

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080222\
 Data File : BF129522.D
 Acq On : 02 Aug 2022 23:14
 Operator : CG\JU
 Sample : N3979-01RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-072922

Quant Time: Aug 03 01:48:31 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)

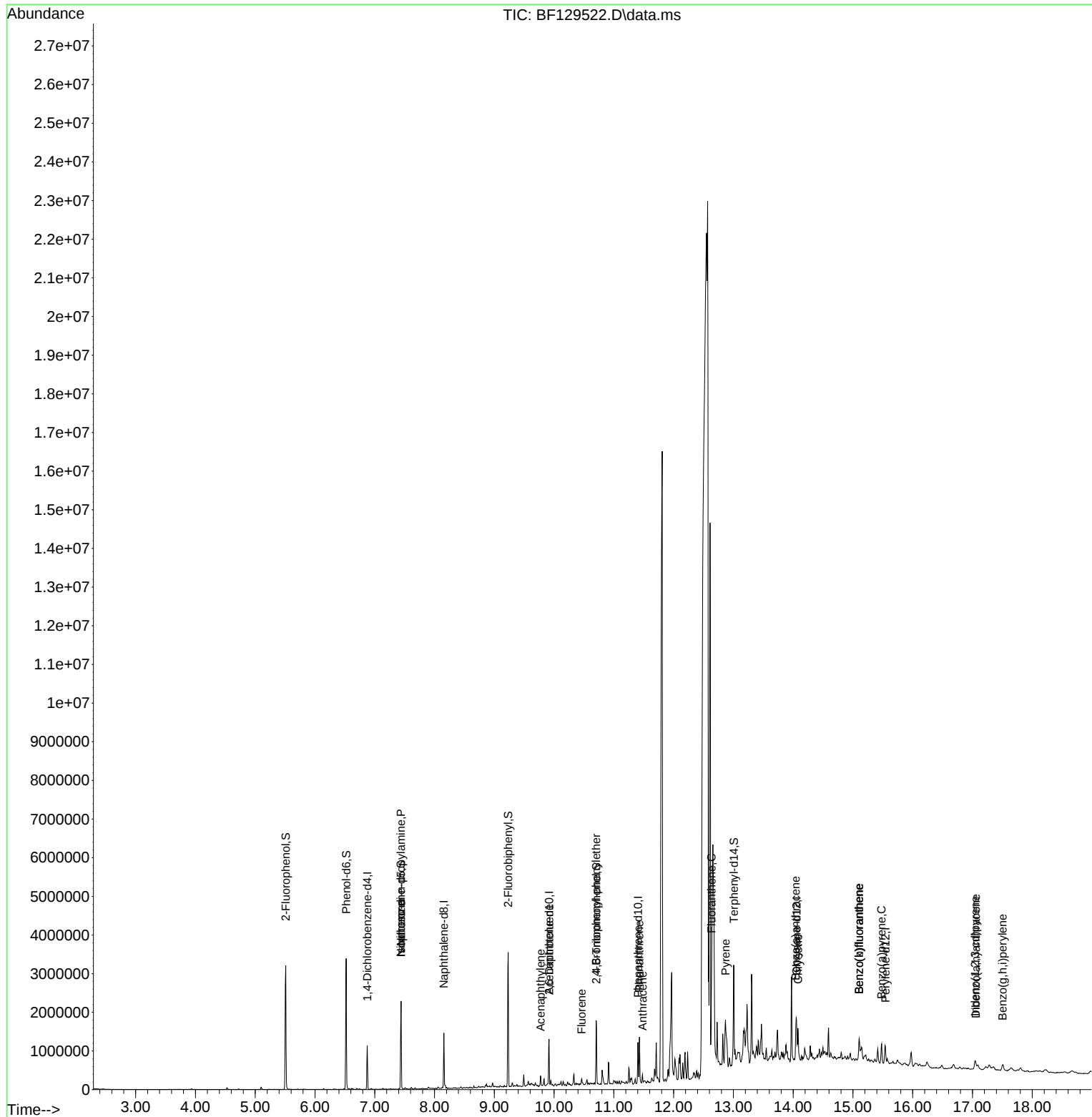
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	146607	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	542309	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	234525	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	351817	20.000	ng	0.00
76) Chrysene-d12	14.057	240	245581	20.000	ng	0.00
86) Perylene-d12	15.545	264	183531	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	845653	93.963	ng	0.00
7) Phenol-d6	6.522	99	1033531	91.364	ng	0.00
23) Nitrobenzene-d5	7.440	82	631657	63.582	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	182627	80.995	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1022296	67.432	ng	0.00
79) Terphenyl-d14	13.010	244	874829	67.205	ng	0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	85278	12.452	ng	# 72
25) Isophorone	7.440	82	631657	35.471	ng	# 66
49) Acenaphthylene	9.775	152	88032	4.187	ng	99
51) 2,6-Dinitrotoluene	9.916	165	31949	8.817	ng	# 26
58) Fluorene	10.463	166	35324	2.332	ng	94
67) 4-Bromophenyl-phenylether	10.704	248	12454	3.233	ng	# 1
71) Phenanthrene	11.427	178	388067	20.207	ng	99
72) Anthracene	11.480	178	90655	4.804	ng	99
75) Fluoranthene	12.633	202	642963	33.042	ng	99
78) Pyrene	12.869	202	727766	35.438	ng	98
81) Benzo(a)anthracene	14.045	228	312241	18.613	ng	94
83) Chrysene	14.080	228	309840	19.597	ng	97
87) Indeno(1,2,3-cd)pyrene	17.045	276	132454	10.717	ng	95
88) Benzo(b)fluoranthene	15.104	252	414365	34.036	ng	# 94
89) Benzo(k)fluoranthene	15.104	252	414365	34.732	ng	# 95
90) Benzo(a)pyrene	15.480	252	224564	22.723	ng	97
91) Dibenzo(a,h)anthracene	17.057	278	35390	3.518	ng	# 82
92) Benzo(g,h,i)perylene	17.504	276	140236	13.643	ng	99

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

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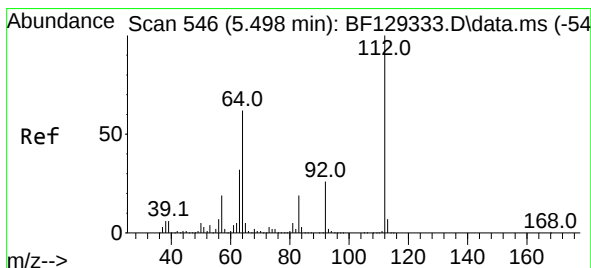
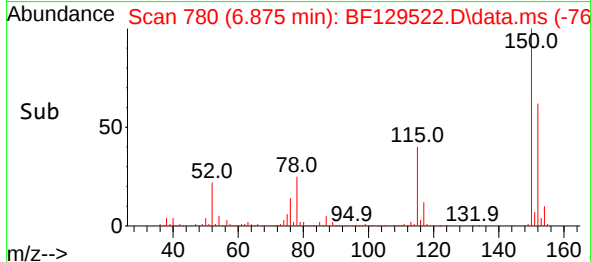
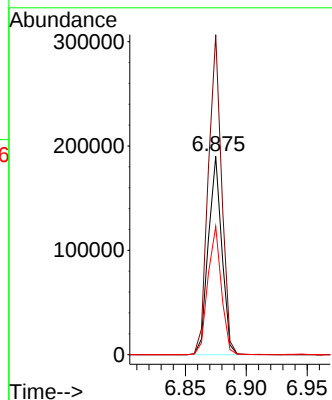
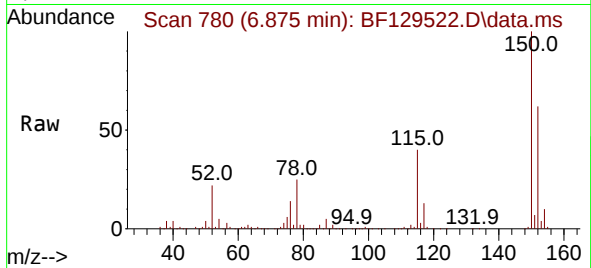




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

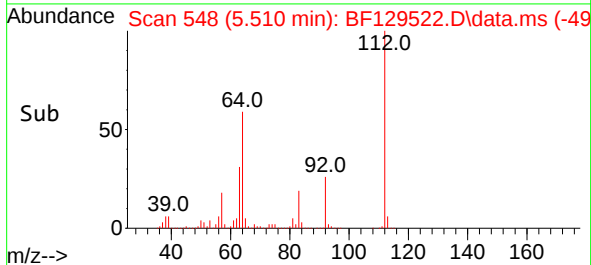
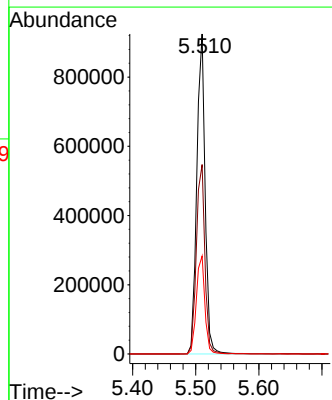
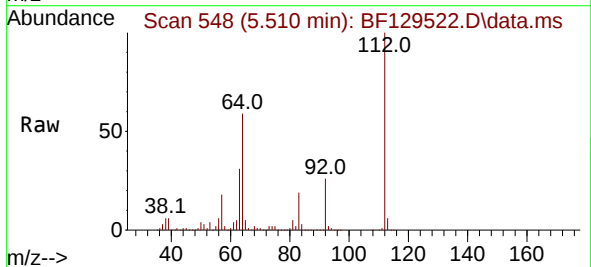
Instrument :
BNA_F
ClientSampleId :
TR-06-072922

Tgt Ion:152 Resp: 146607
Ion Ratio Lower Upper
152 100
150 161.2 123.7 185.5
115 64.7 49.9 74.9



#5
2-Fluorophenol
Concen: 93.963 ng
RT: 5.510 min Scan# 548
Delta R.T. 0.006 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

Tgt Ion:112 Resp: 845653
Ion Ratio Lower Upper
112 100
64 59.2 53.3 79.9
63 30.6 28.0 42.0

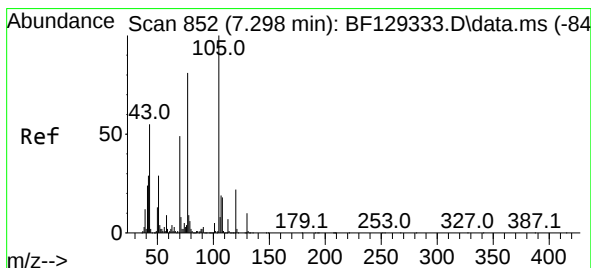
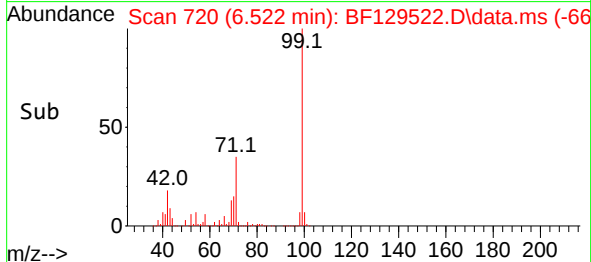
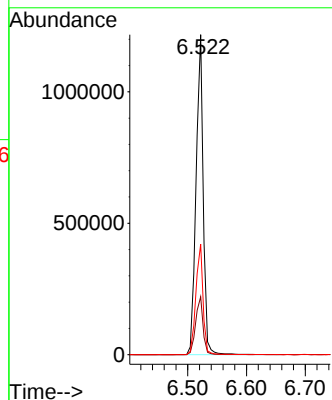
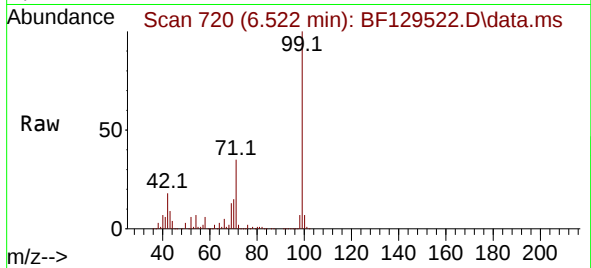




#7
Phenol-d6
Concen: 91.364 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

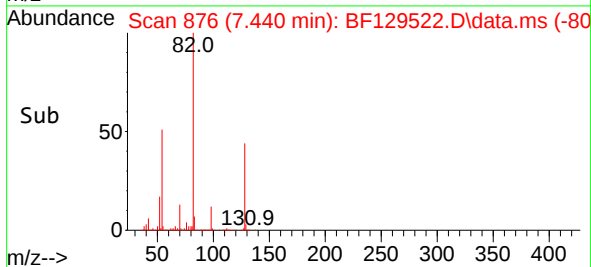
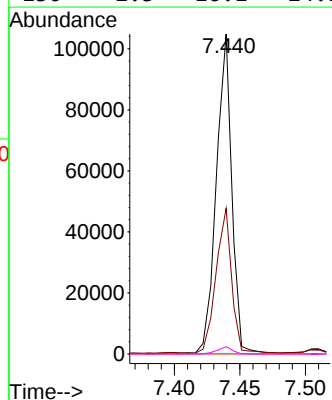
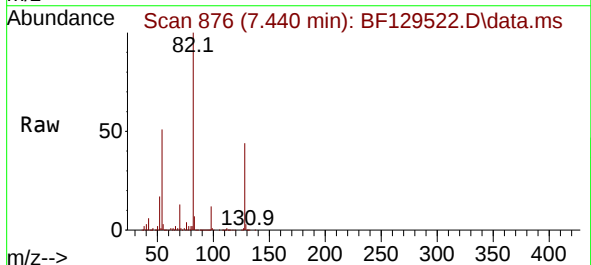
Instrument :
BNA_F
ClientSampleId :
TR-06-072922

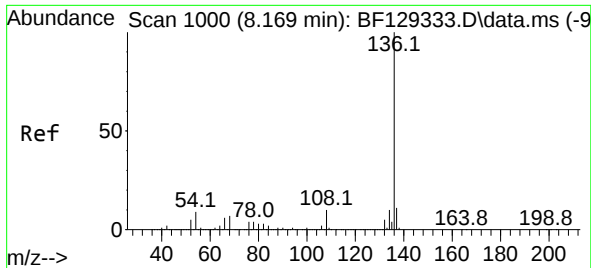
Tgt Ion: 99 Resp: 1033531
Ion Ratio Lower Upper
99 100
42 18.1 17.3 25.9
71 34.6 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 12.452 ng
RT: 7.440 min Scan# 876
Delta R.T. 0.147 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

Tgt Ion: 70 Resp: 85278
Ion Ratio Lower Upper
70 100
42 45.5 52.3 78.5#
101 0.0 7.5 11.3#
130 2.3 16.1 24.1#



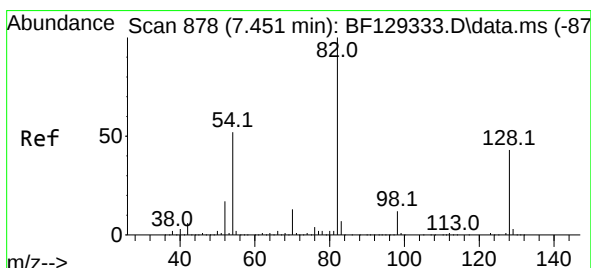
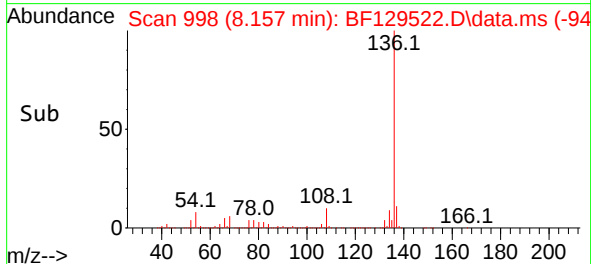
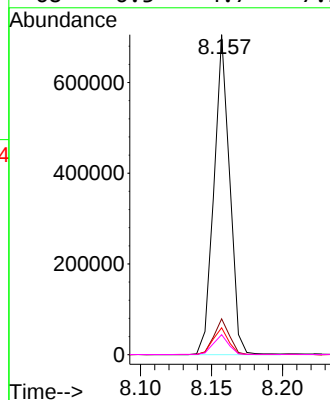
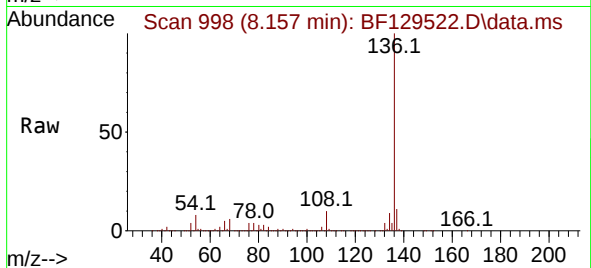


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

Instrument :
BNA_F
ClientSampleId :
TR-06-072922

Tgt Ion:136 Resp: 542309

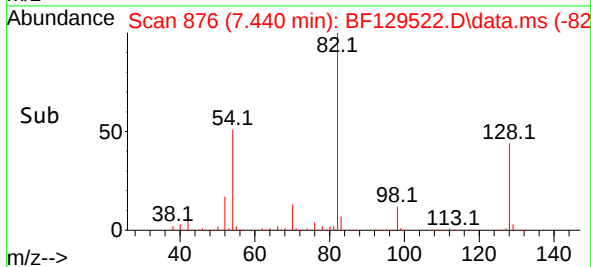
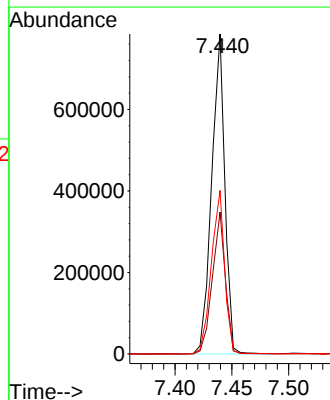
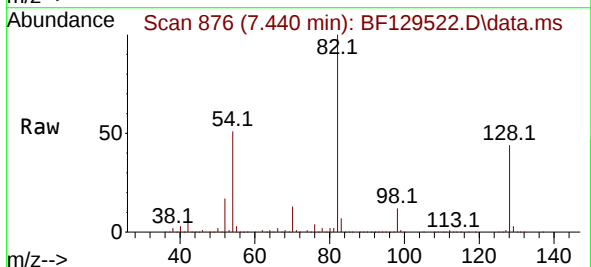
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.4	7.5	11.3
68	6.3	4.7	7.1



#23
Nitrobenzene-d5
Concen: 63.582 ng
RT: 7.440 min Scan# 876
Delta R.T. -0.006 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

Tgt Ion: 82 Resp: 631657

Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.0	51.0
54	51.1	46.9	70.3

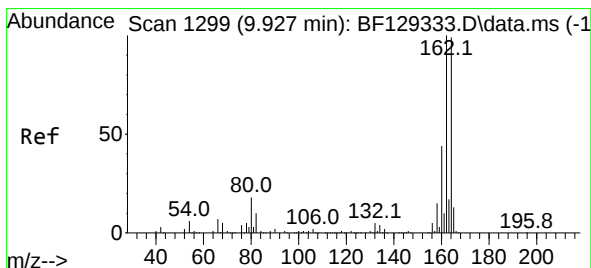
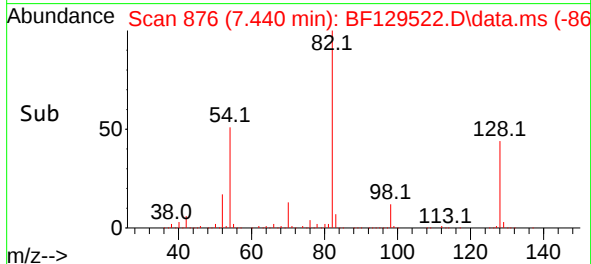
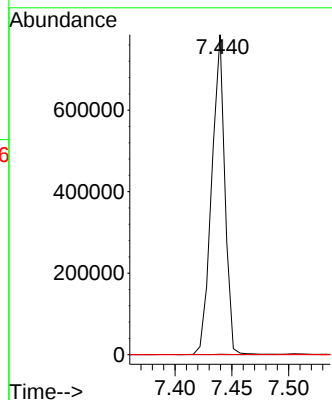
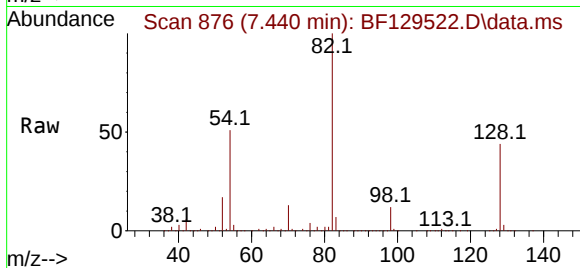




#25
Isophorone
Concen: 35.471 ng
RT: 7.440 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

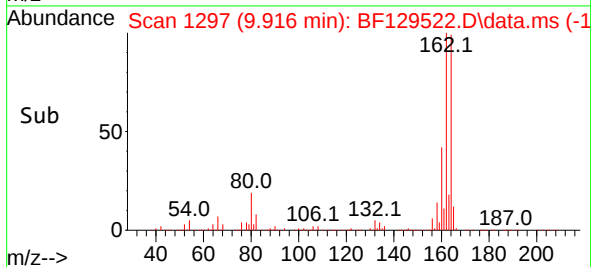
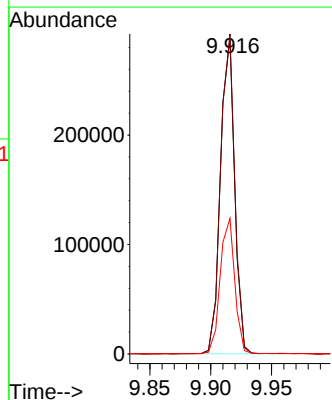
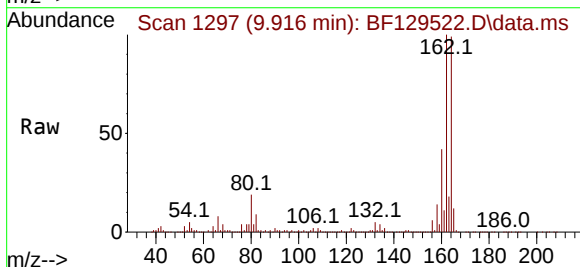
Instrument :
BNA_F
ClientSampleId :
TR-06-072922

Tgt Ion: 82 Resp: 631657
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: BF129522.D
Acq: 02 Aug 2022 23:14

Tgt Ion:164 Resp: 234525
Ion Ratio Lower Upper
164 100
162 101.4 79.5 119.3
160 43.0 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 80.995 ng

RT: 10.710 min Scan# 1432

Delta R.T. -0.000 min

Lab File: BF129522.D

Acq: 02 Aug 2022 23:14

Instrument :

BNA_F

ClientSampleId :

TR-06-072922

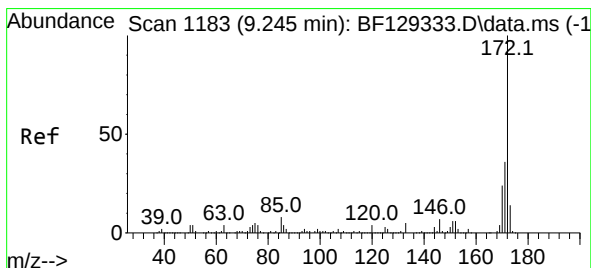
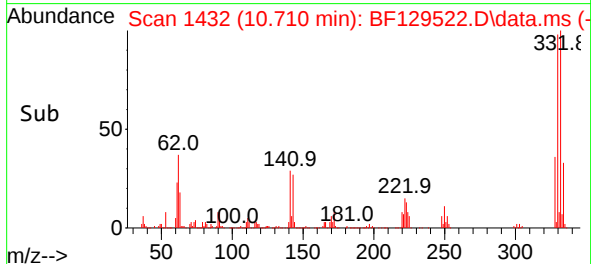
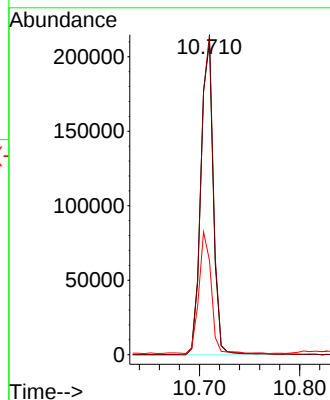
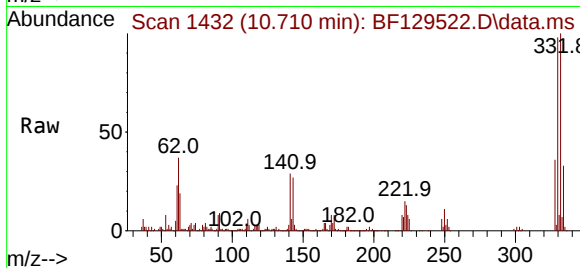
Tgt Ion:330 Resp: 182627

Ion Ratio Lower Upper

330 100

332 101.1 76.8 115.2

141 38.0 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 67.432 ng

RT: 9.234 min Scan# 1181

Delta R.T. -0.000 min

Lab File: BF129522.D

Acq: 02 Aug 2022 23:14

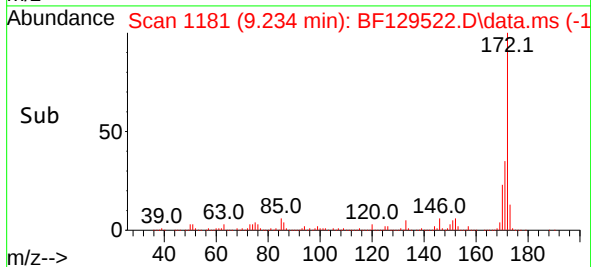
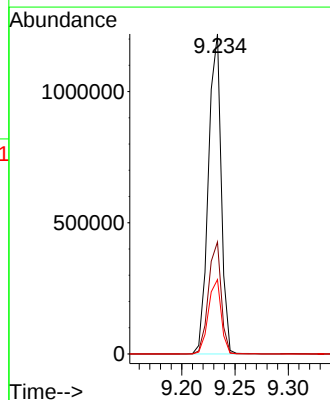
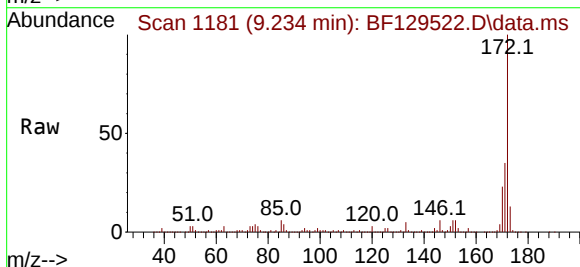
Tgt Ion:172 Resp: 1022296

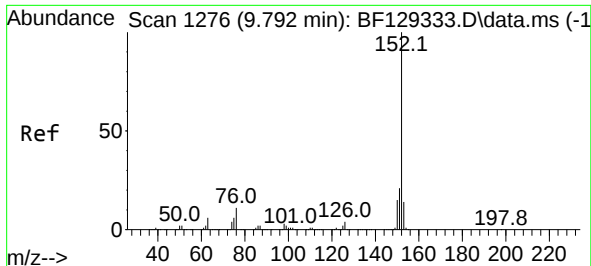
Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 23.2 19.8 29.8





#49

Acenaphthylene

Concen: 4.187 ng

RT: 9.775 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129522.D

Acq: 02 Aug 2022 23:14

Instrument :

BNA_F

ClientSampleId :

TR-06-072922

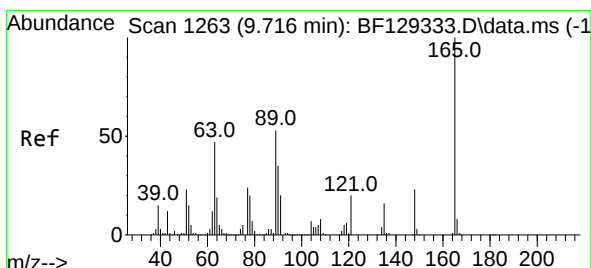
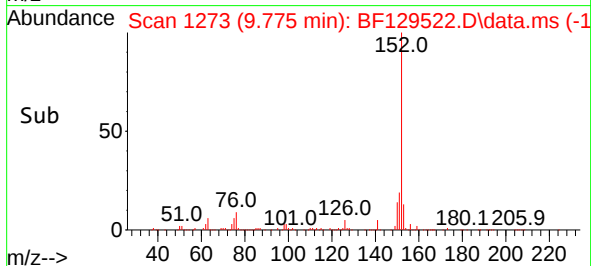
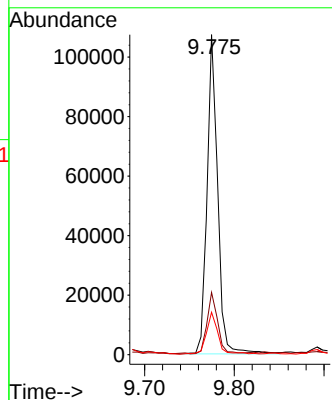
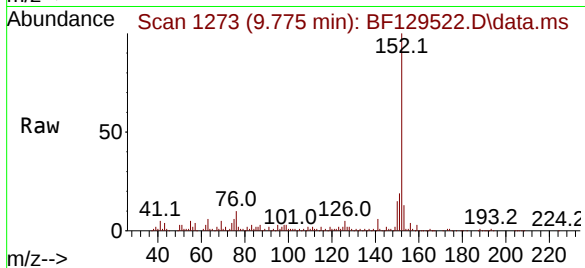
Tgt Ion:152 Resp: 88032

Ion Ratio Lower Upper

152 100

151 19.5 16.2 24.4

153 13.3 10.7 16.1



#51

2,6-Dinitrotoluene

Concen: 8.817 ng

RT: 9.916 min Scan# 1297

Delta R.T. 0.212 min

Lab File: BF129522.D

Acq: 02 Aug 2022 23:14

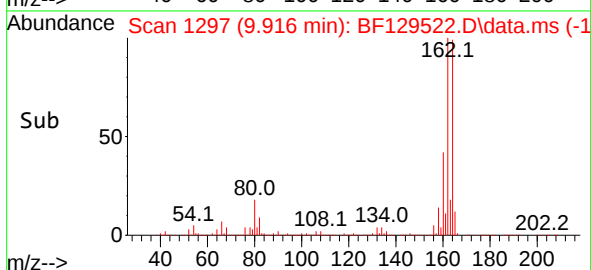
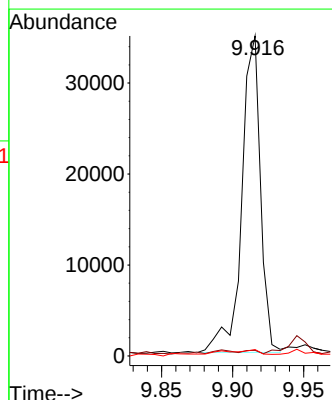
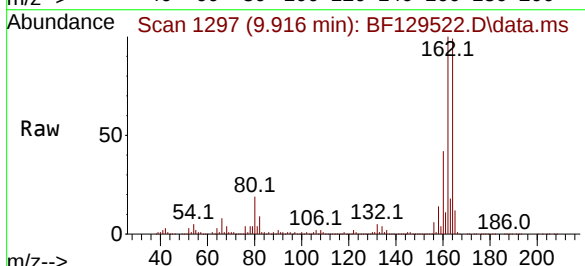
Tgt Ion:165 Resp: 31949

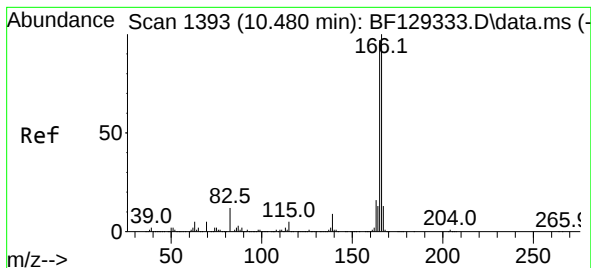
Ion Ratio Lower Upper

165 100

63 1.8 44.9 67.3#

89 2.0 43.6 65.4#





#58

Fluorene

Concen: 2.332 ng

RT: 10.463 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129522.D

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BNA_F

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TR-06-072922

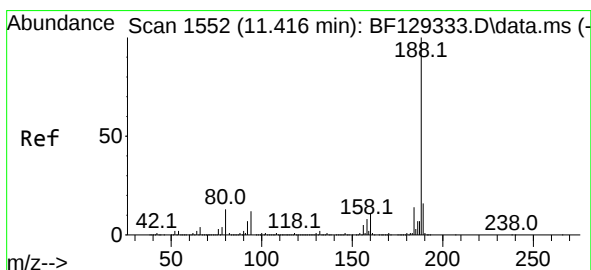
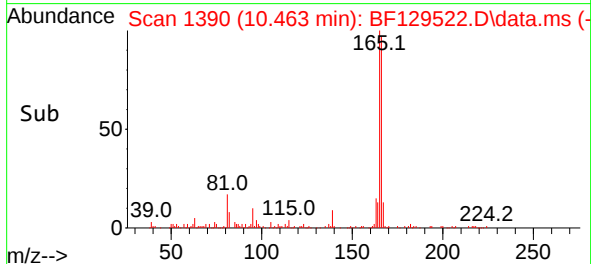
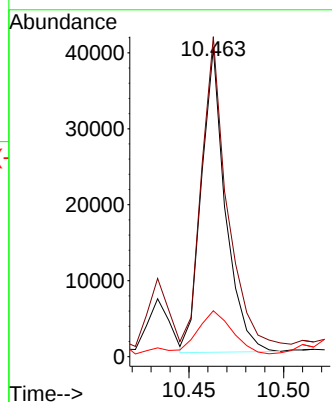
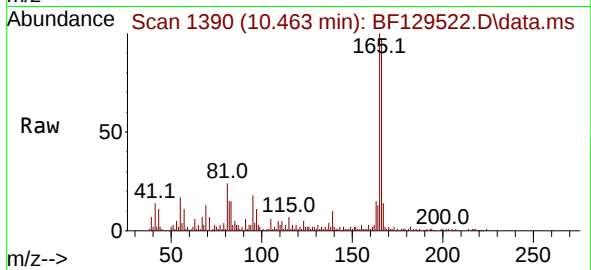
Tgt Ion:166 Resp: 35324

Ion Ratio Lower Upper

166 100

165 103.6 78.1 117.1

167 14.9 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: BF129522.D

Acq: 02 Aug 2022 23:14

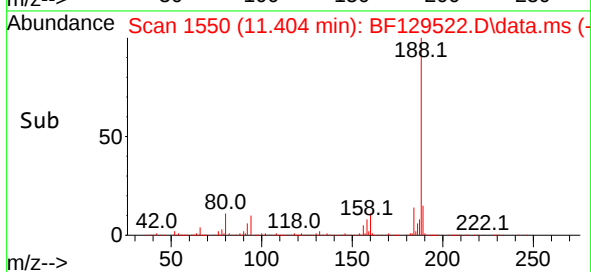
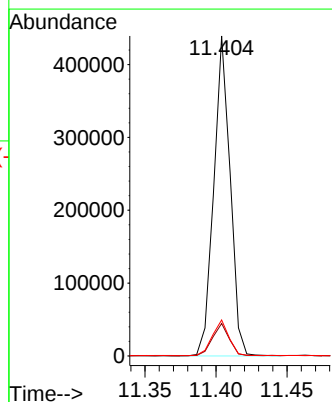
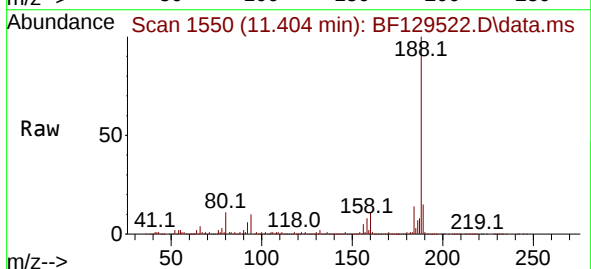
Tgt Ion:188 Resp: 351817

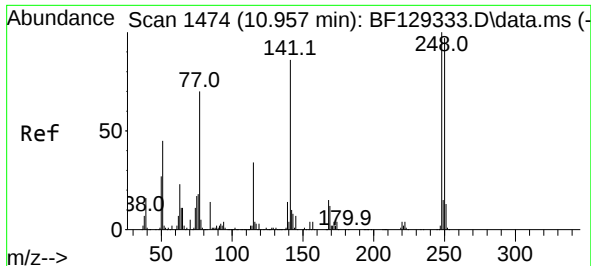
Ion Ratio Lower Upper

188 100

94 10.2 7.0 10.6

80 11.3 7.6 11.4

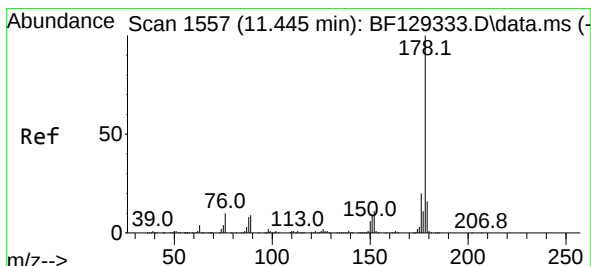
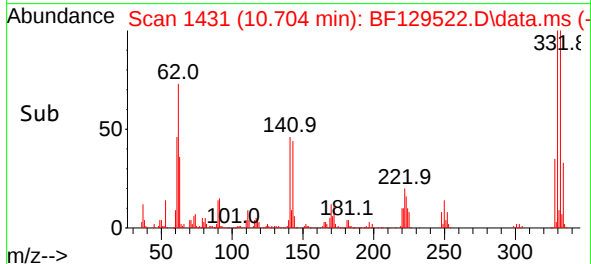
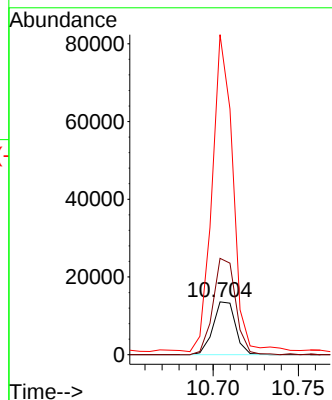
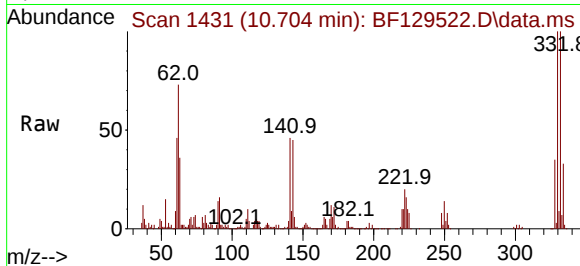




#67
4-Bromophenyl-phenylether
Concen: 3.233 ng
RT: 10.704 min Scan# 1474
Delta R.T. -0.241 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

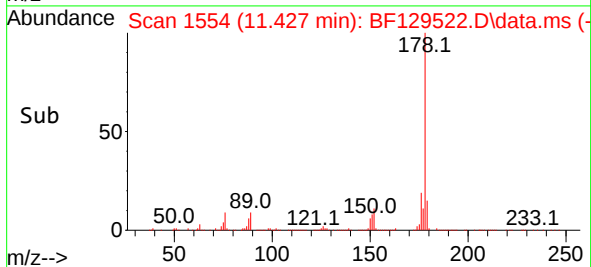
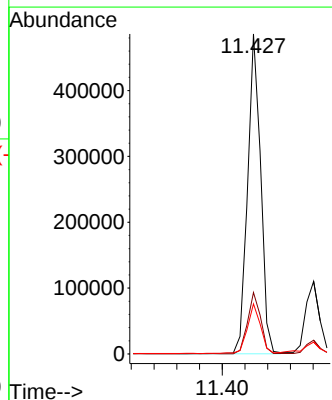
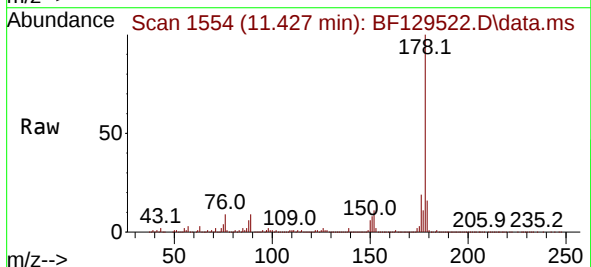
Instrument :
BNA_F
ClientSampleId :
TR-06-072922

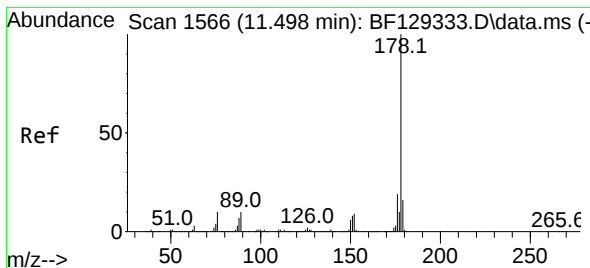
Tgt Ion:248 Resp: 12454
Ion Ratio Lower Upper
248 100
250 182.8 80.6 120.8#
141 606.7 58.9 88.3#



#71
Phenanthrene
Concen: 20.207 ng
RT: 11.427 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

Tgt Ion:178 Resp: 388067
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.6 12.6 19.0





#72

Anthracene

Concen: 4.804 ng

RT: 11.480 min Scan# 1563

Delta R.T. -0.000 min

Lab File: BF129522.D

Acq: 02 Aug 2022 23:14

Instrument :

BNA_F

ClientSampleId :

TR-06-072922

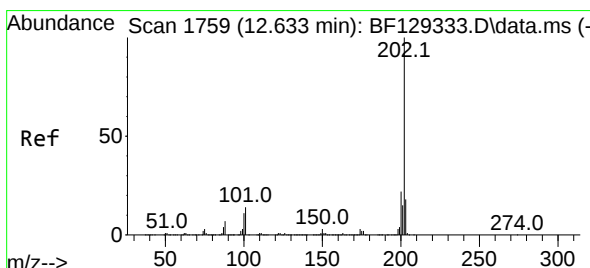
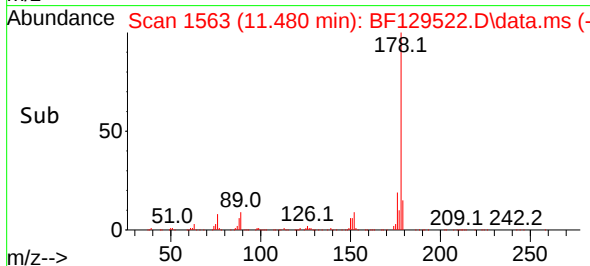
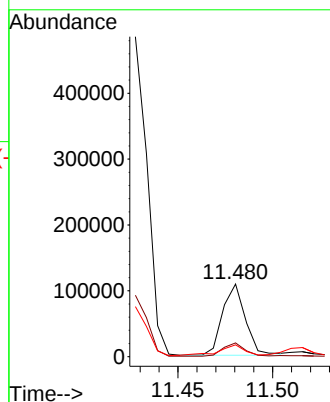
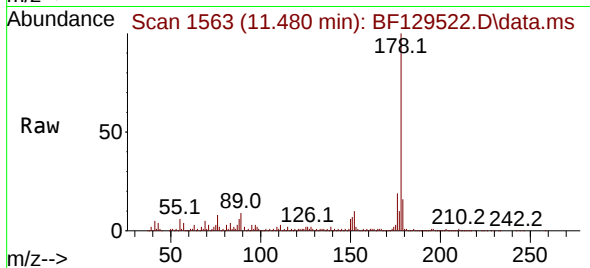
Tgt Ion:178 Resp: 90655

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

179 16.3 12.6 19.0



#75

Fluoranthene

Concen: 33.042 ng

RT: 12.633 min Scan# 1759

Delta R.T. 0.012 min

Lab File: BF129522.D

Acq: 02 Aug 2022 23:14

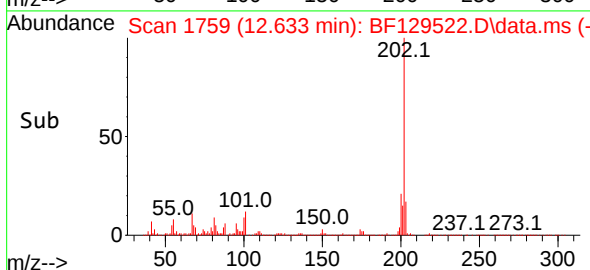
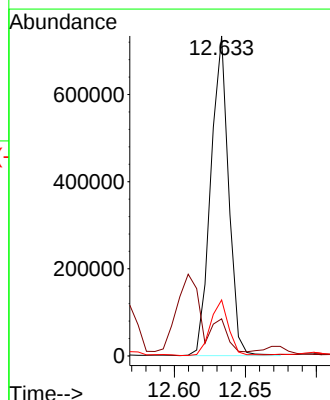
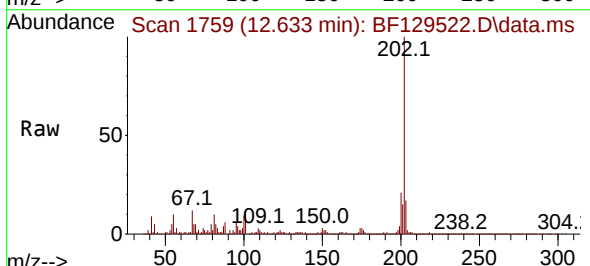
Tgt Ion:202 Resp: 642963

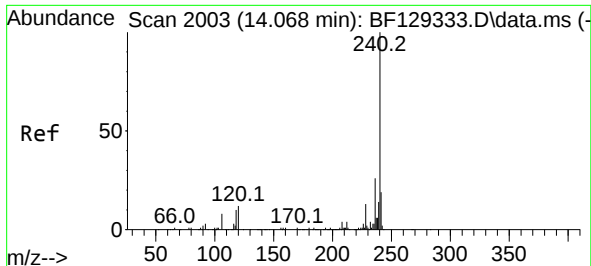
Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.4

203 17.5 0.0 38.0

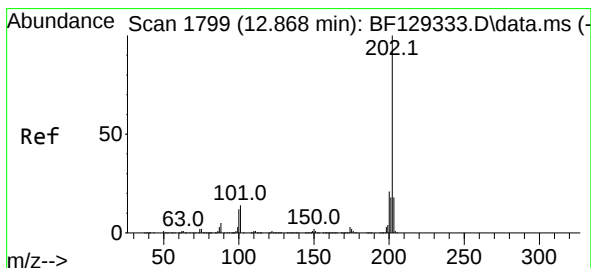
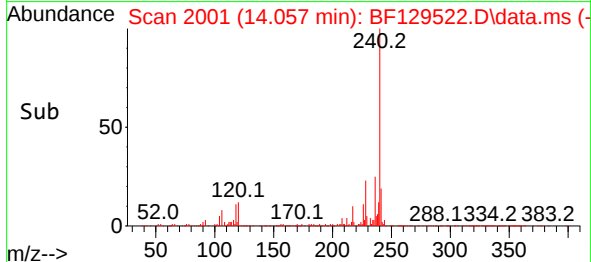
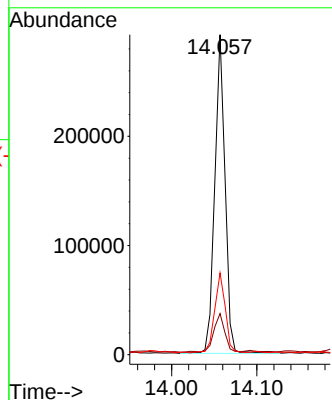
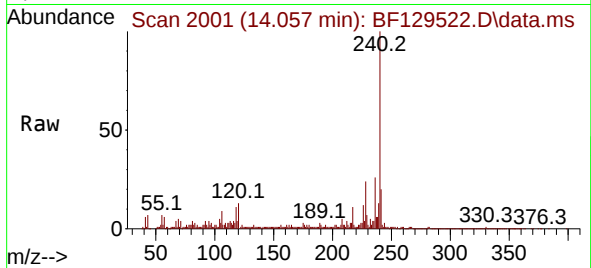




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

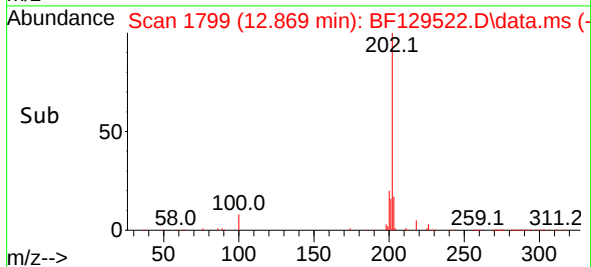
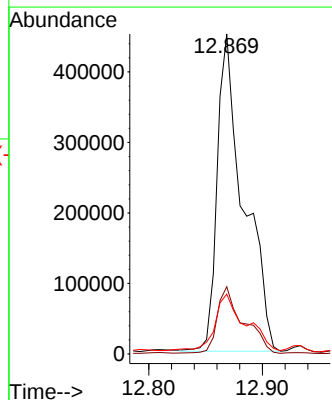
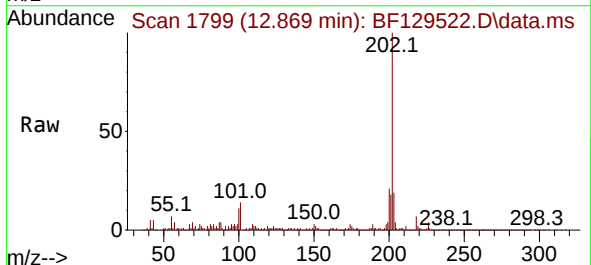
Instrument :
BNA_F
ClientSampleId :
TR-06-072922

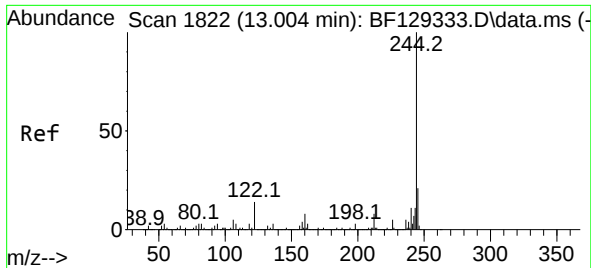
Tgt Ion:240 Resp: 245581
Ion Ratio Lower Upper
240 100
120 12.8 8.9 13.3
236 25.5 20.8 31.2



#78
Pyrene
Concen: 35.438 ng
RT: 12.869 min Scan# 1799
Delta R.T. 0.018 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

Tgt Ion:202 Resp: 727766
Ion Ratio Lower Upper
202 100
200 21.0 17.7 26.5
203 18.7 14.6 21.8

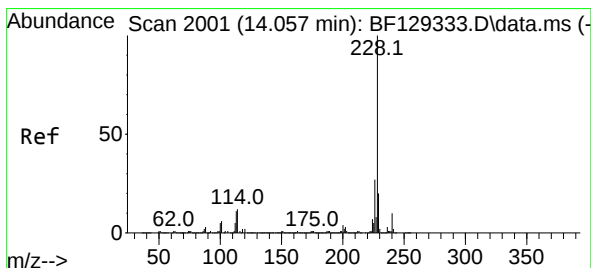
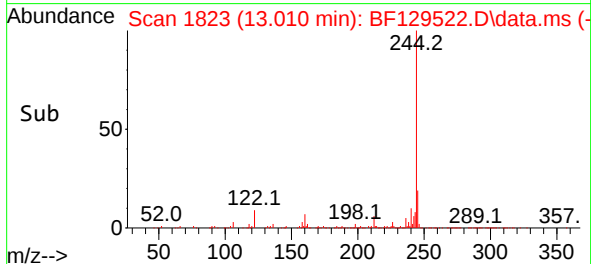
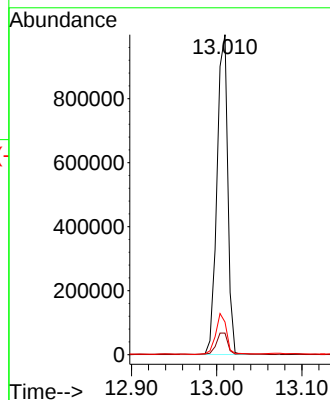
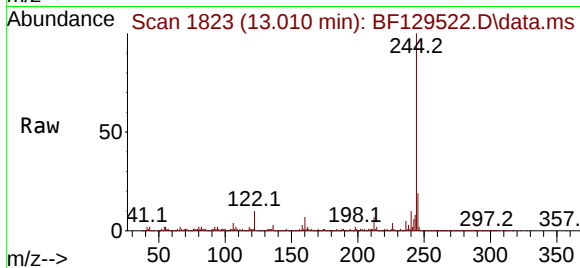




#79
 Terphenyl-d14
 Concen: 67.205 ng
 RT: 13.010 min Scan# 11
 Delta R.T. 0.024 min
 Lab File: BF129522.D
 Acq: 02 Aug 2022 23:14

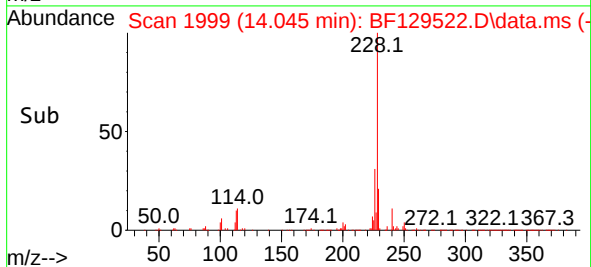
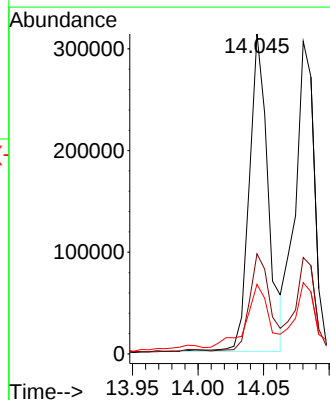
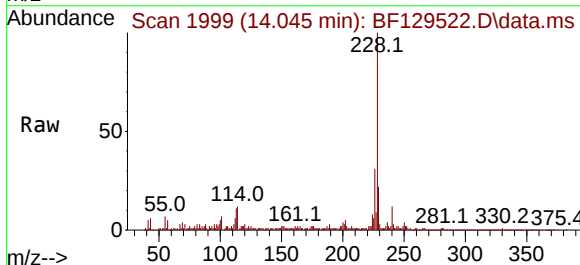
Instrument :
 BNA_F
 ClientSampleId :
 TR-06-072922

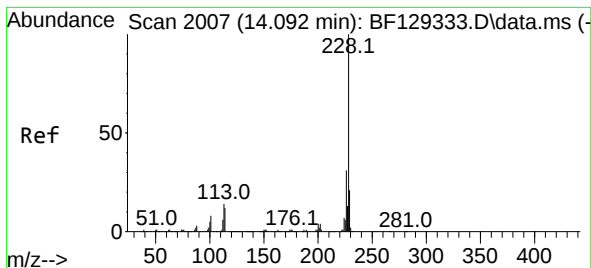
Tgt Ion:244 Resp: 874829
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.1 9.1
 122 10.2 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 18.613 ng
 RT: 14.045 min Scan# 1999
 Delta R.T. 0.006 min
 Lab File: BF129522.D
 Acq: 02 Aug 2022 23:14

Tgt Ion:228 Resp: 312241
 Ion Ratio Lower Upper
 228 100
 226 31.3 22.1 33.1
 229 21.7 15.8 23.8





#83

Chrysene

Concen: 19.597 ng

RT: 14.080 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF129522.D

Acq: 02 Aug 2022 23:14

Instrument :

BNA_F

ClientSampleId :

TR-06-072922

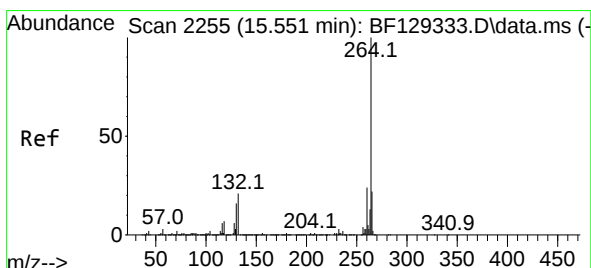
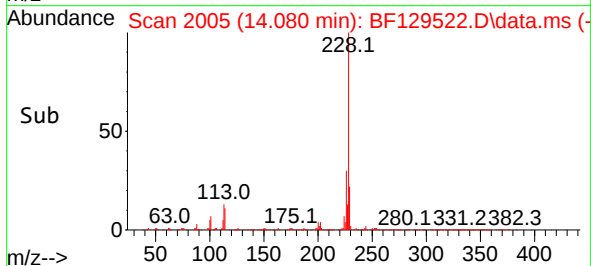
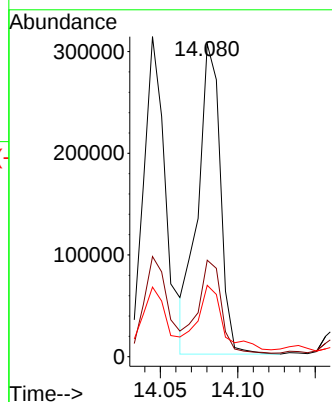
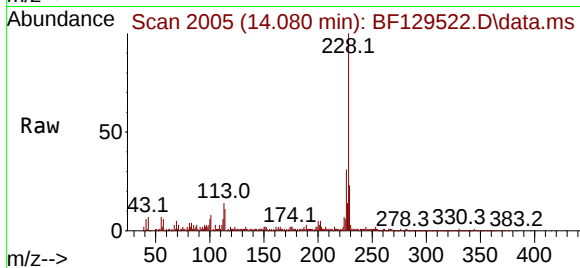
Tgt Ion:228 Resp: 309840

Ion Ratio Lower Upper

228 100

226 30.9 24.3 36.5

229 22.8 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2254

Delta R.T. 0.018 min

Lab File: BF129522.D

Acq: 02 Aug 2022 23:14

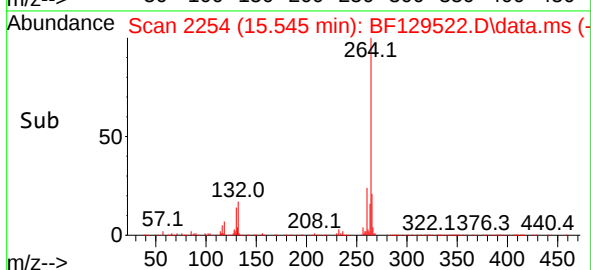
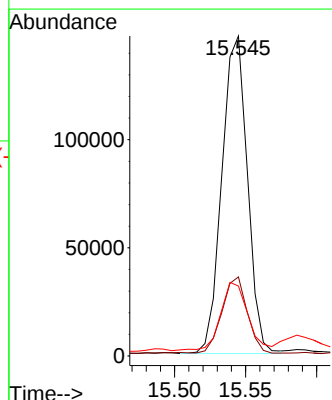
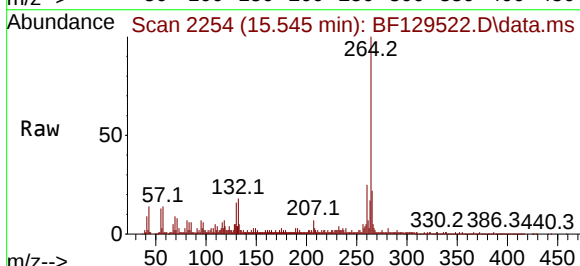
Tgt Ion:264 Resp: 183531

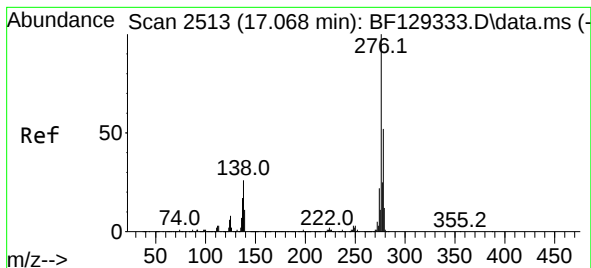
Ion Ratio Lower Upper

264 100

260 24.7 18.4 27.6

265 21.8 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.717 ng

RT: 17.045 min Scan# 2179

Delta R.T. 0.012 min

Lab File: BF129522.D

Acq: 02 Aug 2022 23:14

Instrument :

BNA_F

ClientSampleId :

TR-06-072922

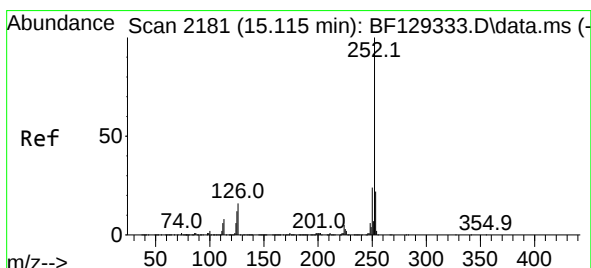
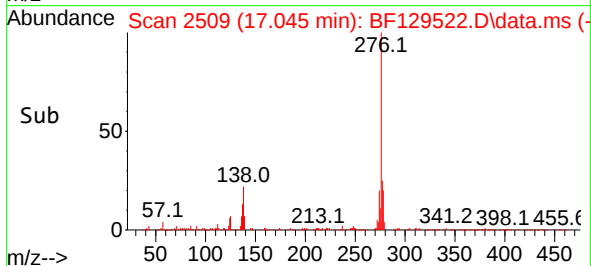
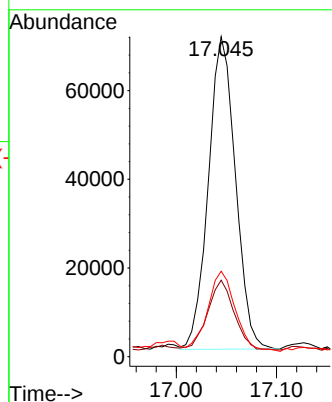
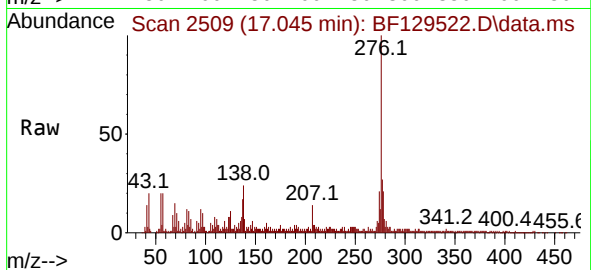
Tgt Ion:276 Resp: 132454

Ion Ratio Lower Upper

276 100

138 22.2 21.1 31.7

277 26.1 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 34.036 ng

RT: 15.104 min Scan# 2179

Delta R.T. 0.012 min

Lab File: BF129522.D

Acq: 02 Aug 2022 23:14

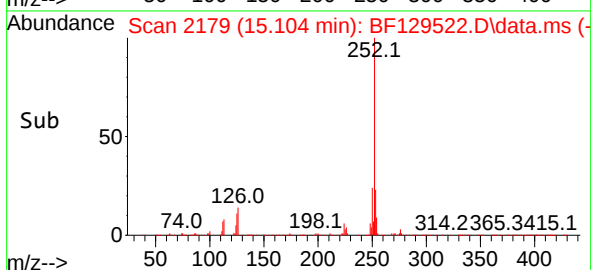
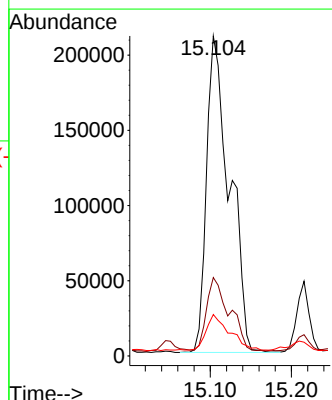
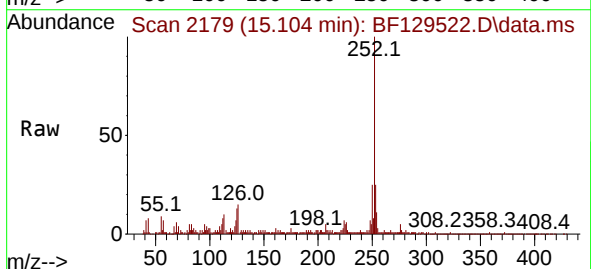
Tgt Ion:252 Resp: 414365

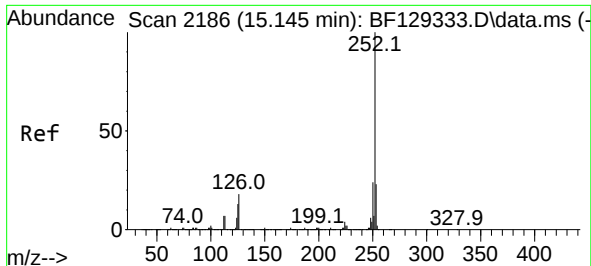
Ion Ratio Lower Upper

252 100

253 24.5 17.7 26.5

125 13.0 8.0 12.0#

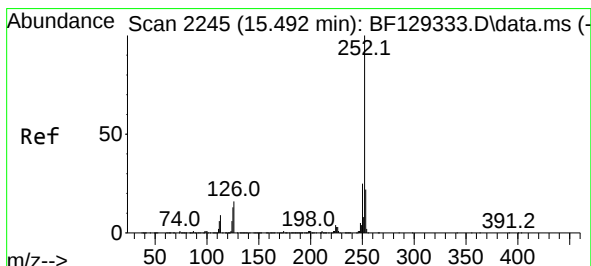
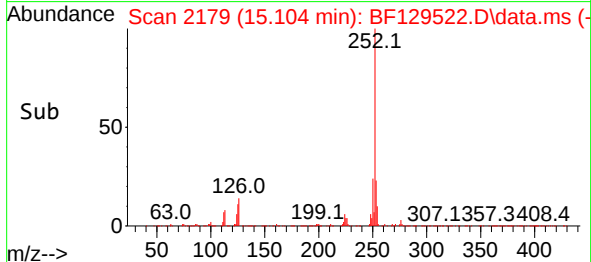
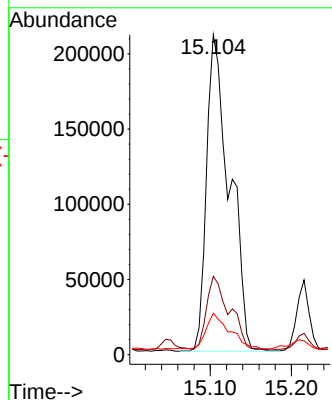
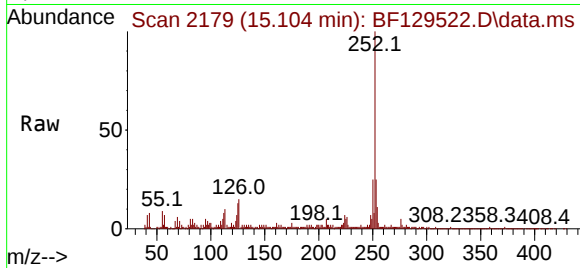




#89
Benzo(k)fluoranthene
Concen: 34.732 ng
RT: 15.104 min Scan# 2186
Delta R.T. -0.018 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

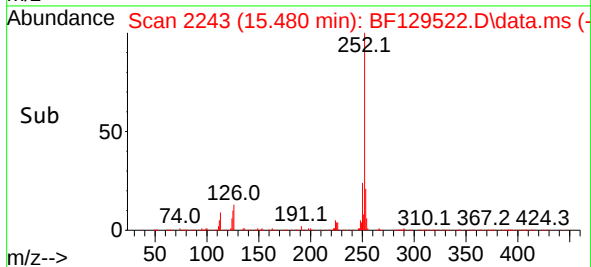
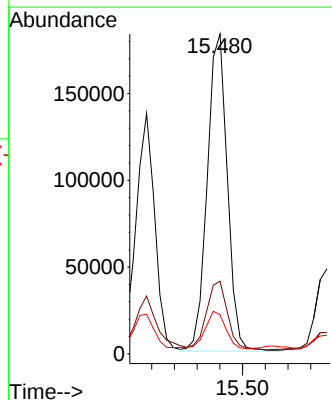
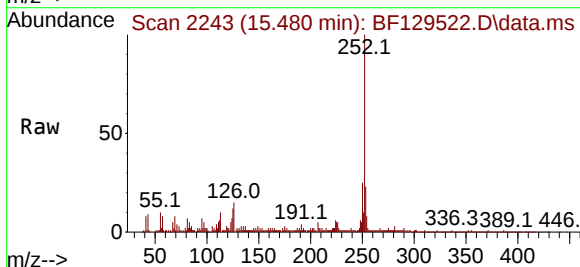
Instrument :
BNA_F
ClientSampleId :
TR-06-072922

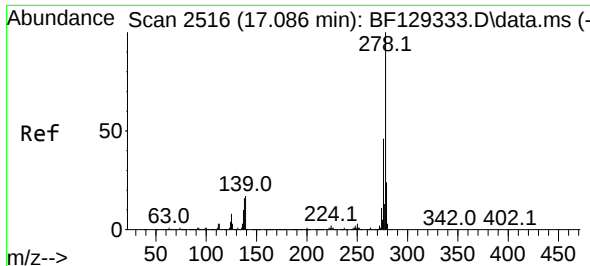
Tgt Ion:252 Resp: 414365
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.6
125 13.0 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 22.723 ng
RT: 15.480 min Scan# 2243
Delta R.T. 0.012 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

Tgt Ion:252 Resp: 224564
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 12.3 8.8 13.2

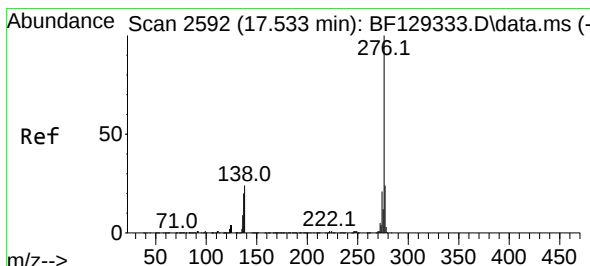
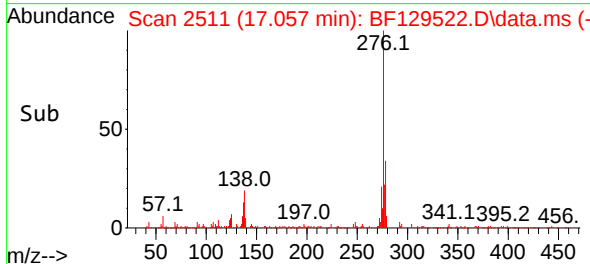
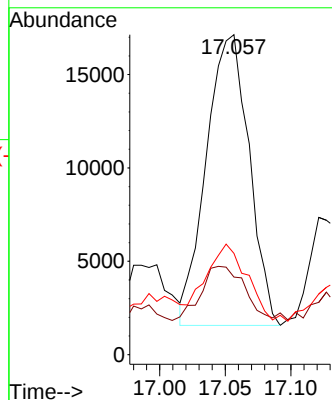
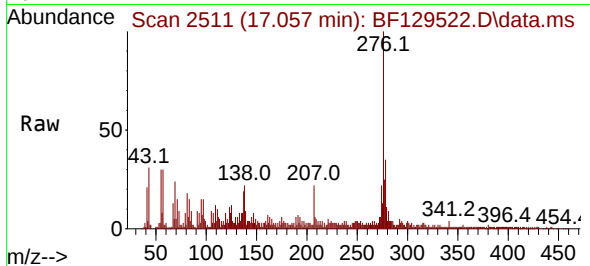




#91
 Dibenzo(a,h)anthracene
 Concen: 3.518 ng
 RT: 17.057 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF129522.D
 Acq: 02 Aug 2022 23:14

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-072922

Tgt Ion:278 Resp: 35390
 Ion Ratio Lower Upper
 278 100
 139 24.3 12.8 19.2#
 279 31.7 18.6 28.0#



#92
 Benzo(g,h,i)perylene
 Concen: 13.643 ng
 RT: 17.504 min Scan# 2587
 Delta R.T. 0.012 min
 Lab File: BF129522.D
 Acq: 02 Aug 2022 23:14

Tgt Ion:276 Resp: 140236
 Ion Ratio Lower Upper
 276 100
 277 24.5 19.1 28.7
 138 23.1 18.0 27.0

