

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022222\
 Data File : BF127027.D
 Acq On : 23 Feb 2022 00:07
 Operator : CG\JU
 Sample : N1626-06
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CC-B3

Quant Time: Feb 23 01:27:24 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 21 13:16:57 2022
 Response via : Initial Calibration

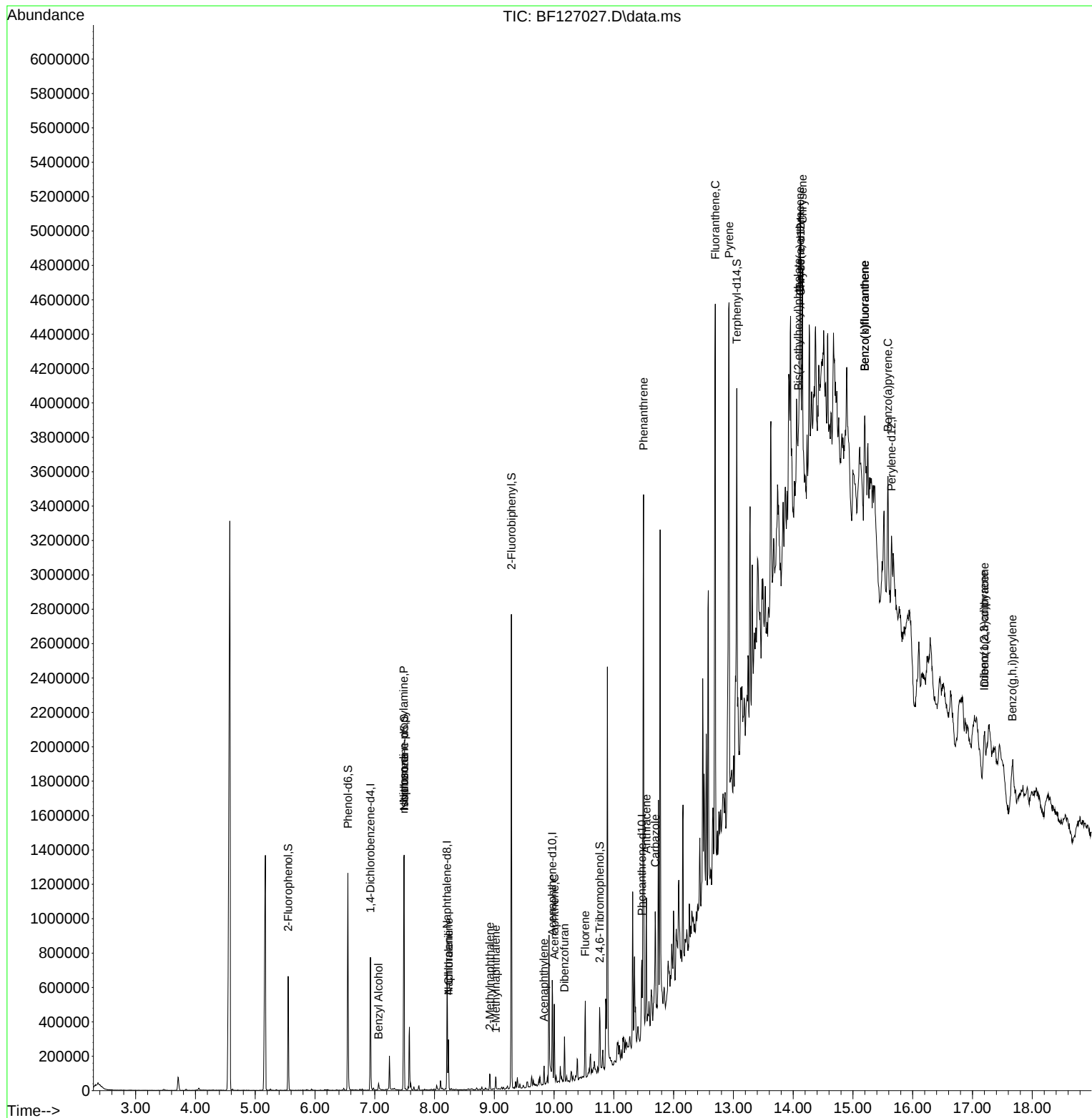
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	70198	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	251871	20.000	ng	# 0.00
39) Acenaphthene-d10	9.969	164	105595	20.000	ng	0.00
64) Phenanthrene-d10	11.469	188	157847	20.000	ng	# 0.02
76) Chrysene-d12	14.127	240	109355	20.000	ng	0.03
86) Perylene-d12	15.645	264	80754	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	140361	30.904	ng	0.01
7) Phenol-d6	6.551	99	331547	54.098	ng	0.00
23) Nitrobenzene-d5	7.492	82	461214	82.653	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	29915	24.606	ng	0.01
45) 2-Fluorobiphenyl	9.286	172	654786	91.287	ng	0.00
79) Terphenyl-d14	13.057	244	608661	81.821	ng	0.02
Target Compounds						
						Qvalue
15) Benzyl Alcohol	7.063	79	10510	2.036	ng	# 89
19) n-Nitroso-di-n-propyla...	7.487	70	65045	16.471	ng	# 81
25) Isophorone	7.492	82	460126	49.832	ng	# 69
31) Naphthalene	8.234	128	98451	7.488	ng	99
33) 4-Chloroaniline	8.234	127	12450	2.406	ng	# 31
37) 2-Methylnaphthalene	8.928	142	22177	2.599	ng	94
38) 1-Methylnaphthalene	9.028	142	17425	2.133	ng	93
49) Acenaphthylene	9.833	152	37918	3.763	ng	96
52) Acenaphthene	10.004	154	76433	11.662	ng	98
55) Dibenzofuran	10.175	168	71999	7.989	ng	93
58) Fluorene	10.522	166	107217	15.273	ng	98
71) Phenanthrene	11.498	178	1102491	124.787	ng	99
72) Anthracene	11.545	178	273809	31.131	ng	99
73) Carbazole	11.692	167	121506	15.064	ng	97
75) Fluoranthene	12.698	202	1392965	166.049	ng	92
78) Pyrene	12.927	202	1118798	117.761	ng	99
81) Benzo(a)anthracene	14.115	228	511868	69.431	ng	97
83) Chrysene	14.157	228	426299	61.491	ng	97
84) Bis(2-ethylhexyl)phtha...	14.086	149	22688	3.842	ng	# 79
87) Indeno(1,2,3-cd)pyrene	17.198	276	187729	35.453	ng	# 78
88) Benzo(b)fluoranthene	15.198	252	612845	112.993	ng	# 90
89) Benzo(k)fluoranthene	15.198	252	612845	117.149	ng	# 89
90) Benzo(a)pyrene	15.586	252	314650	74.271	ng	# 92
91) Dibenzo(a,h)anthracene	17.204	278	43656	9.969	ng	# 63
92) Benzo(g,h,i)perylene	17.668	276	174661	40.455	ng	# 88

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

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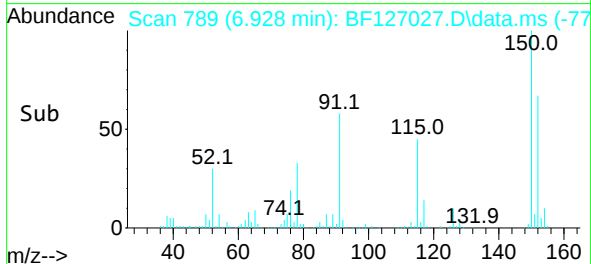
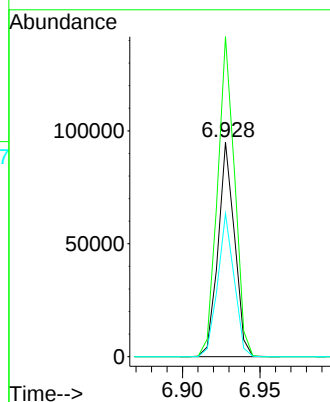
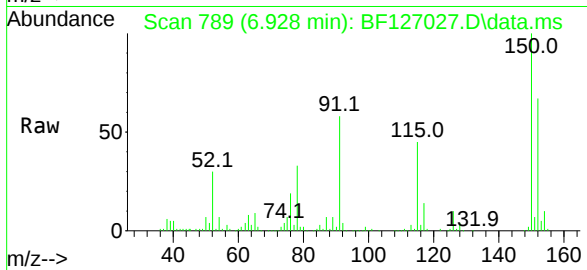




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: BF127027.D
 Acq: 23 Feb 2022 00:07

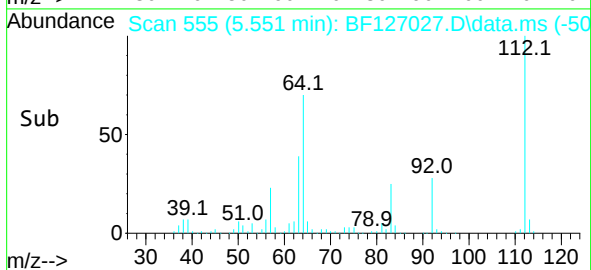
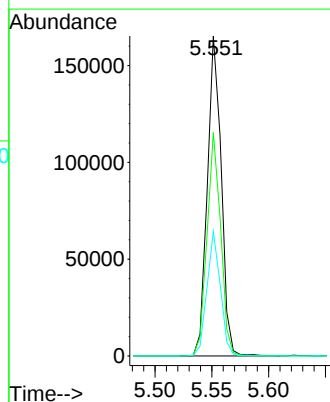
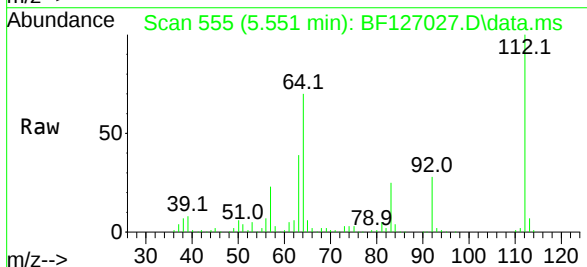
Instrument :
 BNA_F
 ClientSampleId :
 CC-B3

Tgt Ion:152 Resp: 70198
 Ion Ratio Lower Upper
 152 100
 150 149.2 128.1 192.1
 115 66.7 56.7 85.1



#5
 2-Fluorophenol
 Concen: 30.904 ng
 RT: 5.551 min Scan# 555
 Delta R.T. 0.012 min
 Lab File: BF127027.D
 Acq: 23 Feb 2022 00:07

Tgt Ion:112 Resp: 140361
 Ion Ratio Lower Upper
 112 100
 64 69.8 49.5 74.3
 63 38.8 23.9 35.9#

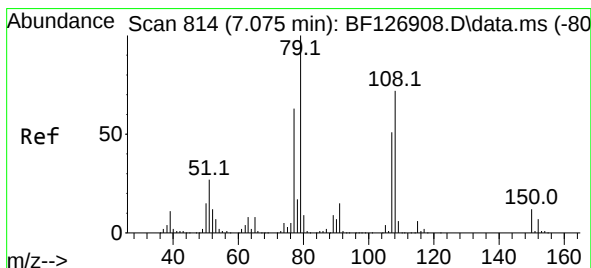
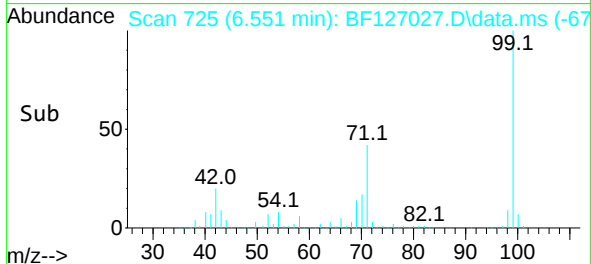
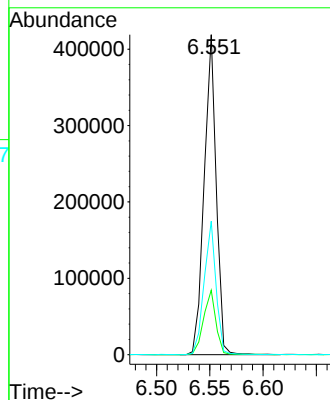
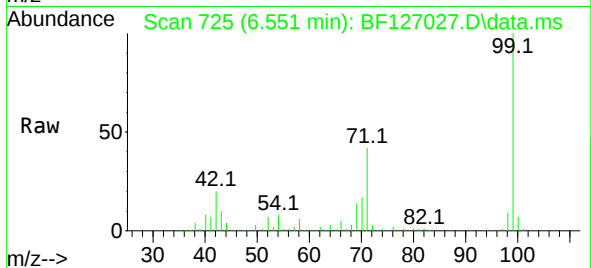




#7
Phenol-d6
Concen: 54.098 ng
RT: 6.551 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF127027.D
Acq: 23 Feb 2022 00:07

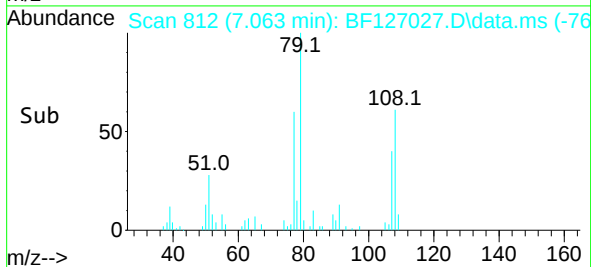
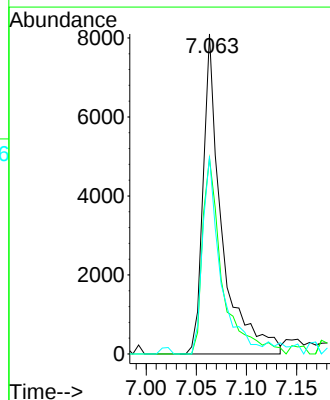
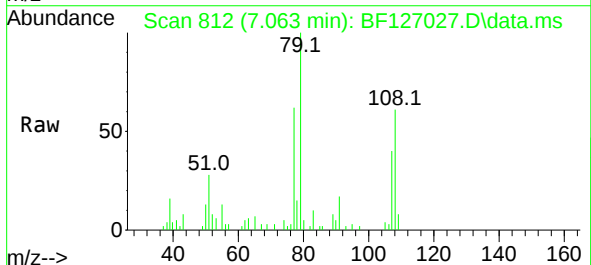
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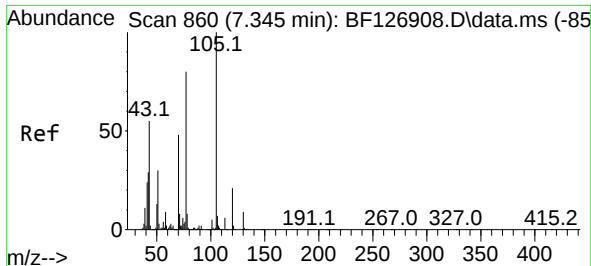
Tgt Ion: 99 Resp: 331547
Ion Ratio Lower Upper
99 100
42 20.1 14.2 21.4
71 41.7 24.3 36.5#



#15
Benzyl Alcohol
Concen: 2.036 ng
RT: 7.063 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF127027.D
Acq: 23 Feb 2022 00:07

Tgt Ion: 79 Resp: 10510
Ion Ratio Lower Upper
79 100
108 61.1 63.2 94.8#
77 61.7 49.4 74.2

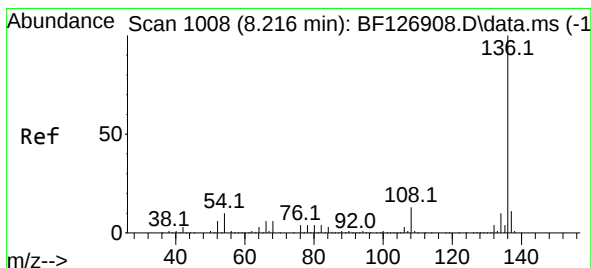
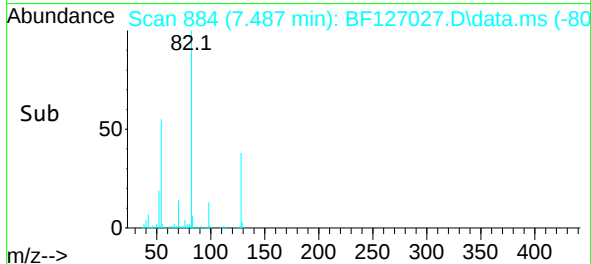
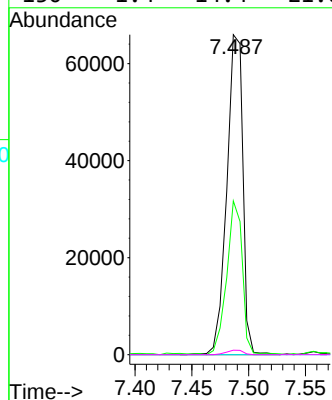
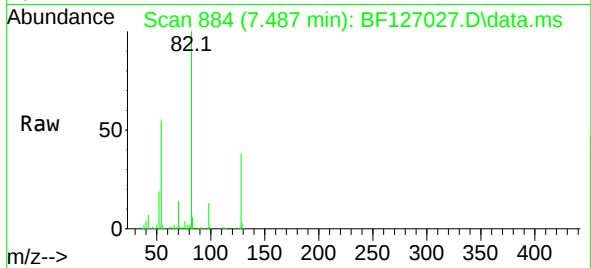




#19
n-Nitroso-di-n-propylamine
Concen: 16.471 ng
RT: 7.487 min Scan# 81
Delta R.T. 0.153 min
Lab File: BF127027.D
Acq: 23 Feb 2022 00:07

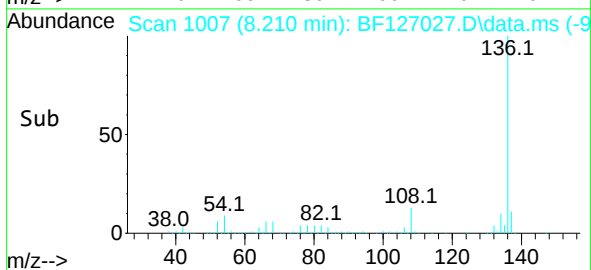
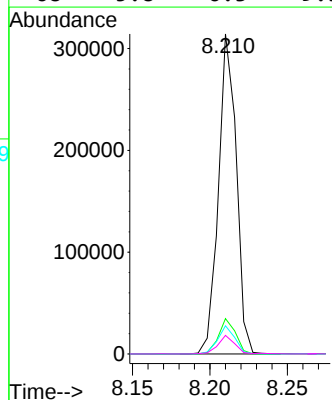
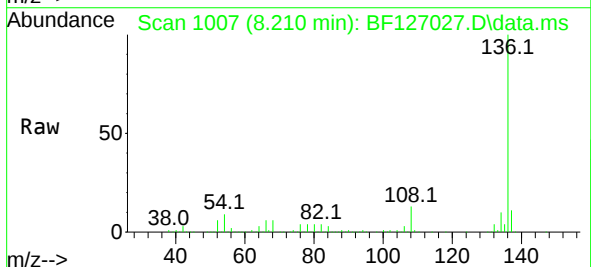
Instrument :
BNA_F
ClientSampleId :
CC-B3

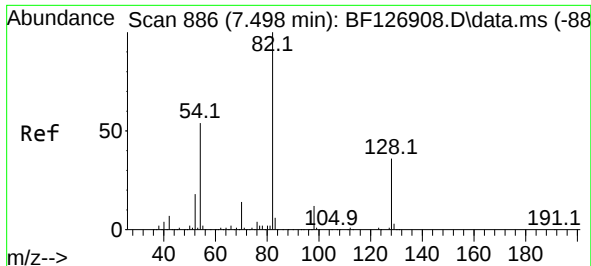
Tgt Ion: 70 Resp: 65045
Ion Ratio Lower Upper
70 100
42 48.0 45.8 68.8
101 0.0 6.9 10.3#
130 1.4 14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1007
Delta R.T. 0.006 min
Lab File: BF127027.D
Acq: 23 Feb 2022 00:07

Tgt Ion: 136 Resp: 251871
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.8 7.8 11.6
68 5.8 6.3 9.5#

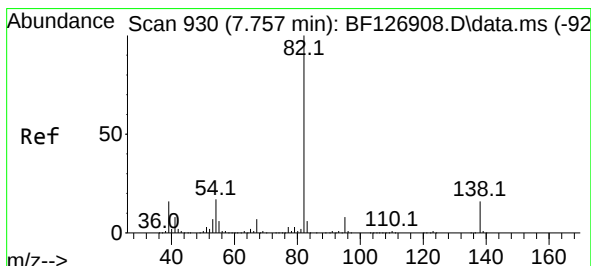
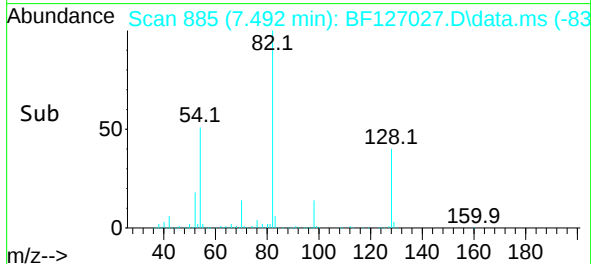
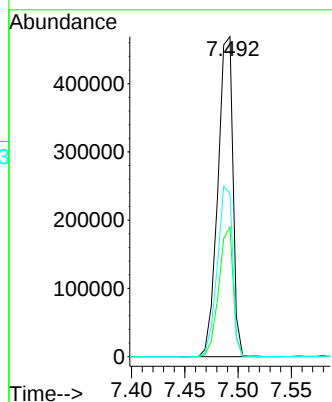
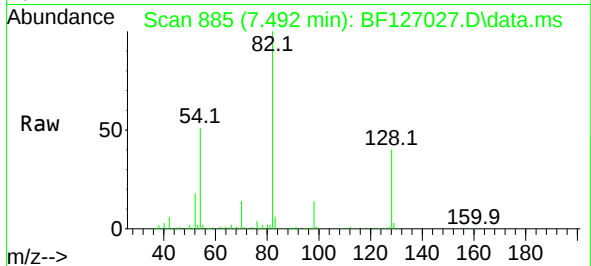




#23
Nitrobenzene-d5
Concen: 82.653 ng
RT: 7.492 min Scan# 885
Delta R.T. -0.000 min
Lab File: BF127027.D
Acq: 23 Feb 2022 00:07

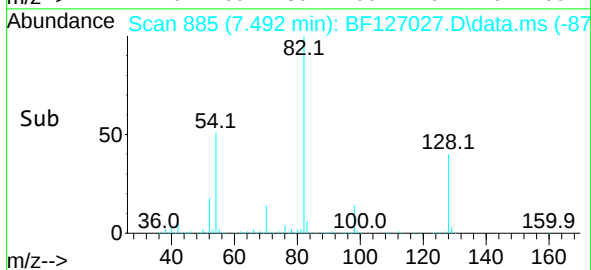
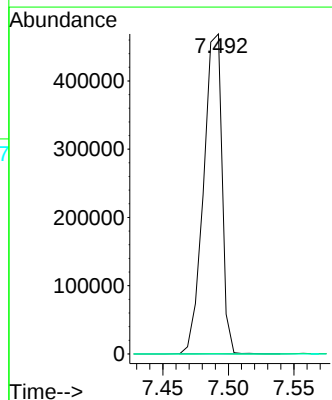
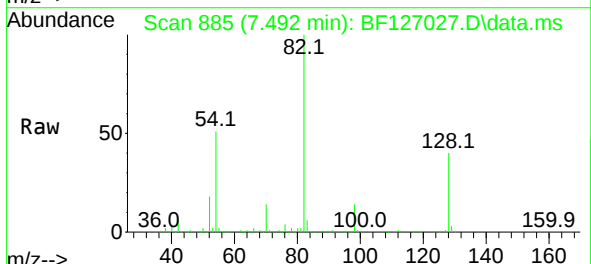
Instrument :
BNA_F
ClientSampleId :
CC-B3

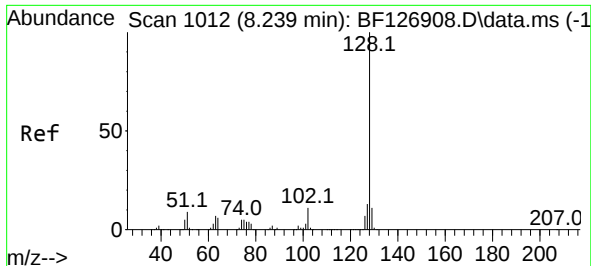
Tgt Ion: 82 Resp: 461214
Ion Ratio Lower Upper
82 100
128 40.4 32.7 49.1
54 51.1 41.7 62.5



#25
Isophorone
Concen: 49.832 ng
RT: 7.492 min Scan# 885
Delta R.T. -0.253 min
Lab File: BF127027.D
Acq: 23 Feb 2022 00:07

Tgt Ion: 82 Resp: 460126
Ion Ratio Lower Upper
82 100
95 0.1 5.0 7.4#
138 0.0 12.3 18.5#

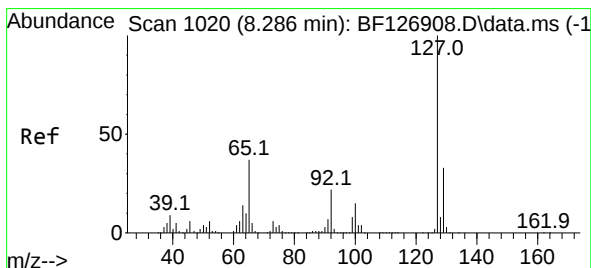
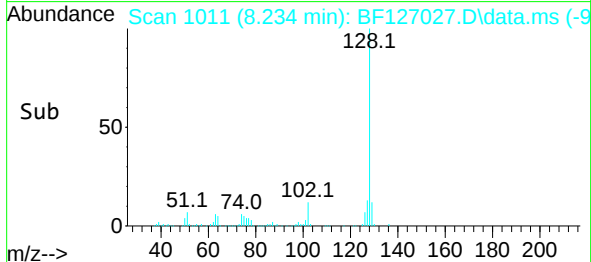
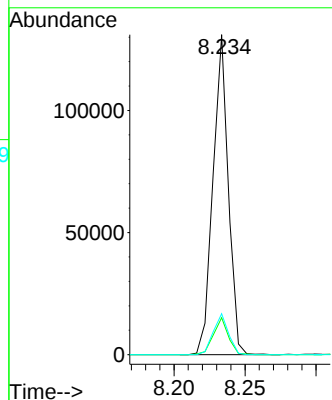
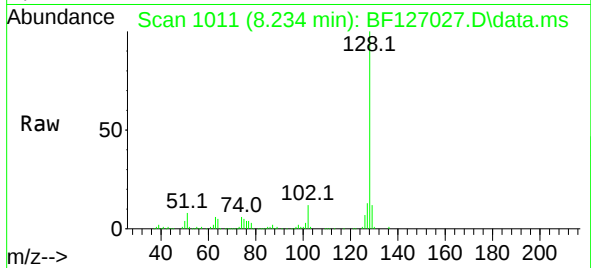




#31
Naphthalene
Concen: 7.488 ng
RT: 8.234 min Scan# 1011
Delta R.T. 0.006 min
Lab File: BF127027.D
Acq: 23 Feb 2022 00:07

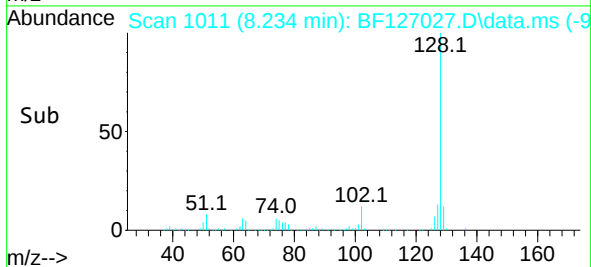
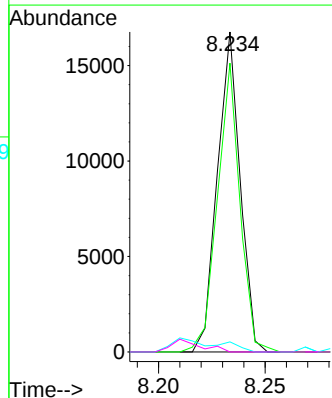
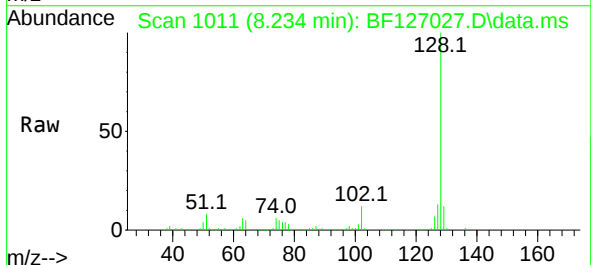
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ClientSampleId :
CC-B3

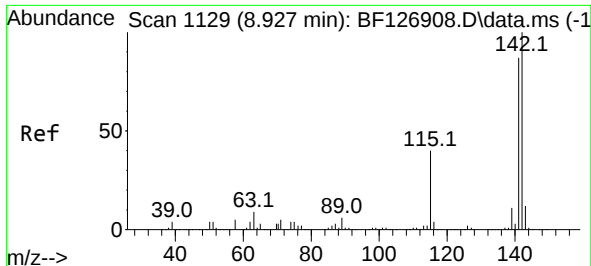
Tgt Ion:128 Resp: 98451
Ion Ratio Lower Upper
128 100
129 11.5 8.6 13.0
127 12.8 10.3 15.5



#33
4-Chloroaniline
Concen: 2.406 ng
RT: 8.234 min Scan# 1011
Delta R.T. -0.041 min
Lab File: BF127027.D
Acq: 23 Feb 2022 00:07

Tgt Ion:127 Resp: 12450
Ion Ratio Lower Upper
127 100
129 90.3 26.5 39.7#
65 3.2 26.6 39.8#
92 0.0 16.1 24.1#





#37

2-Methylnaphthalene

Concen: 2.599 ng

RT: 8.928 min Scan# 1129

Delta R.T. 0.012 min

Lab File: BF127027.D

Acq: 23 Feb 2022 00:07

Instrument :

BNA_F

ClientSampleId :

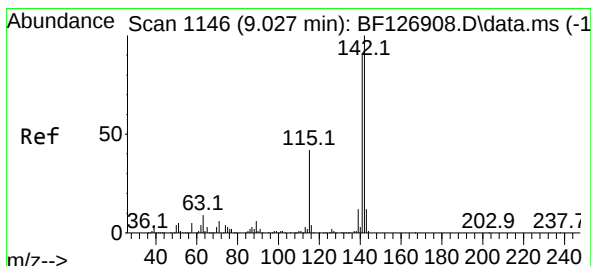
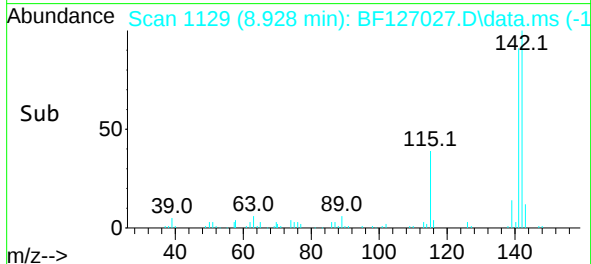
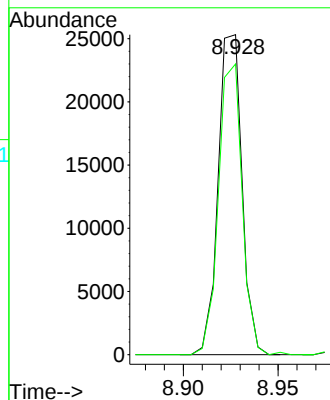
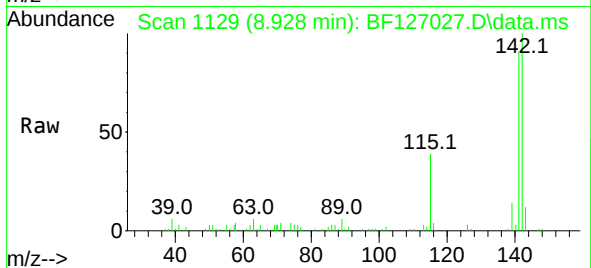
CC-B3

Tgt Ion:142 Resp: 22177

Ion Ratio Lower Upper

142 100

141 90.8 68.6 102.8



#38

1-Methylnaphthalene

Concen: 2.133 ng

RT: 9.028 min Scan# 1146

Delta R.T. 0.012 min

Lab File: BF127027.D

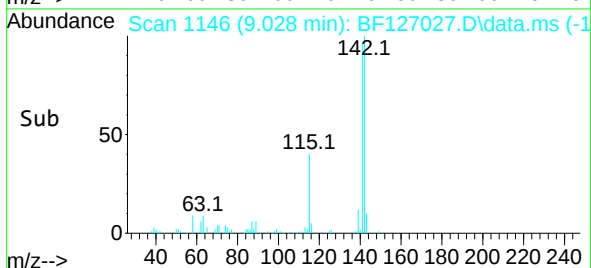
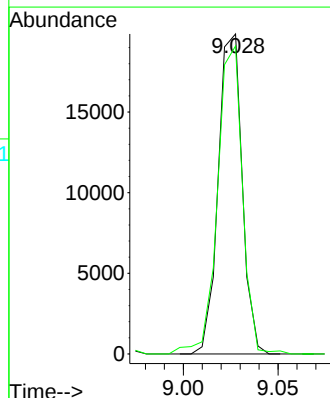
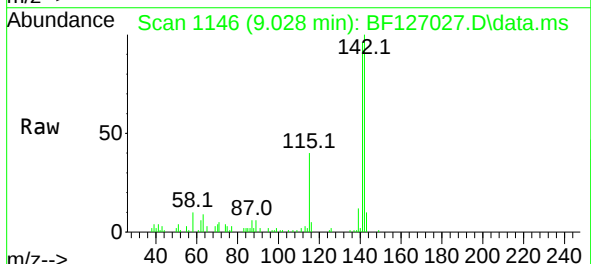
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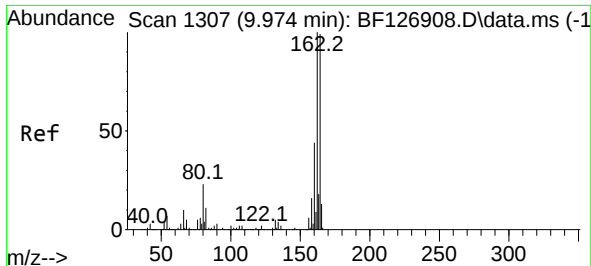
Tgt Ion:142 Resp: 17425

Ion Ratio Lower Upper

142 100

141 96.3 72.1 108.1

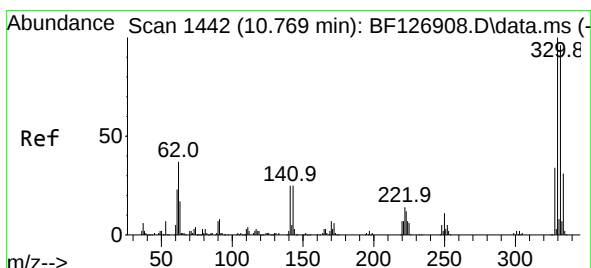
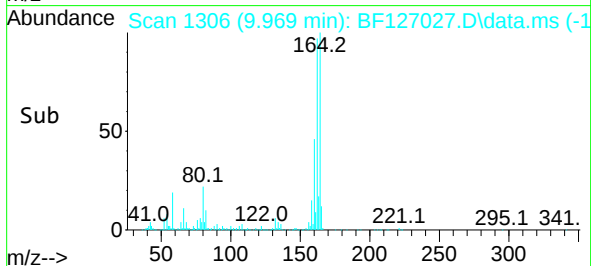
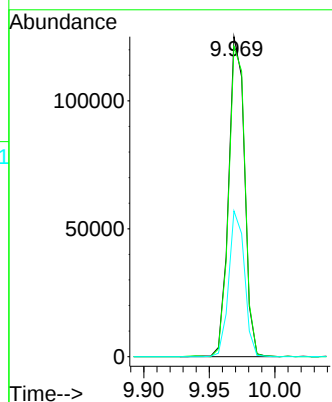
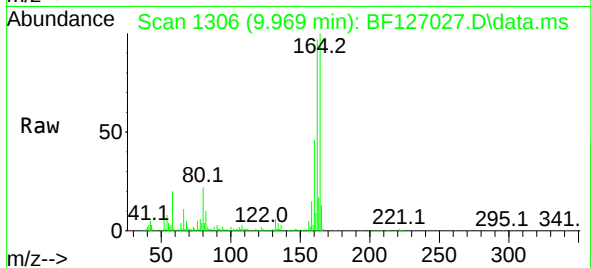




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF127027.D
Acq: 23 Feb 2022 00:07

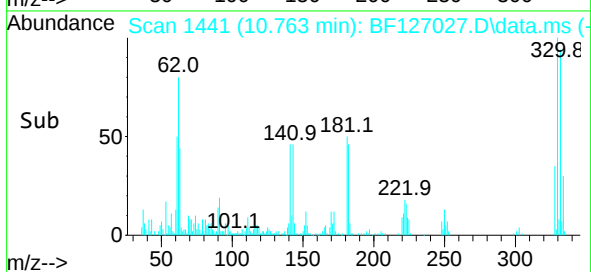
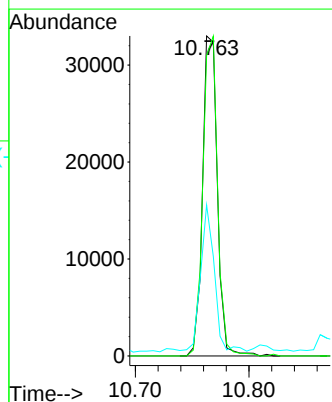
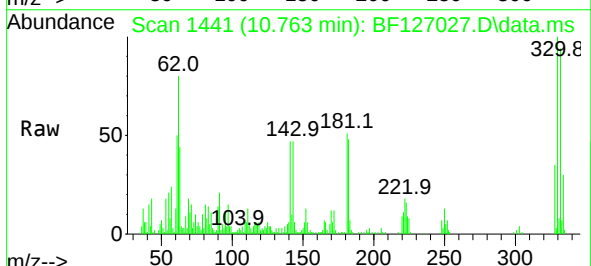
Instrument :
BNA_F
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CC-B3

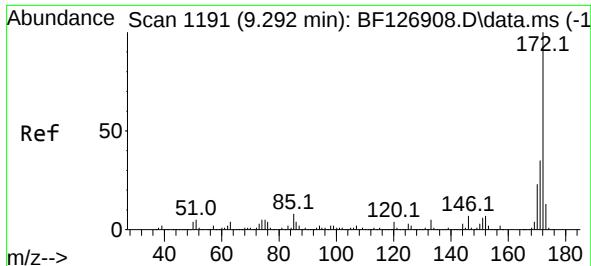
Tgt Ion:164 Resp: 105595
Ion Ratio Lower Upper
164 100
162 97.0 81.4 122.0
160 45.6 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 24.606 ng
RT: 10.763 min Scan# 1441
Delta R.T. 0.012 min
Lab File: BF127027.D
Acq: 23 Feb 2022 00:07

Tgt Ion:330 Resp: 29915
Ion Ratio Lower Upper
330 100
332 99.4 76.0 114.0
141 42.7 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 91.287 ng

RT: 9.286 min Scan# 1191

Delta R.T. 0.006 min

Lab File: BF127027.D

Acq: 23 Feb 2022 00:07

Instrument :

BNA_F

ClientSampleId :

CC-B3

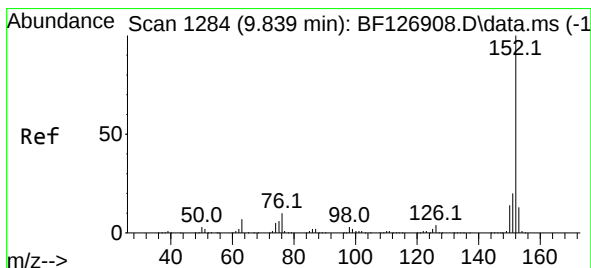
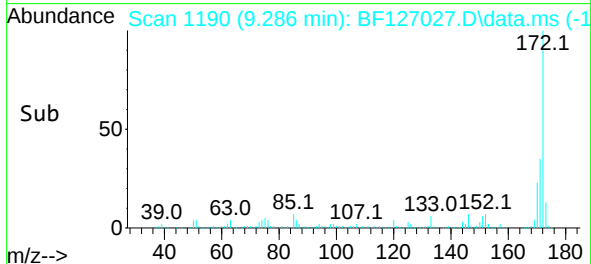
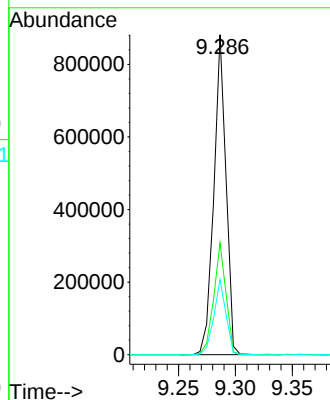
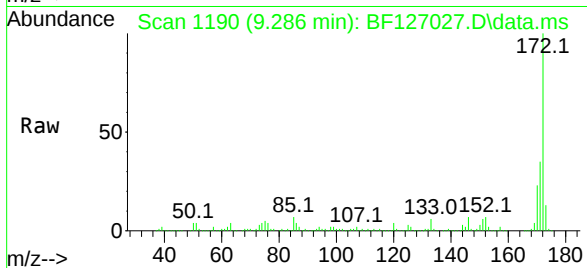
Tgt Ion:172 Resp: 654786

Ion Ratio Lower Upper

172 100

171 35.0 28.3 42.5

170 23.4 19.0 28.6



#49

Acenaphthylene

Concen: 3.763 ng

RT: 9.833 min Scan# 1283

Delta R.T. 0.006 min

Lab File: BF127027.D

Acq: 23 Feb 2022 00:07

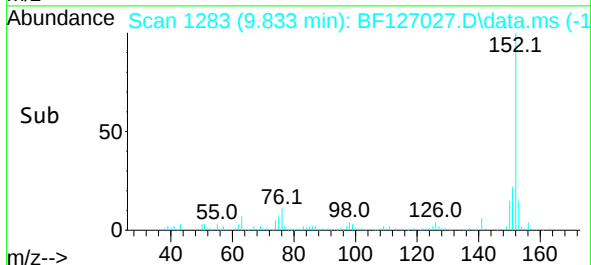
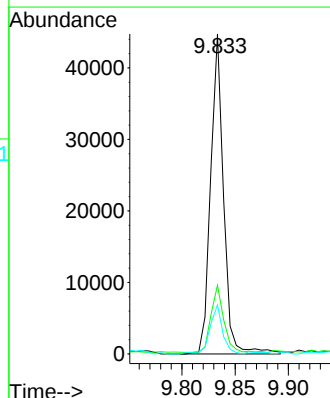
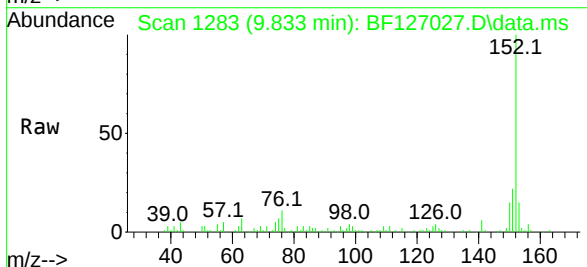
Tgt Ion:152 Resp: 37918

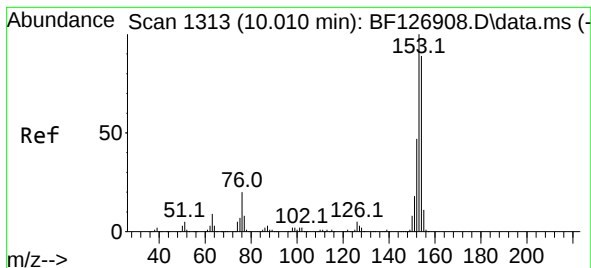
Ion Ratio Lower Upper

152 100

151 21.5 15.7 23.5

153 15.3 11.4 17.0





#52

Acenaphthene

Concen: 11.662 ng

RT: 10.004 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF127027.D

Acq: 23 Feb 2022 00:07

Instrument :

BNA_F

ClientSampleId :

CC-B3

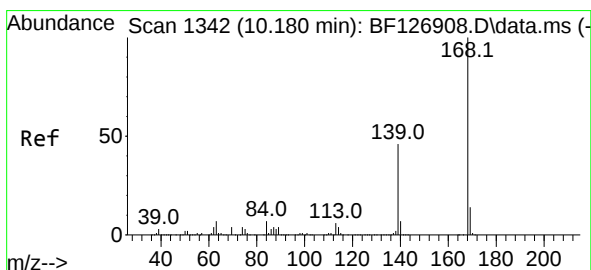
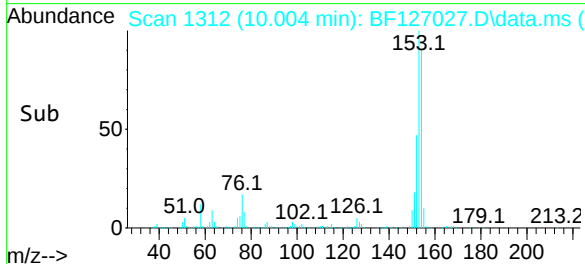
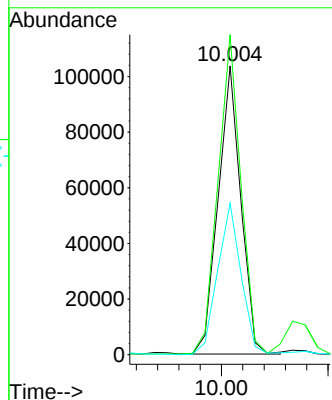
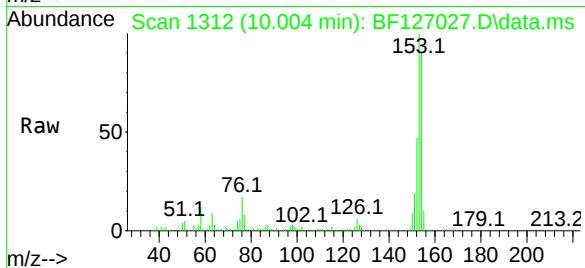
Tgt Ion:154 Resp: 76433

Ion Ratio Lower Upper

154 100

153 110.8 87.8 131.6

152 52.4 39.4 59.2



#55

Dibenzofuran

Concen: 7.989 ng

RT: 10.175 min Scan# 1341

Delta R.T. 0.006 min

Lab File: BF127027.D

Acq: 23 Feb 2022 00:07

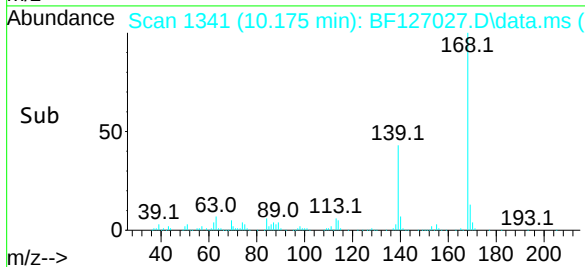
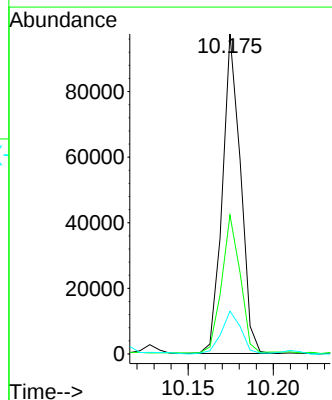
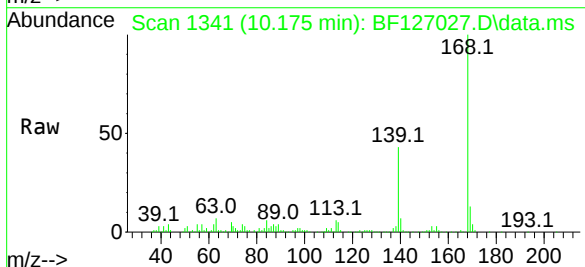
Tgt Ion:168 Resp: 71999

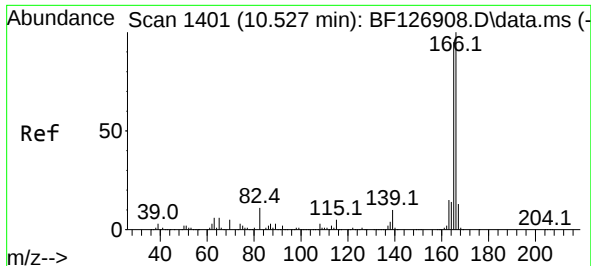
Ion Ratio Lower Upper

168 100

139 43.4 30.6 46.0

169 13.4 10.0 15.0

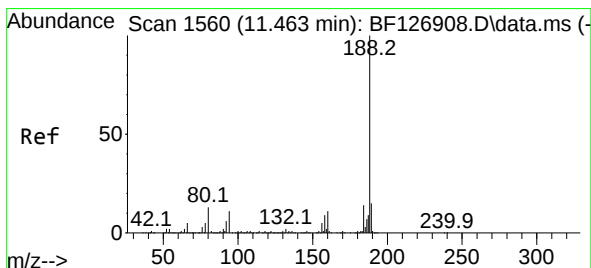
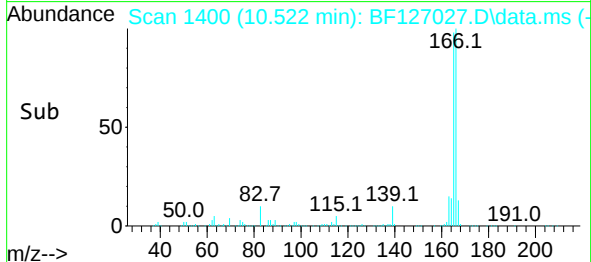
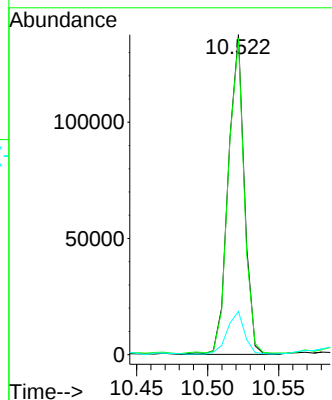
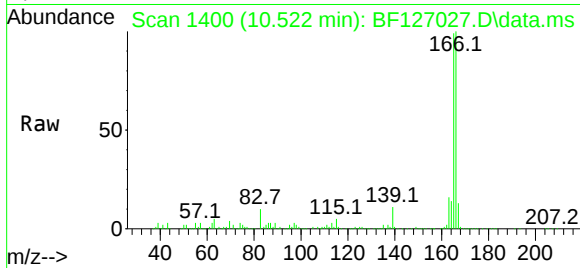




#58
Fluorene
Concen: 15.273 ng
RT: 10.522 min Scan# 1401
Delta R.T. 0.012 min
Lab File: BF127027.D
Acq: 23 Feb 2022 00:07

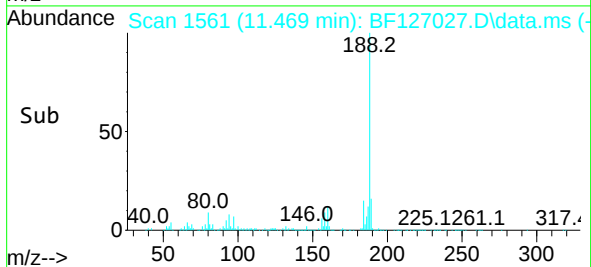
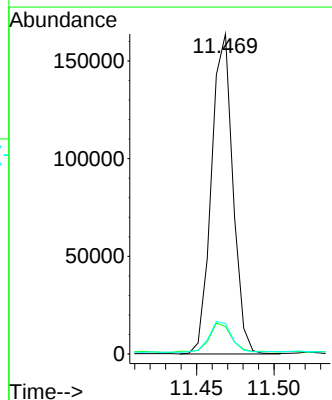
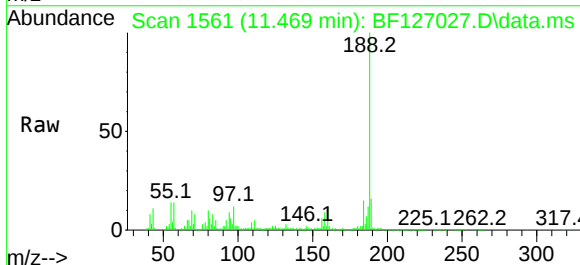
Instrument :
BNA_F
ClientSampleId :
CC-B3

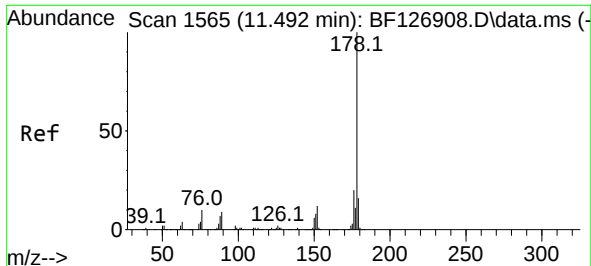
Tgt Ion:166 Resp: 107217
Ion Ratio Lower Upper
166 100
165 98.8 77.7 116.5
167 13.5 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.469 min Scan# 1561
Delta R.T. 0.018 min
Lab File: BF127027.D
Acq: 23 Feb 2022 00:07

Tgt Ion:188 Resp: 157847
Ion Ratio Lower Upper
188 100
94 8.6 10.1 15.1#
80 9.5 11.8 17.6#

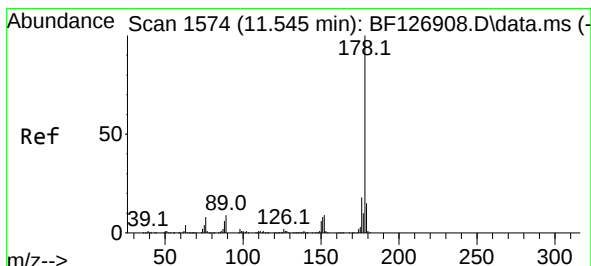
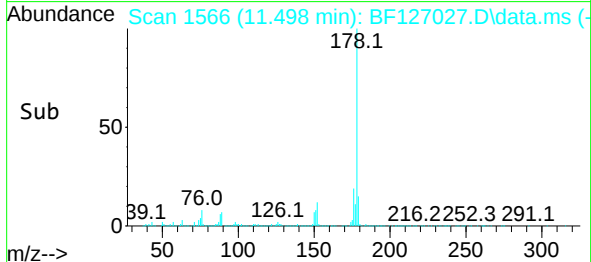
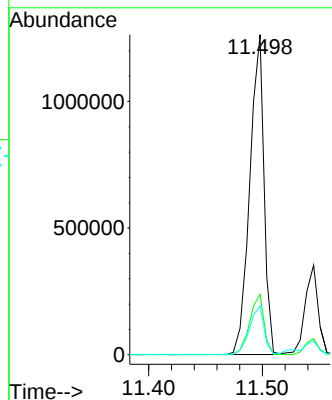
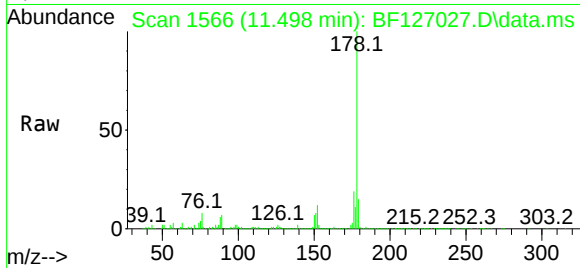




#71
Phenanthrene
Concen: 124.787 ng
RT: 11.498 min Scan# 1566
Delta R.T. 0.018 min
Lab File: BF127027.D
Acq: 23 Feb 2022 00:07

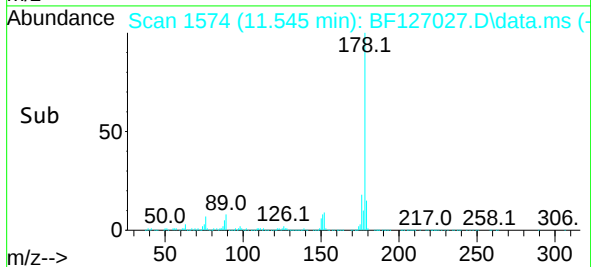
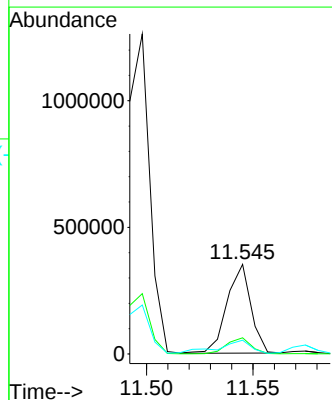
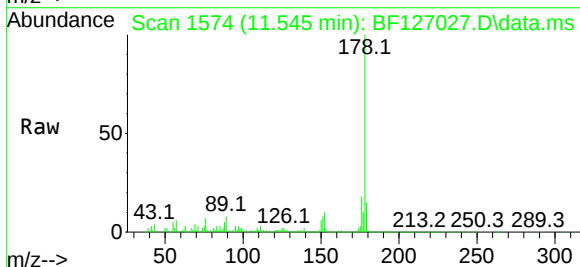
Instrument :
BNA_F
ClientSampleId :
CC-B3

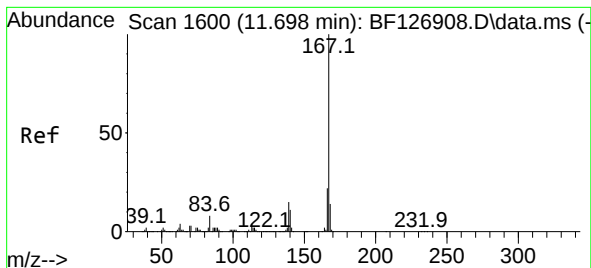
Tgt Ion:178 Resp: 1102491
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.3 12.3 18.5



#72
Anthracene
Concen: 31.131 ng
RT: 11.545 min Scan# 1574
Delta R.T. 0.018 min
Lab File: BF127027.D
Acq: 23 Feb 2022 00:07

Tgt Ion:178 Resp: 273809
Ion Ratio Lower Upper
178 100
176 18.1 15.0 22.6
179 15.4 12.5 18.7





#73

Carbazole

Concen: 15.064 ng

RT: 11.692 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF127027.D

Acq: 23 Feb 2022 00:07

Instrument :

BNA_F

ClientSampleId :

CC-B3

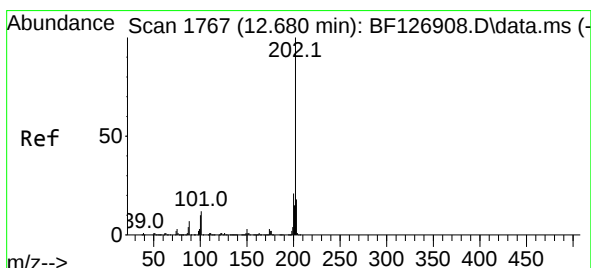
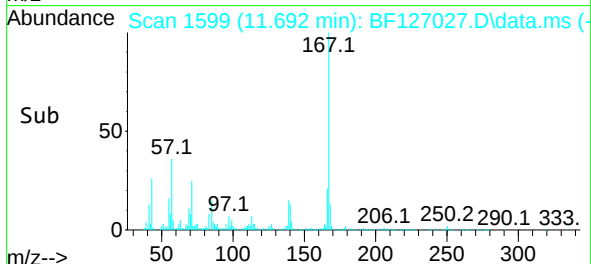
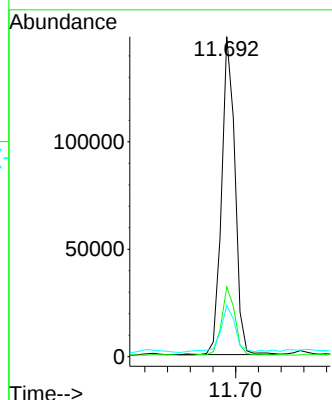
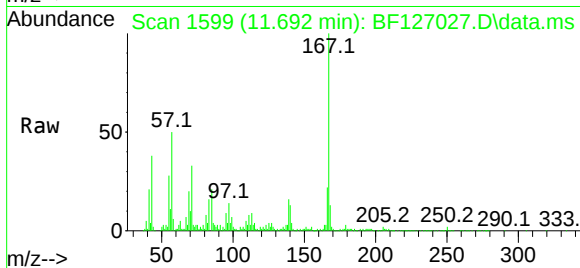
Tgt Ion:167 Resp: 121506

Ion Ratio Lower Upper

167 100

166 21.8 16.9 25.3

139 16.0 11.3 16.9



#75

Fluoranthene

Concen: 166.049 ng

RT: 12.698 min Scan# 1770

Delta R.T. 0.029 min

Lab File: BF127027.D

Acq: 23 Feb 2022 00:07

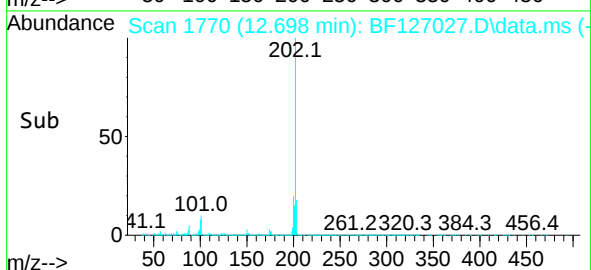
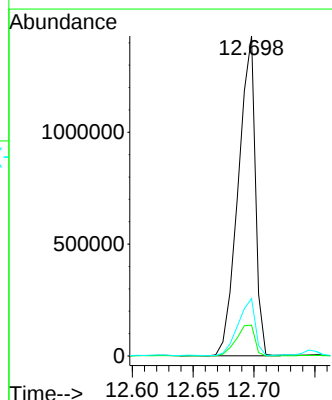
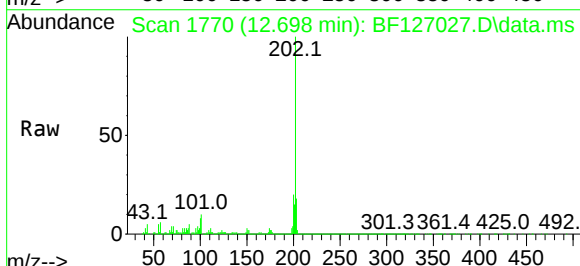
Tgt Ion:202 Resp: 1392965

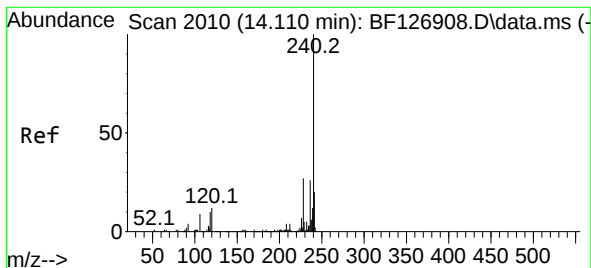
Ion Ratio Lower Upper

202 100

101 9.7 0.0 35.7

203 17.9 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 20

Delta R.T. 0.029 min

Lab File: BF127027.D

Acq: 23 Feb 2022 00:07

Instrument :

BNA_F

ClientSampleId :

CC-B3

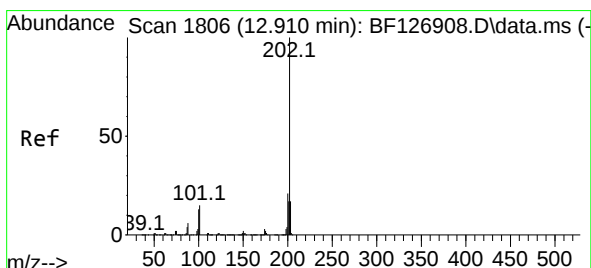
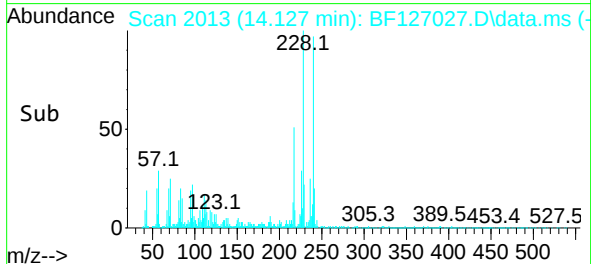
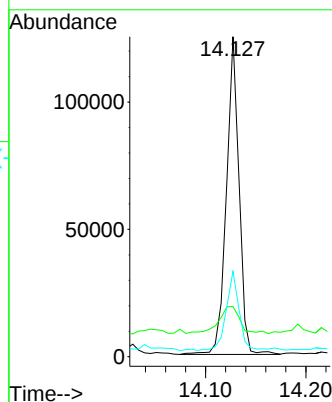
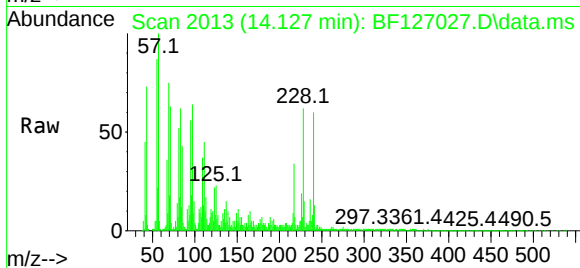
Tgt Ion:240 Resp: 109355

Ion Ratio Lower Upper

240 100

120 15.7 14.4 21.6

236 26.7 20.5 30.7



#78

Pyrene

Concen: 117.761 ng

RT: 12.927 min Scan# 1809

Delta R.T. 0.029 min

Lab File: BF127027.D

Acq: 23 Feb 2022 00:07

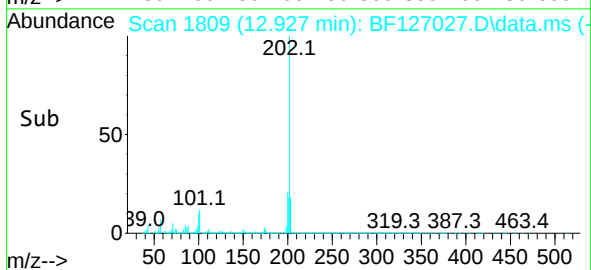
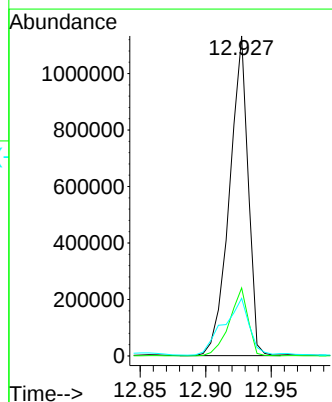
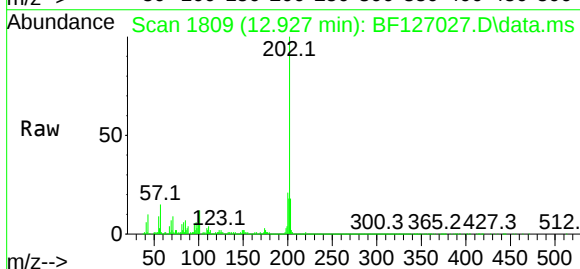
Tgt Ion:202 Resp: 1118798

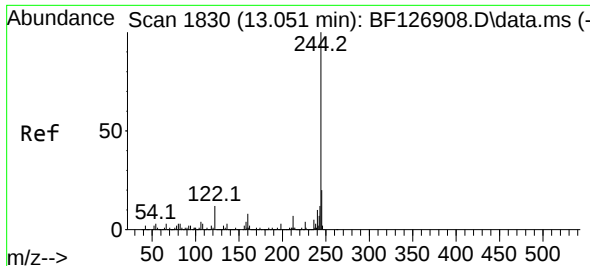
Ion Ratio Lower Upper

202 100

200 21.2 16.6 24.8

203 18.0 13.8 20.8

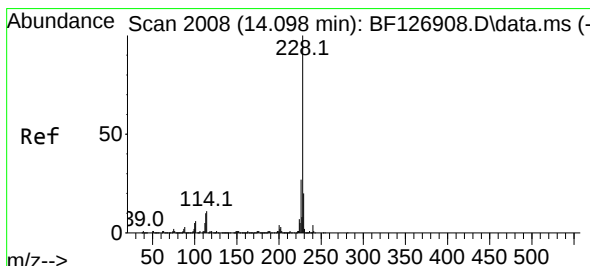
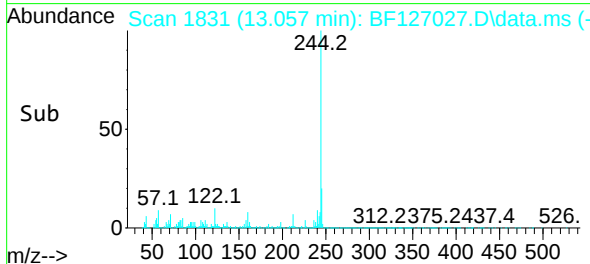
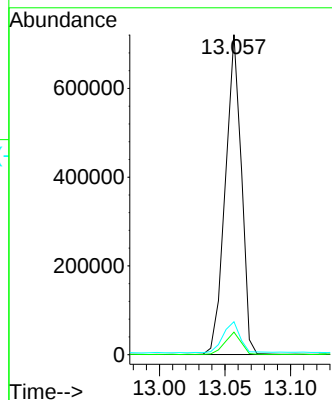
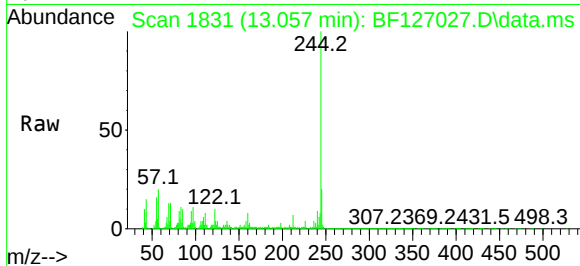




#79
 Terphenyl-d14
 Concen: 81.821 ng
 RT: 13.057 min Scan# 11
 Delta R.T. 0.018 min
 Lab File: BF127027.D
 Acq: 23 Feb 2022 00:07

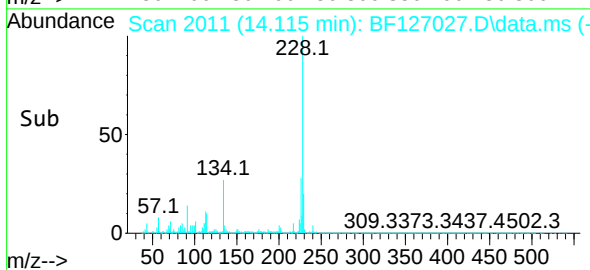
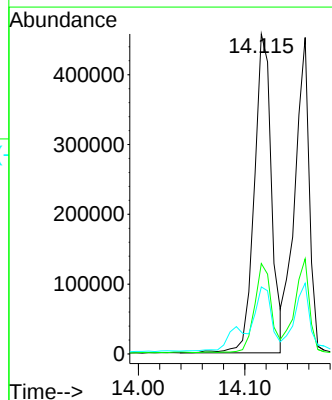
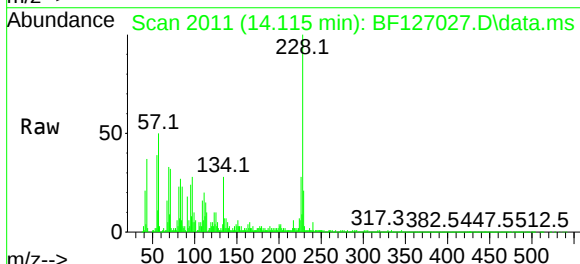
Instrument :
 BNA_F
 ClientSampleId :
 CC-B3

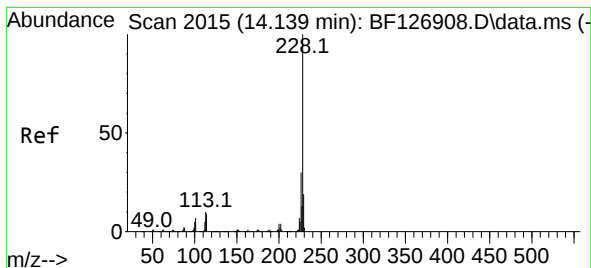
Tgt Ion:244 Resp: 608661
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.0 7.4
 122 10.3 13.3 19.9#



#81
 Benzo(a)anthracene
 Concen: 69.431 ng
 RT: 14.115 min Scan# 2011
 Delta R.T. 0.029 min
 Lab File: BF127027.D
 Acq: 23 Feb 2022 00:07

Tgt Ion:228 Resp: 511868
 Ion Ratio Lower Upper
 228 100
 226 28.2 21.4 32.0
 229 20.9 15.4 23.2





#83

Chrysene

Concen: 61.491 ng

RT: 14.157 min Scan# 2015

Delta R.T. 0.035 min

Lab File: BF127027.D

Acq: 23 Feb 2022 00:07

Instrument :

BNA_F

ClientSampleId :

CC-B3

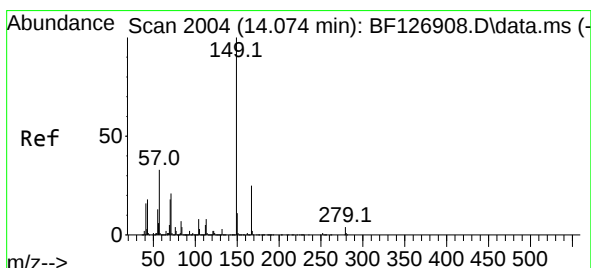
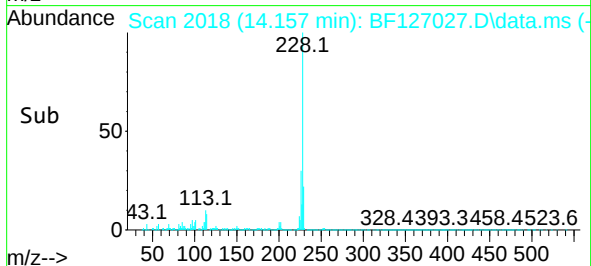
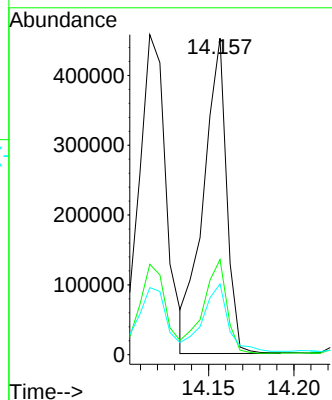
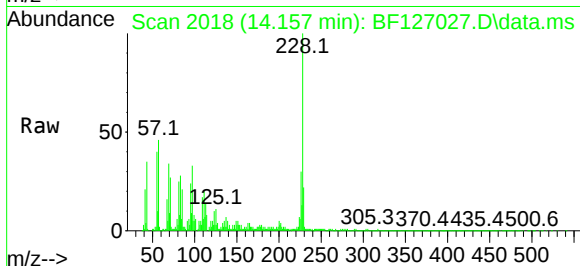
Tgt Ion:228 Resp: 426299

Ion Ratio Lower Upper

228 100

226 30.1 23.7 35.5

229 22.4 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.842 ng

RT: 14.086 min Scan# 2006

Delta R.T. 0.024 min

Lab File: BF127027.D

Acq: 23 Feb 2022 00:07

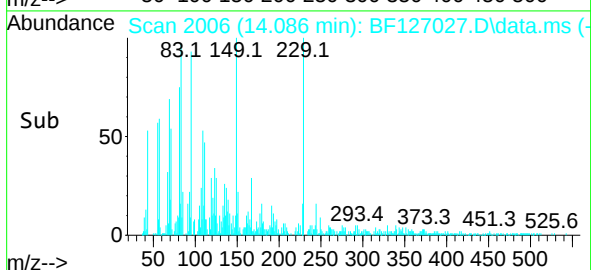
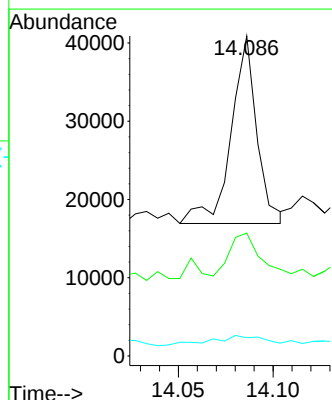
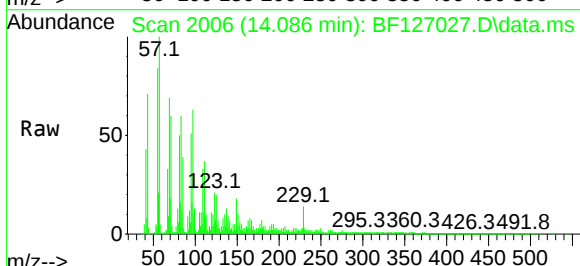
Tgt Ion:149 Resp: 22688

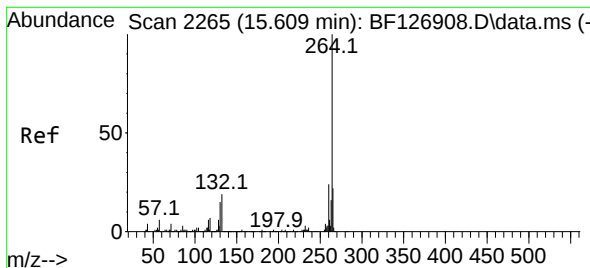
Ion Ratio Lower Upper

149 100

167 38.4 21.4 32.2#

279 5.7 2.4 3.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.645 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF127027.D

Acq: 23 Feb 2022 00:07

Instrument :

BNA_F

ClientSampleId :

CC-B3

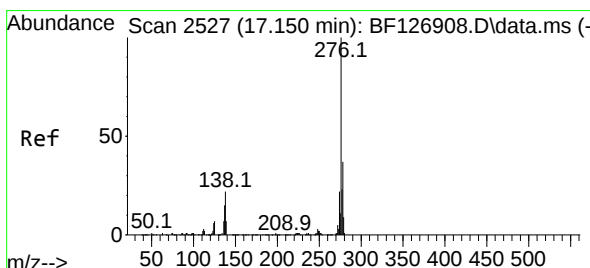
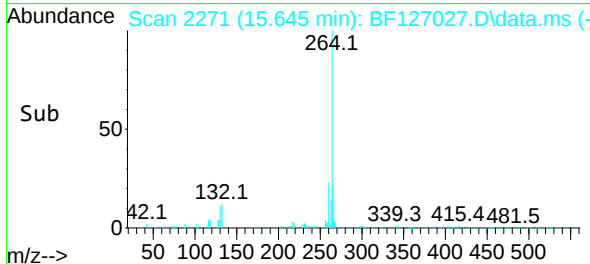
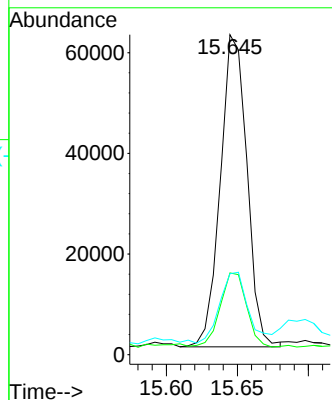
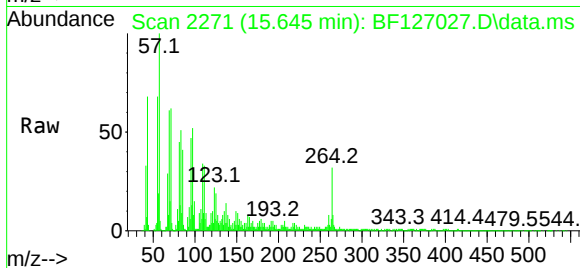
Tgt Ion:264 Resp: 80754

Ion Ratio Lower Upper

264 100

260 25.6 19.2 28.8

265 25.3 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 35.453 ng

RT: 17.198 min Scan# 2535

Delta R.T. 0.082 min

Lab File: BF127027.D

Acq: 23 Feb 2022 00:07

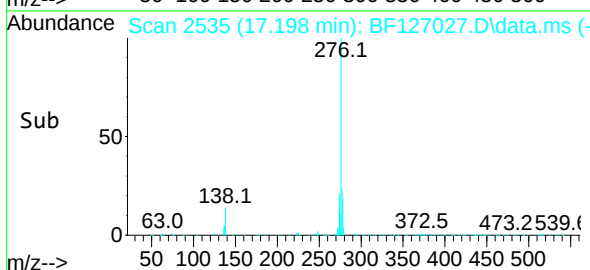
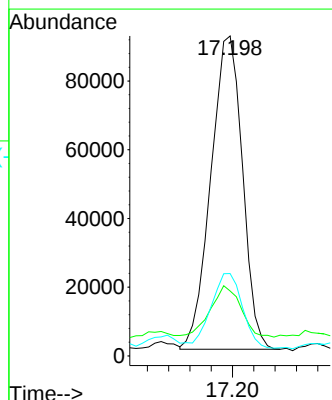
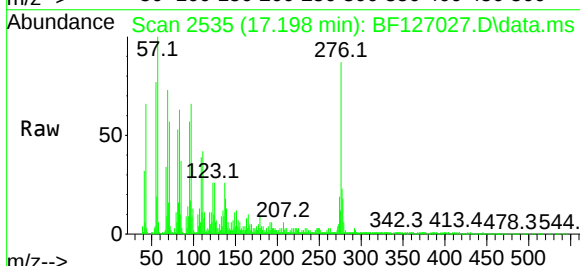
Tgt Ion:276 Resp: 187729

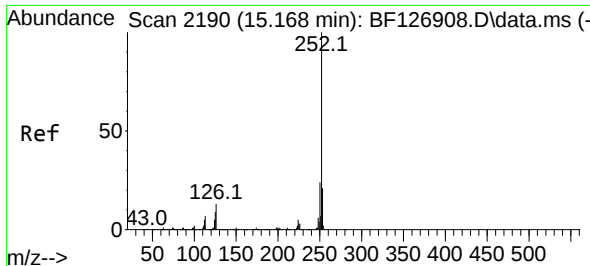
Ion Ratio Lower Upper

276 100

138 15.8 29.2 43.8#

277 23.4 19.8 29.8

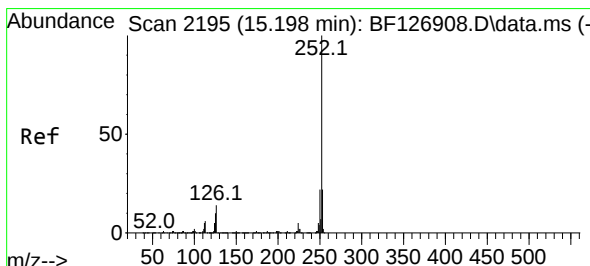
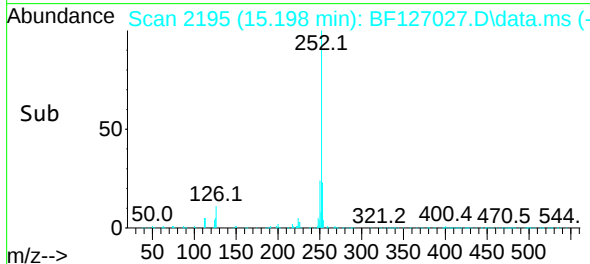
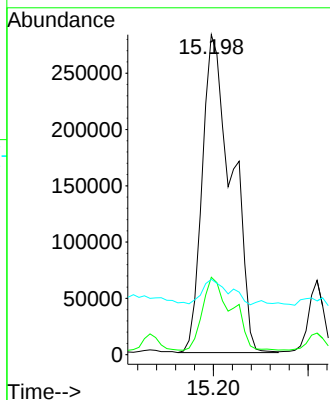
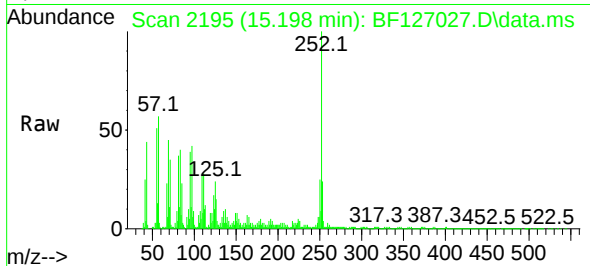




#88
Benzo(b)fluoranthene
Concen: 112.993 ng
RT: 15.198 min Scan# 2190
Delta R.T. 0.047 min
Lab File: BF127027.D
Acq: 23 Feb 2022 00:07

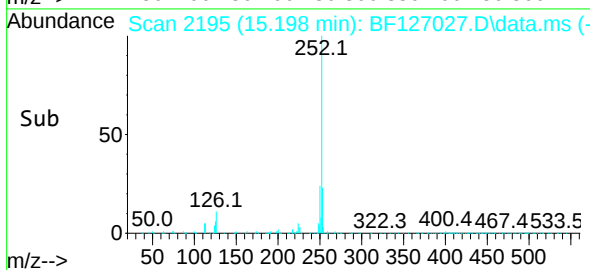
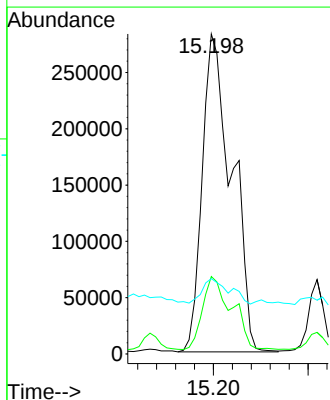
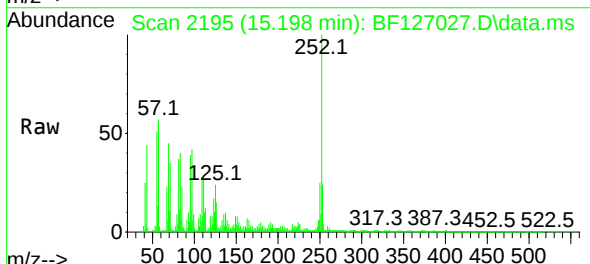
Instrument :
BNA_F
ClientSampleId :
CC-B3

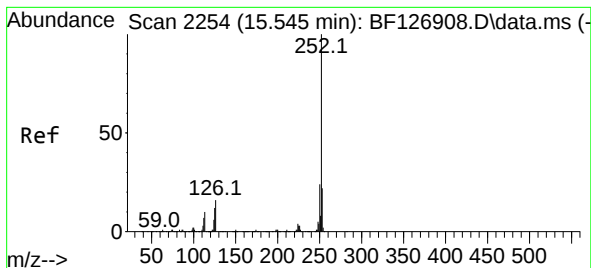
Tgt Ion:252 Resp: 612845
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.8
125 23.5 12.4 18.6#



#89
Benzo(k)fluoranthene
Concen: 117.149 ng
RT: 15.198 min Scan# 2195
Delta R.T. 0.018 min
Lab File: BF127027.D
Acq: 23 Feb 2022 00:07

Tgt Ion:252 Resp: 612845
Ion Ratio Lower Upper
252 100
253 24.2 17.5 26.3
125 23.5 11.8 17.6#





#90

Benzo(a)pyrene

Concen: 74.271 ng

RT: 15.586 min Scan# 21

Delta R.T. 0.059 min

Lab File: BF127027.D

Acq: 23 Feb 2022 00:07

Instrument :

BNA_F

ClientSampleId :

CC-B3

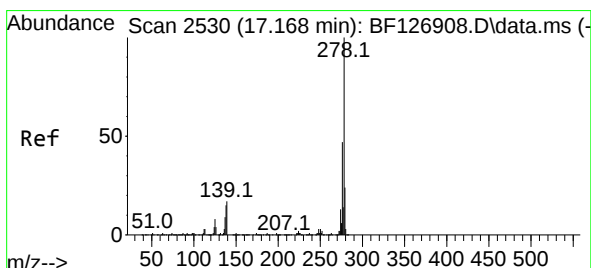
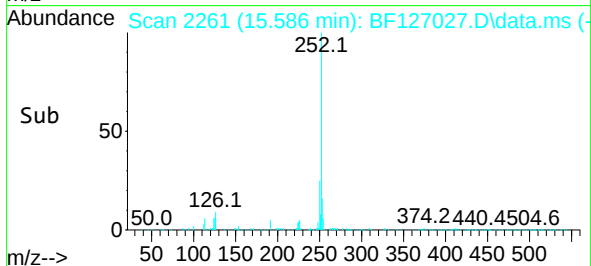
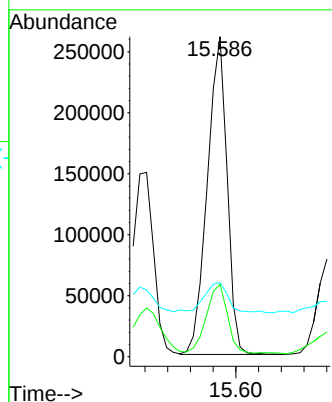
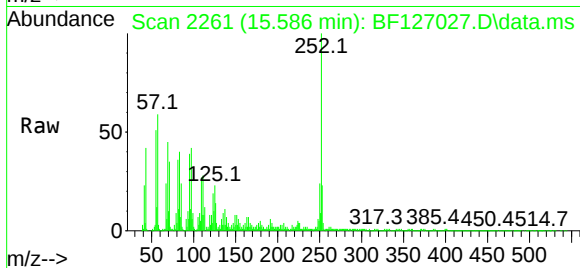
Tgt Ion:252 Resp: 314650

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

125 23.1 13.0 19.6#



#91

Dibenzo(a,h)anthracene

Concen: 9.969 ng

RT: 17.204 min Scan# 2536

Delta R.T. 0.065 min

Lab File: BF127027.D

Acq: 23 Feb 2022 00:07

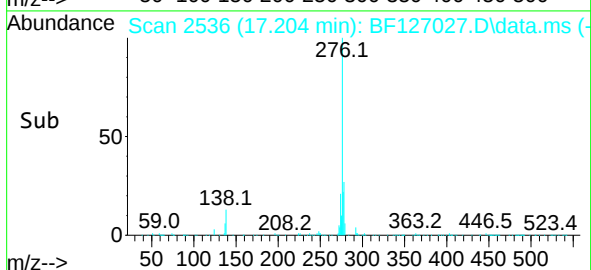
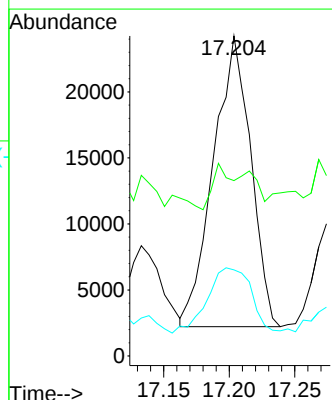
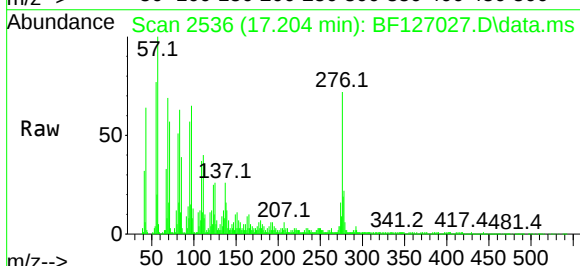
Tgt Ion:278 Resp: 43656

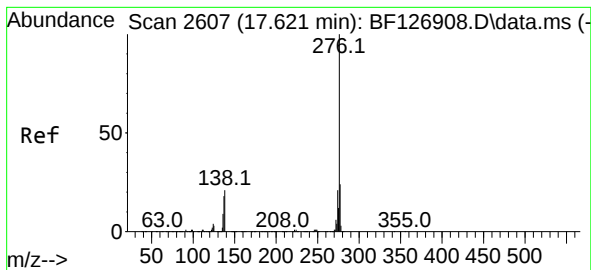
Ion Ratio Lower Upper

278 100

139 54.8 18.0 27.0#

279 26.9 18.6 27.8





#92

Benzo(g,h,i)perylene

Concen: 40.455 ng

RT: 17.668 min Scan# 20

Delta R.T. 0.082 min

Lab File: BF127027.D

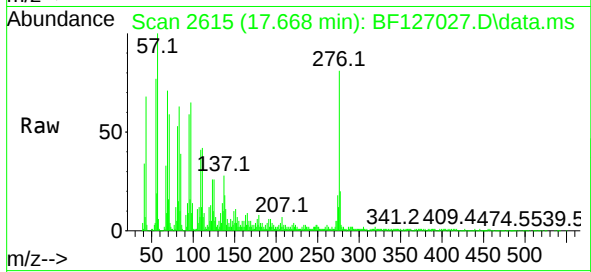
Acq: 23 Feb 2022 00:07

Instrument :

BNA_F

ClientSampleId :

CC-B3



Tgt Ion:276 Resp: 174661

Ion Ratio Lower Upper

276 100

277 25.0 18.5 27.7

138 22.6 25.9 38.9#

