

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
 Data File : BF129492.D
 Acq On : 02 Aug 2022 01:12
 Operator : CG\JU
 Sample : N3979-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-072922

Quant Time: Aug 02 02:17:05 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)

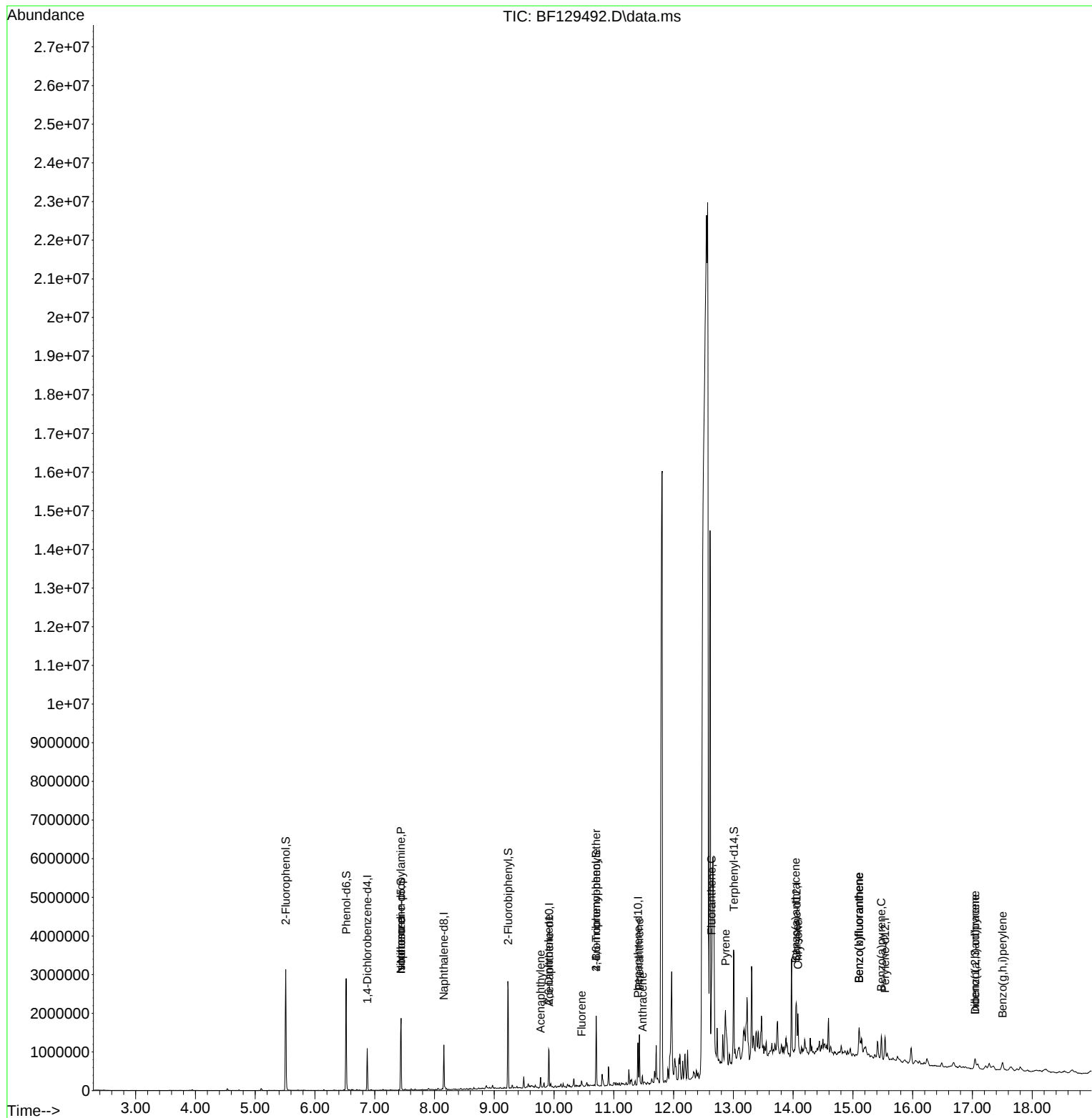
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	136047	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	445111	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	202260	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	366208	20.000	ng	0.00
76) Chrysene-d12	14.057	240	296302	20.000	ng	0.00
86) Perylene-d12	15.539	264	222338	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	801068	95.918	ng	0.00
7) Phenol-d6	6.522	99	888948	84.682	ng	0.00
23) Nitrobenzene-d5	7.440	82	534773	65.585	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	185529	95.408	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	824253	63.042	ng	0.00
79) Terphenyl-d14	13.010	244	1001839	63.788	ng	0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	72756	11.449	ng	# 75
25) Isophorone	7.440	82	533451	36.498	ng	# 65
49) Acenaphthylene	9.775	152	97296	5.366	ng	99
51) 2,6-Dinitrotoluene	9.910	165	27902	8.928	ng	# 26
58) Fluorene	10.463	166	34058	2.607	ng	94
67) 4-Bromophenyl-phenylether	10.704	248	11994	2.991	ng	# 1
71) Phenanthrene	11.428	178	411219	20.571	ng	98
72) Anthracene	11.481	178	93358	4.752	ng	99
75) Fluoranthene	12.634	202	738417	36.457	ng	99
78) Pyrene	12.869	202	840809	33.934	ng	97
81) Benzo(a)anthracene	14.045	228	381148	18.831	ng	94
83) Chrysene	14.080	228	377180	19.773	ng	96
87) Indeno(1,2,3-cd)pyrene	17.045	276	157267	10.504	ng	94
88) Benzo(b)fluoranthene	15.104	252	499769	33.886	ng	# 95
89) Benzo(k)fluoranthene	15.104	252	499769	34.579	ng	# 96
90) Benzo(a)pyrene	15.475	252	269052	22.473	ng	# 95
91) Dibenzo(a,h)anthracene	17.045	278	42939	3.524	ng	# 82
92) Benzo(g,h,i)perylene	17.504	276	163117	13.099	ng	98

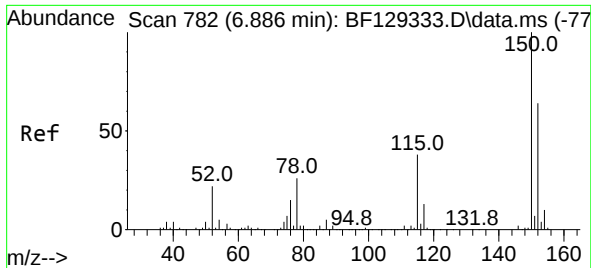
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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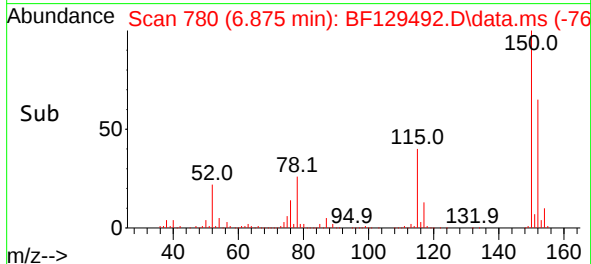
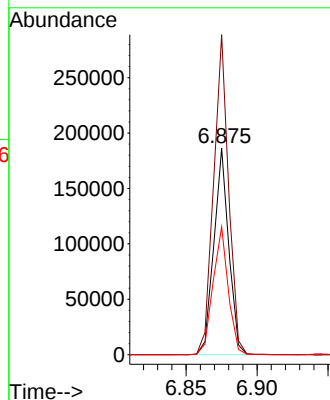
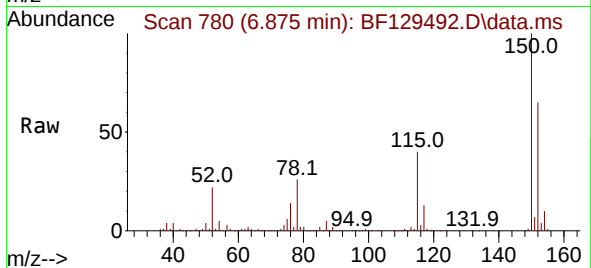




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: BF129492.D
 Acq: 02 Aug 2022 01:12

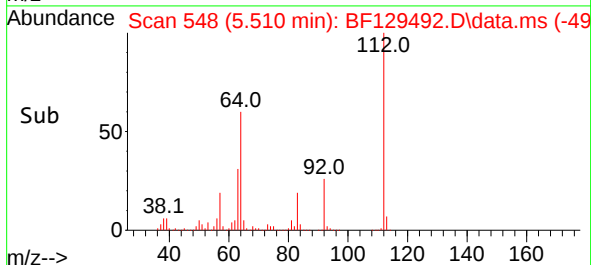
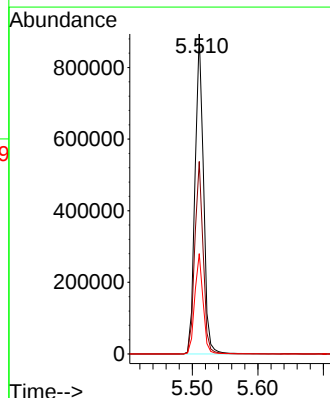
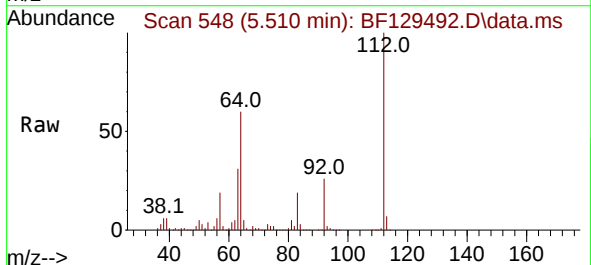
Instrument :
 BNA_F
 ClientSampleId :
 TR-06-072922

Tgt Ion:152 Resp: 136047
 Ion Ratio Lower Upper
 152 100
 150 154.9 123.7 185.5
 115 61.9 49.9 74.9



#5
 2-Fluorophenol
 Concen: 95.918 ng
 RT: 5.510 min Scan# 548
 Delta R.T. 0.006 min
 Lab File: BF129492.D
 Acq: 02 Aug 2022 01:12

Tgt Ion:112 Resp: 801068
 Ion Ratio Lower Upper
 112 100
 64 60.2 53.3 79.9
 63 31.3 28.0 42.0

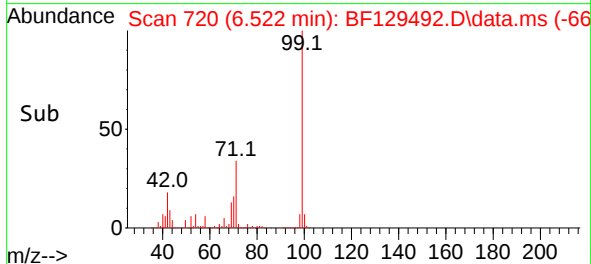
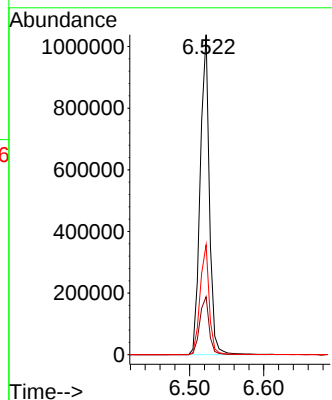
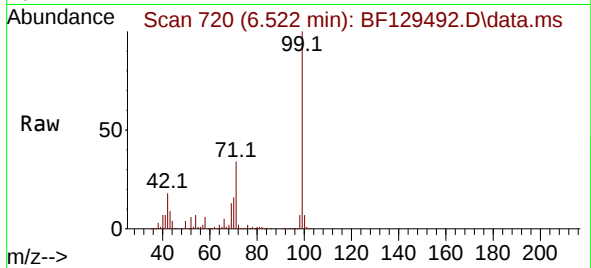




#7
Phenol-d6
Concen: 84.682 ng
RT: 6.522 min Scan# 719
Delta R.T. 0.000 min
Lab File: BF129492.D
Acq: 02 Aug 2022 01:12

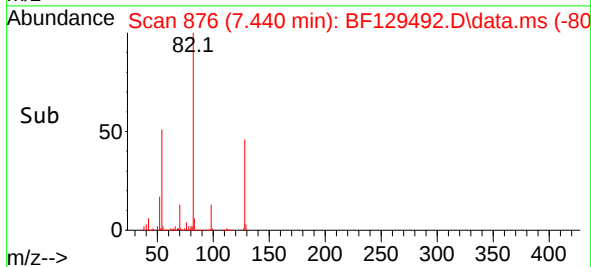
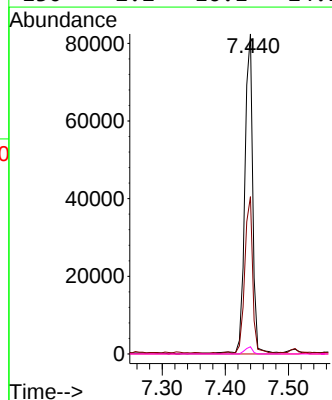
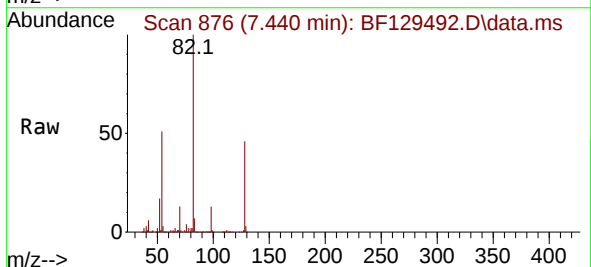
Instrument :
BNA_F
ClientSampleId :
TR-06-072922

Tgt Ion: 99 Resp: 888948
Ion Ratio Lower Upper
99 100
42 18.1 17.3 25.9
71 34.4 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 11.449 ng
RT: 7.440 min Scan# 876
Delta R.T. 0.147 min
Lab File: BF129492.D
Acq: 02 Aug 2022 01:12

Tgt Ion: 70 Resp: 72756
Ion Ratio Lower Upper
70 100
42 49.2 52.3 78.5#
101 0.0 7.5 11.3#
130 2.2 16.1 24.1#

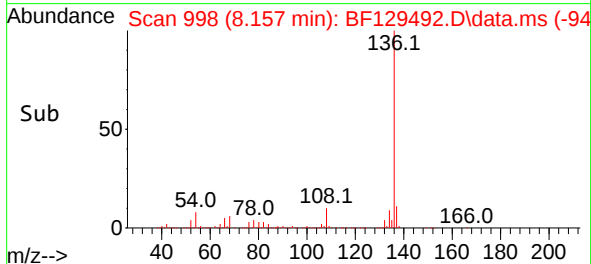
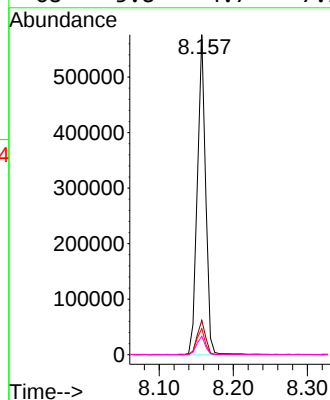
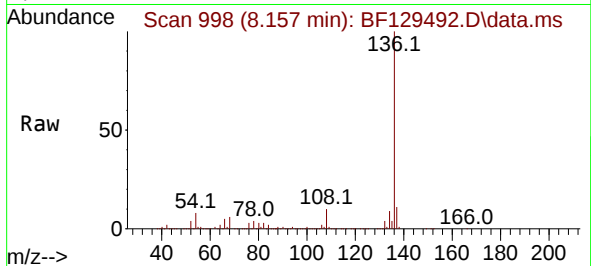




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF129492.D
Acq: 02 Aug 2022 01:12

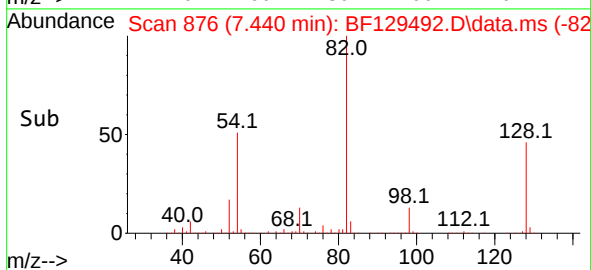
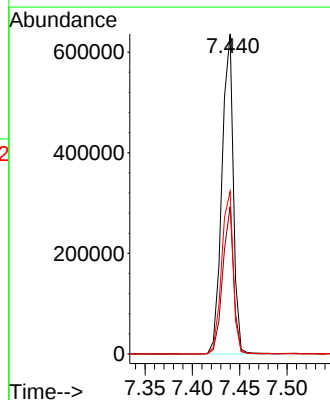
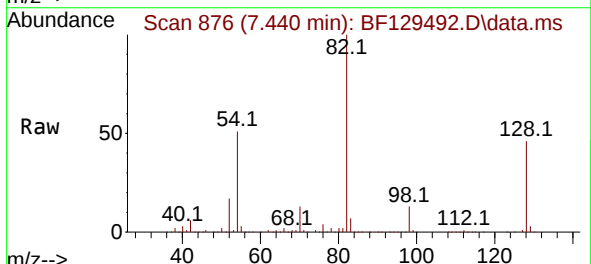
Instrument :
BNA_F
ClientSampleId :
TR-06-072922

Tgt Ion:136 Resp: 445111
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.1 7.5 11.3
68 5.8 4.7 7.1



#23
Nitrobenzene-d5
Concen: 65.585 ng
RT: 7.440 min Scan# 876
Delta R.T. -0.006 min
Lab File: BF129492.D
Acq: 02 Aug 2022 01:12

Tgt Ion: 82 Resp: 534773
Ion Ratio Lower Upper
82 100
128 46.1 34.0 51.0
54 50.8 46.9 70.3

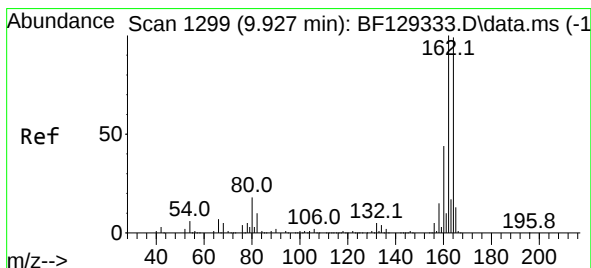
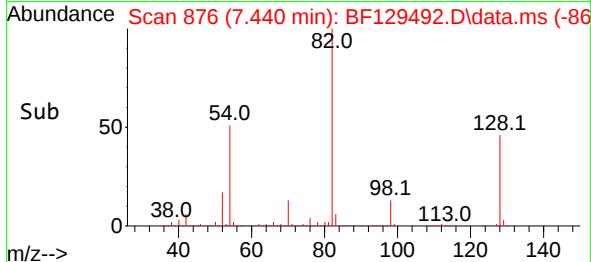
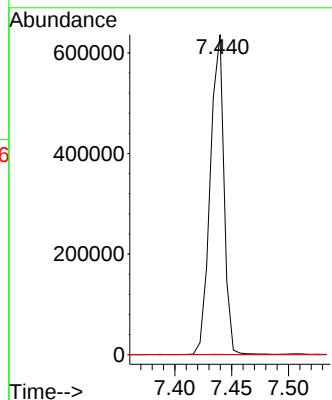
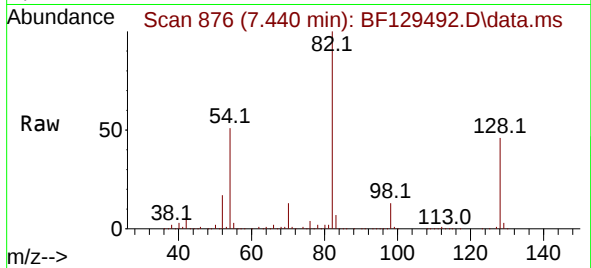




#25
Isophorone
Concen: 36.498 ng
RT: 7.440 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF129492.D
Acq: 02 Aug 2022 01:12

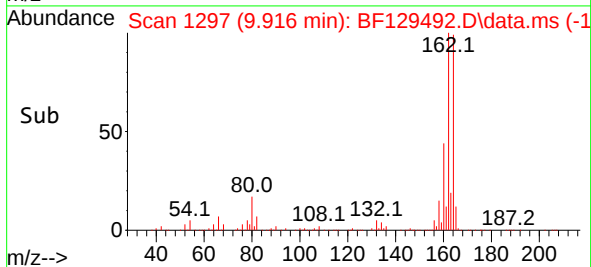
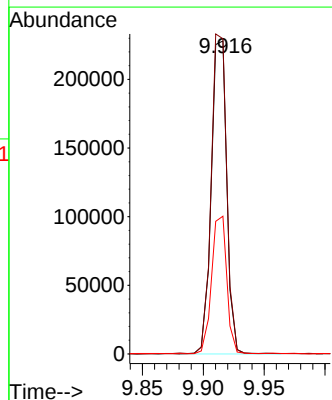
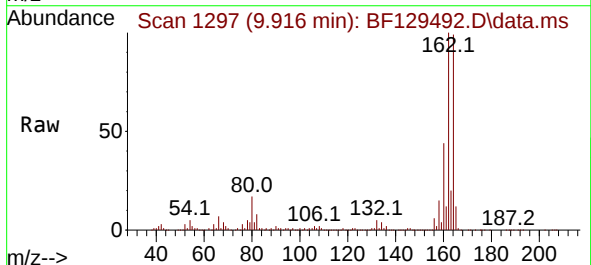
Instrument :
BNA_F
ClientSampleId :
TR-06-072922

Tgt Ion: 82 Resp: 533451
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1297
Delta R.T. 0.000 min
Lab File: BF129492.D
Acq: 02 Aug 2022 01:12

Tgt Ion:164 Resp: 202260
Ion Ratio Lower Upper
164 100
162 100.7 79.5 119.3
160 44.0 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 95.408 ng

RT: 10.704 min Scan# 1434

Delta R.T. -0.006 min

Lab File: BF129492.D

Acq: 02 Aug 2022 01:12

Instrument :

BNA_F

ClientSampleId :

TR-06-072922

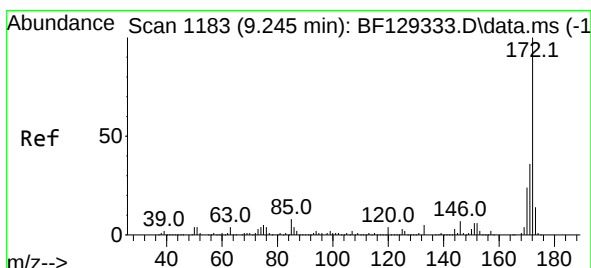
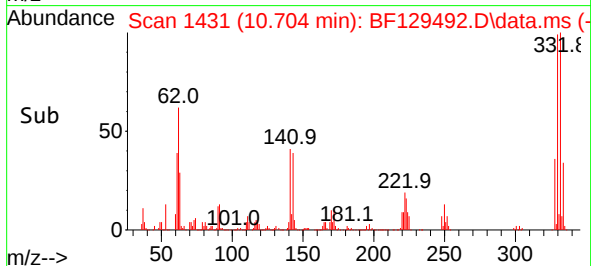
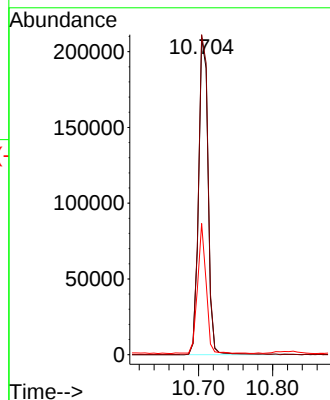
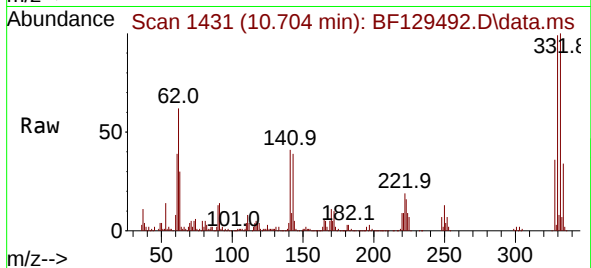
Tgt Ion:330 Resp: 185529

Ion Ratio Lower Upper

330 100

332 101.8 76.8 115.2

141 37.2 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 63.042 ng

RT: 9.234 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BF129492.D

Acq: 02 Aug 2022 01:12

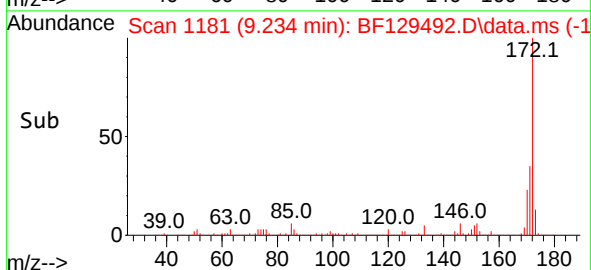
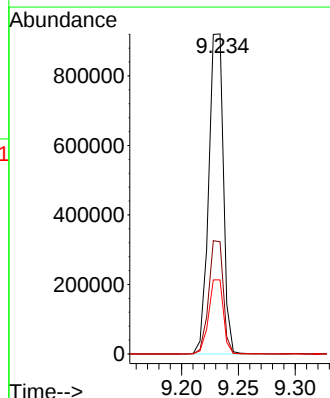
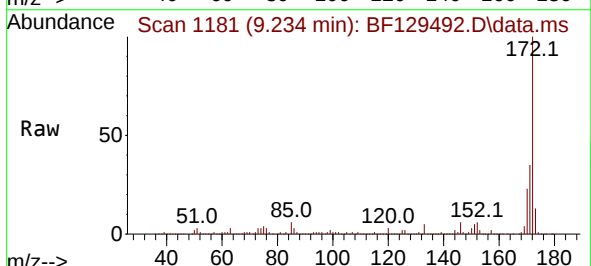
Tgt Ion:172 Resp: 824253

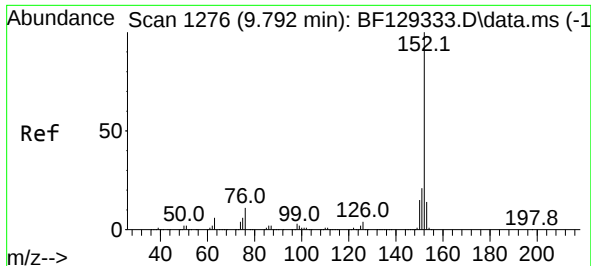
Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 23.2 19.8 29.8





#49

Acenaphthylene

Concen: 5.366 ng

RT: 9.775 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129492.D

Acq: 02 Aug 2022 01:12

Instrument :

BNA_F

ClientSampleId :

TR-06-072922

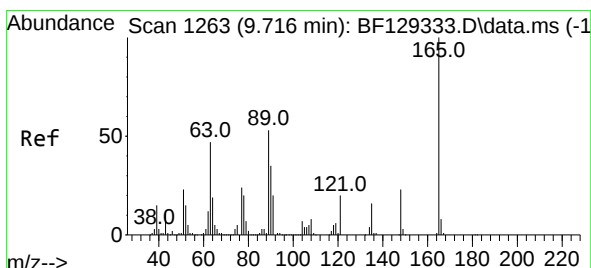
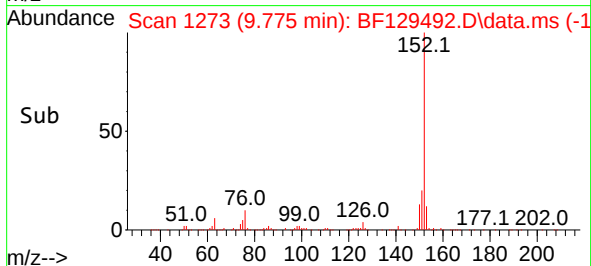
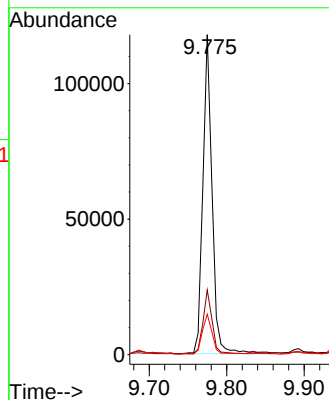
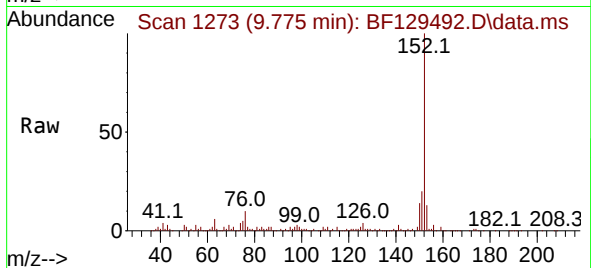
Tgt Ion:152 Resp: 97296

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.4

153 12.6 10.7 16.1



#51

2,6-Dinitrotoluene

Concen: 8.928 ng

RT: 9.910 min Scan# 1296

Delta R.T. 0.206 min

Lab File: BF129492.D

Acq: 02 Aug 2022 01:12

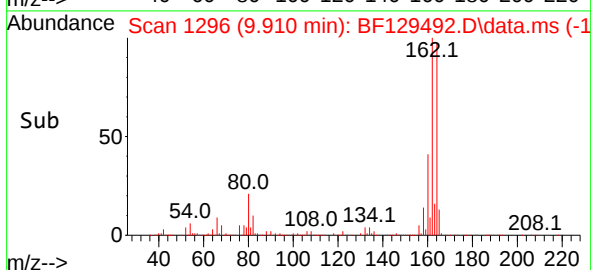
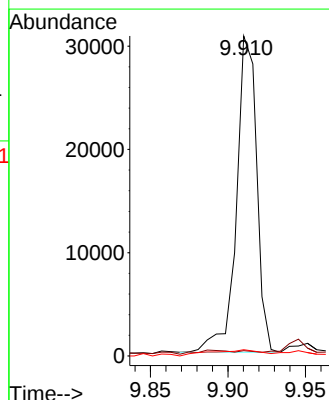
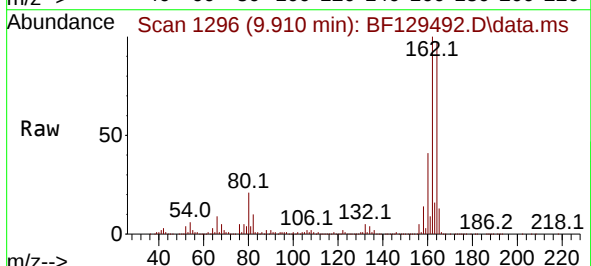
Tgt Ion:165 Resp: 27902

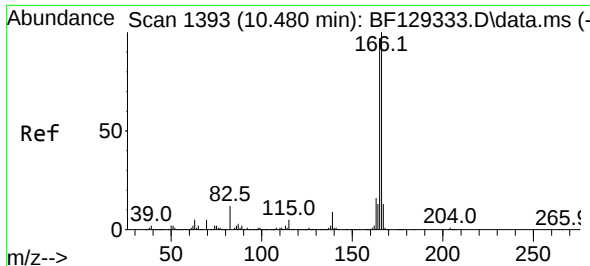
Ion Ratio Lower Upper

165 100

63 1.6 44.9 67.3#

89 1.9 43.6 65.4#

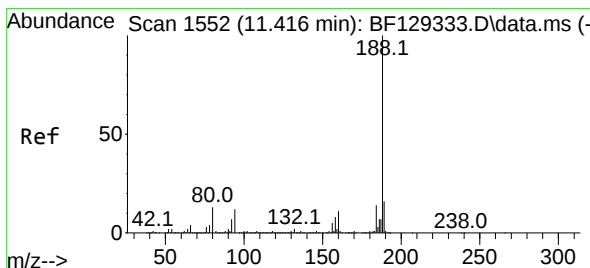
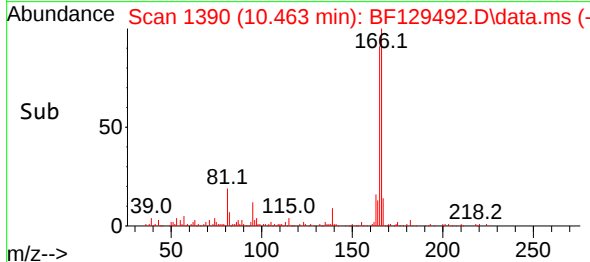
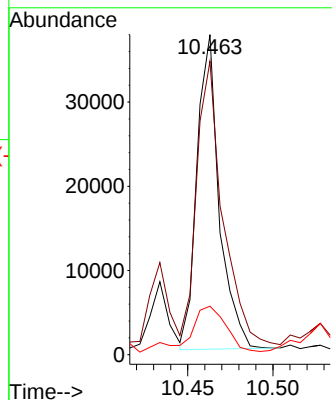
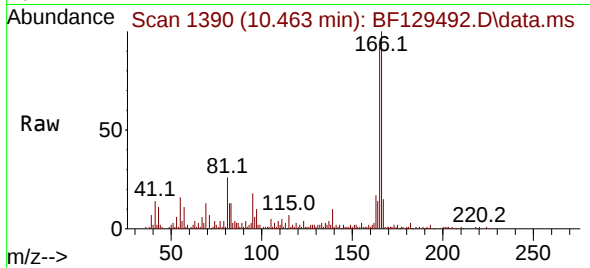




#58
 Fluorene
 Concen: 2.607 ng
 RT: 10.463 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129492.D
 Acq: 02 Aug 2022 01:12

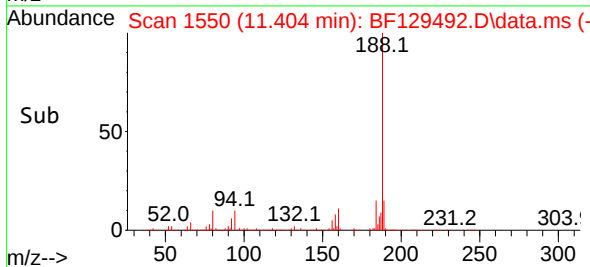
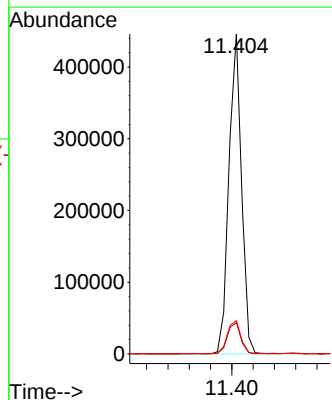
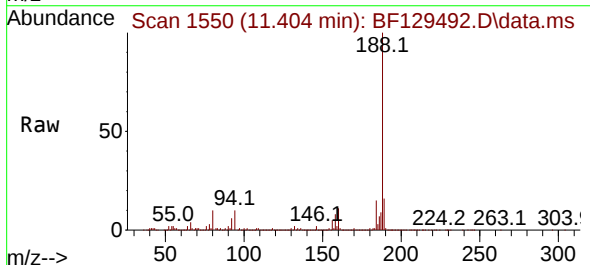
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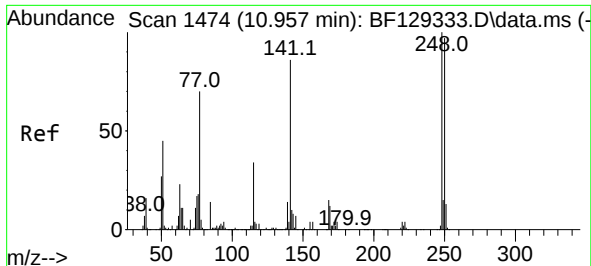
Tgt Ion:166 Resp: 34058
 Ion Ratio Lower Upper
 166 100
 165 91.7 78.1 117.1
 167 15.2 10.5 15.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.404 min Scan# 1550
 Delta R.T. 0.000 min
 Lab File: BF129492.D
 Acq: 02 Aug 2022 01:12

Tgt Ion:188 Resp: 366208
 Ion Ratio Lower Upper
 188 100
 94 9.8 7.0 10.6
 80 10.4 7.6 11.4

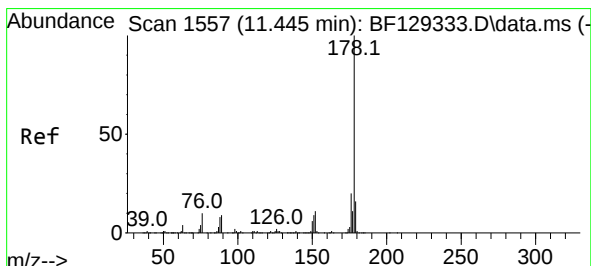
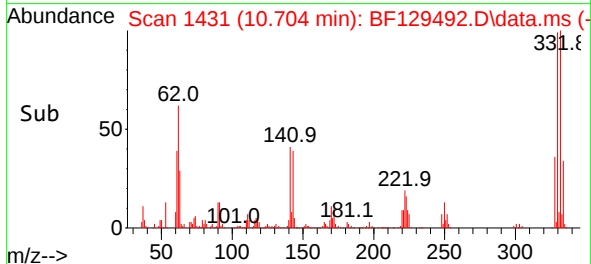
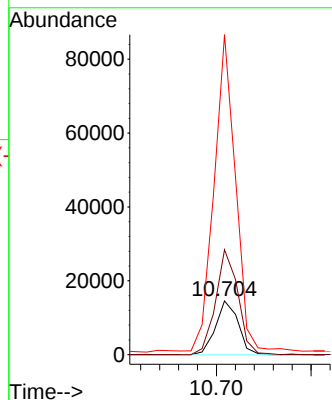
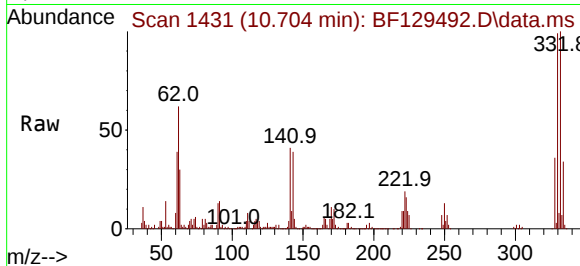




#67
4-Bromophenyl-phenylether
Concen: 2.991 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF129492.D
Acq: 02 Aug 2022 01:12

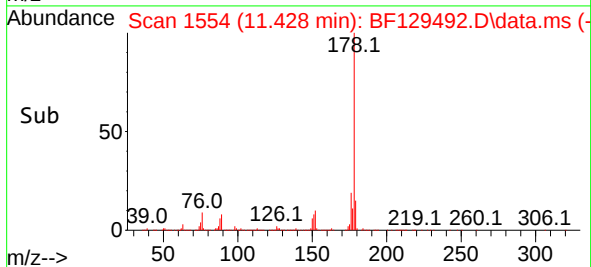
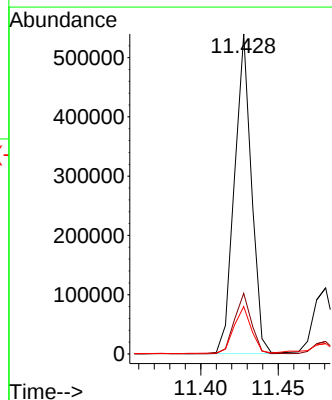
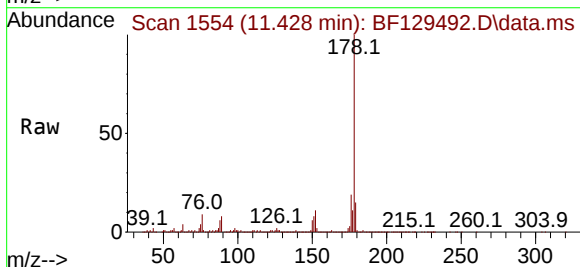
Instrument :
BNA_F
ClientSampleId :
TR-06-072922

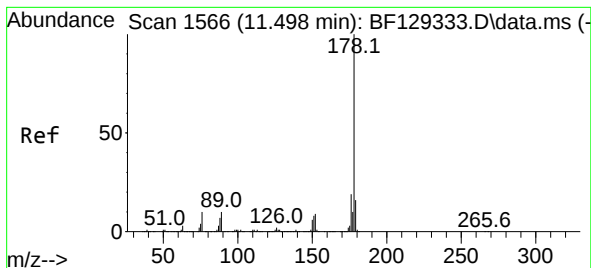
Tgt Ion:248 Resp: 11994
Ion Ratio Lower Upper
248 100
250 195.4 80.6 120.8#
141 595.9 58.9 88.3#



#71
Phenanthrene
Concen: 20.571 ng
RT: 11.428 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BF129492.D
Acq: 02 Aug 2022 01:12

Tgt Ion:178 Resp: 411219
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 14.8 12.6 19.0





#72

Anthracene

Concen: 4.752 ng

RT: 11.481 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF129492.D

Acq: 02 Aug 2022 01:12

Instrument :

BNA_F

ClientSampleId :

TR-06-072922

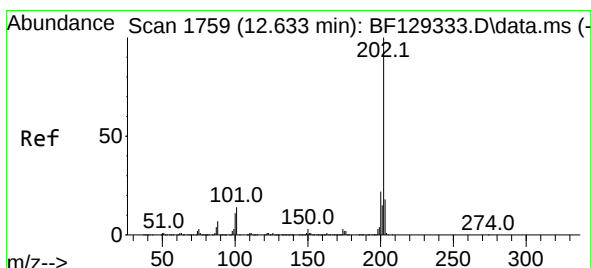
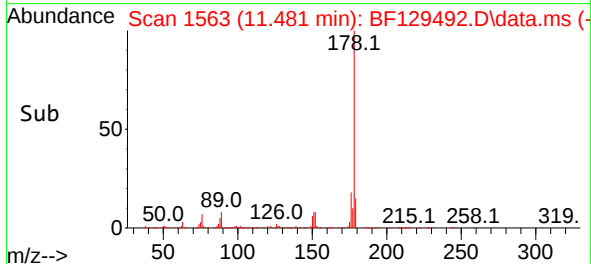
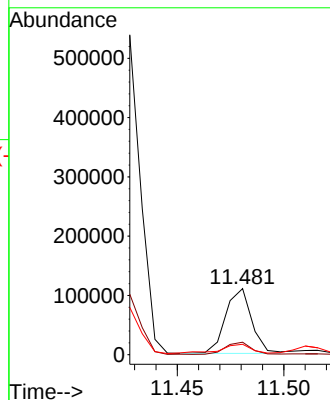
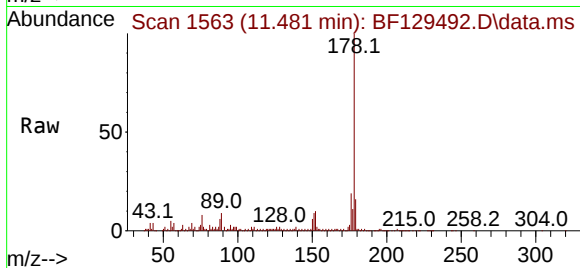
Tgt Ion:178 Resp: 93358

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

179 15.8 12.6 19.0



#75

Fluoranthene

Concen: 36.457 ng

RT: 12.634 min Scan# 1759

Delta R.T. 0.012 min

Lab File: BF129492.D

Acq: 02 Aug 2022 01:12

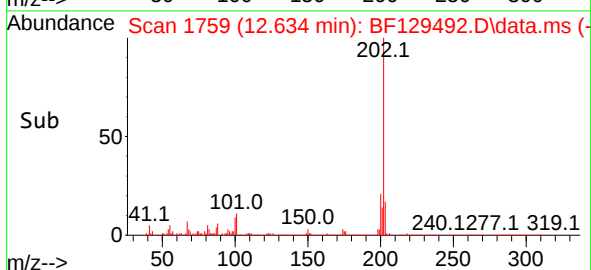
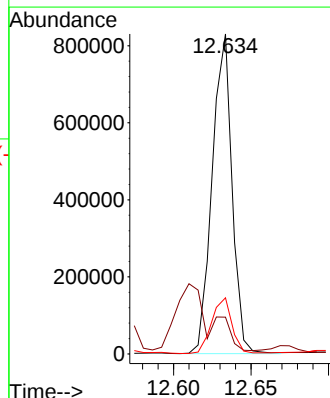
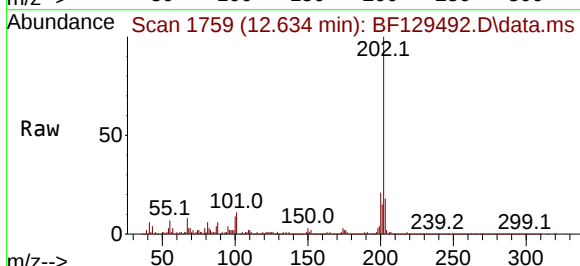
Tgt Ion:202 Resp: 738417

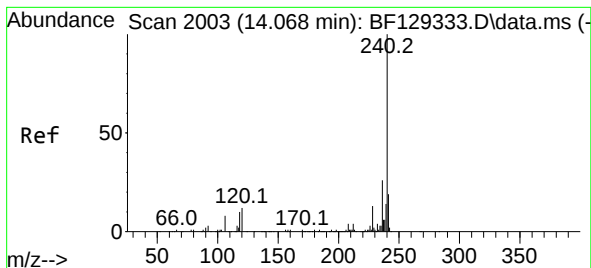
Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.4

203 17.6 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2003

Delta R.T. 0.006 min

Lab File: BF129492.D

Acq: 02 Aug 2022 01:12

Instrument :

BNA_F

ClientSampleId :

TR-06-072922

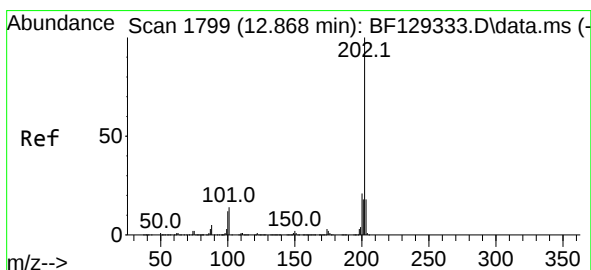
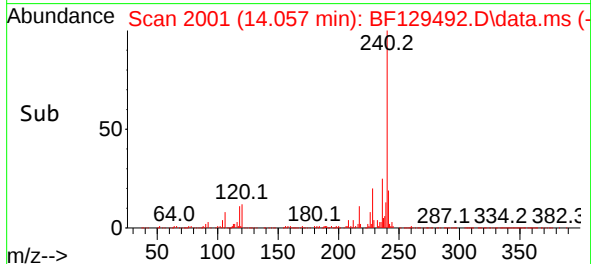
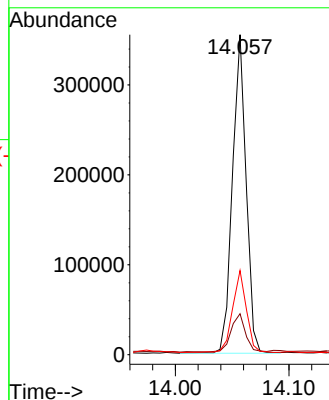
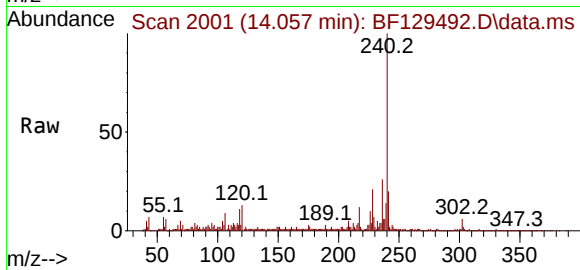
Tgt Ion:240 Resp: 296302

Ion Ratio Lower Upper

240 100

120 12.8 8.9 13.3

236 26.3 20.8 31.2



#78

Pyrene

Concen: 33.934 ng

RT: 12.869 min Scan# 1799

Delta R.T. 0.018 min

Lab File: BF129492.D

Acq: 02 Aug 2022 01:12

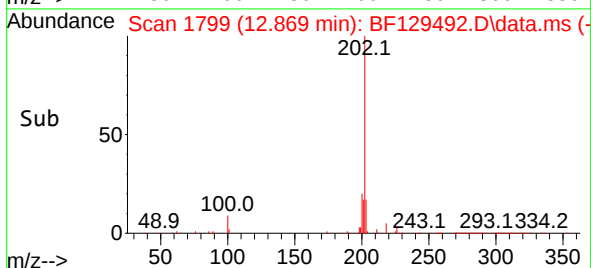
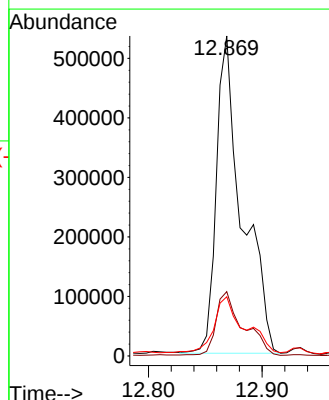
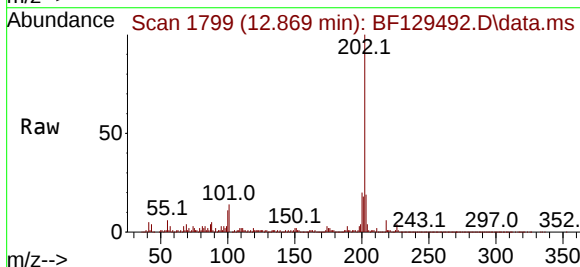
Tgt Ion:202 Resp: 840809

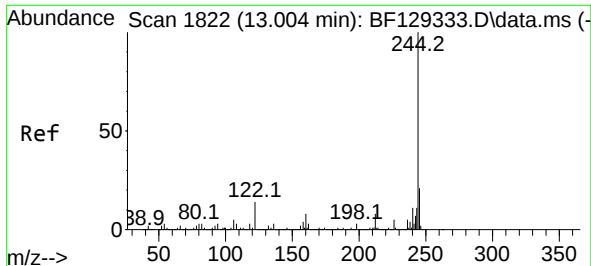
Ion Ratio Lower Upper

202 100

200 20.1 17.7 26.5

203 18.5 14.6 21.8

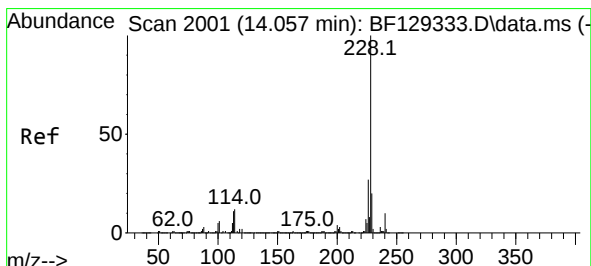
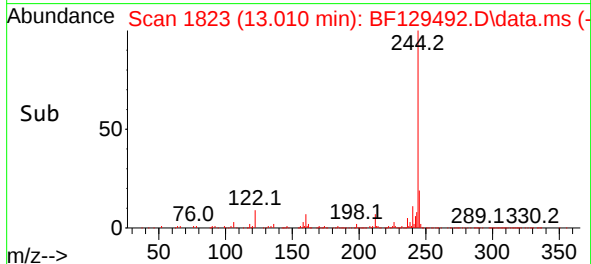
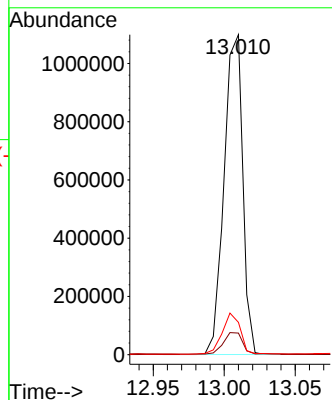
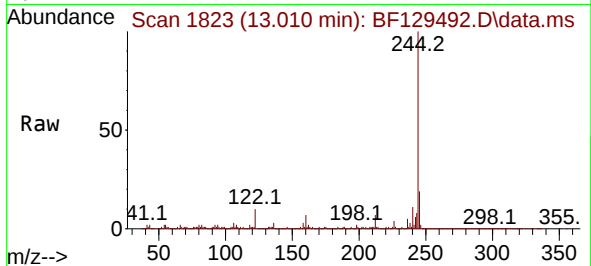




#79
 Terphenyl-d14
 Concen: 63.788 ng
 RT: 13.010 min Scan# 1823
 Delta R.T. 0.024 min
 Lab File: BF129492.D
 Acq: 02 Aug 2022 01:12

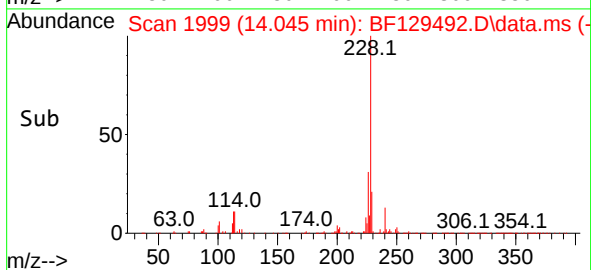
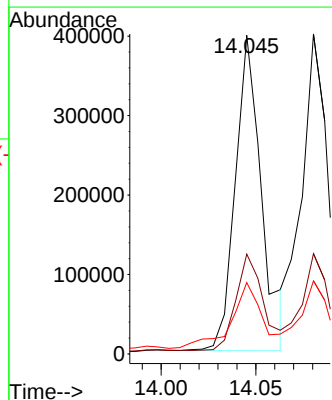
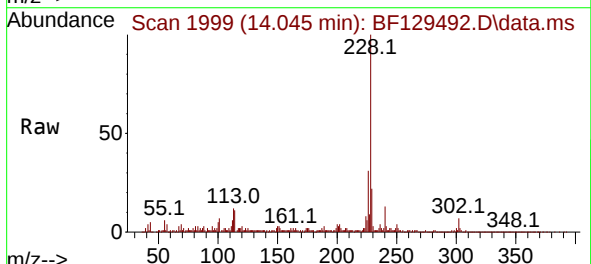
Instrument :
 BNA_F
 ClientSampleId :
 TR-06-072922

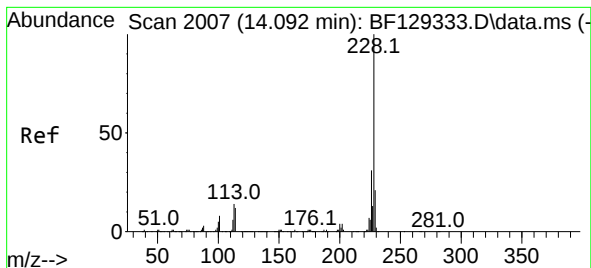
Tgt Ion:244 Resp: 1001839
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.1 9.1
 122 10.1 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 18.831 ng
 RT: 14.045 min Scan# 1999
 Delta R.T. 0.006 min
 Lab File: BF129492.D
 Acq: 02 Aug 2022 01:12

Tgt Ion:228 Resp: 381148
 Ion Ratio Lower Upper
 228 100
 226 31.3 22.1 33.1
 229 22.4 15.8 23.8





#83

Chrysene

Concen: 19.773 ng

RT: 14.080 min Scan# 2007

Delta R.T. 0.006 min

Lab File: BF129492.D

Acq: 02 Aug 2022 01:12

Instrument :

BNA_F

ClientSampleId :

TR-06-072922

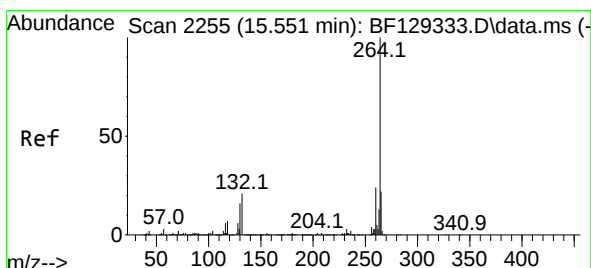
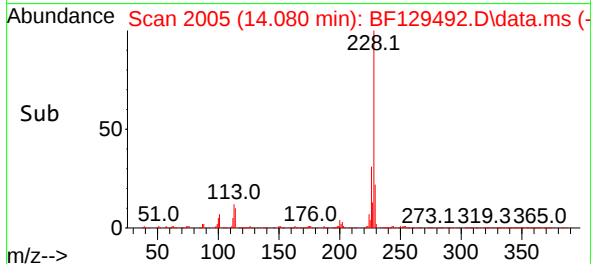
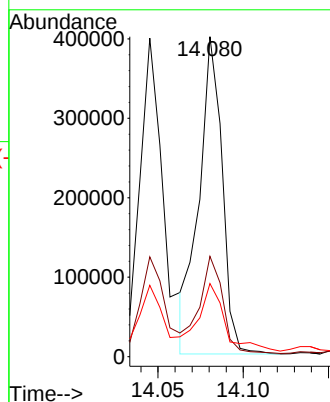
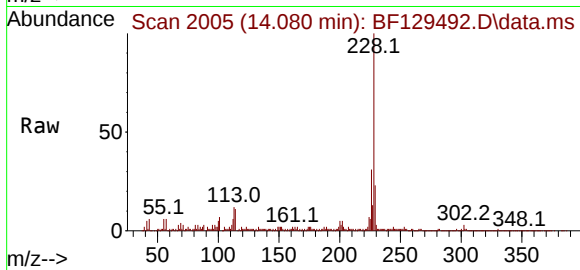
Tgt Ion:228 Resp: 377180

Ion Ratio Lower Upper

228 100

226 31.4 24.3 36.5

229 22.9 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2253

Delta R.T. 0.012 min

Lab File: BF129492.D

Acq: 02 Aug 2022 01:12

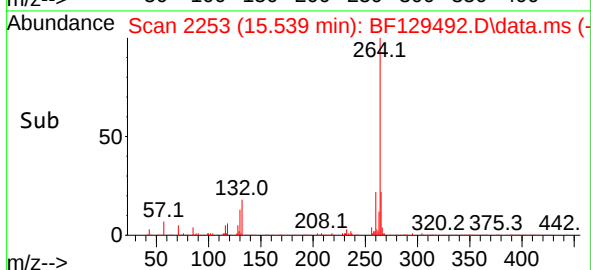
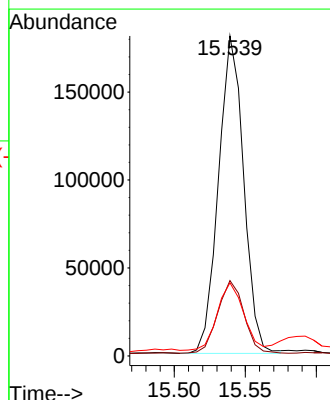
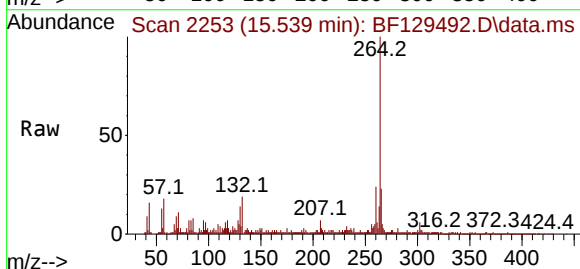
Tgt Ion:264 Resp: 222338

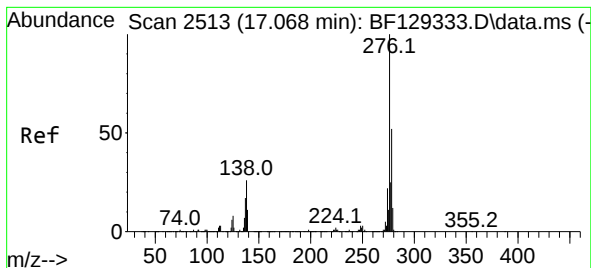
Ion Ratio Lower Upper

264 100

260 23.6 18.4 27.6

265 22.9 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.504 ng

RT: 17.045 min Scan# 2179

Delta R.T. 0.012 min

Lab File: BF129492.D

Acq: 02 Aug 2022 01:12

Instrument :

BNA_F

ClientSampleId :

TR-06-072922

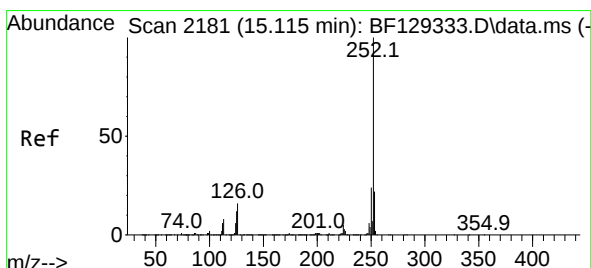
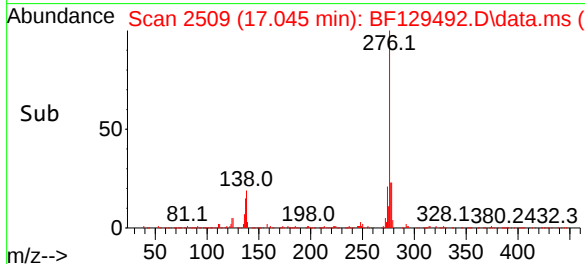
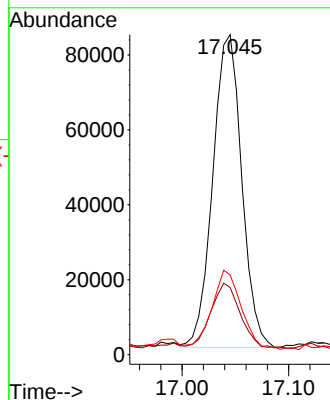
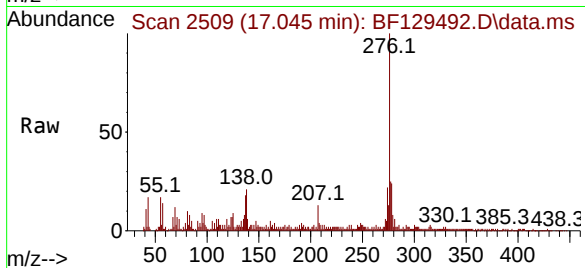
Tgt Ion:276 Resp: 157267

Ion Ratio Lower Upper

276 100

138 21.7 21.1 31.7

277 24.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 33.886 ng

RT: 15.104 min Scan# 2179

Delta R.T. 0.012 min

Lab File: BF129492.D

Acq: 02 Aug 2022 01:12

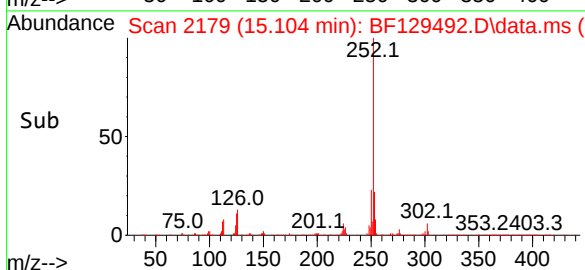
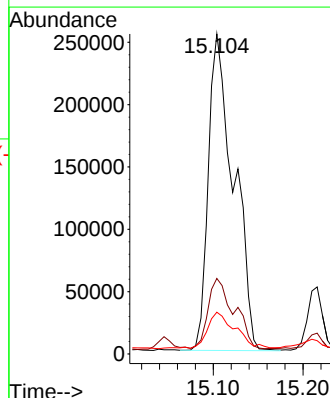
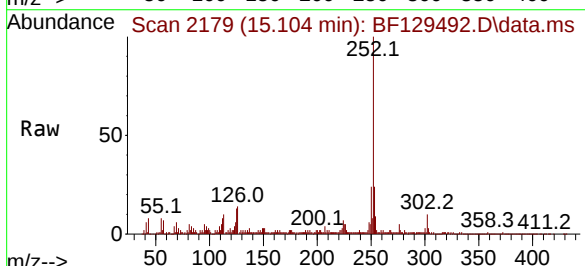
Tgt Ion:252 Resp: 499769

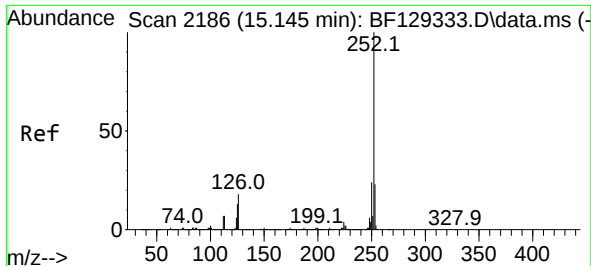
Ion Ratio Lower Upper

252 100

253 23.6 17.7 26.5

125 13.0 8.0 12.0#

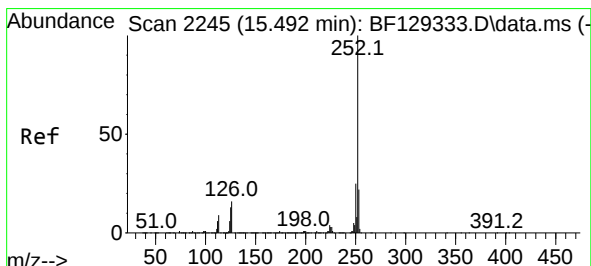
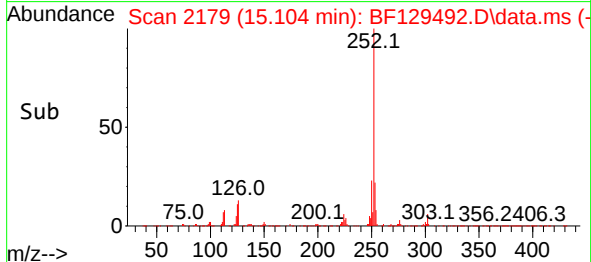
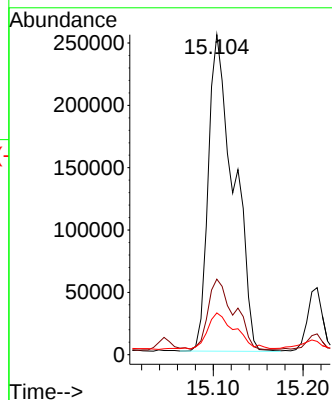
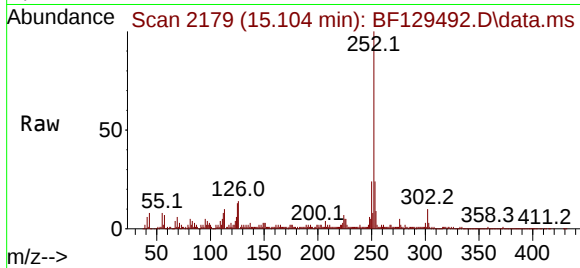




#89
Benzo(k)fluoranthene
Concen: 34.579 ng
RT: 15.104 min Scan# 2186
Delta R.T. -0.017 min
Lab File: BF129492.D
Acq: 02 Aug 2022 01:12

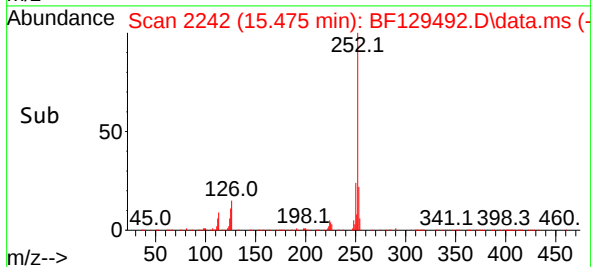
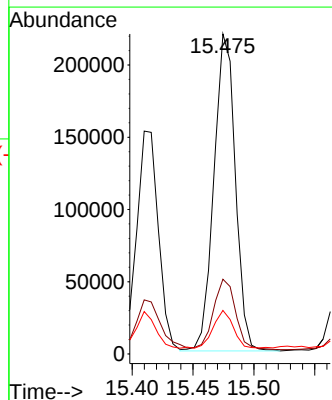
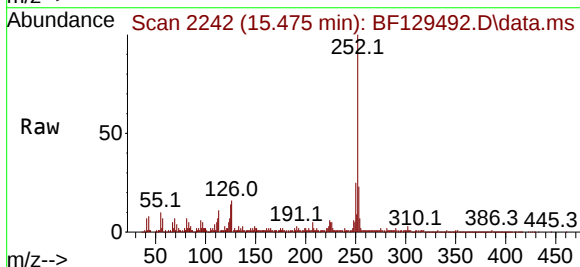
Instrument :
BNA_F
ClientSampleId :
TR-06-072922

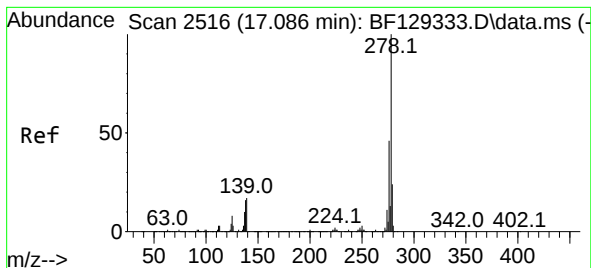
Tgt Ion:252 Resp: 499769
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 13.0 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 22.473 ng
RT: 15.475 min Scan# 2242
Delta R.T. 0.006 min
Lab File: BF129492.D
Acq: 02 Aug 2022 01:12

Tgt Ion:252 Resp: 269052
Ion Ratio Lower Upper
252 100
253 23.4 17.0 25.6
125 13.6 8.8 13.2#





#91

Dibenzo(a,h)anthracene

Concen: 3.524 ng

RT: 17.045 min Scan# 2509

Delta R.T. 0.000 min

Lab File: BF129492.D

Acq: 02 Aug 2022 01:12

Instrument :

BNA_F

ClientSampleId :

TR-06-072922

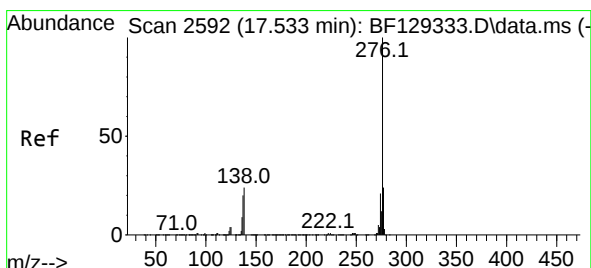
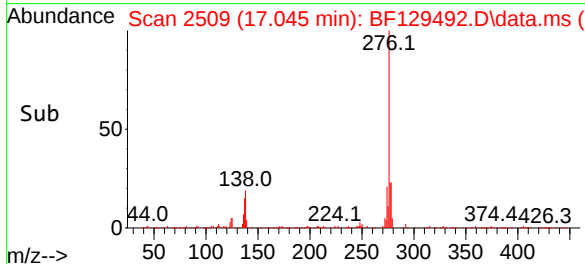
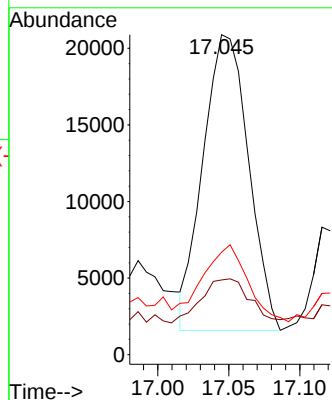
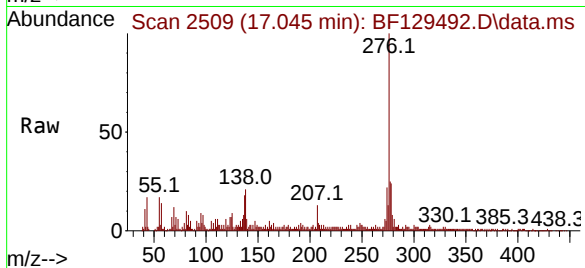
Tgt Ion:278 Resp: 42939

Ion Ratio Lower Upper

278 100

139 23.3 12.8 19.2#

279 32.0 18.6 28.0#



#92

Benzo(g,h,i)perylene

Concen: 13.099 ng

RT: 17.504 min Scan# 2587

Delta R.T. 0.012 min

Lab File: BF129492.D

Acq: 02 Aug 2022 01:12

Tgt Ion:276 Resp: 163117

Ion Ratio Lower Upper

276 100

277 25.6 19.1 28.7

138 22.7 18.0 27.0

