100

332 98.3 77.1 115.7

141 35.4 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 12.891 ng

RT: 9.086 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-01-050223

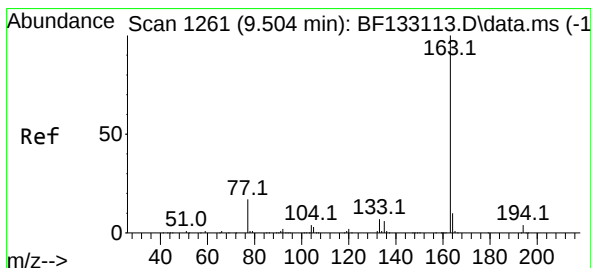
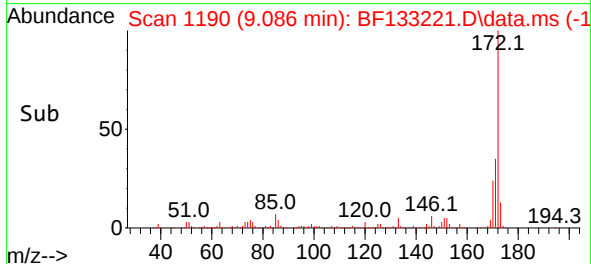
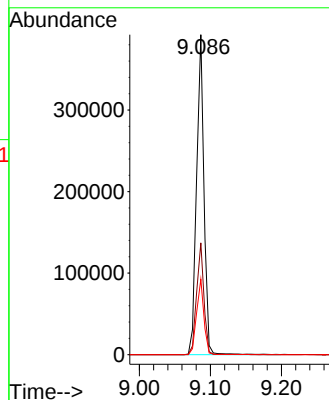
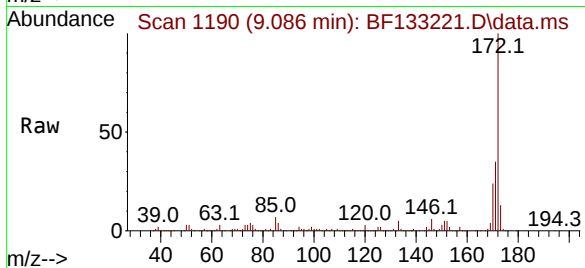
Tgt Ion:172 Resp: 285933

Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 23.6 19.4 29.2



#50

Dimethylphthalate

Concen: 2.832 ng

RT: 9.763 min Scan# 1305

Delta R.T. 0.264 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

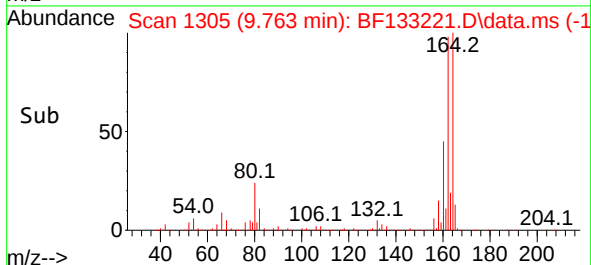
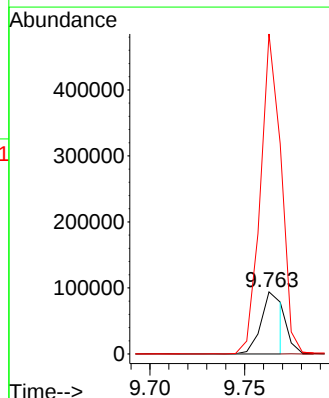
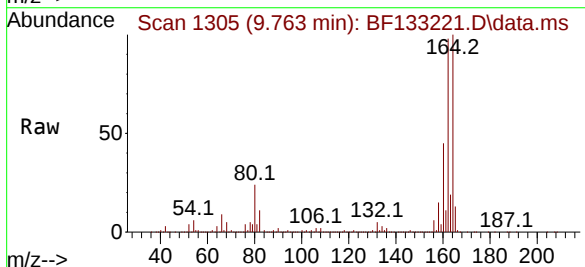
Tgt Ion:163 Resp: 73281

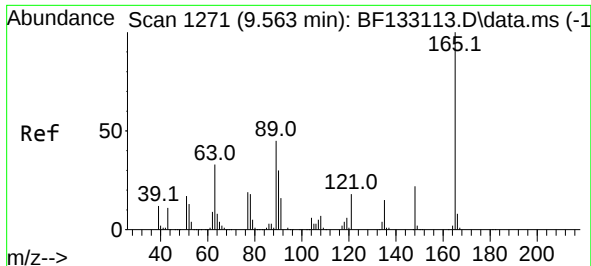
Ion Ratio Lower Upper

163 100

194 0.0 3.1 4.7#

164 515.0 8.5 12.7#

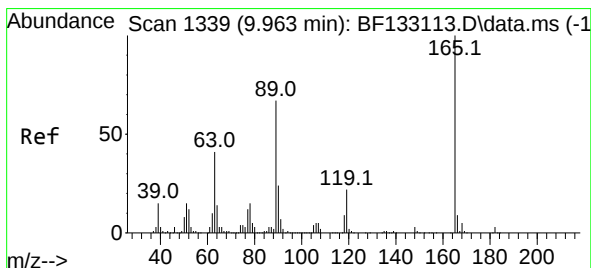
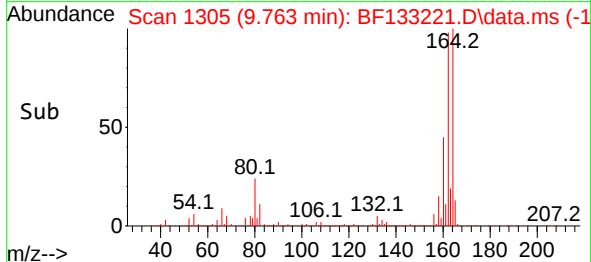
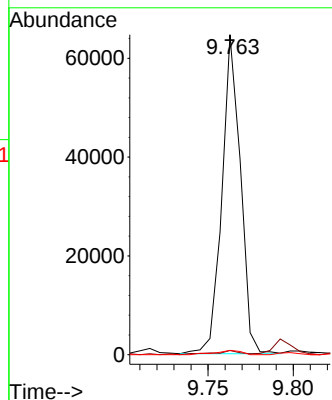
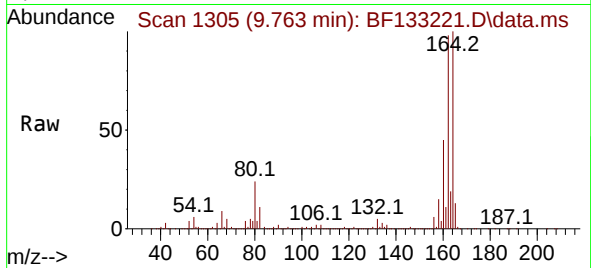




#51
2,6-Dinitrotoluene
Concen: 8.376 ng
RT: 9.763 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133221.D
Acq: 03 May 2023 22:25

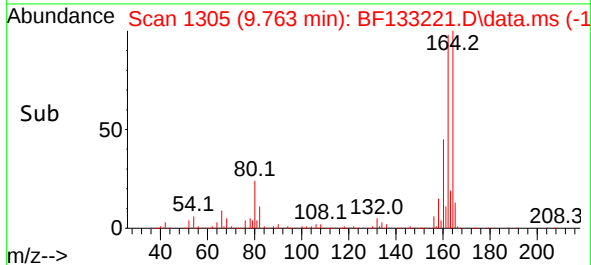
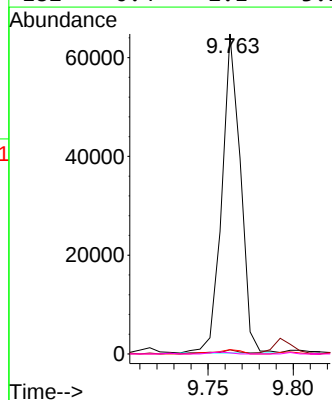
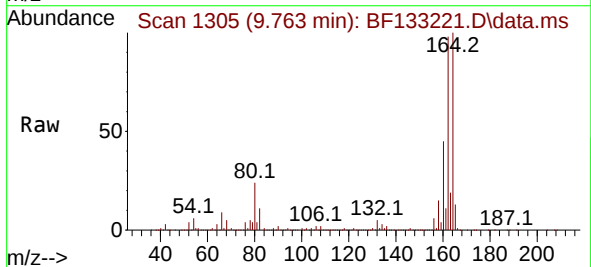
Instrument :
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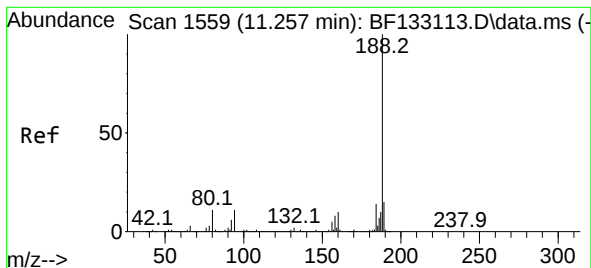
Tgt Ion:165 Resp: 48783
Ion Ratio Lower Upper
165 100
63 1.3 45.9 68.9#
89 1.4 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.568 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.194 min
Lab File: BF133221.D
Acq: 03 May 2023 22:25

Tgt Ion:165 Resp: 48783
Ion Ratio Lower Upper
165 100
63 1.3 37.7 56.5#
89 1.4 57.0 85.4#
182 0.4 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.245 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-01-050223

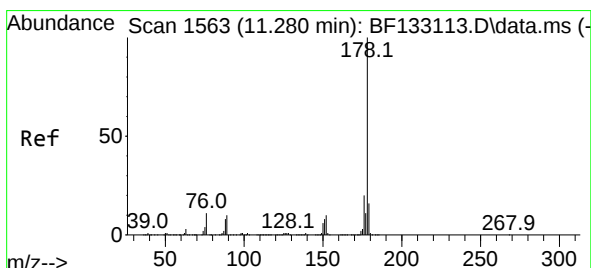
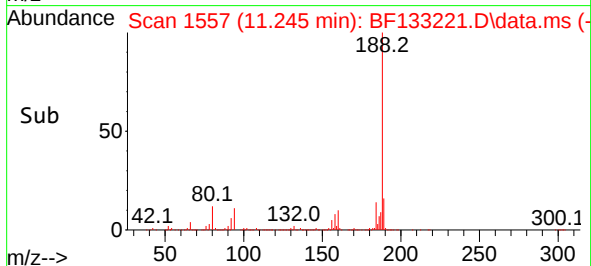
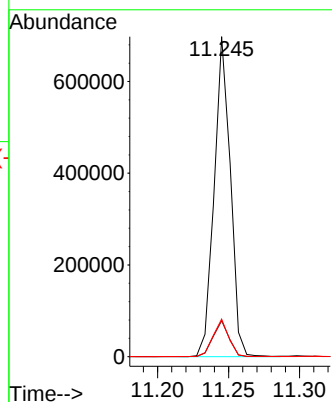
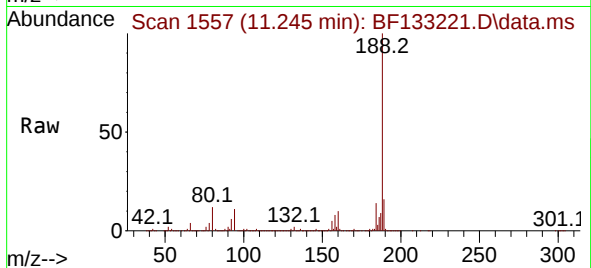
Tgt Ion:188 Resp: 551634

Ion Ratio Lower Upper

188 100

94 11.2 9.7 14.5

80 11.7 10.4 15.6



#71

Phenanthrene

Concen: 6.685 ng

RT: 11.269 min Scan# 1561

Delta R.T. -0.006 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

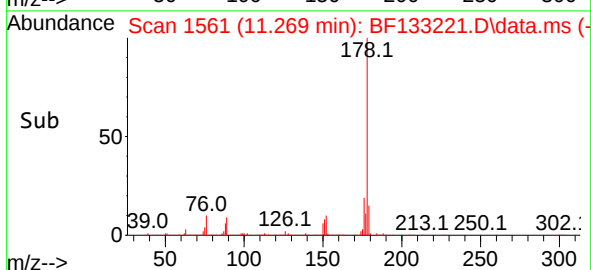
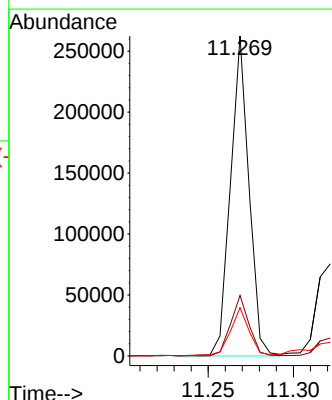
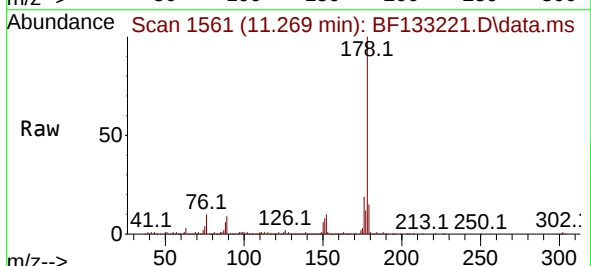
Tgt Ion:178 Resp: 198214

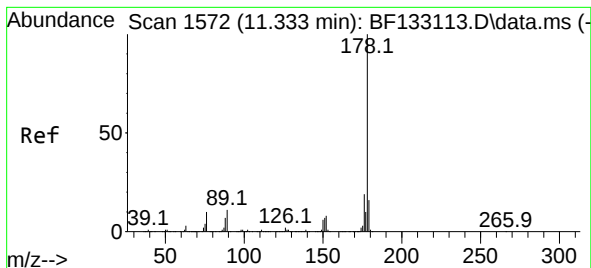
Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

179 15.1 12.5 18.7





#72

Anthracene

Concen: 2.097 ng

RT: 11.322 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-01-050223

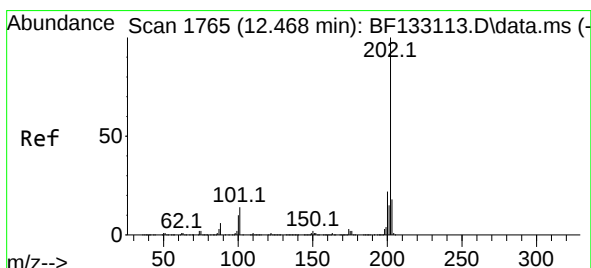
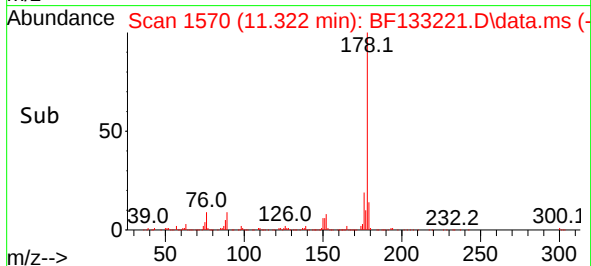
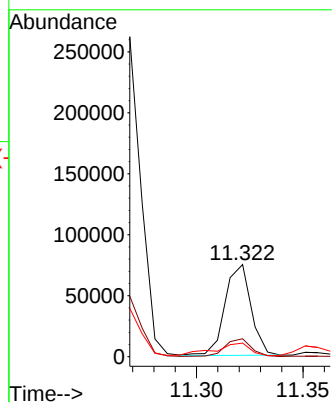
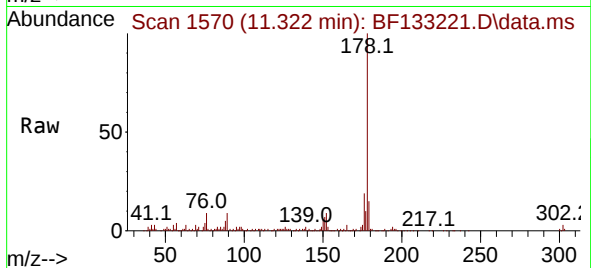
Tgt Ion:178 Resp: 63641

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.0

179 14.8 12.4 18.6



#75

Fluoranthene

Concen: 9.302 ng

RT: 12.457 min Scan# 1763

Delta R.T. -0.006 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

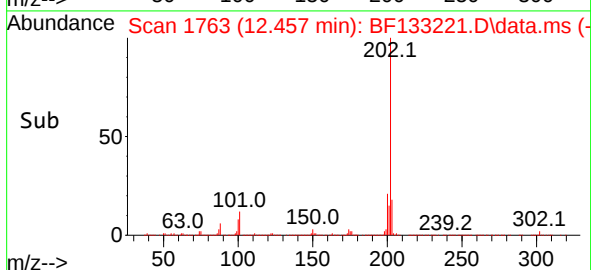
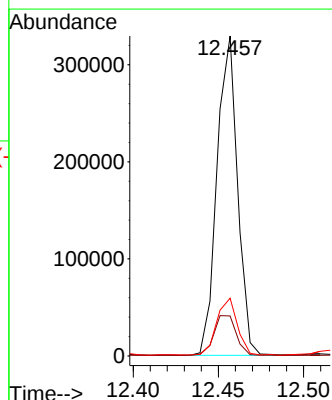
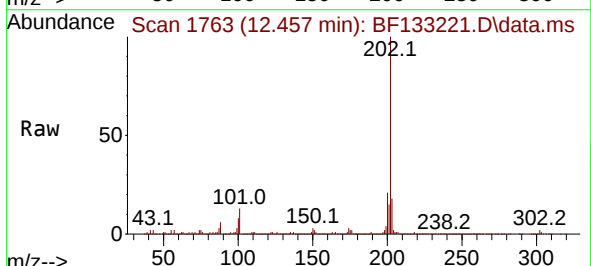
Tgt Ion:202 Resp: 276790

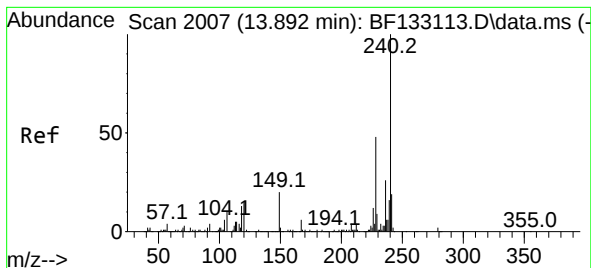
Ion Ratio Lower Upper

202 100

101 12.5 0.0 35.3

203 18.0 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-01-050223

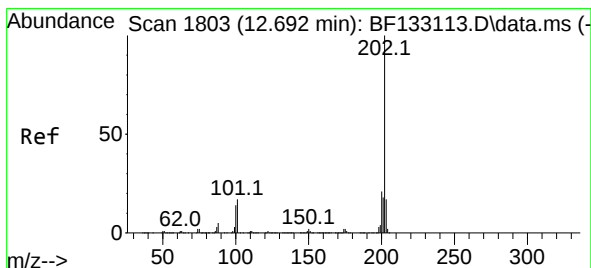
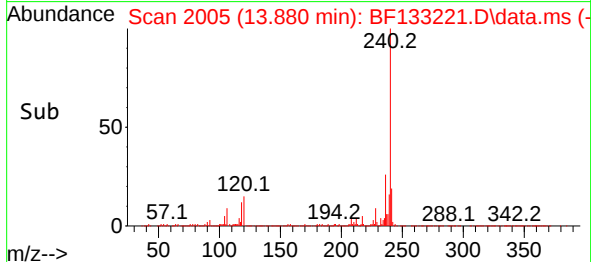
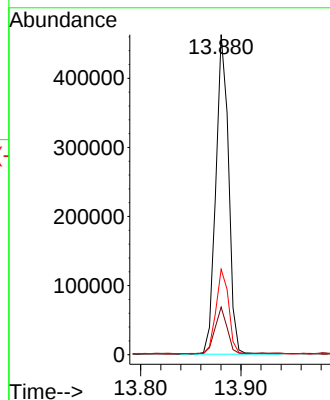
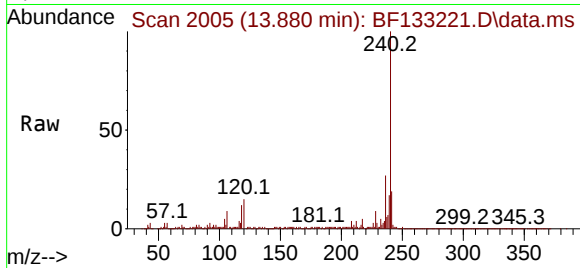
Tgt Ion:240 Resp: 408794

Ion Ratio Lower Upper

240 100

120 14.9 10.5 15.7

236 26.7 21.5 32.3



#78

Pyrene

Concen: 7.061 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.012 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

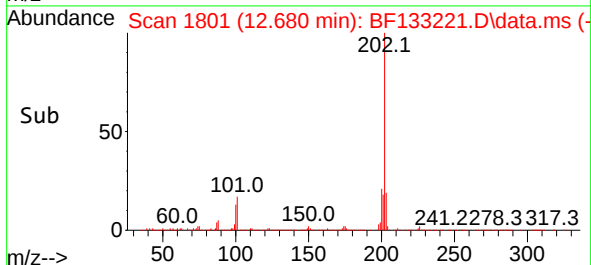
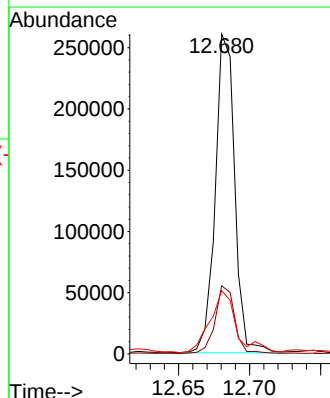
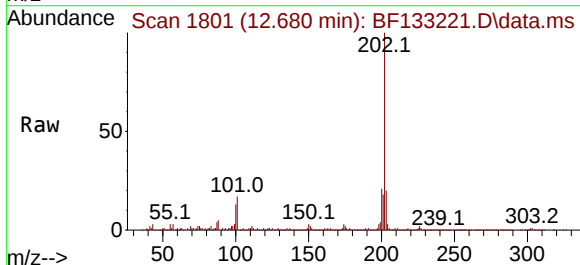
Tgt Ion:202 Resp: 247447

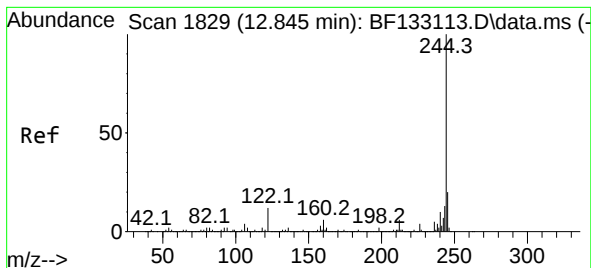
Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

203 19.8 14.1 21.1





#79

Terphenyl-d14

Concen: 10.532 ng

RT: 12.827 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-01-050223

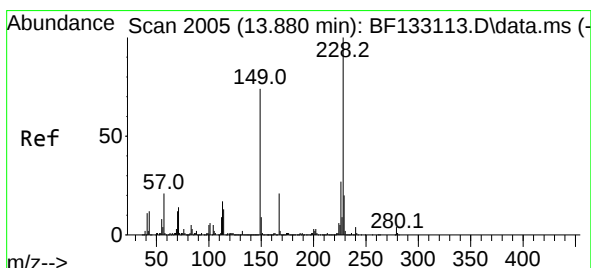
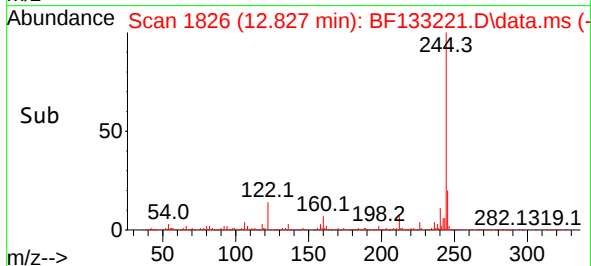
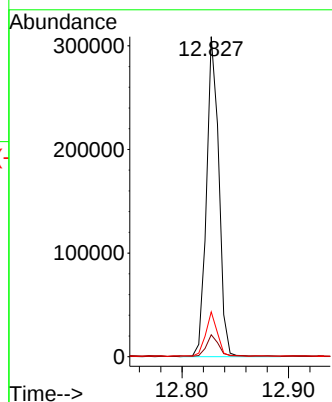
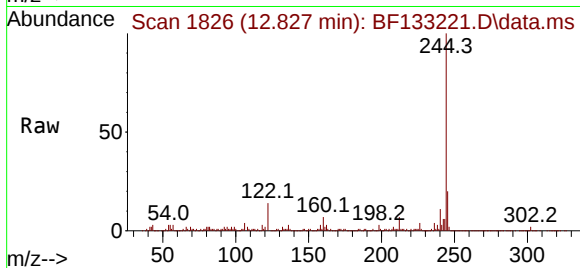
Tgt Ion:244 Resp: 249636

Ion Ratio Lower Upper

244 100

212 6.8 5.1 7.7

122 14.0 8.6 13.0#



#81

Benzo(a)anthracene

Concen: 4.532 ng

RT: 13.868 min Scan# 2003

Delta R.T. -0.012 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

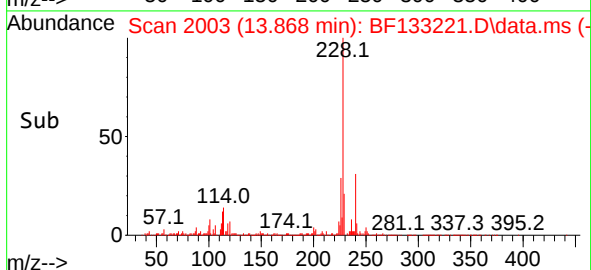
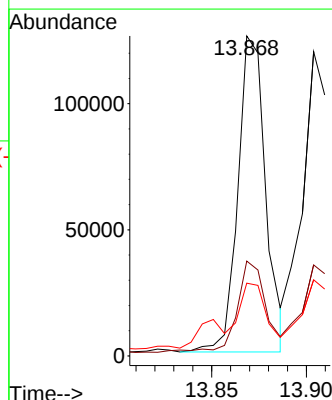
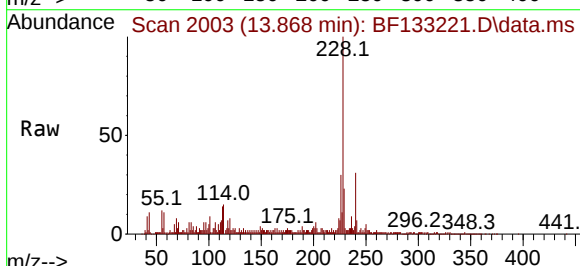
Tgt Ion:228 Resp: 127393

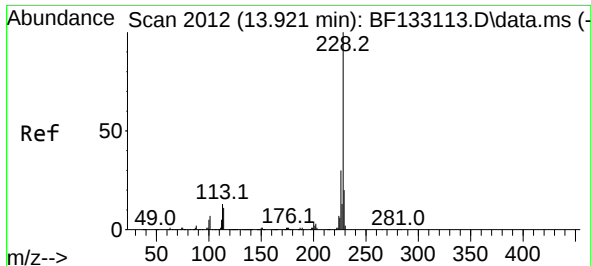
Ion Ratio Lower Upper

228 100

226 29.7 22.2 33.4

229 22.8 16.0 24.0

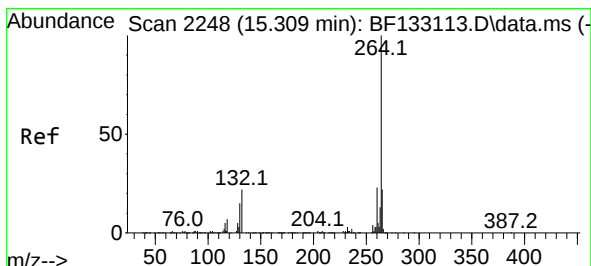
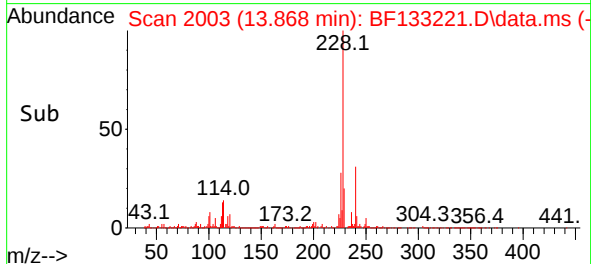
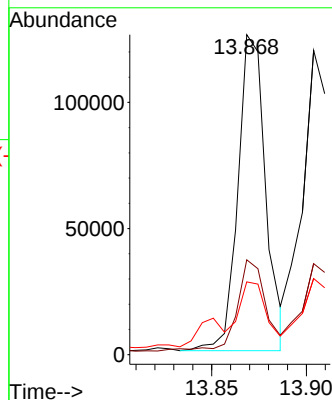
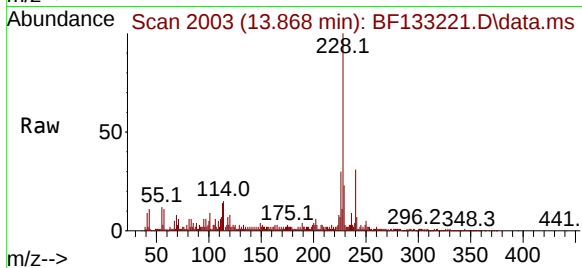




#83
Chrysene
Concen: 4.533 ng
RT: 13.868 min Scan# 2012
Delta R.T. -0.047 min
Lab File: BF133221.D
Acq: 03 May 2023 22:25

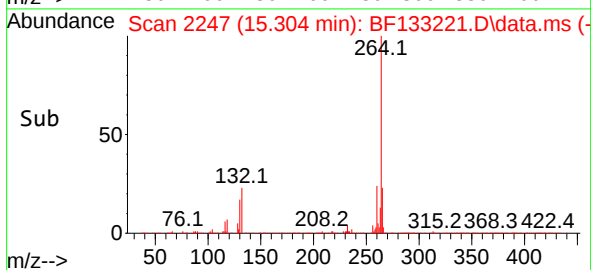
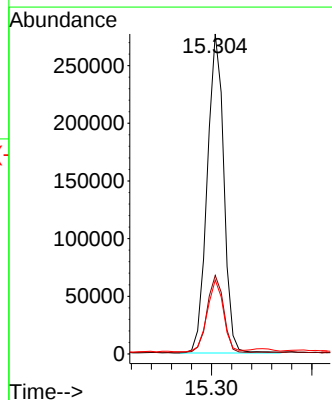
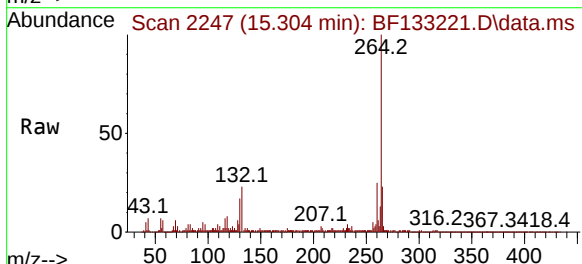
Instrument :
BNA_F
ClientSampleId :
OK-01-050223

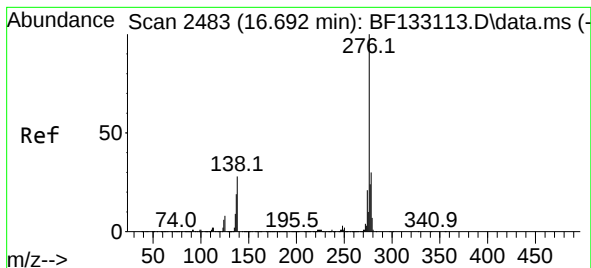
Tgt Ion:228 Resp: 127393
Ion Ratio Lower Upper
228 100
226 29.7 24.7 37.1
229 22.8 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.304 min Scan# 2247
Delta R.T. -0.000 min
Lab File: BF133221.D
Acq: 03 May 2023 22:25

Tgt Ion:264 Resp: 318183
Ion Ratio Lower Upper
264 100
260 24.5 18.8 28.2
265 23.1 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.267 ng

RT: 16.680 min Scan# 2481

Delta R.T. -0.012 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-01-050223

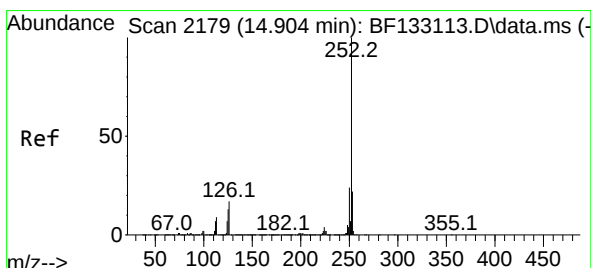
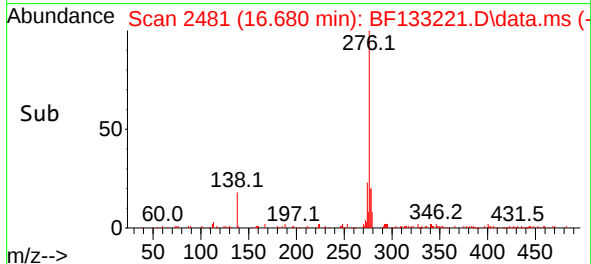
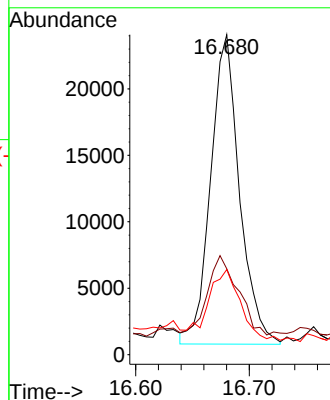
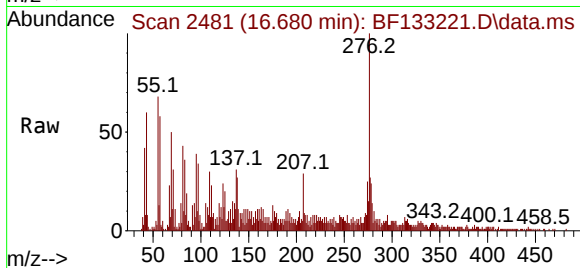
Tgt Ion:276 Resp: 41026

Ion Ratio Lower Upper

276 100

138 26.9 25.5 38.3

277 24.9 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 8.063 ng

RT: 14.898 min Scan# 2178

Delta R.T. -0.006 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

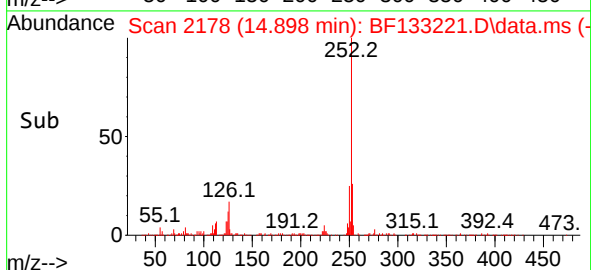
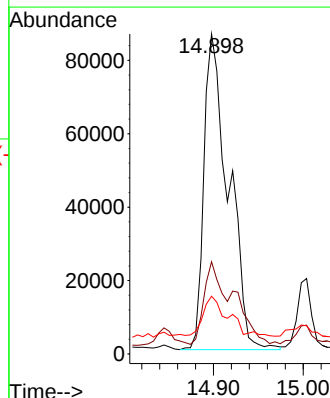
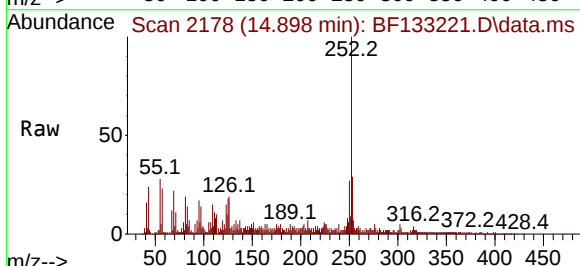
Tgt Ion:252 Resp: 163224

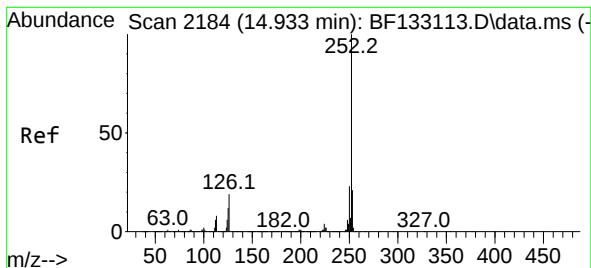
Ion Ratio Lower Upper

252 100

253 28.8 17.6 26.4#

125 18.1 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 8.134 ng

RT: 14.898 min Scan# 2184

Delta R.T. -0.036 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-01-050223

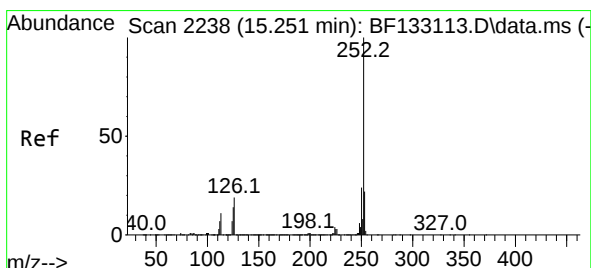
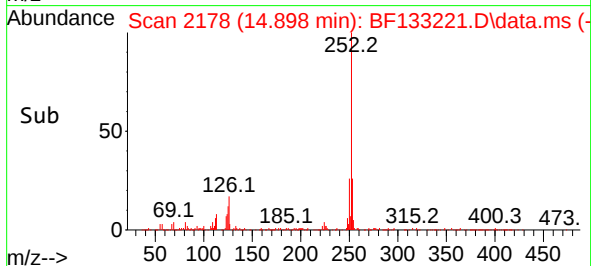
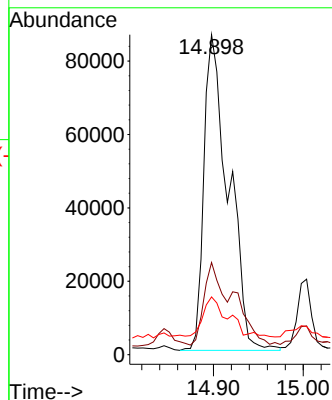
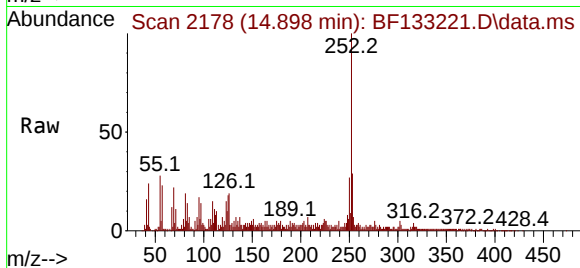
Tgt Ion:252 Resp: 163224

Ion Ratio Lower Upper

252 100

253 28.8 17.7 26.5#

125 18.1 9.0 13.4#



#90

Benzo(a)pyrene

Concen: 4.455 ng

RT: 15.245 min Scan# 2237

Delta R.T. -0.006 min

Lab File: BF133221.D

Acq: 03 May 2023 22:25

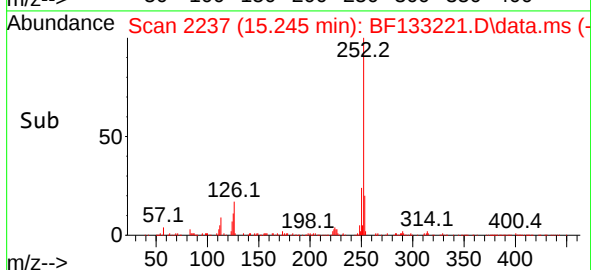
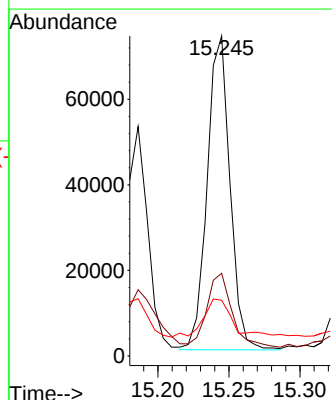
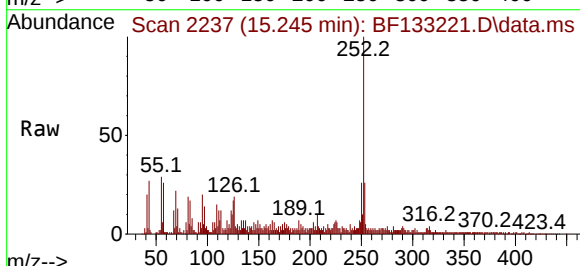
Tgt Ion:252 Resp: 82083

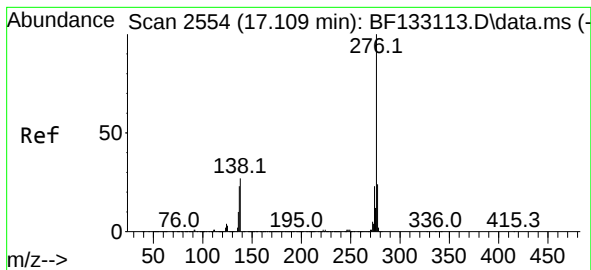
Ion Ratio Lower Upper

252 100

253 25.8 17.7 26.5

125 17.4 10.5 15.7#





#92

Benzo(g,h,i)perylene

Concen: 2.682 ng

RT: 17.092 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133221.D

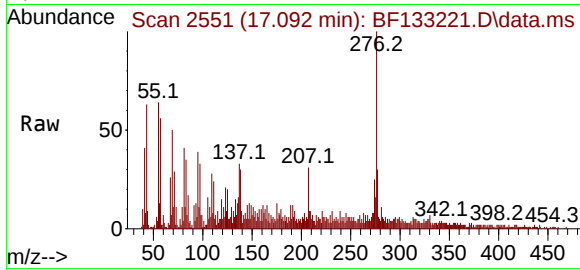
Acq: 03 May 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-01-050223



Tgt Ion: 276 Resp: 39965

Ion Ratio Lower Upper

276 100

277 30.3 19.4 29.0#

138 30.5 22.7 34.1

