

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
 Data File : BF129493.D
 Acq On : 02 Aug 2022 01:43
 Operator : CG\JU
 Sample : N3982-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-3-072922

Quant Time: Aug 02 02:17:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 01:11:25 2022
 Response via : Initial Calibration

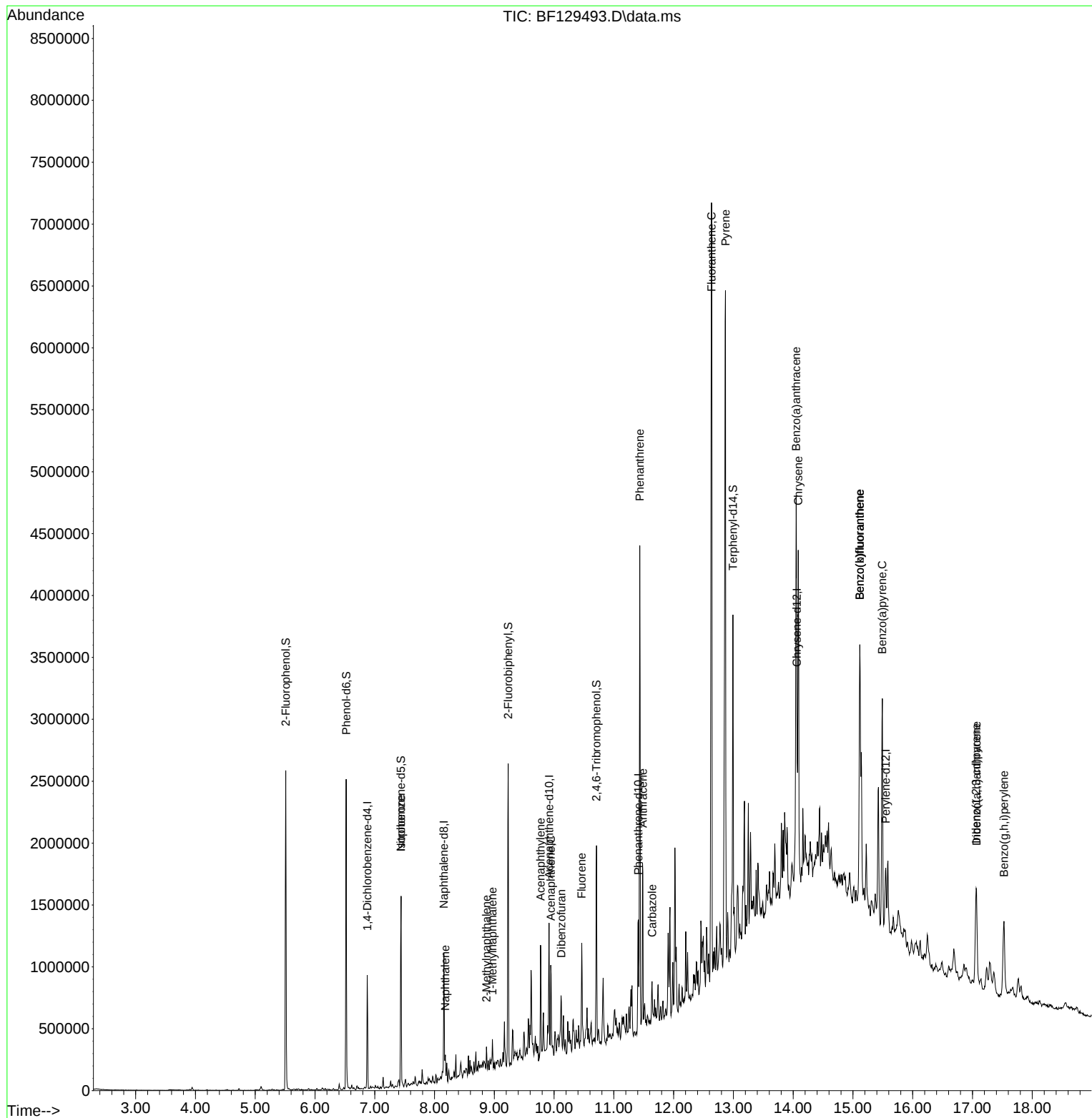
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	118224	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	390220	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	192228	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	351921	20.000	ng	0.00
76) Chrysene-d12	14.062	240	240676	20.000	ng	0.01
86) Perylene-d12	15.551	264	192622	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	664272	91.529	ng	0.00
7) Phenol-d6	6.522	99	743066	81.457	ng	0.00
23) Nitrobenzene-d5	7.439	82	429063	60.022	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	164606	89.066	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	703139	56.585	ng	0.00
79) Terphenyl-d14	12.992	244	861151	67.503	ng	0.00
Target Compounds						
25) Isophorone	7.439	82	429063	33.485	ng	Qvalue # 66
31) Naphthalene	8.181	128	60832	3.068	ng	98
37) 2-Methylnaphthalene	8.869	142	46106	3.579	ng	99
38) 1-Methylnaphthalene	8.969	142	53478	4.300	ng	99
49) Acenaphthylene	9.775	152	259588	15.064	ng	99
52) Acenaphthene	9.945	154	125831	11.180	ng	98
55) Dibenzofuran	10.122	168	119602	7.709	ng	98
58) Fluorene	10.463	166	206143	16.605	ng	99
71) Phenanthrene	11.433	178	1434705	74.684	ng	99
72) Anthracene	11.486	178	537744	28.485	ng	99
73) Carbazole	11.639	167	78611	4.424	ng	98
75) Fluoranthene	12.633	202	2961772	152.163	ng	97
78) Pyrene	12.868	202	2670412	132.685	ng	99
81) Benzo(a)anthracene	14.051	228	1310135	79.689	ng	95
83) Chrysene	14.086	228	1022539	65.993	ng	96
87) Indeno(1,2,3-cd)pyrene	17.062	276	554841	42.774	ng	# 94
88) Benzo(b)fluoranthene	15.115	252	1664377	130.261	ng	# 95
89) Benzo(k)fluoranthene	15.115	252	1664377	132.924	ng	# 95
90) Benzo(a)pyrene	15.492	252	876552	84.510	ng	97
91) Dibenzo(a,h)anthracene	17.068	278	139913	13.252	ng	# 83
92) Benzo(g,h,i)perylene	17.527	276	529156	49.050	ng	98

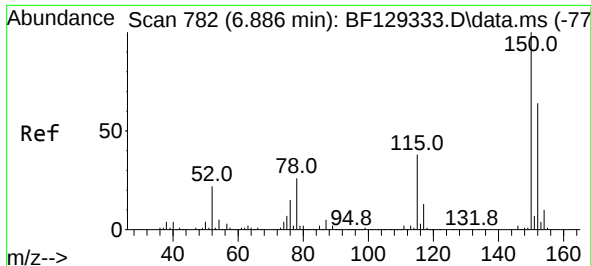
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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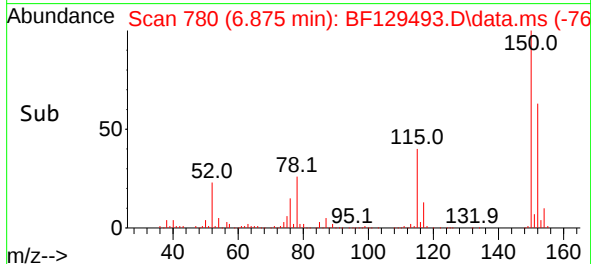
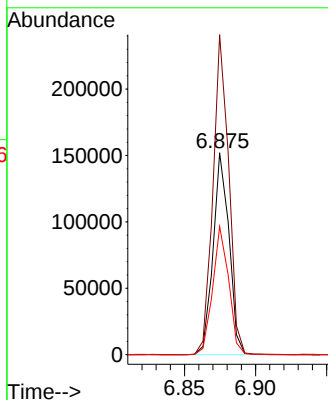
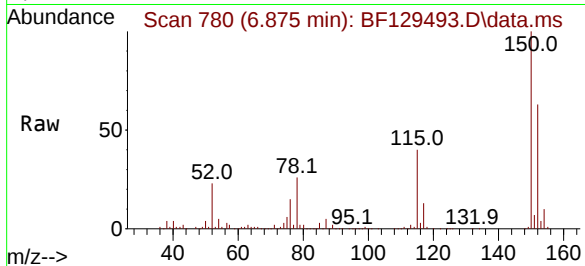




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF129493.D
 Acq: 02 Aug 2022 01:43

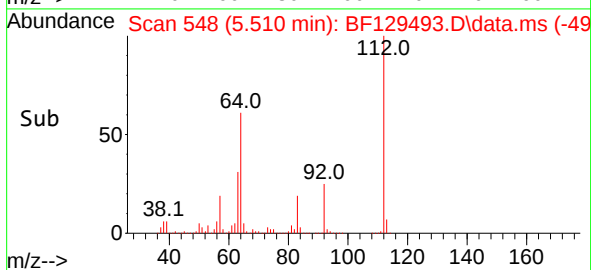
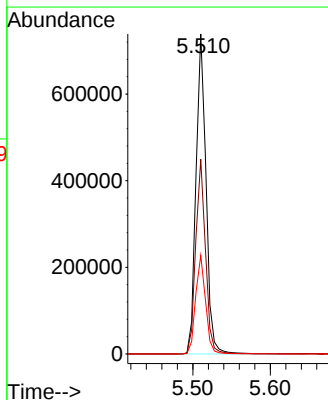
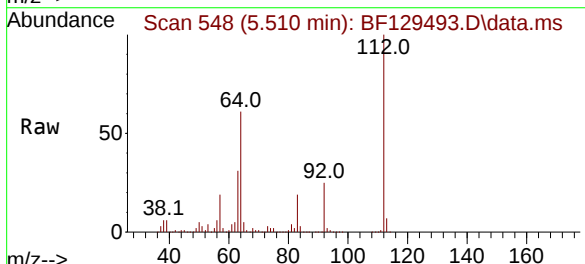
Instrument :
 BNA_F
 ClientSampleId :
 OR-3-072922

Tgt Ion:152 Resp: 118224
 Ion Ratio Lower Upper
 152 100
 150 158.5 123.7 185.5
 115 63.5 49.9 74.9



#5
 2-Fluorophenol
 Concen: 91.529 ng
 RT: 5.510 min Scan# 548
 Delta R.T. 0.006 min
 Lab File: BF129493.D
 Acq: 02 Aug 2022 01:43

Tgt Ion:112 Resp: 664272
 Ion Ratio Lower Upper
 112 100
 64 60.9 53.3 79.9
 63 30.8 28.0 42.0

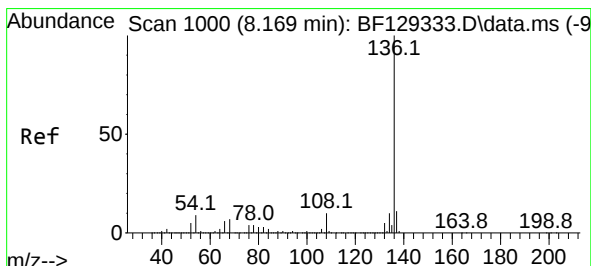
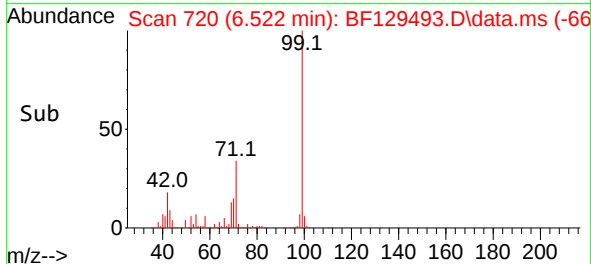
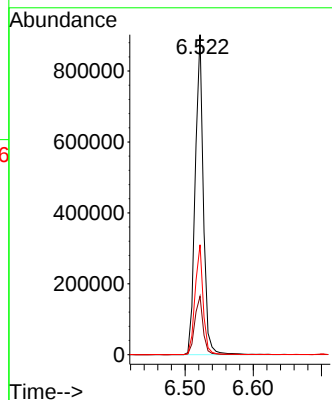
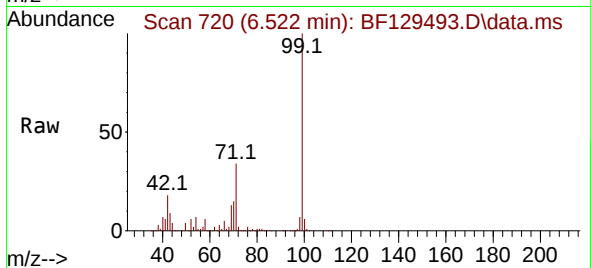




#7
Phenol-d6
Concen: 81.457 ng
RT: 6.522 min Scan# 719
Delta R.T. -0.000 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

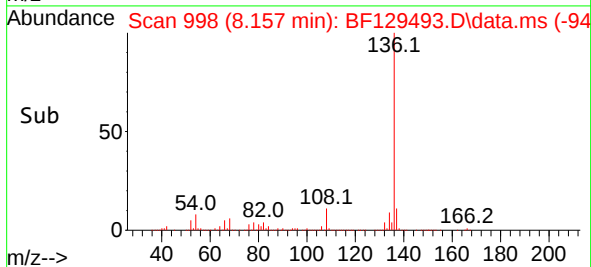
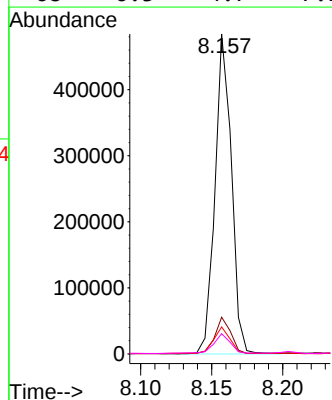
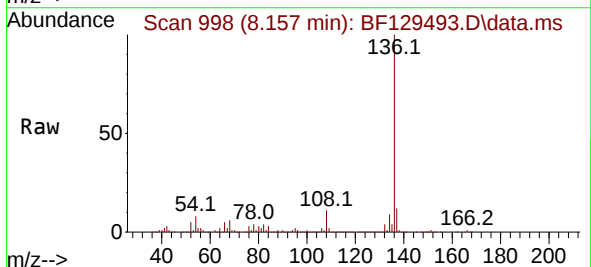
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ClientSampleId :
OR-3-072922

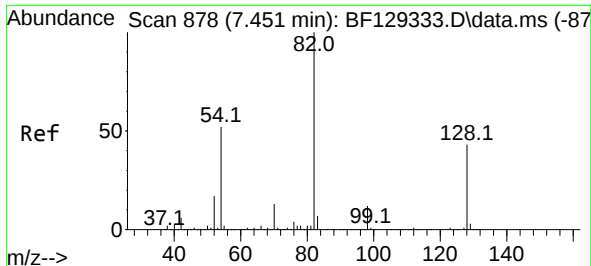
Tgt Ion: 99 Resp: 743066
Ion Ratio Lower Upper
99 100
42 18.2 17.3 25.9
71 34.3 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

Tgt Ion: 136 Resp: 390220
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 8.4 7.5 11.3
68 6.3 4.7 7.1

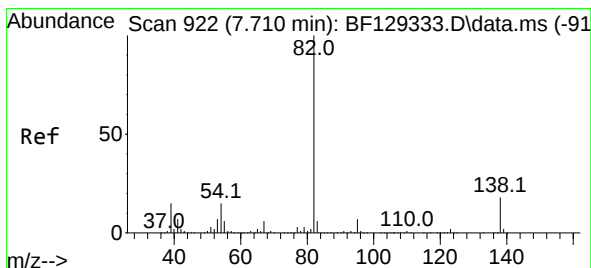
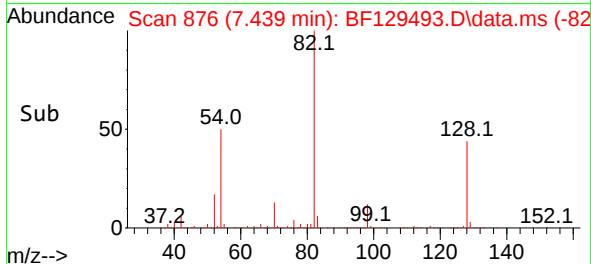
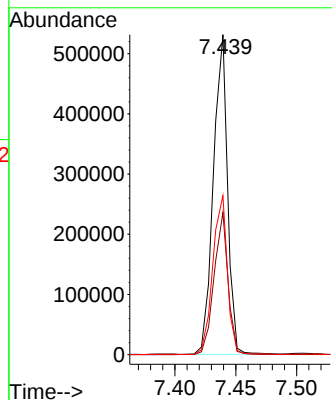
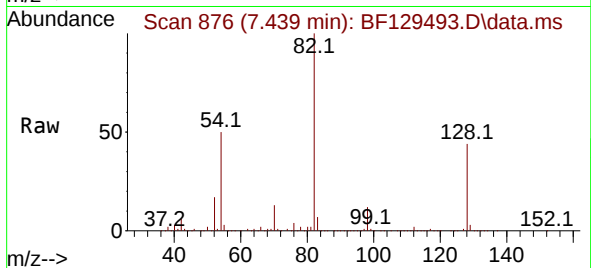




#23
Nitrobenzene-d5
Concen: 60.022 ng
RT: 7.439 min Scan# 876
Delta R.T. -0.006 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

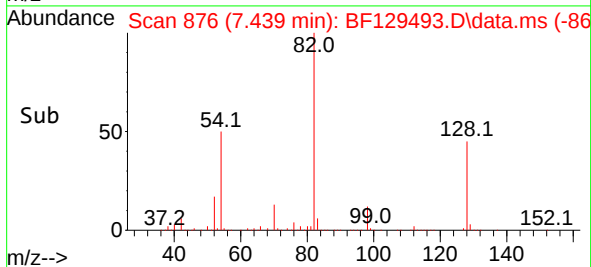
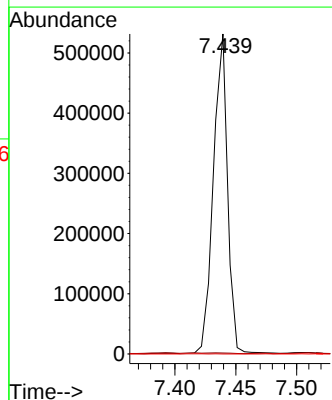
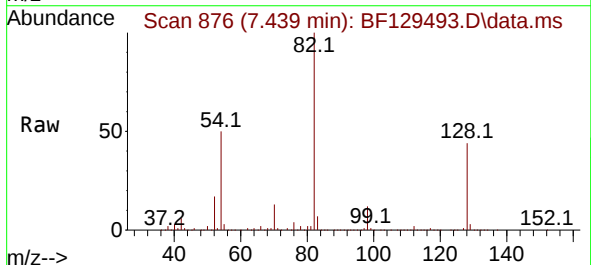
Instrument :
BNA_F
ClientSampleId :
OR-3-072922

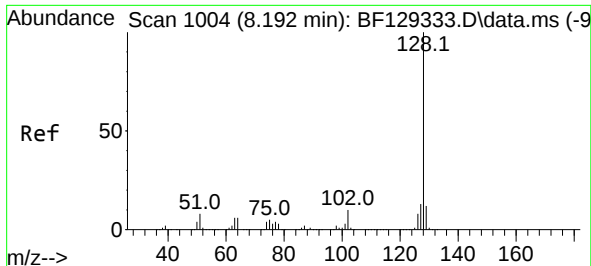
Tgt Ion: 82 Resp: 429063
Ion Ratio Lower Upper
82 100
128 44.5 34.0 51.0
54 49.7 46.9 70.3



#25
Isophorone
Concen: 33.485 ng
RT: 7.439 min Scan# 876
Delta R.T. -0.259 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

Tgt Ion: 82 Resp: 429063
Ion Ratio Lower Upper
82 100
95 0.3 5.7 8.5#
138 0.0 14.2 21.2#





#31

Naphthalene

Concen: 3.068 ng

RT: 8.181 min Scan# 1119

Delta R.T. -0.000 min

Lab File: BF129493.D

Acq: 02 Aug 2022 01:43

Instrument :

BNA_F

ClientSampleId :

OR-3-072922

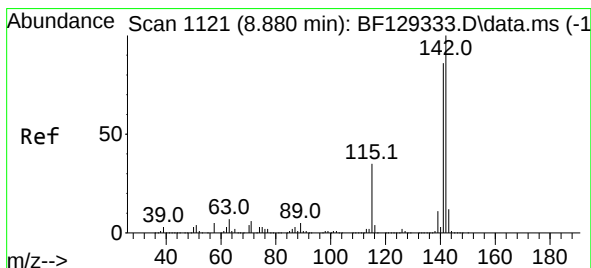
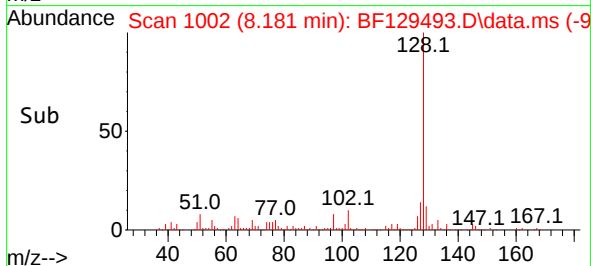
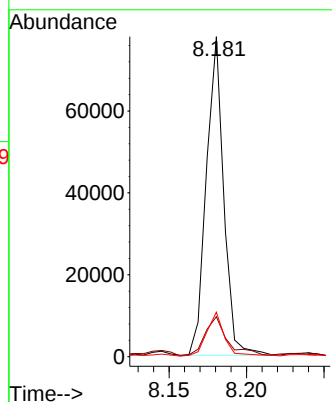
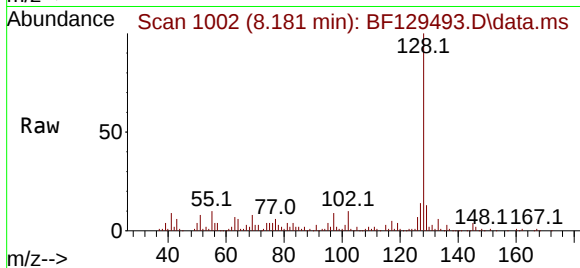
Tgt Ion:128 Resp: 60832

Ion Ratio Lower Upper

128 100

129 12.5 9.2 13.8

127 13.9 10.5 15.7



#37

2-Methylnaphthalene

Concen: 3.579 ng

RT: 8.869 min Scan# 1119

Delta R.T. -0.000 min

Lab File: BF129493.D

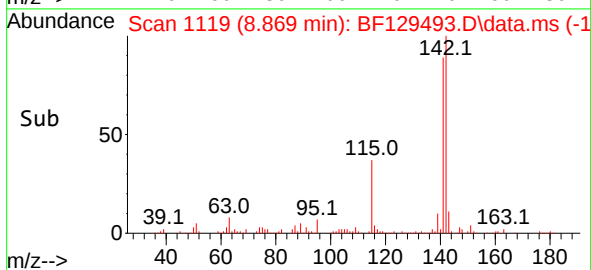
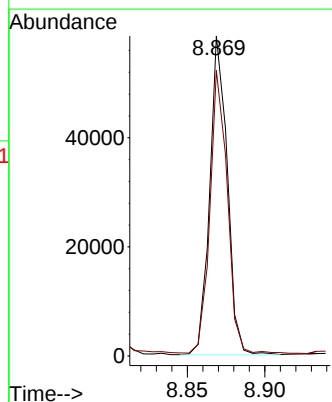
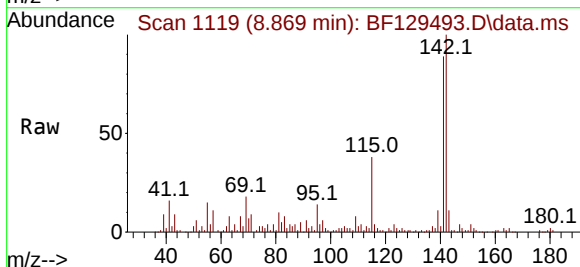
Acq: 02 Aug 2022 01:43

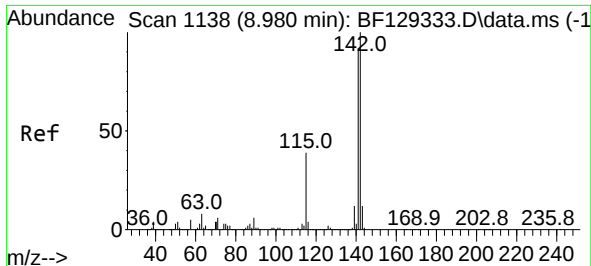
Tgt Ion:142 Resp: 46106

Ion Ratio Lower Upper

142 100

141 89.2 71.0 106.4

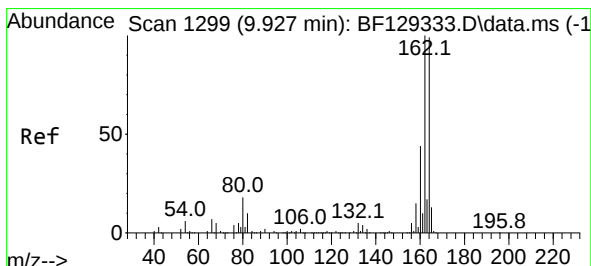
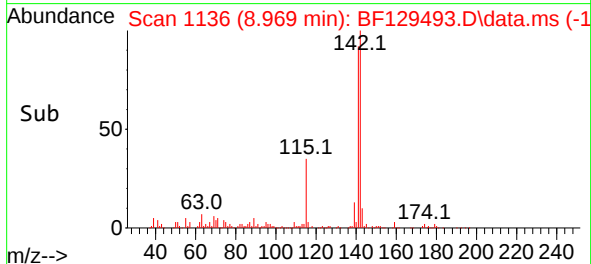
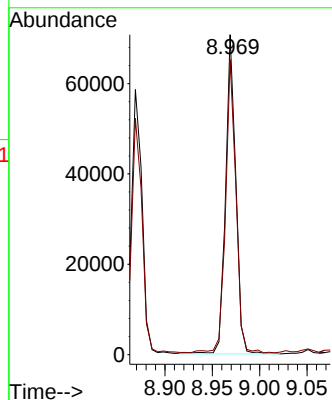
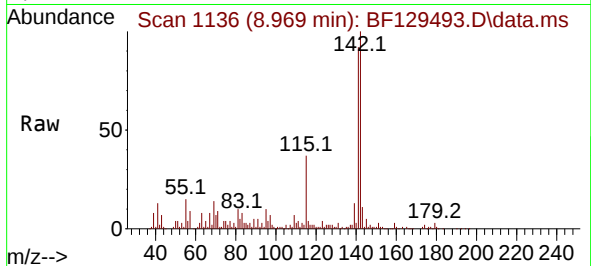




#38
1-Methylnaphthalene
Concen: 4.300 ng
RT: 8.969 min Scan# 1138
Delta R.T. -0.000 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

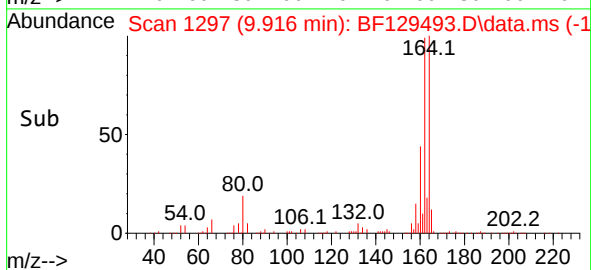
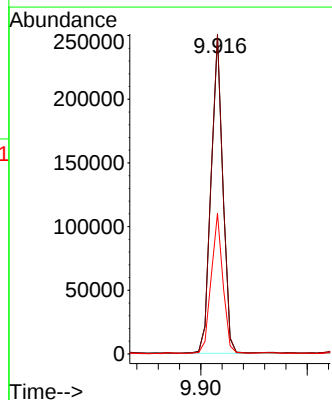
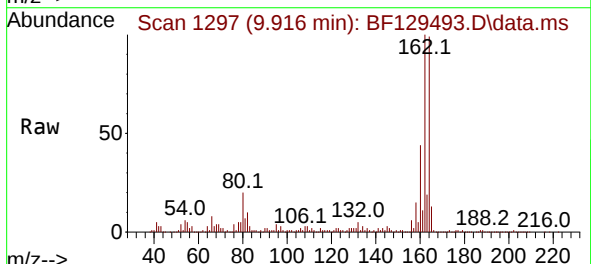
Instrument :
BNA_F
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OR-3-072922

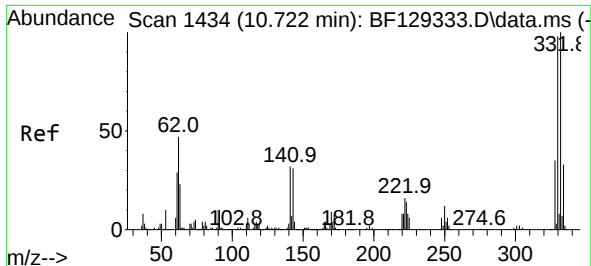
Tgt Ion:142 Resp: 53478
Ion Ratio Lower Upper
142 100
141 92.2 74.2 111.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

Tgt Ion:164 Resp: 192228
Ion Ratio Lower Upper
164 100
162 100.7 79.5 119.3
160 44.2 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 89.066 ng

RT: 10.710 min Scan# 1434

Delta R.T. -0.000 min

Lab File: BF129493.D

Acq: 02 Aug 2022 01:43

Instrument :

BNA_F

ClientSampleId :

OR-3-072922

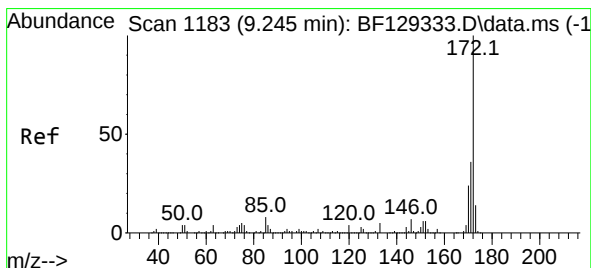
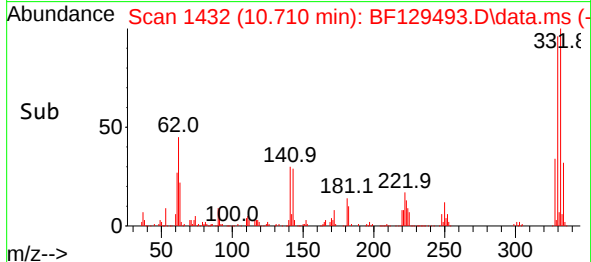
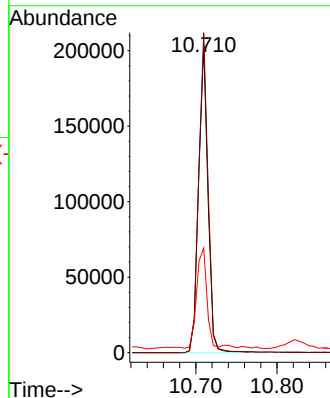
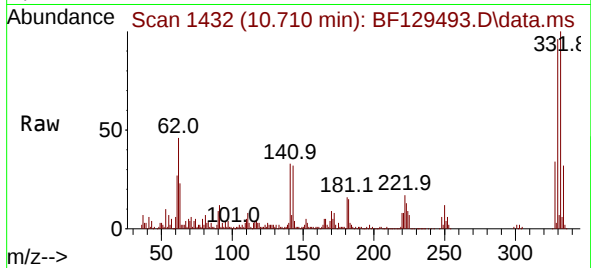
Tgt Ion:330 Resp: 164606

Ion Ratio Lower Upper

330 100

332 103.7 76.8 115.2

141 35.0 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 56.585 ng

RT: 9.233 min Scan# 1181

Delta R.T. -0.000 min

Lab File: BF129493.D

Acq: 02 Aug 2022 01:43

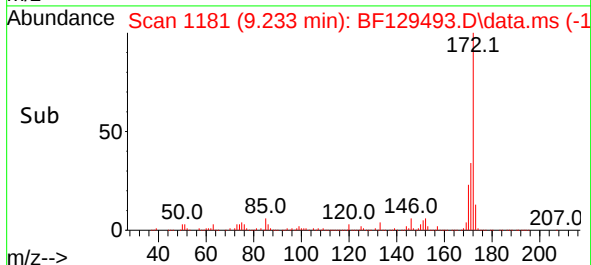
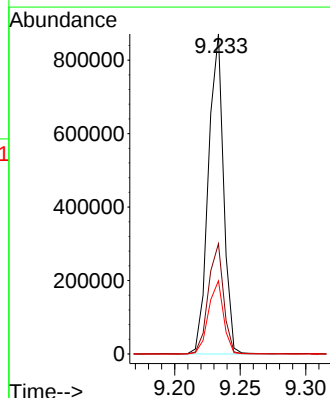
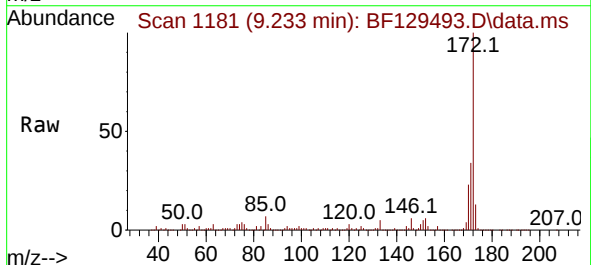
Tgt Ion:172 Resp: 703139

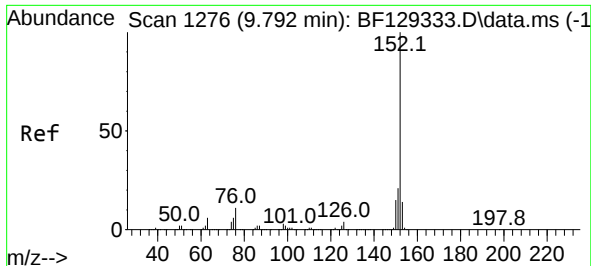
Ion Ratio Lower Upper

172 100

171 34.4 28.8 43.2

170 22.9 19.8 29.8





#49

Acenaphthylene

Concen: 15.064 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129493.D

Acq: 02 Aug 2022 01:43

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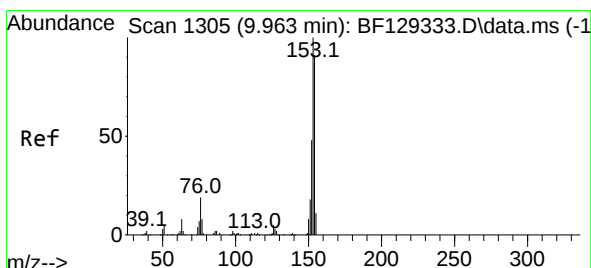
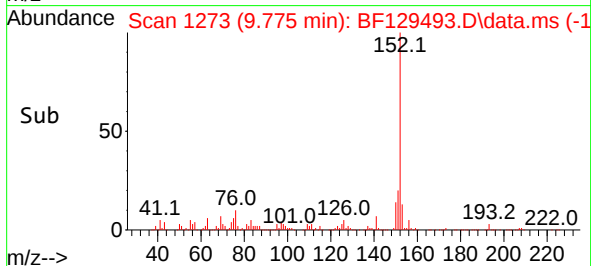
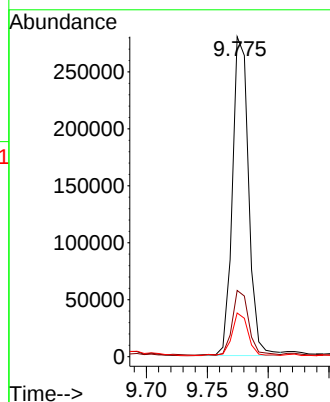
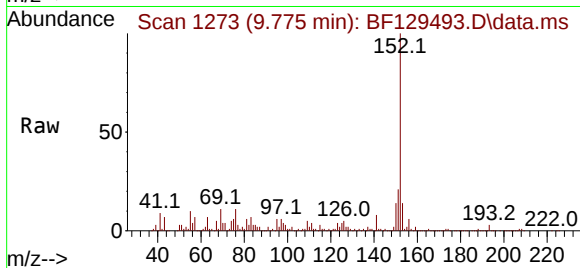
Tgt Ion:152 Resp: 259588

Ion Ratio Lower Upper

152 100

151 20.7 16.2 24.4

153 13.7 10.7 16.1



#52

Acenaphthene

Concen: 11.180 ng

RT: 9.945 min Scan# 1302

Delta R.T. -0.006 min

Lab File: BF129493.D

Acq: 02 Aug 2022 01:43

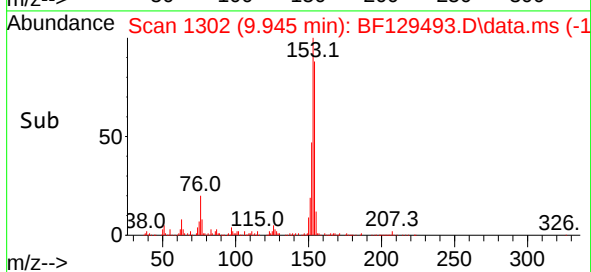
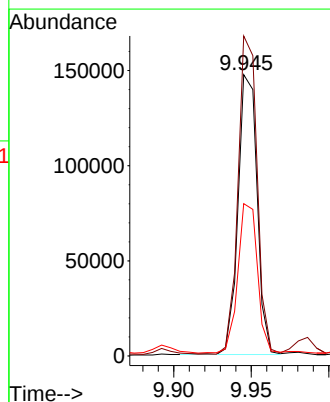
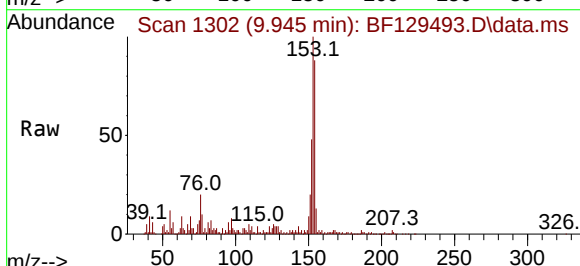
Tgt Ion:154 Resp: 125831

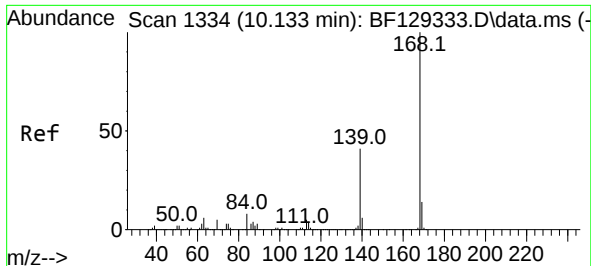
Ion Ratio Lower Upper

154 100

153 113.8 89.6 134.4

152 54.2 42.4 63.6





#55

Dibenzenofuran

Concen: 7.709 ng

RT: 10.122 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF129493.D

Acq: 02 Aug 2022 01:43

Instrument :

BNA_F

ClientSampleId :

OR-3-072922

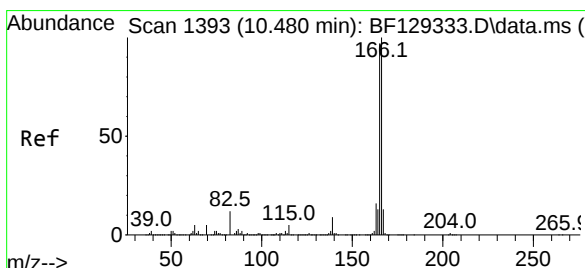
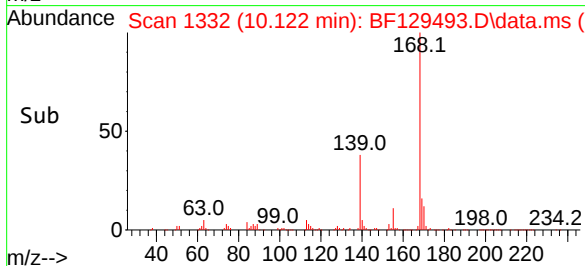
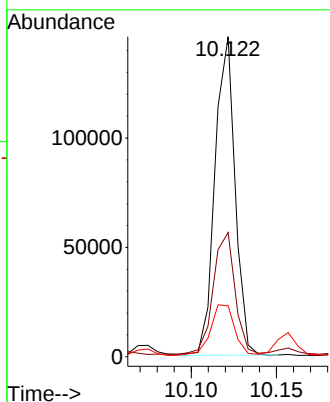
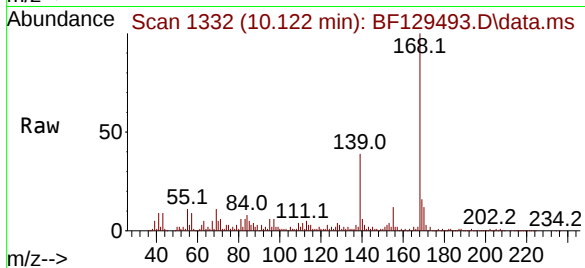
Tgt Ion:168 Resp: 119602

Ion Ratio Lower Upper

168 100

139 38.8 30.6 46.0

169 15.9 11.0 16.6



#58

Fluorene

Concen: 16.605 ng

RT: 10.463 min Scan# 1390

Delta R.T. -0.006 min

Lab File: BF129493.D

Acq: 02 Aug 2022 01:43

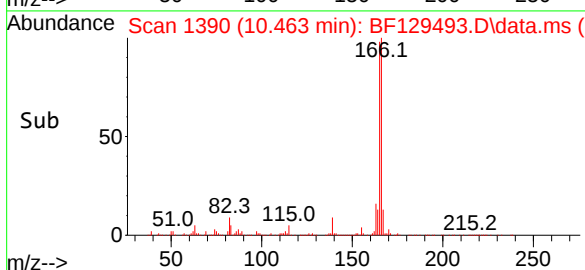
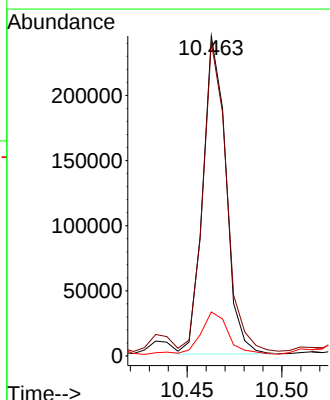
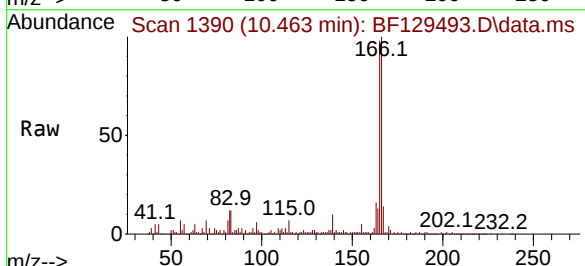
Tgt Ion:166 Resp: 206143

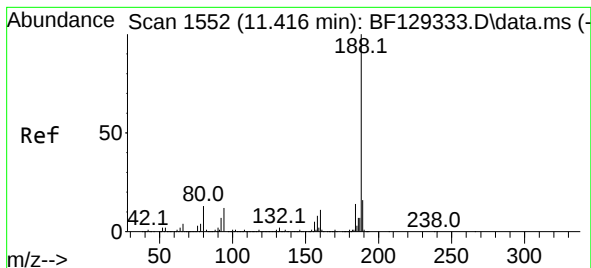
Ion Ratio Lower Upper

166 100

165 98.2 78.1 117.1

167 13.7 10.5 15.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF129493.D

Acq: 02 Aug 2022 01:43

Instrument :

BNA_F

ClientSampleId :

OR-3-072922

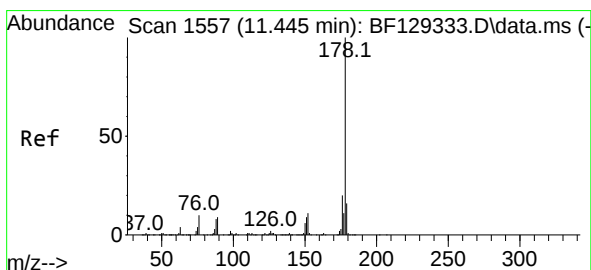
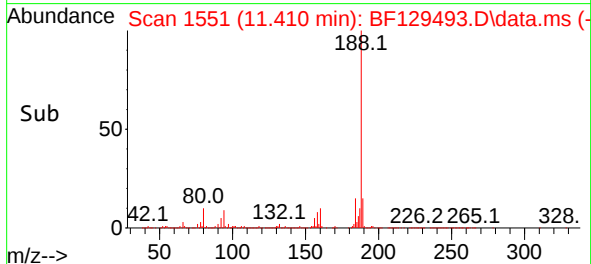
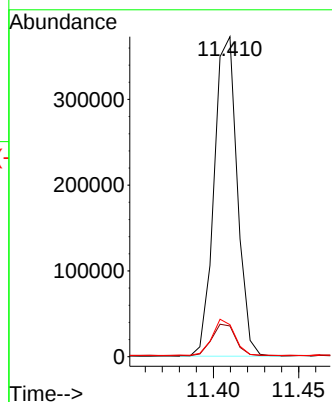
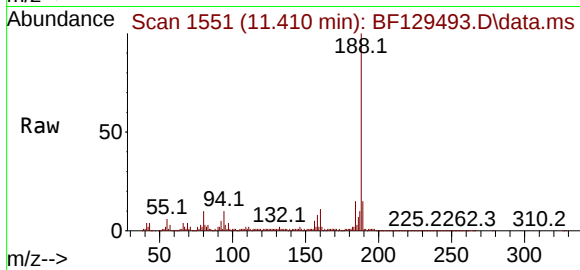
Tgt Ion:188 Resp: 351921

Ion Ratio Lower Upper

188 100

94 9.6 7.0 10.6

80 10.0 7.6 11.4



#71

Phenanthrene

Concen: 74.684 ng

RT: 11.433 min Scan# 1555

Delta R.T. -0.000 min

Lab File: BF129493.D

Acq: 02 Aug 2022 01:43

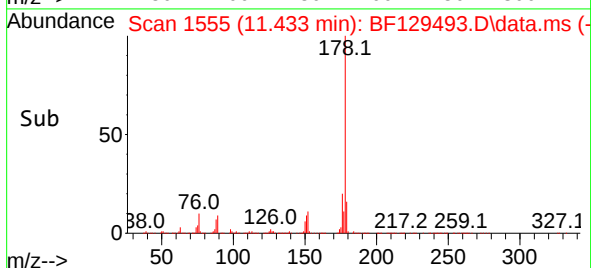
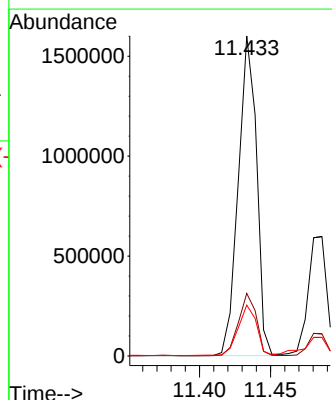
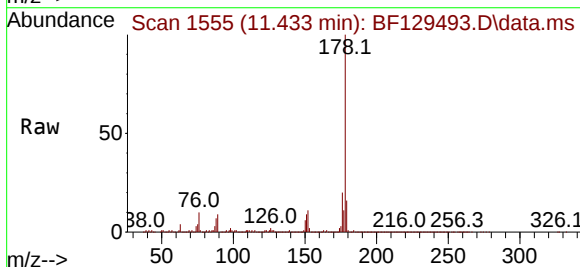
Tgt Ion:178 Resp: 1434705

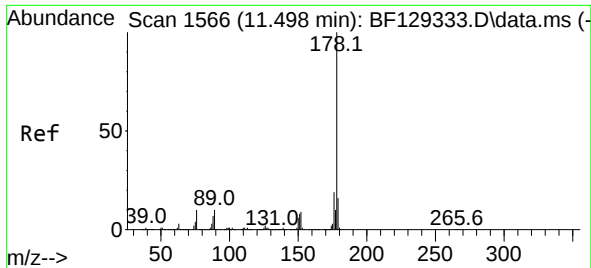
Ion Ratio Lower Upper

178 100

176 19.5 16.0 24.0

179 15.9 12.6 19.0

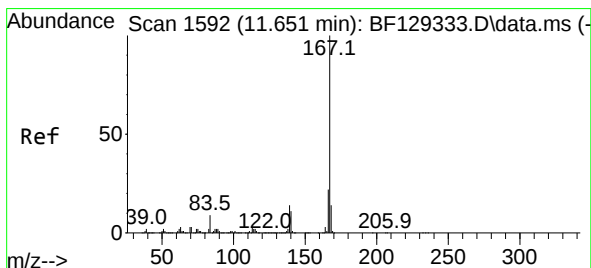
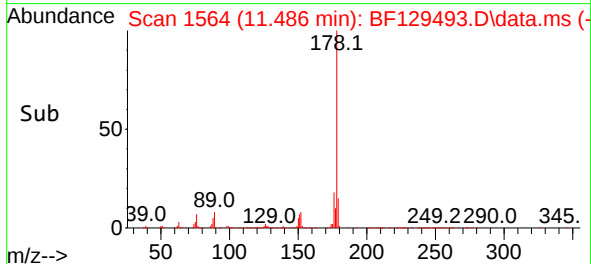
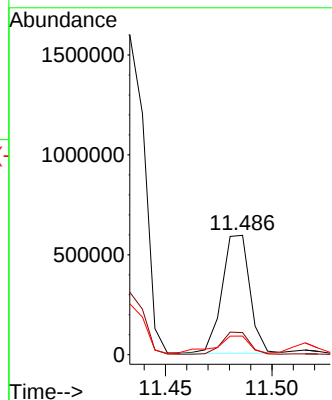
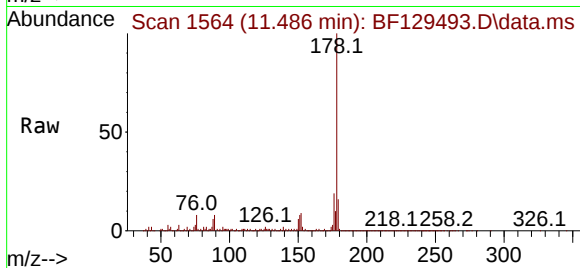




#72
 Anthracene
 Concen: 28.485 ng
 RT: 11.486 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF129493.D
 Acq: 02 Aug 2022 01:43

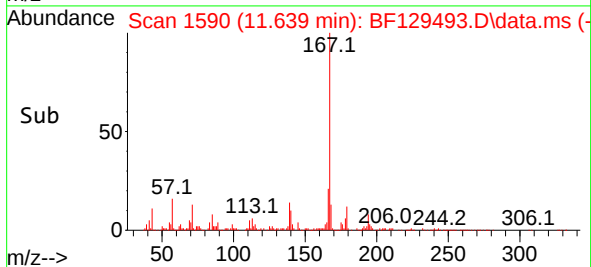
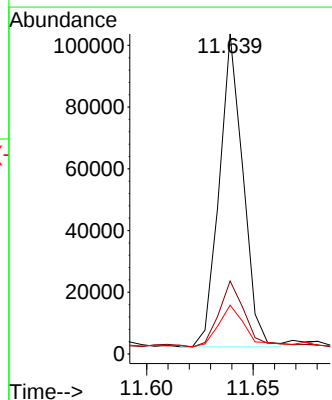
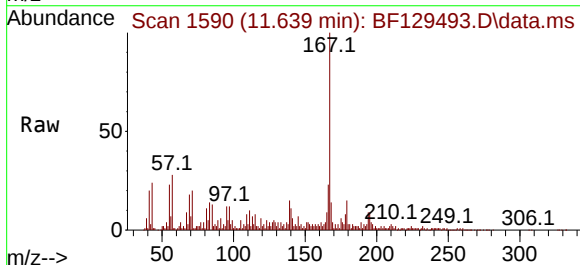
Instrument :
 BNA_F
 ClientSampleId :
 OR-3-072922

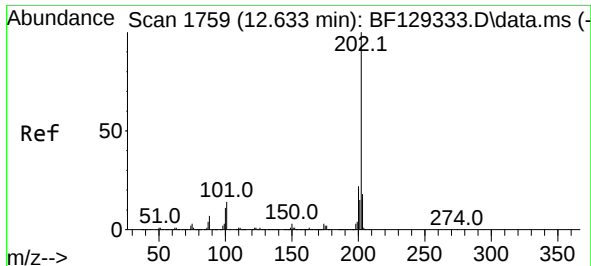
Tgt Ion:178 Resp: 537744
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.2
 179 15.5 12.6 19.0



#73
 Carbazole
 Concen: 4.424 ng
 RT: 11.639 min Scan# 1590
 Delta R.T. -0.000 min
 Lab File: BF129493.D
 Acq: 02 Aug 2022 01:43

Tgt Ion:167 Resp: 78611
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.7 26.5
 139 15.3 11.2 16.8

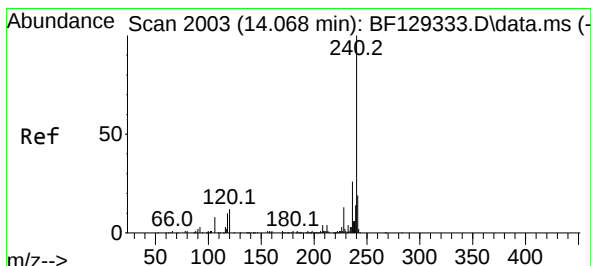
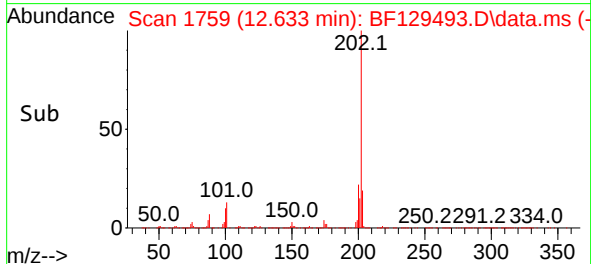
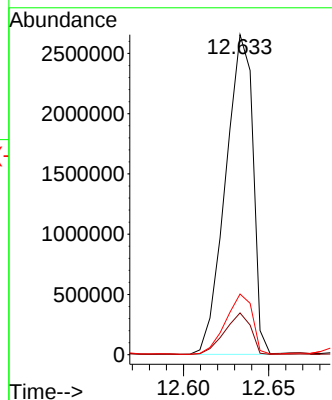
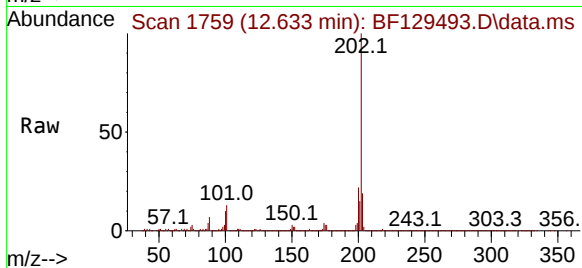




#75
Fluoranthene
Concen: 152.163 ng
RT: 12.633 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

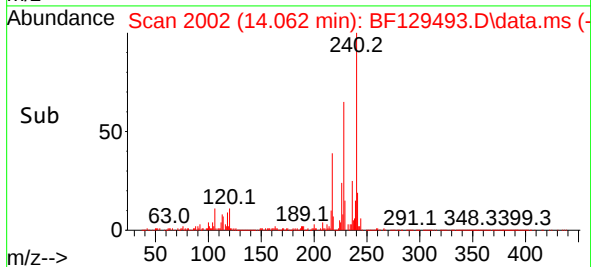
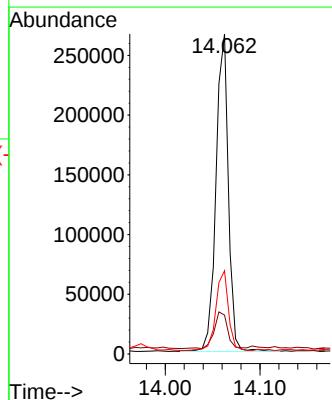
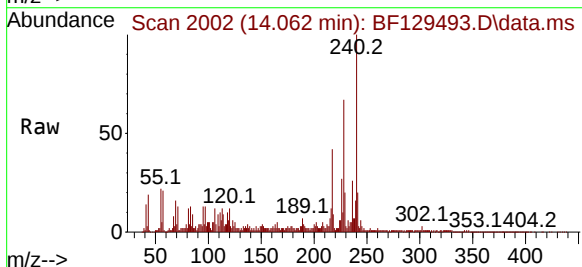
Instrument :
BNA_F
ClientSampleId :
OR-3-072922

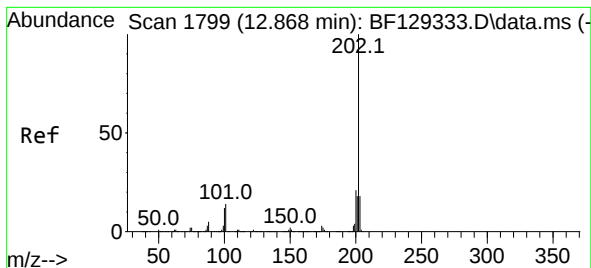
Tgt Ion:202 Resp: 2961772
Ion Ratio Lower Upper
202 100
101 13.1 0.0 31.4
203 18.9 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2002
Delta R.T. 0.012 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

Tgt Ion:240 Resp: 240676
Ion Ratio Lower Upper
240 100
120 12.2 8.9 13.3
236 26.0 20.8 31.2





#78

Pyrene

Concen: 132.685 ng

RT: 12.868 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF129493.D

Acq: 02 Aug 2022 01:43

Instrument :

BNA_F

ClientSampleId :

OR-3-072922

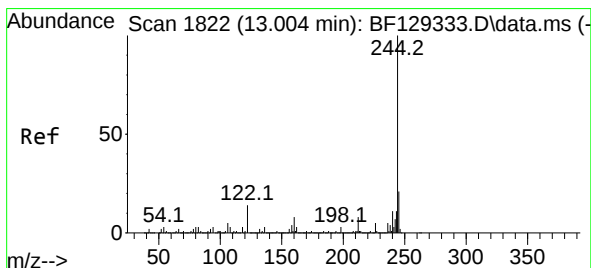
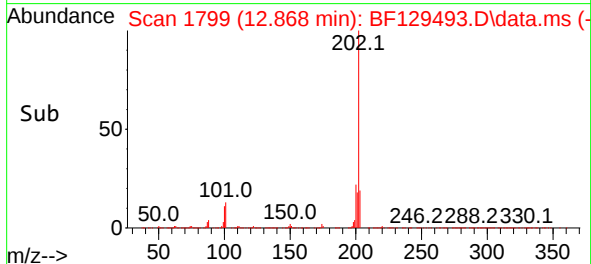
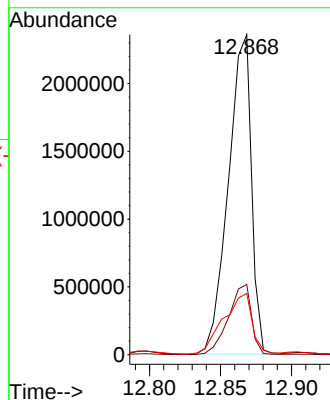
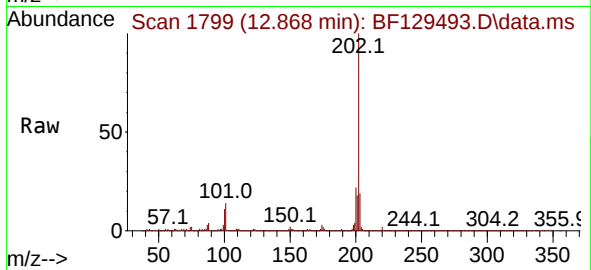
Tgt Ion:202 Resp: 2670412

Ion Ratio Lower Upper

202 100

200 21.9 17.7 26.5

203 19.2 14.6 21.8



#79

Terphenyl-d14

Concen: 67.503 ng

RT: 12.992 min Scan# 1820

Delta R.T. 0.006 min

Lab File: BF129493.D

Acq: 02 Aug 2022 01:43

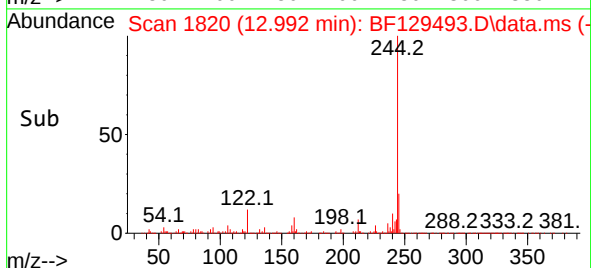
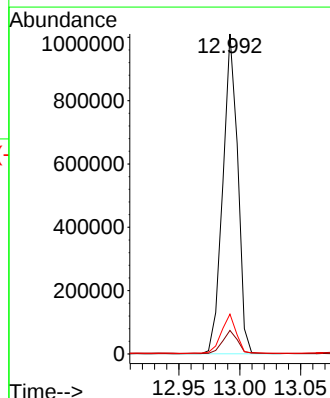
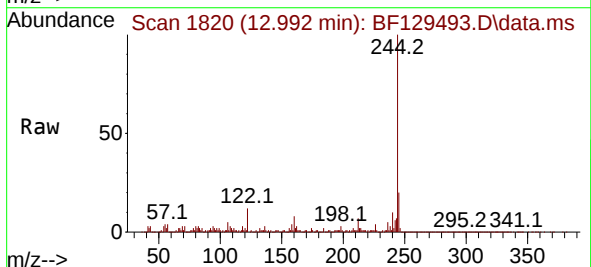
Tgt Ion:244 Resp: 861151

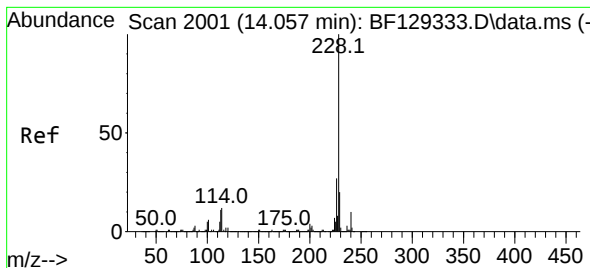
Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

122 12.5 8.8 13.2





#81

Benzo(a)anthracene

Concen: 79.689 ng

RT: 14.051 min Scan# 2000

Delta R.T. 0.012 min

Lab File: BF129493.D

Acq: 02 Aug 2022 01:43

Instrument :

BNA_F

ClientSampleId :

OR-3-072922

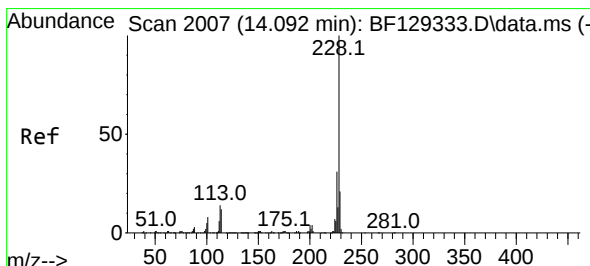
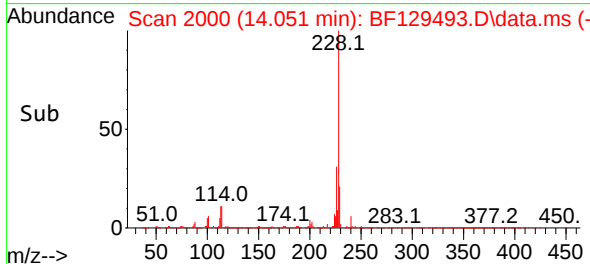
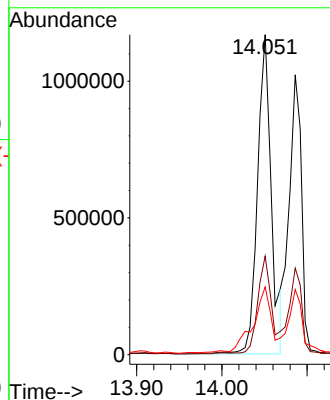
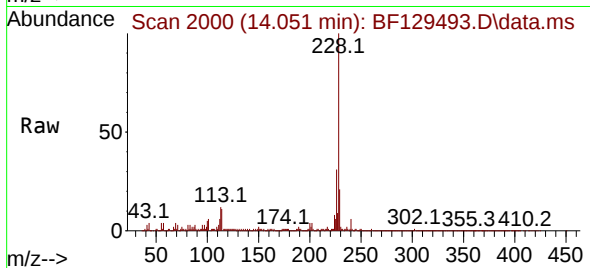
Tgt Ion:228 Resp: 1310135

Ion Ratio Lower Upper

228 100

226 30.8 22.1 33.1

229 21.2 15.8 23.8



#83

Chrysene

Concen: 65.993 ng

RT: 14.086 min Scan# 2006

Delta R.T. 0.012 min

Lab File: BF129493.D

Acq: 02 Aug 2022 01:43

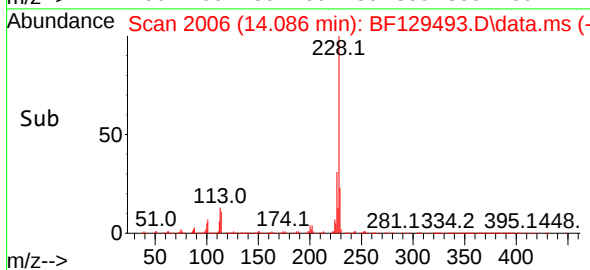
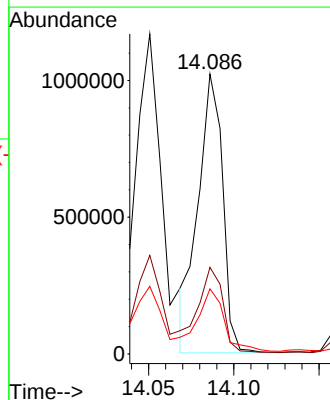
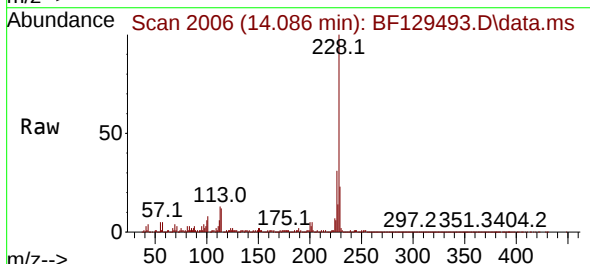
Tgt Ion:228 Resp: 1022539

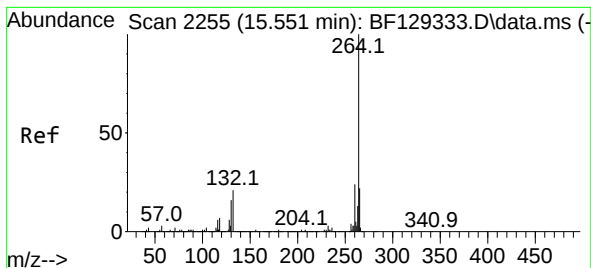
Ion Ratio Lower Upper

228 100

226 30.9 24.3 36.5

229 23.3 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF129493.D

Acq: 02 Aug 2022 01:43

Instrument :

BNA_F

ClientSampleId :

OR-3-072922

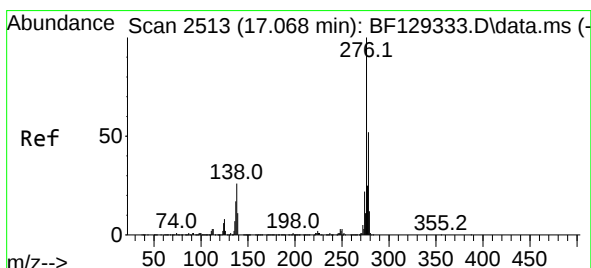
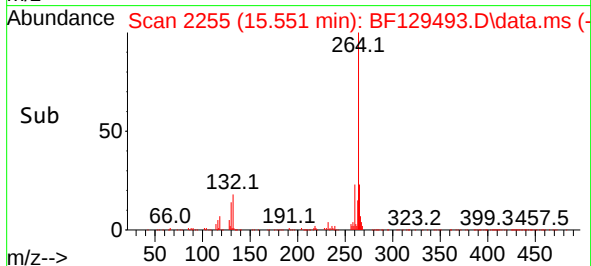
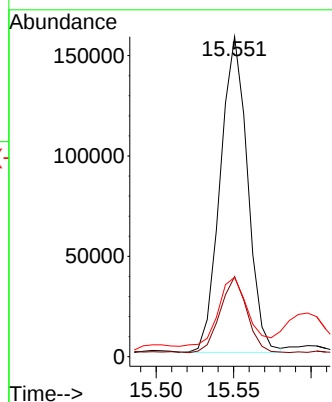
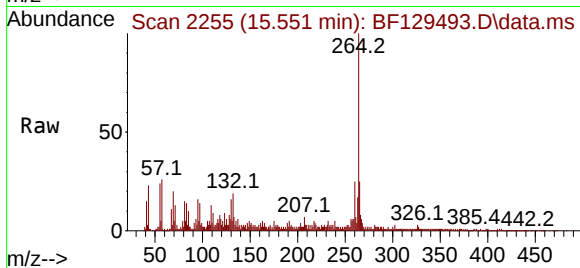
Tgt Ion:264 Resp: 192622

Ion Ratio Lower Upper

264 100

260 25.0 18.4 27.6

265 24.8 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 42.774 ng

RT: 17.062 min Scan# 2512

Delta R.T. 0.029 min

Lab File: BF129493.D

Acq: 02 Aug 2022 01:43

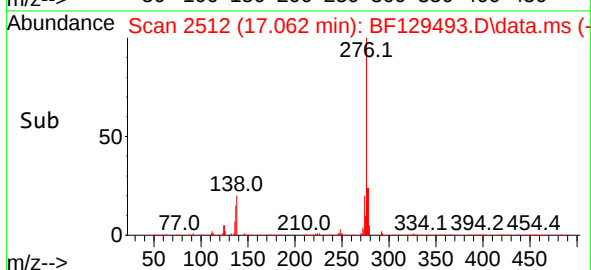
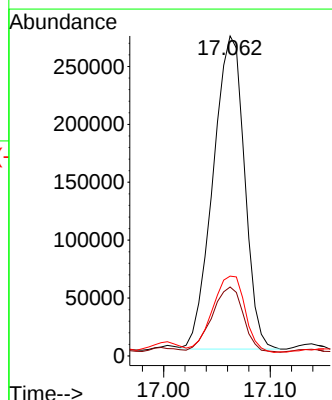
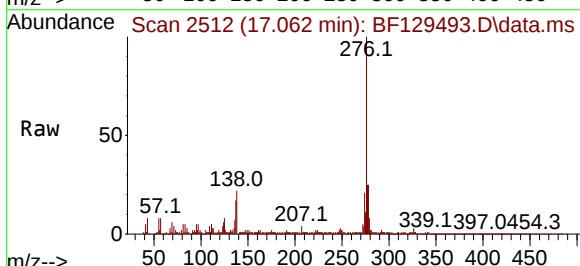
Tgt Ion:276 Resp: 554841

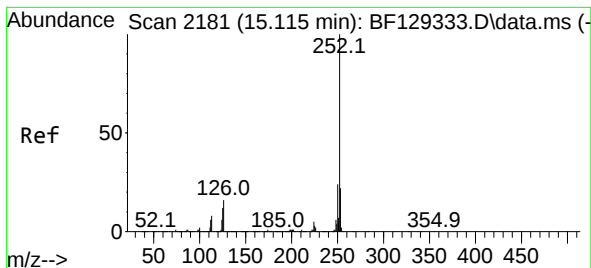
Ion Ratio Lower Upper

276 100

138 20.8 21.1 31.7#

277 25.3 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 130.261 ng

RT: 15.115 min Scan# 2181

Delta R.T. 0.023 min

Lab File: BF129493.D

Acq: 02 Aug 2022 01:43

Instrument :

BNA_F

ClientSampleId :

OR-3-072922

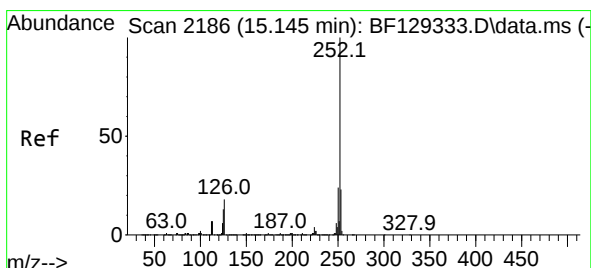
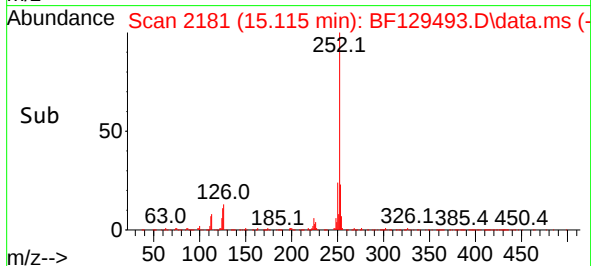
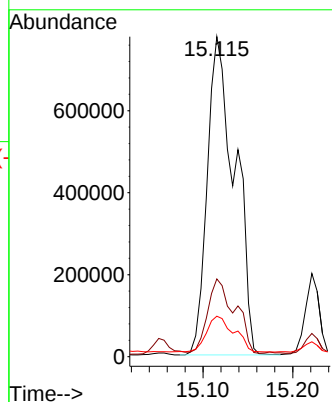
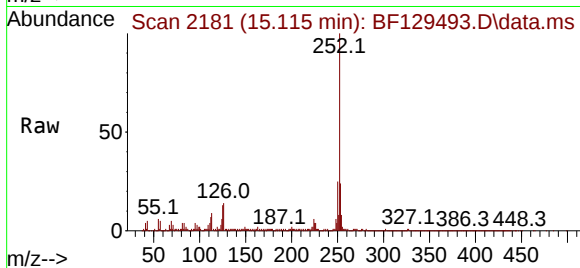
Tgt Ion:252 Resp: 1664377

Ion Ratio Lower Upper

252 100

253 24.3 17.7 26.5

125 12.6 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 132.924 ng

RT: 15.115 min Scan# 2181

Delta R.T. -0.006 min

Lab File: BF129493.D

Acq: 02 Aug 2022 01:43

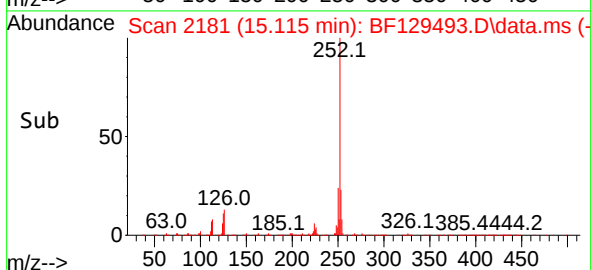
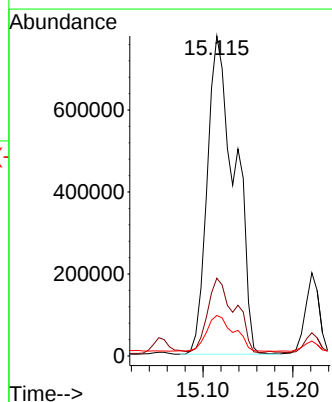
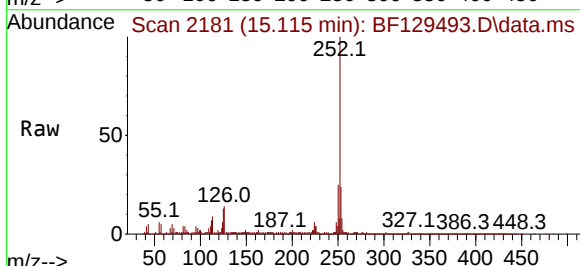
Tgt Ion:252 Resp: 1664377

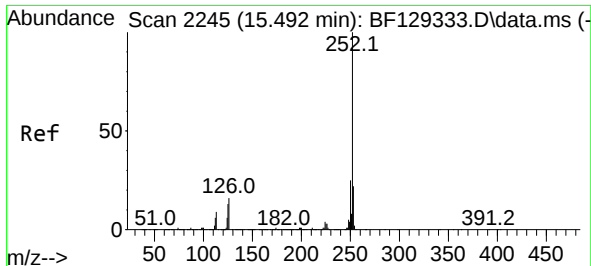
Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.6

125 12.6 8.3 12.5#

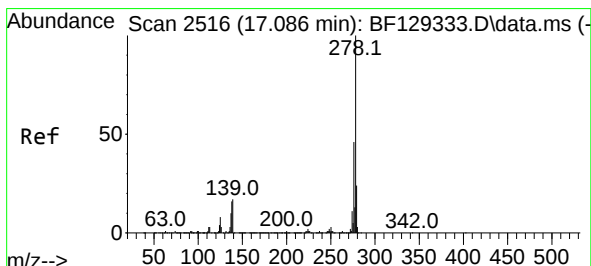
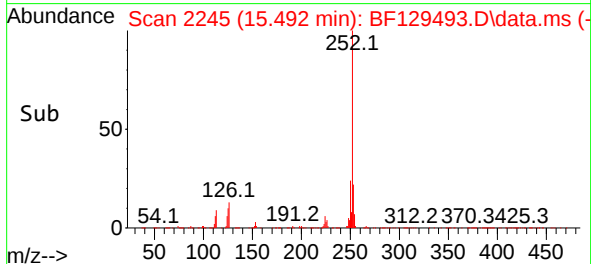
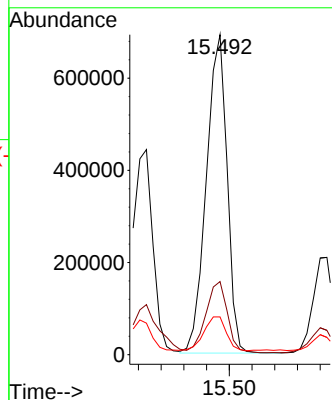
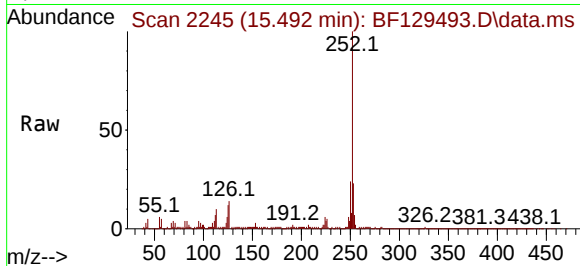




#90
Benzo(a)pyrene
Concen: 84.510 ng
RT: 15.492 min Scan# 211
Delta R.T. 0.023 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

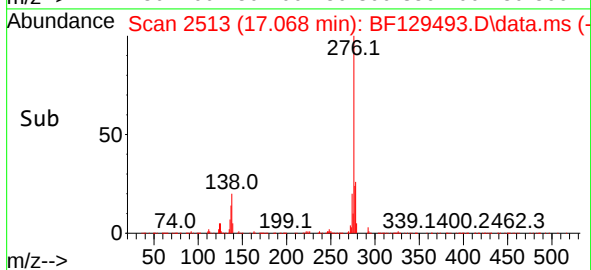
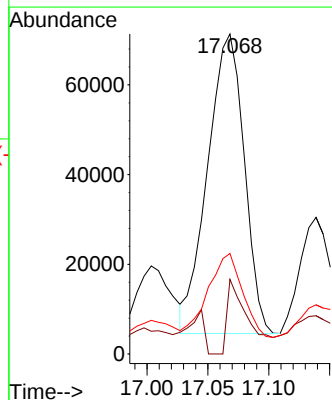
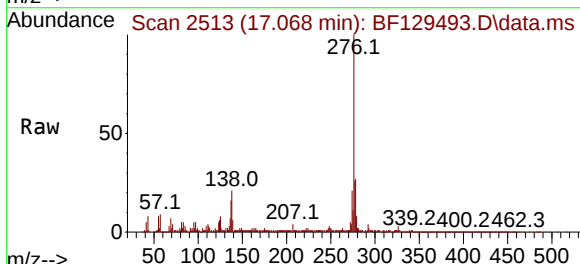
Instrument :
BNA_F
ClientSampleId :
OR-3-072922

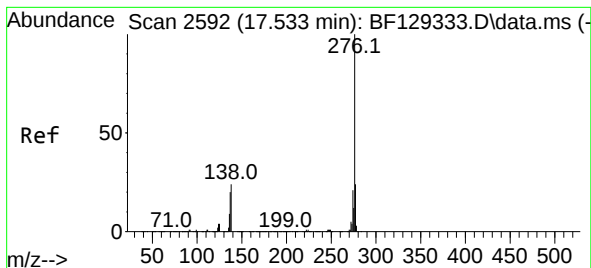
Tgt Ion:252 Resp: 876552
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.6
125 11.8 8.8 13.2



#91
Dibenzo(a,h)anthracene
Concen: 13.252 ng
RT: 17.068 min Scan# 2513
Delta R.T. 0.023 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

Tgt Ion:278 Resp: 139913
Ion Ratio Lower Upper
278 100
139 23.3 12.8 19.2#
279 31.4 18.6 28.0#





#92

Benzo(g,h,i)perylene

Concen: 49.050 ng

RT: 17.527 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF129493.D

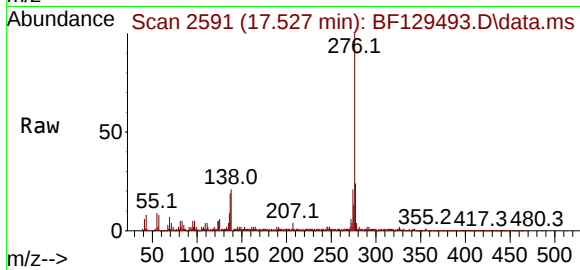
Acq: 02 Aug 2022 01:43

Instrument :

BNA_F

ClientSampleId :

OR-3-072922



Tgt Ion:276 Resp: 529156

Ion Ratio Lower Upper

276 100

277 23.5 19.1 28.7

138 21.3 18.0 27.0

