

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
 Data File : BF129491.D
 Acq On : 02 Aug 2022 00:40
 Operator : CG\JU
 Sample : N3976-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP3-0729

Quant Time: Aug 02 01:19:13 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)

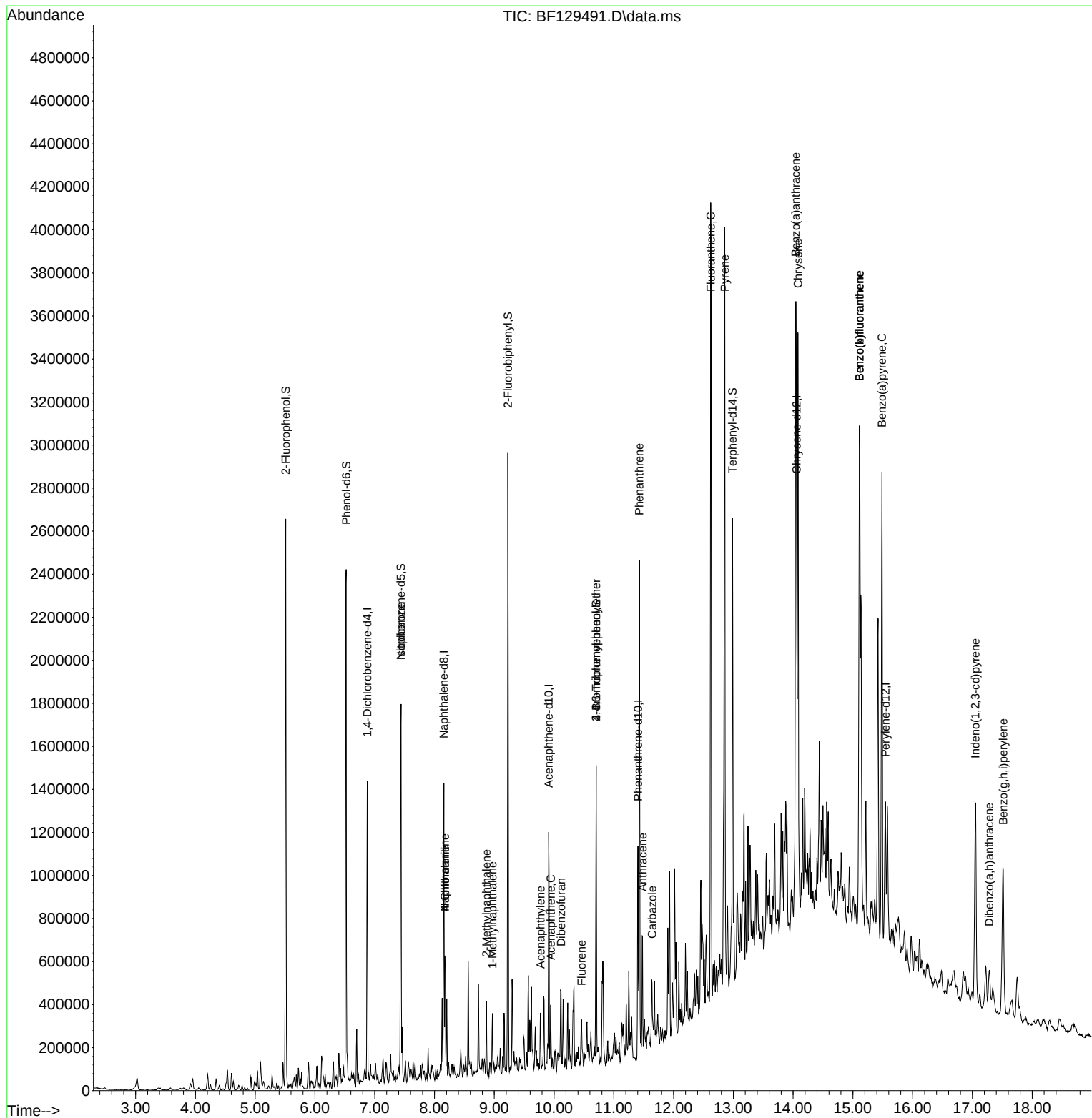
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	150733	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	533103	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	222624	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	318584	20.000	ng	0.00
76) Chrysene-d12	14.057	240	311480	20.000	ng	0.00
86) Perylene-d12	15.545	264	276060	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	652729	70.542	ng	0.00
7) Phenol-d6	6.522	99	812033	69.819	ng	0.00
23) Nitrobenzene-d5	7.440	82	533402	54.619	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	125627	58.694	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	797914	55.445	ng	0.00
79) Terphenyl-d14	12.986	244	668017	40.461	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.440	82	533402	30.471	ng	# 66
31) Naphthalene	8.175	128	207889	7.675	ng	100
33) 4-Chloroaniline	8.175	127	27557	2.478	ng	# 35
37) 2-Methylnaphthalene	8.869	142	81443	4.627	ng	98
38) 1-Methylnaphthalene	8.969	142	68058	4.005	ng	97
49) Acenaphthylene	9.775	152	76444	3.830	ng	97
52) Acenaphthene	9.945	154	44454	3.410	ng	97
55) Dibenzofuran	10.116	168	62227	3.463	ng	# 90
58) Fluorene	10.463	166	47392	3.296	ng	# 92
67) 4-Bromophenyl-phenylether	10.704	248	8222	2.357	ng	# 1
71) Phenanthrene	11.428	178	768820	44.209	ng	99
72) Anthracene	11.480	178	219347	12.835	ng	99
73) Carbazole	11.639	167	102207	6.353	ng	99
75) Fluoranthene	12.622	202	1502928	85.293	ng	98
78) Pyrene	12.857	202	1452659	55.771	ng	99
81) Benzo(a)anthracene	14.045	228	1139651	53.562	ng	95
83) Chrysene	14.080	228	998383	49.788	ng	96
87) Indeno(1,2,3-cd)pyrene	17.051	276	610631	32.847	ng	95
88) Benzo(b)fluoranthene	15.110	252	2015158	110.046	ng	# 96
89) Benzo(k)fluoranthene	15.110	252	2015158	112.296	ng	97
90) Benzo(a)pyrene	15.486	252	1043148	70.174	ng	97
91) Dibenzo(a,h)anthracene	17.280	278	80917	5.348	ng	92
92) Benzo(g,h,i)perylene	17.515	276	572144	37.005	ng	98

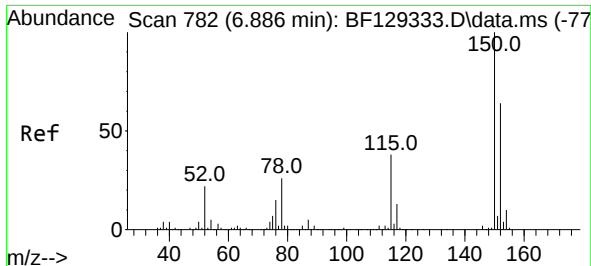
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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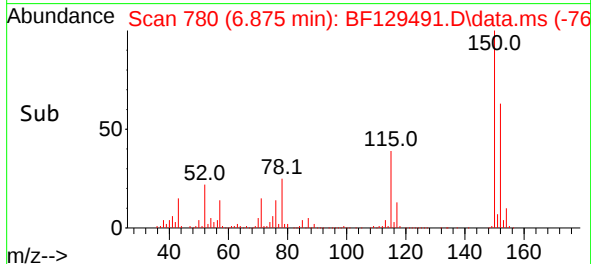
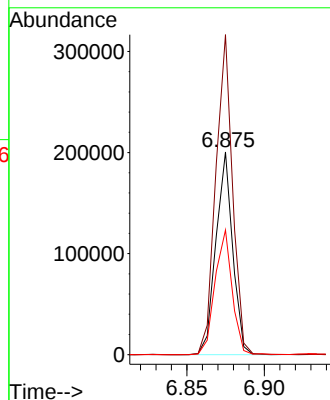
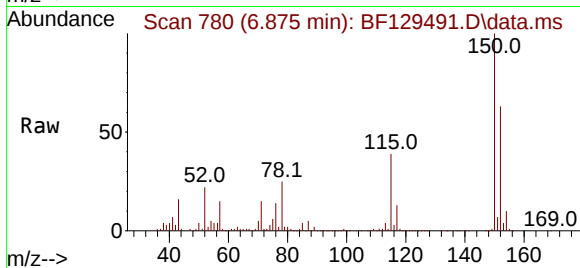




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF129491.D
Acq: 02 Aug 2022 00:40

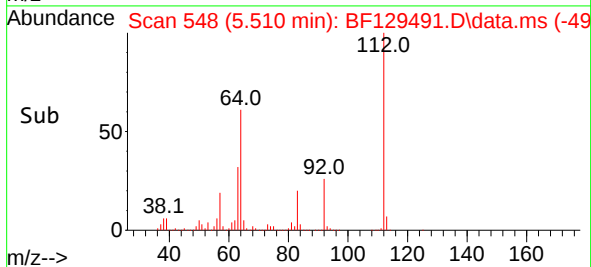
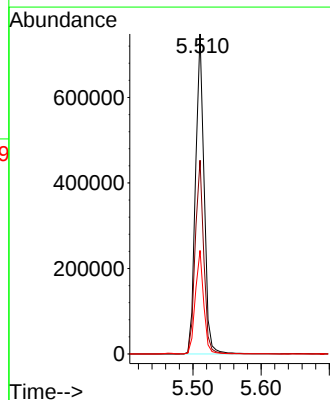
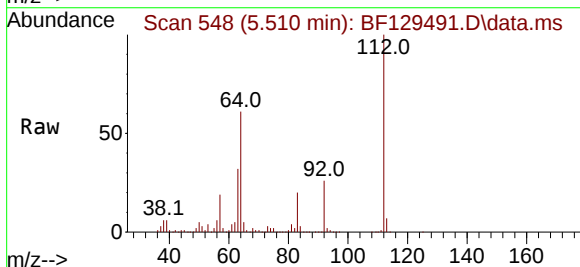
Instrument :
BNA_F
ClientSampleId :
TP3-0729

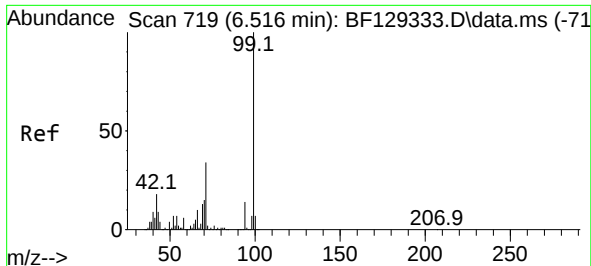
Tgt Ion:152 Resp: 150733
Ion Ratio Lower Upper
152 100
150 157.9 123.7 185.5
115 61.5 49.9 74.9



#5
2-Fluorophenol
Concen: 70.542 ng
RT: 5.510 min Scan# 548
Delta R.T. 0.006 min
Lab File: BF129491.D
Acq: 02 Aug 2022 00:40

Tgt Ion:112 Resp: 652729
Ion Ratio Lower Upper
112 100
64 60.5 53.3 79.9
63 32.4 28.0 42.0





#7

Phenol-d6

Concen: 69.819 ng

RT: 6.522 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF129491.D

Acq: 02 Aug 2022 00:40

Instrument :

BNA_F

ClientSampleId :

TP3-0729

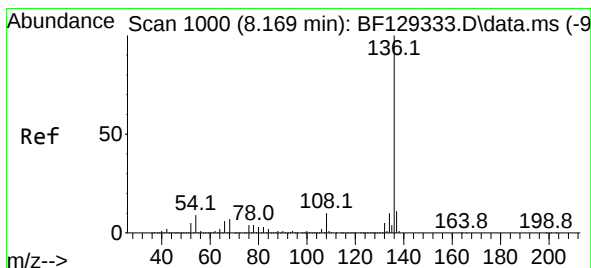
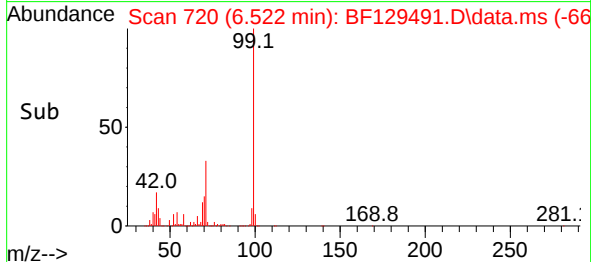
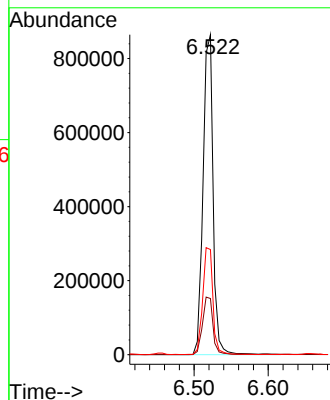
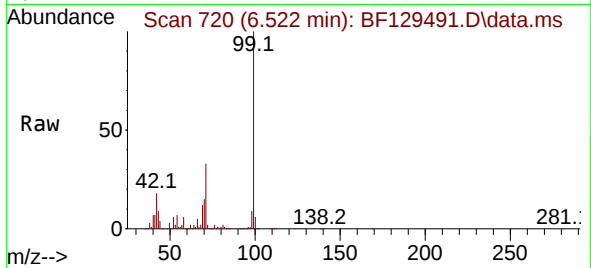
Tgt Ion: 99 Resp: 812033

Ion Ratio Lower Upper

99 100

42 17.5 17.3 25.9

71 32.9 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: BF129491.D

Acq: 02 Aug 2022 00:40

Tgt Ion: 136 Resp: 533103

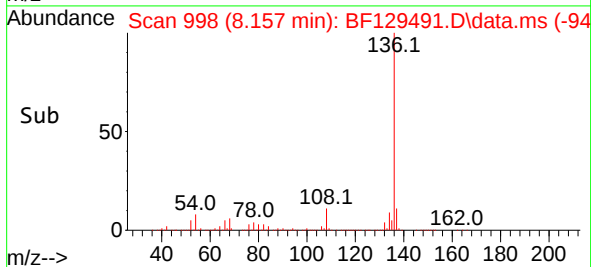
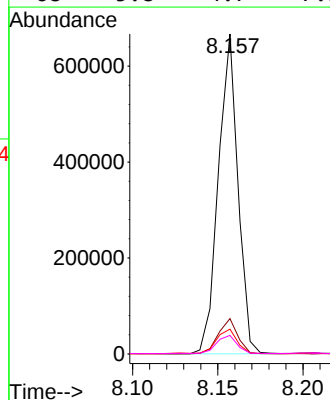
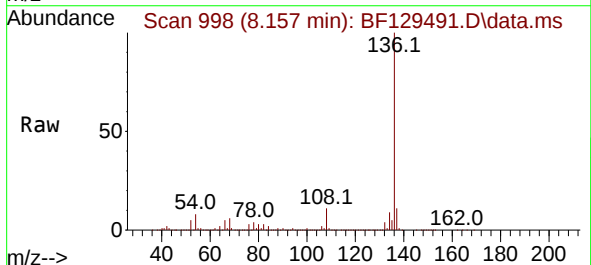
Ion Ratio Lower Upper

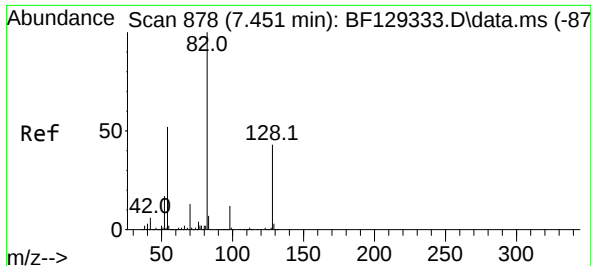
136 100

137 11.1 8.8 13.2

54 7.7 7.5 11.3

68 5.8 4.7 7.1





#23

Nitrobenzene-d5

Concen: 54.619 ng

RT: 7.440 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF129491.D

Acq: 02 Aug 2022 00:40

Instrument :

BNA_F

ClientSampleId :

TP3-0729

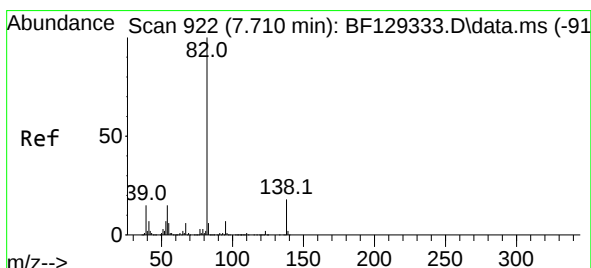
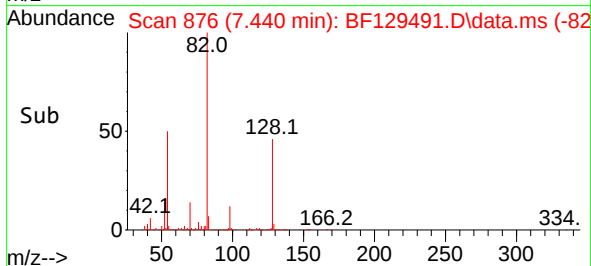
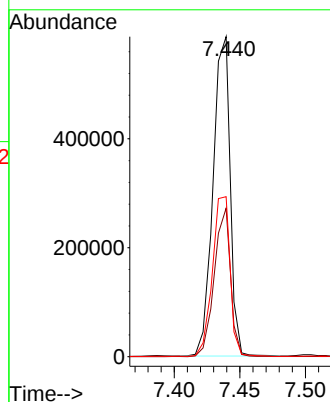
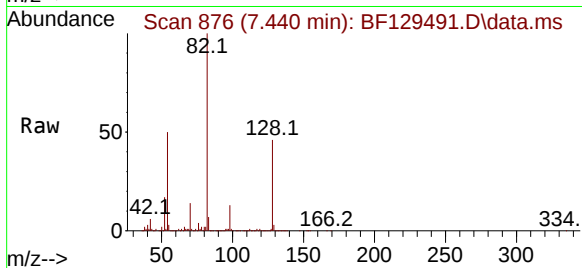
Tgt Ion: 82 Resp: 533402

Ion Ratio Lower Upper

82 100

128 46.4 34.0 51.0

54 50.0 46.9 70.3



#25

Isophorone

Concen: 30.471 ng

RT: 7.440 min Scan# 876

Delta R.T. -0.259 min

Lab File: BF129491.D

Acq: 02 Aug 2022 00:40

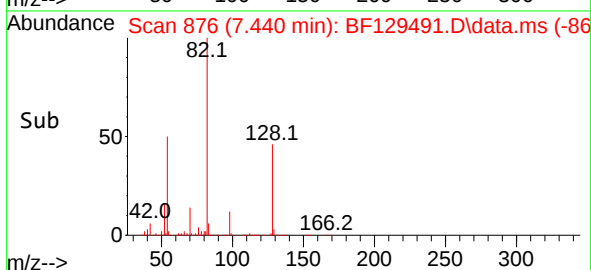
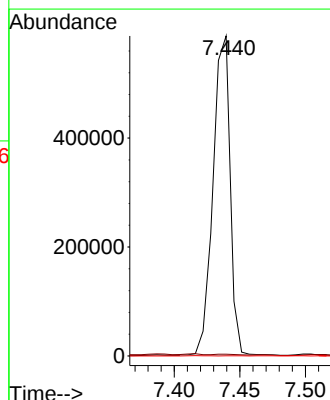
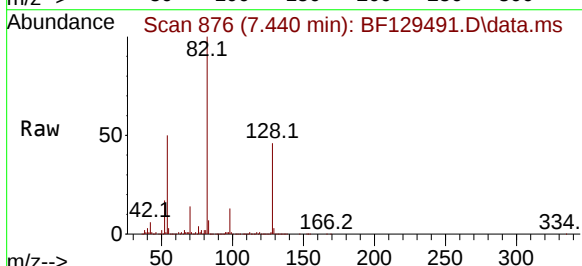
Tgt Ion: 82 Resp: 533402

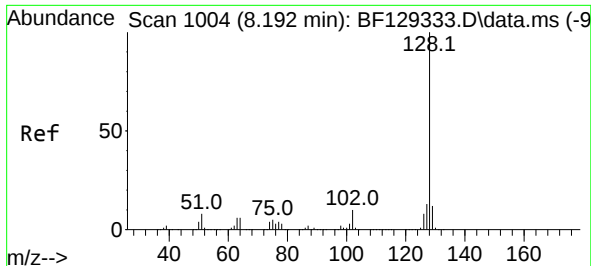
Ion Ratio Lower Upper

82 100

95 0.6 5.7 8.5#

138 0.0 14.2 21.2#

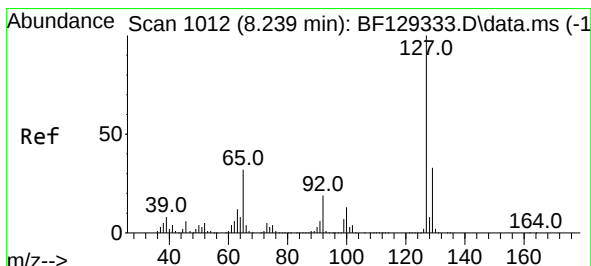
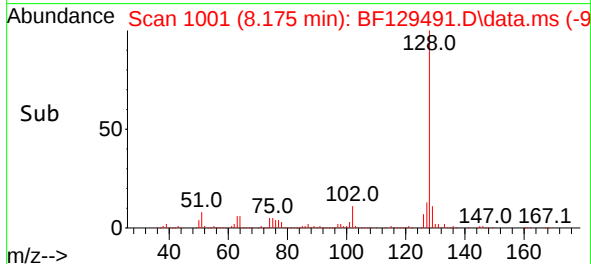
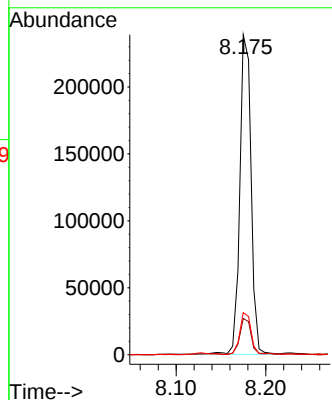
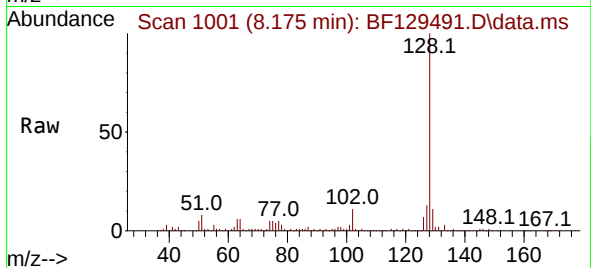




#31
Naphthalene
Concen: 7.675 ng
RT: 8.175 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BF129491.D
Acq: 02 Aug 2022 00:40

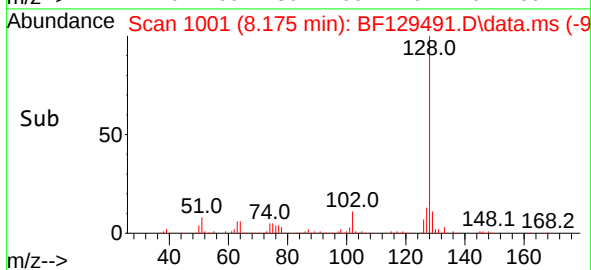
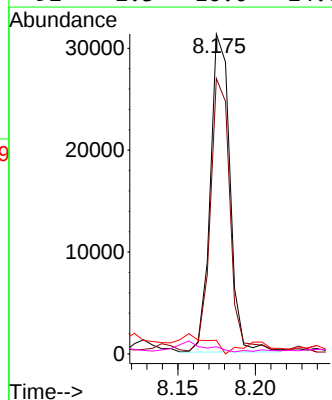
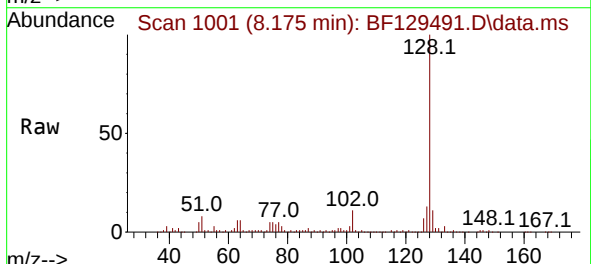
Instrument :
BNA_F
ClientSampleId :
TP3-0729

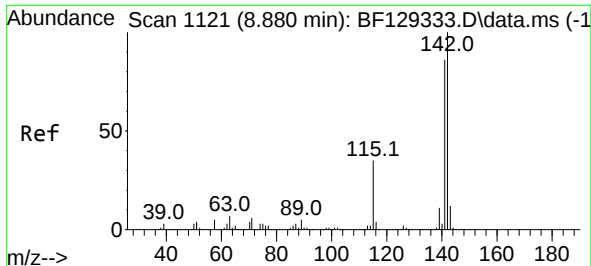
Tgt Ion:128 Resp: 207889
Ion Ratio Lower Upper
128 100
129 11.3 9.2 13.8
127 13.1 10.5 15.7



#33
4-Chloroaniline
Concen: 2.478 ng
RT: 8.175 min Scan# 1001
Delta R.T. -0.059 min
Lab File: BF129491.D
Acq: 02 Aug 2022 00:40

Tgt Ion:127 Resp: 27557
Ion Ratio Lower Upper
127 100
129 86.1 26.4 39.6#
65 4.2 26.4 39.6#
92 2.3 16.0 24.0#

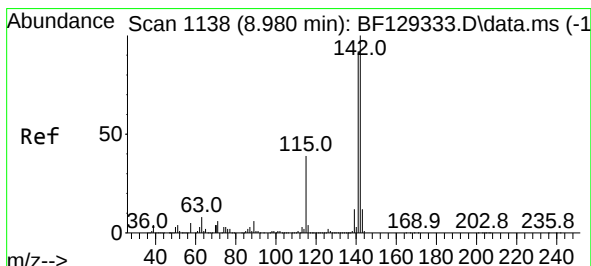
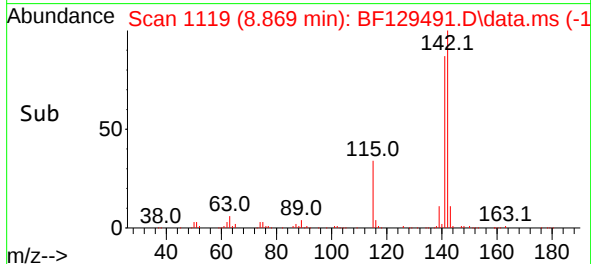
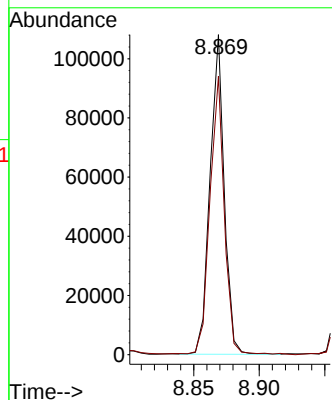
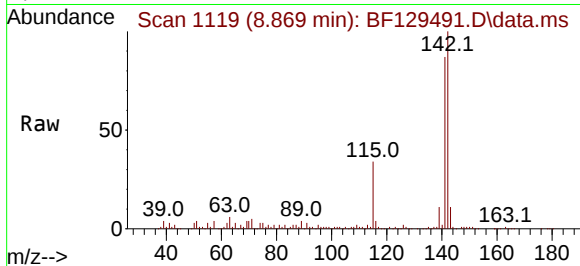




#37
2-Methylnaphthalene
Concen: 4.627 ng
RT: 8.869 min Scan# 1119
Delta R.T. 0.000 min
Lab File: BF129491.D
Acq: 02 Aug 2022 00:40

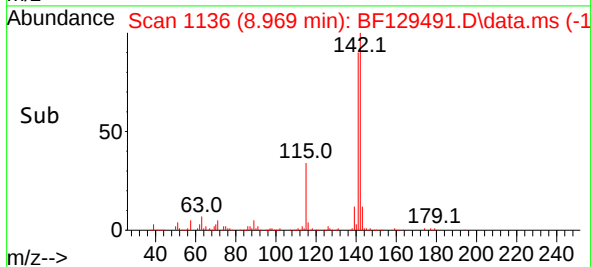
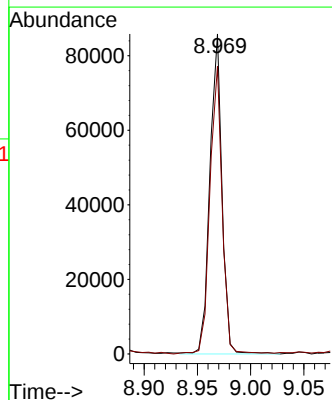
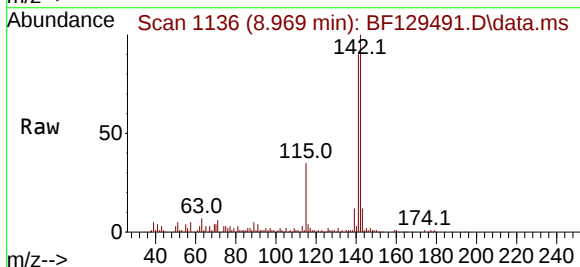
Instrument :
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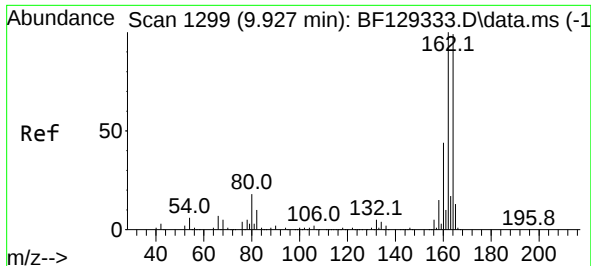
Tgt Ion:142 Resp: 81443
Ion Ratio Lower Upper
142 100
141 87.0 71.0 106.4



#38
1-Methylnaphthalene
Concen: 4.005 ng
RT: 8.969 min Scan# 1136
Delta R.T. 0.000 min
Lab File: BF129491.D
Acq: 02 Aug 2022 00:40

Tgt Ion:142 Resp: 68058
Ion Ratio Lower Upper
142 100
141 90.0 74.2 111.4

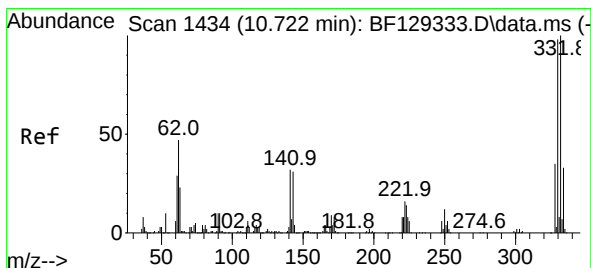
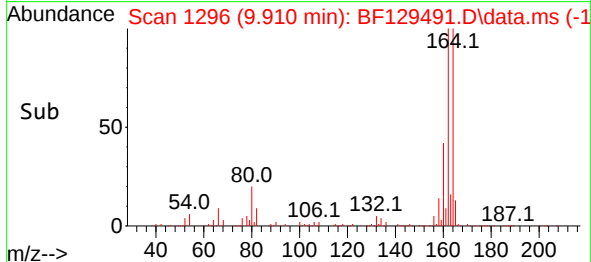
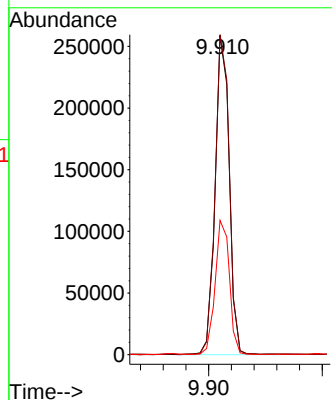
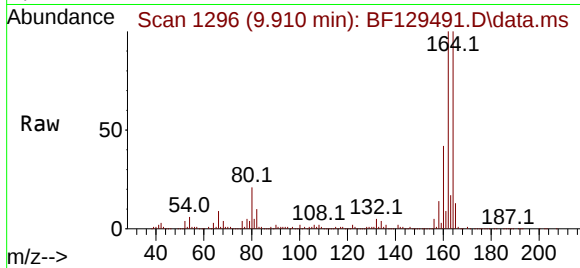




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BF129491.D
Acq: 02 Aug 2022 00:40

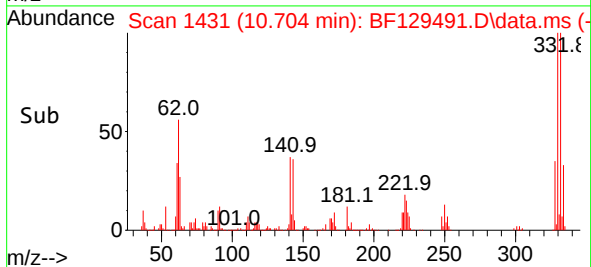
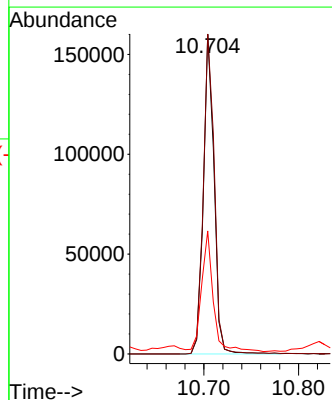
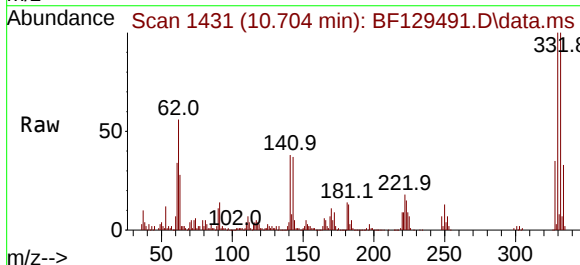
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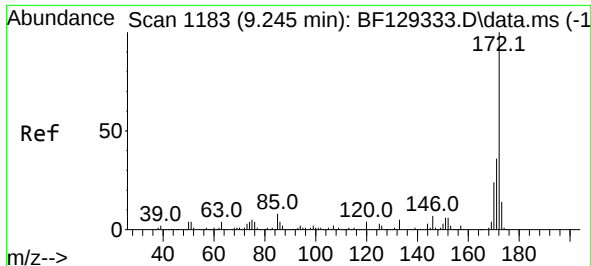
Tgt Ion:164 Resp: 222624
Ion Ratio Lower Upper
164 100
162 100.4 79.5 119.3
160 42.1 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 58.694 ng
RT: 10.704 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF129491.D
Acq: 02 Aug 2022 00:40

Tgt Ion:330 Resp: 125627
Ion Ratio Lower Upper
330 100
332 104.0 76.8 115.2
141 40.9 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 55.445 ng

RT: 9.228 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF129491.D

Acq: 02 Aug 2022 00:40

Instrument :

BNA_F

ClientSampleId :

TP3-0729

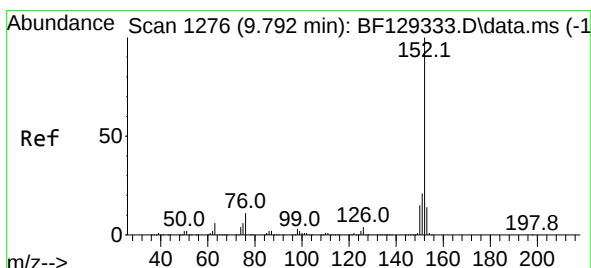
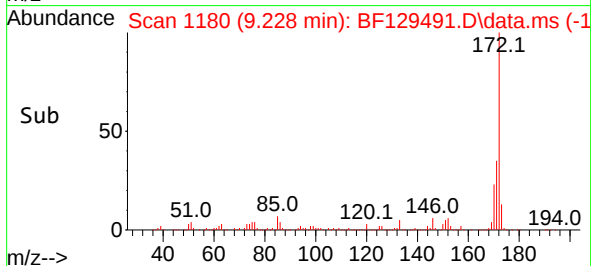
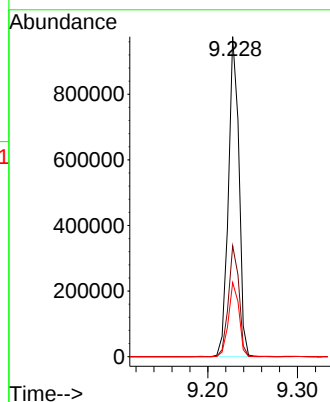
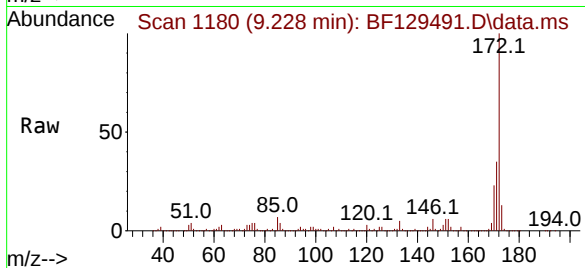
Tgt Ion:172 Resp: 797914

Ion Ratio Lower Upper

172 100

171 34.6 28.8 43.2

170 23.2 19.8 29.8



#49

Acenaphthylene

Concen: 3.830 ng

RT: 9.775 min Scan# 1273

Delta R.T. -0.006 min

Lab File: BF129491.D

Acq: 02 Aug 2022 00:40

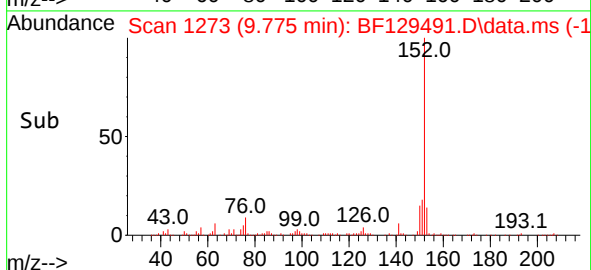
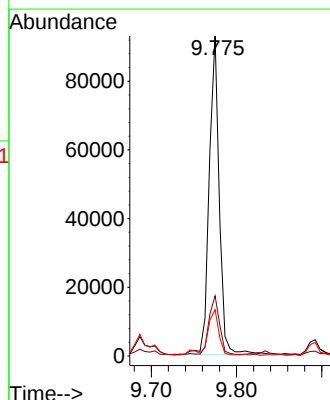
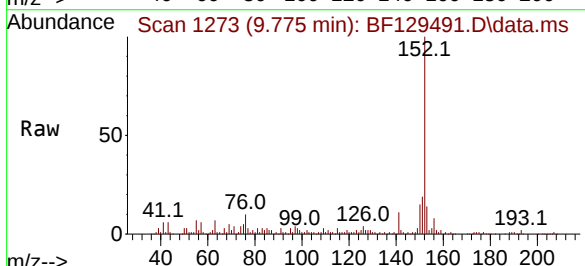
Tgt Ion:152 Resp: 76444

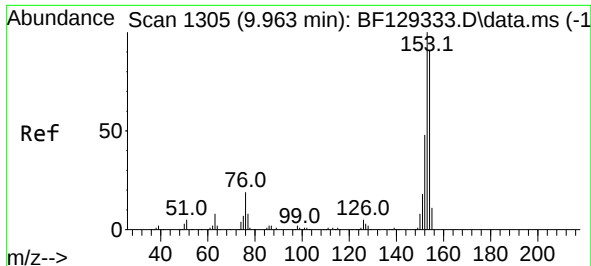
Ion Ratio Lower Upper

152 100

151 18.8 16.2 24.4

153 14.4 10.7 16.1

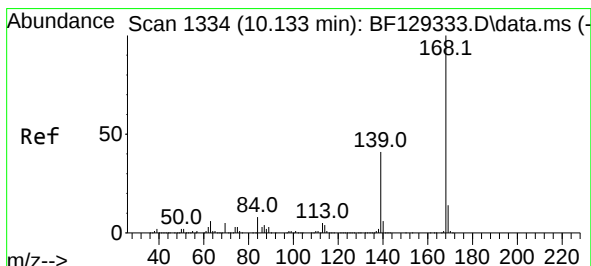
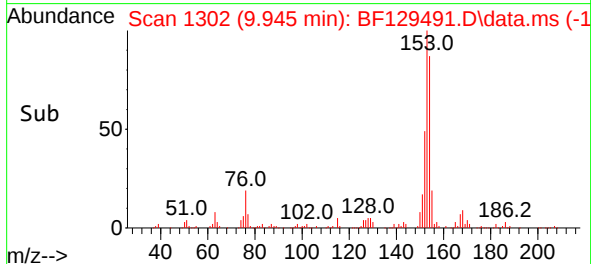
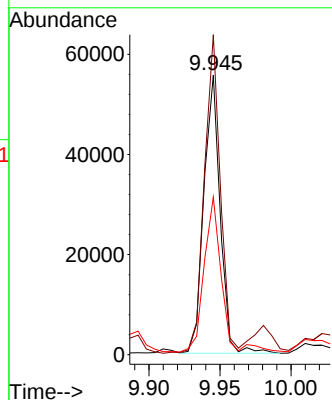
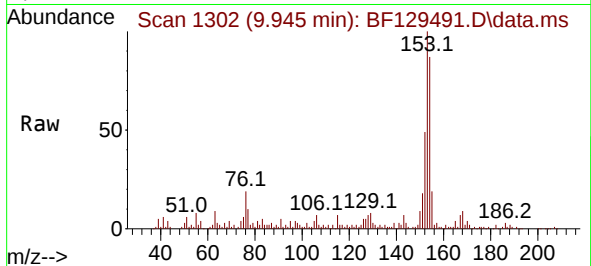




#52
Acenaphthene
Concen: 3.410 ng
RT: 9.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129491.D
Acq: 02 Aug 2022 00:40

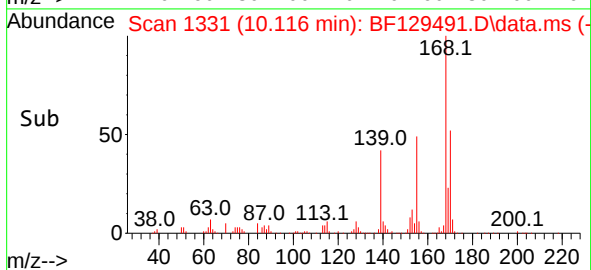
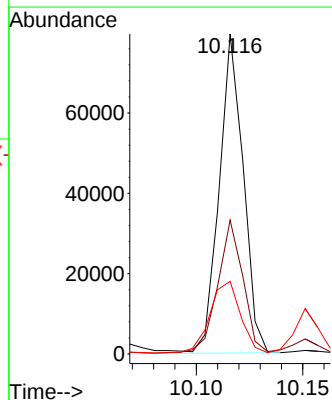
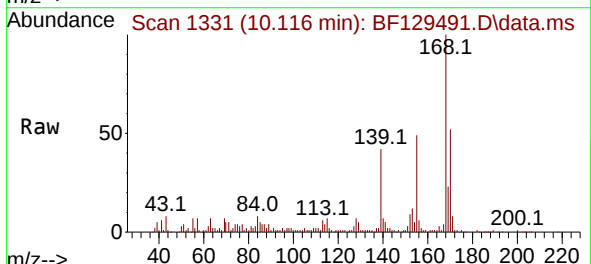
Instrument :
BNA_F
ClientSampleId :
TP3-0729

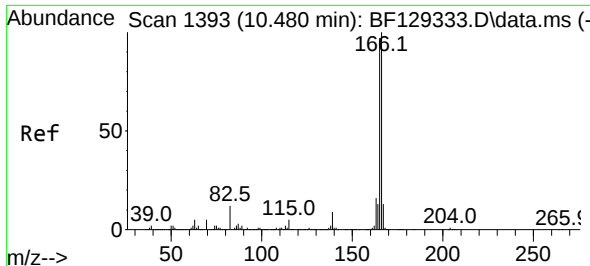
Tgt Ion:154 Resp: 44454
Ion Ratio Lower Upper
154 100
153 114.4 89.6 134.4
152 56.3 42.4 63.6



#55
Dibenzofuran
Concen: 3.463 ng
RT: 10.116 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF129491.D
Acq: 02 Aug 2022 00:40

Tgt Ion:168 Resp: 62227
Ion Ratio Lower Upper
168 100
139 41.9 30.6 46.0
169 22.7 11.0 16.6#

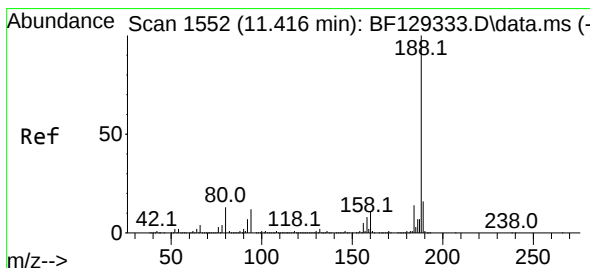
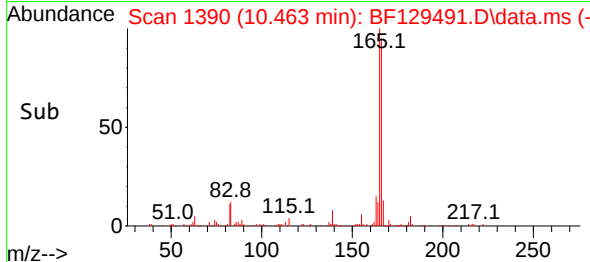
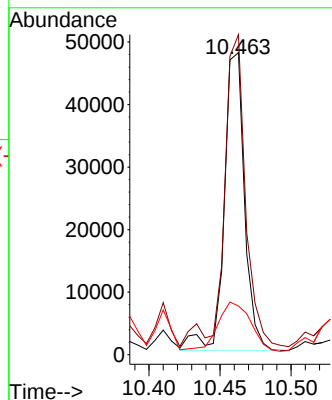
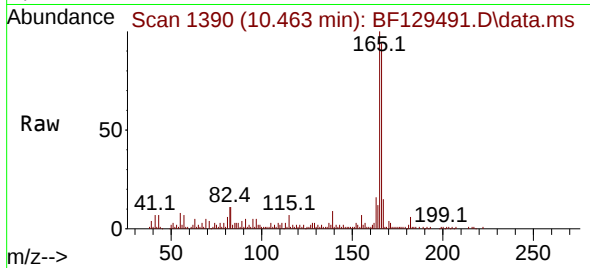




#58
 Fluorene
 Concen: 3.296 ng
 RT: 10.463 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129491.D
 Acq: 02 Aug 2022 00:40

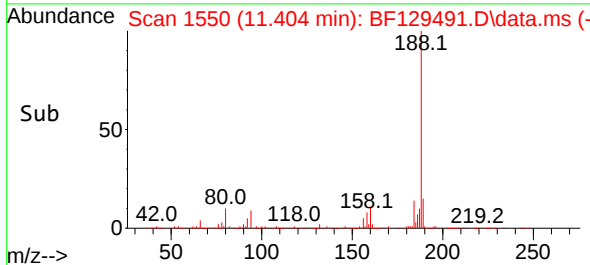
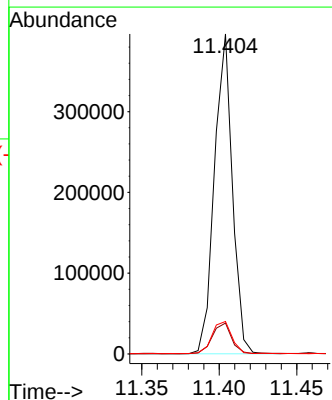
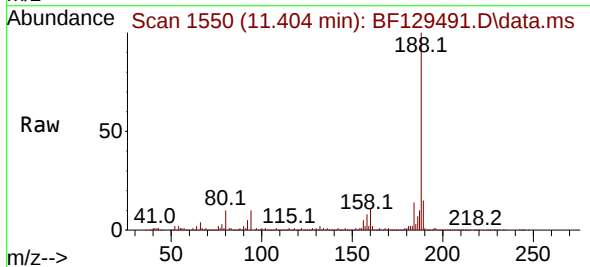
Instrument :
 BNA_F
 ClientSampleId :
 TP3-0729

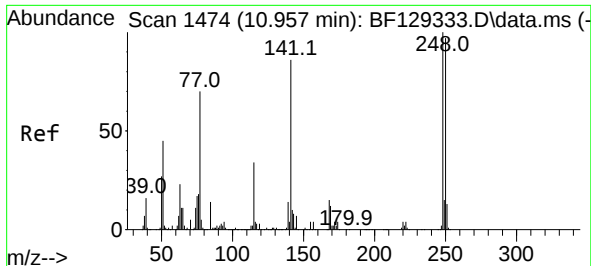
Tgt Ion:166 Resp: 47392
 Ion Ratio Lower Upper
 166 100
 165 105.9 78.1 117.1
 167 16.1 10.5 15.7#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.404 min Scan# 1550
 Delta R.T. 0.000 min
 Lab File: BF129491.D
 Acq: 02 Aug 2022 00:40

Tgt Ion:188 Resp: 318584
 Ion Ratio Lower Upper
 188 100
 94 9.6 7.0 10.6
 80 10.2 7.6 11.4

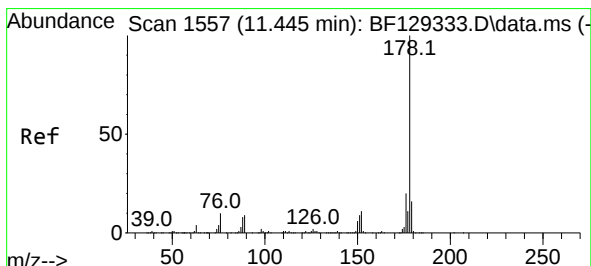
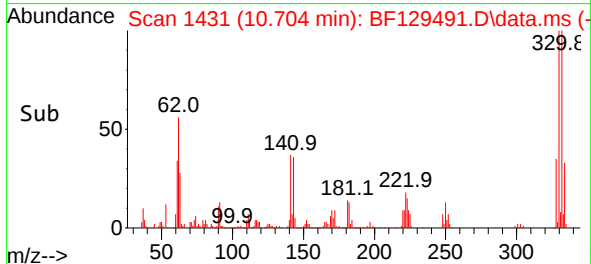
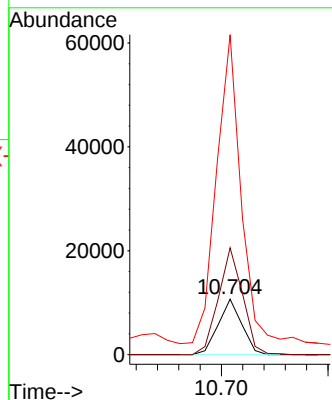
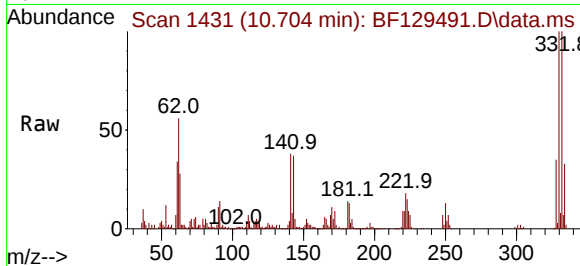




#67
4-Bromophenyl-phenylether
Concen: 2.357 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF129491.D
Acq: 02 Aug 2022 00:40

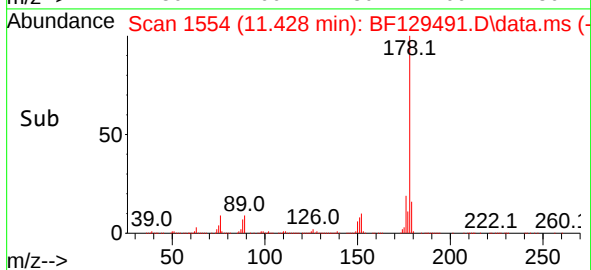
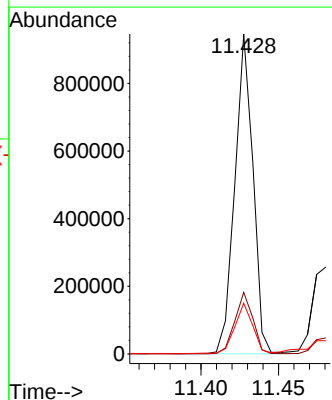
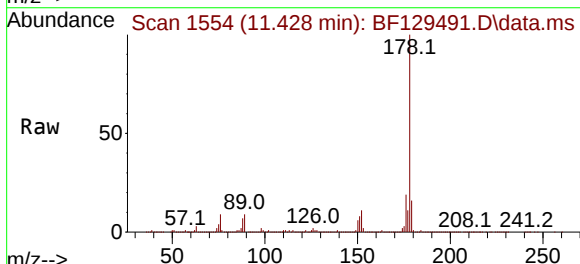
Instrument :
BNA_F
ClientSampleId :
TP3-0729

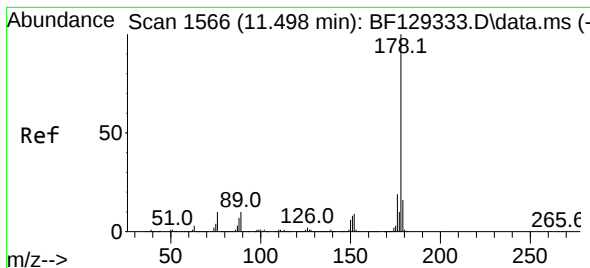
Tgt Ion:248 Resp: 8222
Ion Ratio Lower Upper
248 100
250 192.3 80.6 120.8#
141 576.1 58.9 88.3#



#71
Phenanthrene
Concen: 44.209 ng
RT: 11.428 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BF129491.D
Acq: 02 Aug 2022 00:40

Tgt Ion:178 Resp: 768820
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.8 12.6 19.0





#72

Anthracene

Concen: 12.835 ng

RT: 11.480 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF129491.D

Acq: 02 Aug 2022 00:40

Instrument :

BNA_F

ClientSampleId :

TP3-0729

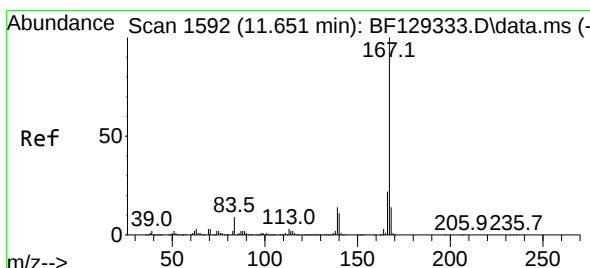
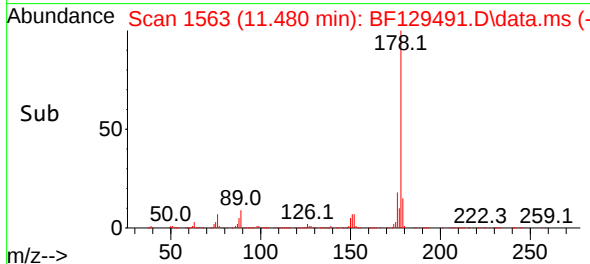
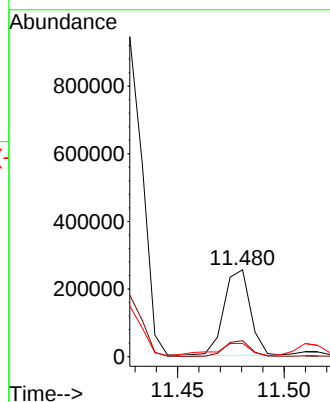
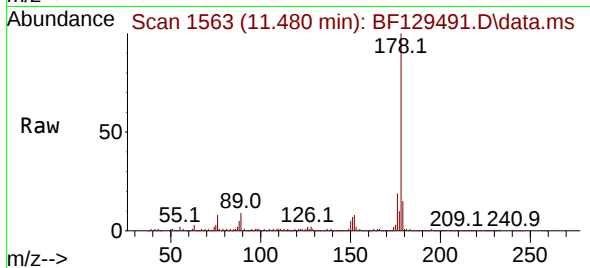
Tgt Ion:178 Resp: 219347

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.2

179 15.4 12.6 19.0



#73

Carbazole

Concen: 6.353 ng

RT: 11.639 min Scan# 1590

Delta R.T. 0.000 min

Lab File: BF129491.D

Acq: 02 Aug 2022 00:40

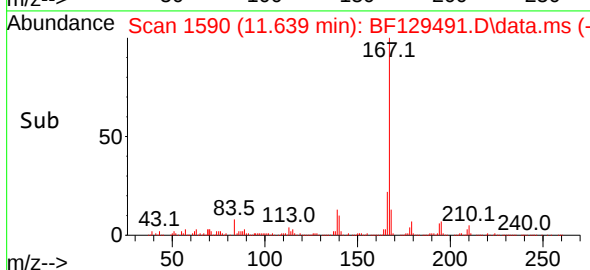
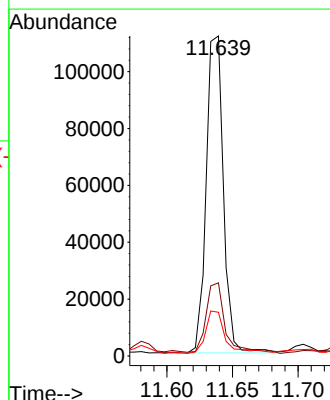
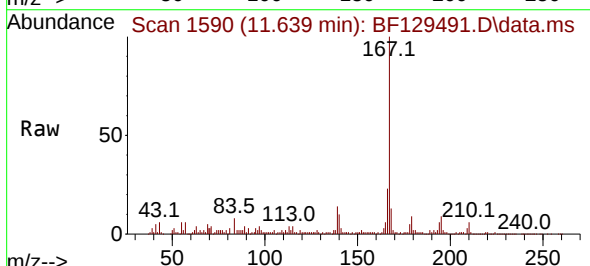
Tgt Ion:167 Resp: 102207

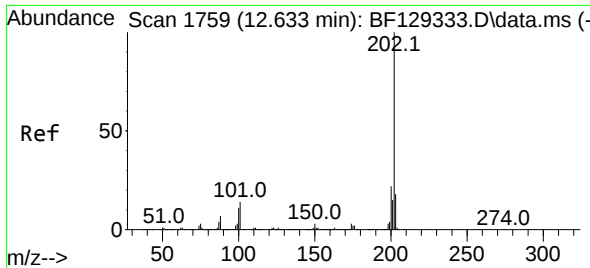
Ion Ratio Lower Upper

167 100

166 22.9 17.7 26.5

139 13.6 11.2 16.8

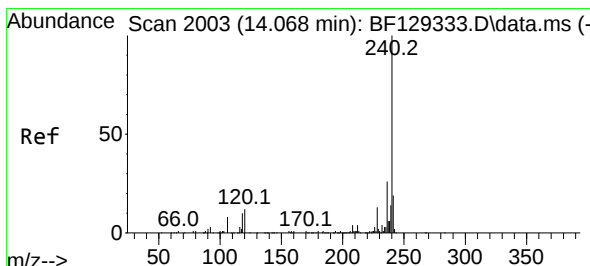
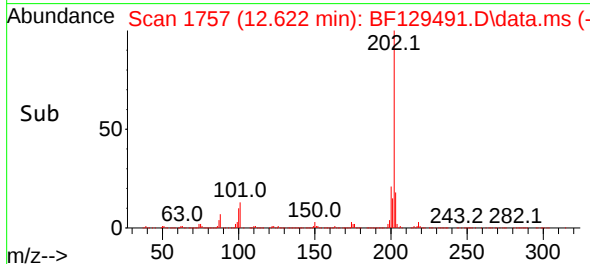
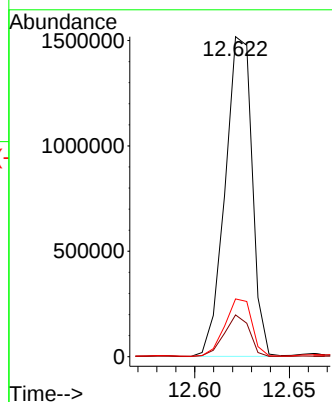
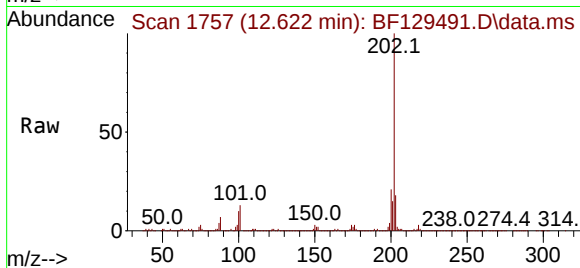




#75
Fluoranthene
Concen: 85.293 ng
RT: 12.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF129491.D
Acq: 02 Aug 2022 00:40

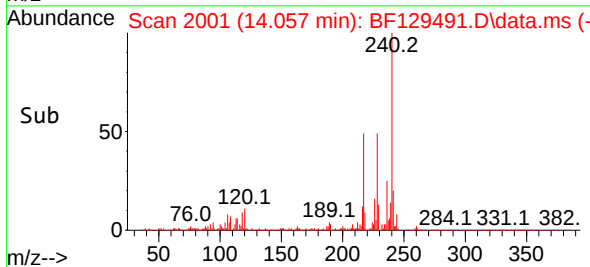
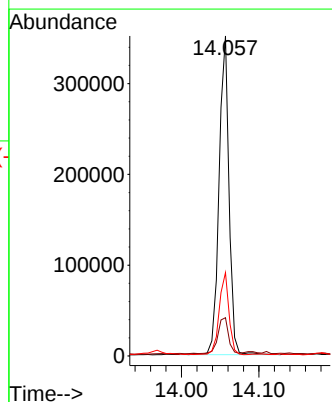
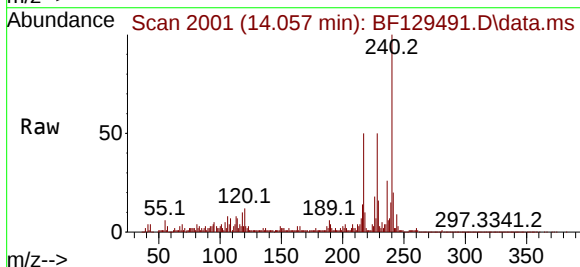
Instrument :
BNA_F
ClientSampleId :
TP3-0729

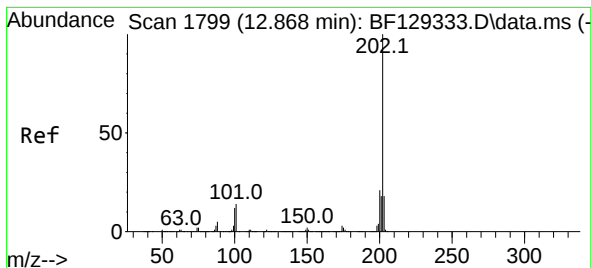
Tgt Ion:202 Resp: 1502928
Ion Ratio Lower Upper
202 100
101 13.1 0.0 31.4
203 18.0 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2001
Delta R.T. 0.006 min
Lab File: BF129491.D
Acq: 02 Aug 2022 00:40

Tgt Ion:240 Resp: 311480
Ion Ratio Lower Upper
240 100
120 12.0 8.9 13.3
236 26.1 20.8 31.2





#78

Pyrene

Concen: 55.771 ng

RT: 12.857 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF129491.D

Acq: 02 Aug 2022 00:40

Instrument :

BNA_F

ClientSampleId :

TP3-0729

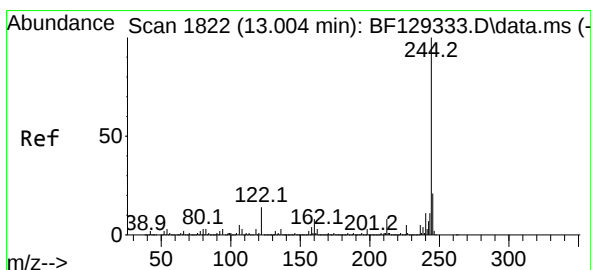
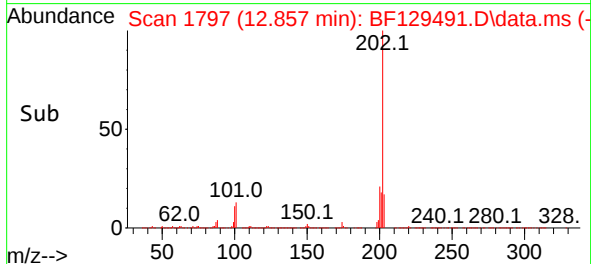
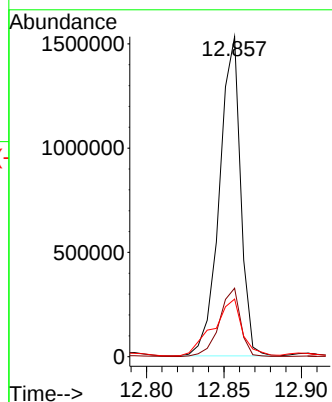
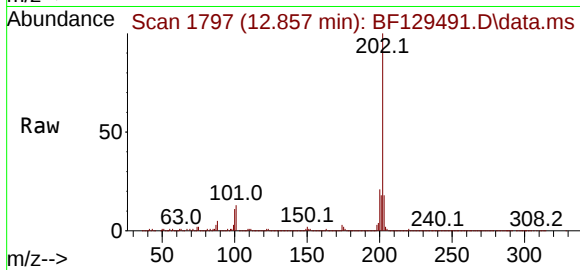
Tgt Ion:202 Resp: 1452659

Ion Ratio Lower Upper

202 100

200 21.4 17.7 26.5

203 18.0 14.6 21.8



#79

Terphenyl-d14

Concen: 40.461 ng

RT: 12.986 min Scan# 1819

Delta R.T. 0.000 min

Lab File: BF129491.D

Acq: 02 Aug 2022 00:40

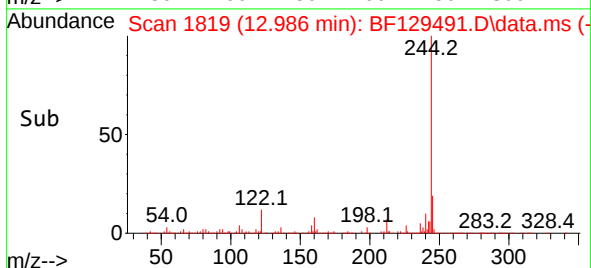
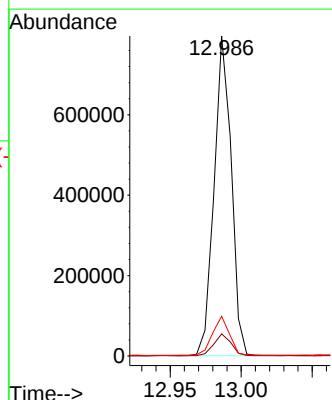
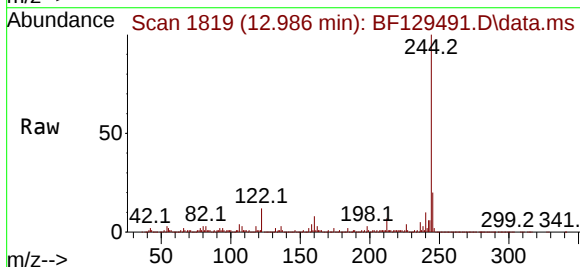
Tgt Ion:244 Resp: 668017

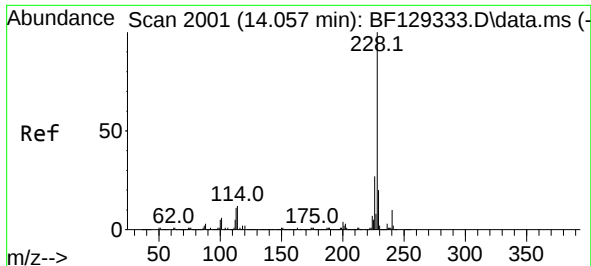
Ion Ratio Lower Upper

244 100

212 6.9 6.1 9.1

122 12.4 8.8 13.2

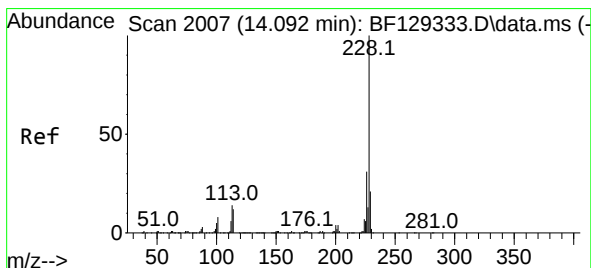
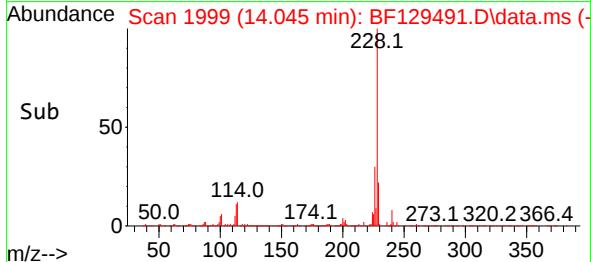
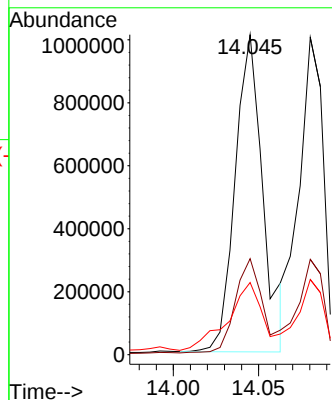
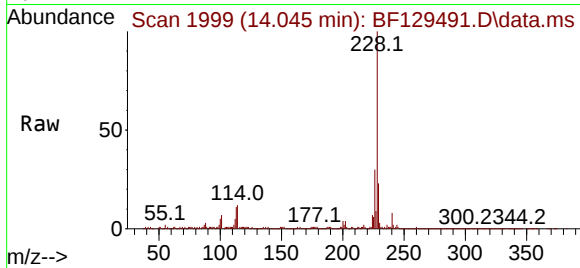




#81
Benzo(a)anthracene
Concen: 53.562 ng
RT: 14.045 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF129491.D
Acq: 02 Aug 2022 00:40

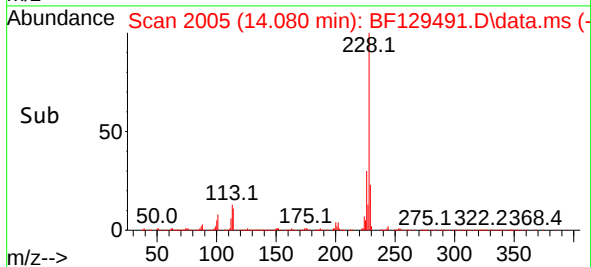
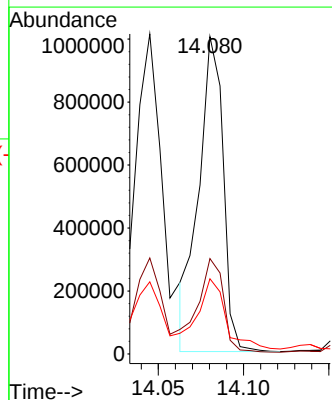
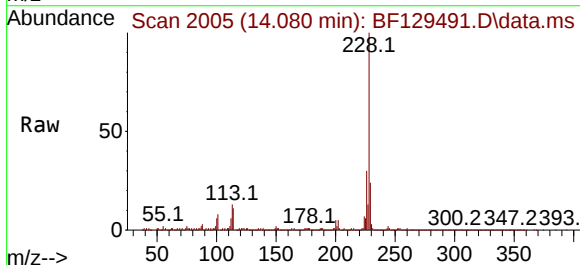
Instrument :
BNA_F
ClientSampleId :
TP3-0729

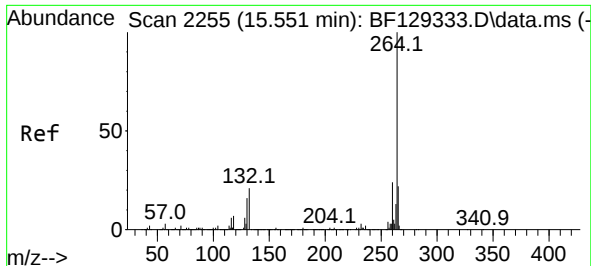
Tgt Ion:228 Resp: 1139651
Ion Ratio Lower Upper
228 100
226 30.0 22.1 33.1
229 22.5 15.8 23.8



#83
Chrysene
Concen: 49.788 ng
RT: 14.080 min Scan# 2005
Delta R.T. 0.006 min
Lab File: BF129491.D
Acq: 02 Aug 2022 00:40

Tgt Ion:228 Resp: 998383
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 23.7 15.9 23.9

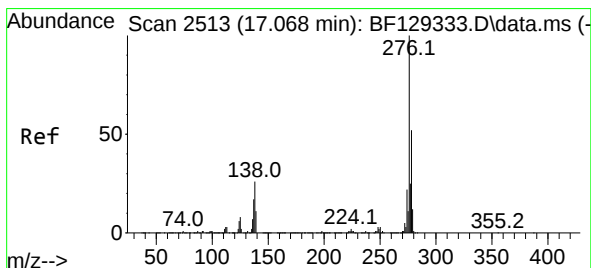
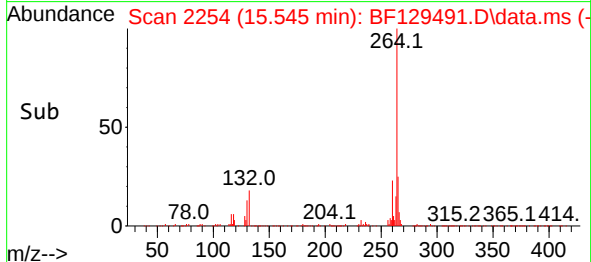
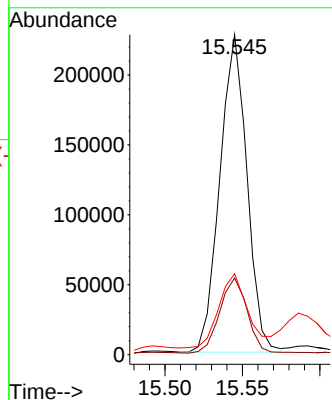
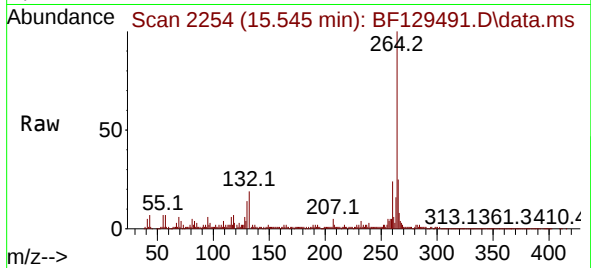




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BF129491.D
 Acq: 02 Aug 2022 00:40

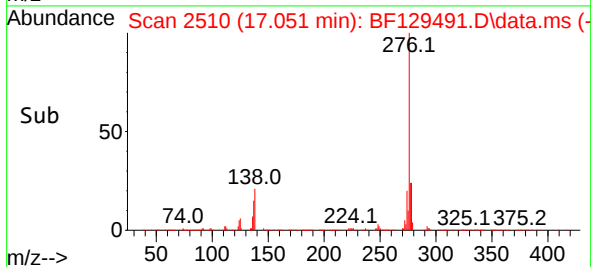
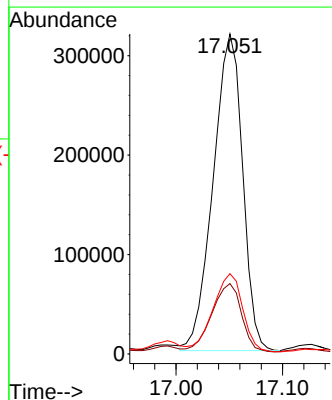
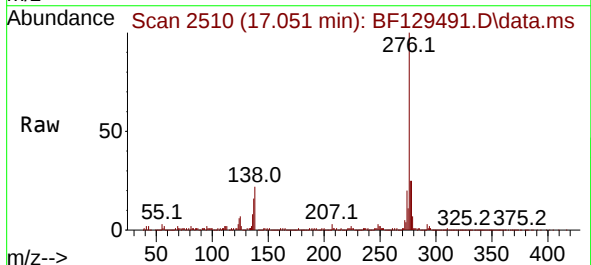
Instrument :
 BNA_F
 ClientSampleId :
 TP3-0729

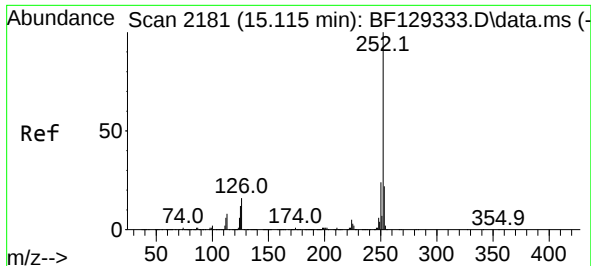
Tgt Ion:264 Resp: 276060
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.4 27.6
 265 25.3 17.2 25.8



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 32.847 ng
 RT: 17.051 min Scan# 2510
 Delta R.T. 0.018 min
 Lab File: BF129491.D
 Acq: 02 Aug 2022 00:40

Tgt Ion:276 Resp: 610631
 Ion Ratio Lower Upper
 276 100
 138 21.9 21.1 31.7
 277 24.9 20.3 30.5

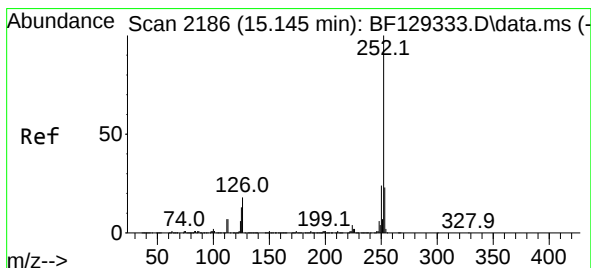
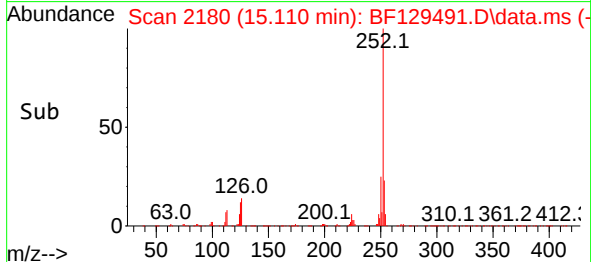
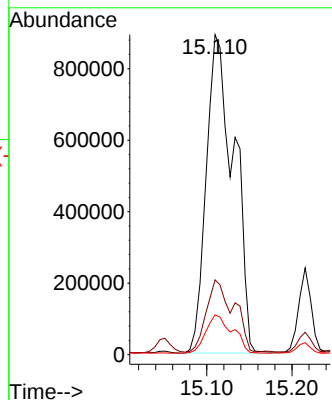
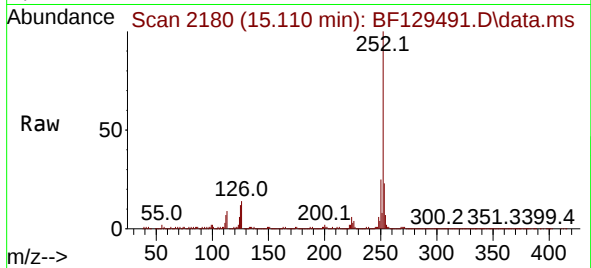




#88
Benzo(b)fluoranthene
Concen: 110.046 ng
RT: 15.110 min Scan# 2181
Delta R.T. 0.018 min
Lab File: BF129491.D
Acq: 02 Aug 2022 00:40

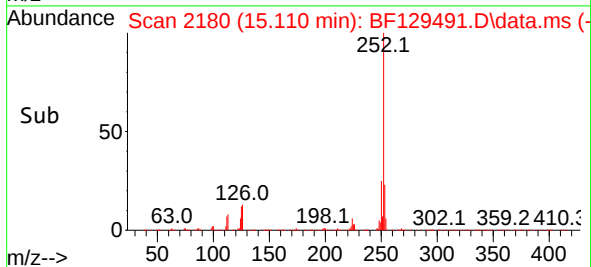
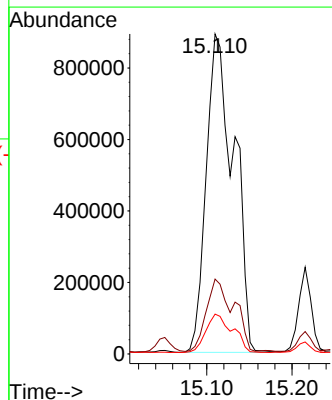
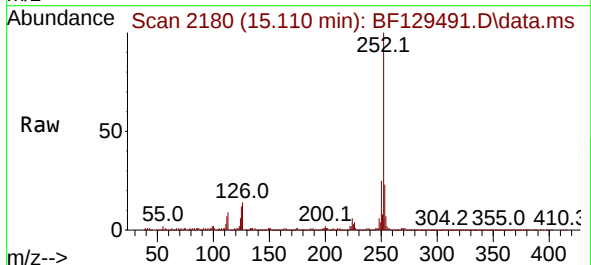
Instrument :
BNA_F
ClientSampleId :
TP3-0729

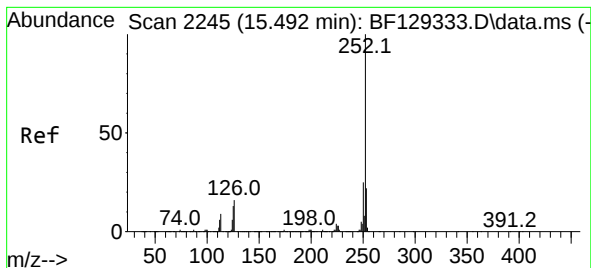
Tgt Ion:252 Resp: 2015158
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 12.4 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 112.296 ng
RT: 15.110 min Scan# 2180
Delta R.T. -0.012 min
Lab File: BF129491.D
Acq: 02 Aug 2022 00:40

Tgt Ion:252 Resp: 2015158
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 12.4 8.3 12.5





#90

Benzo(a)pyrene

Concen: 70.174 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF129491.D

Acq: 02 Aug 2022 00:40

Instrument :

BNA_F

ClientSampleId :

TP3-0729

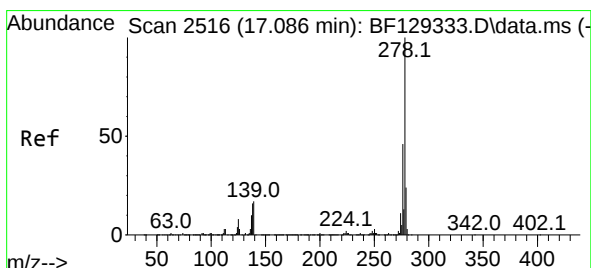
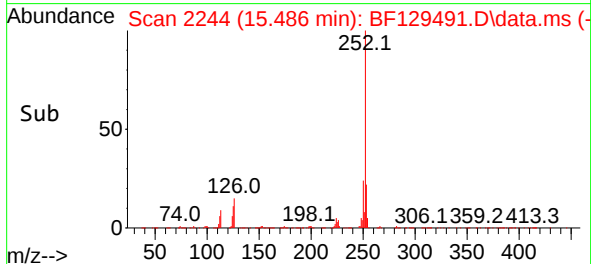
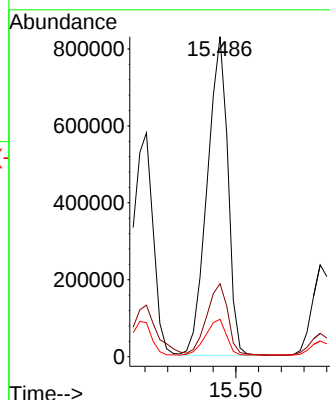
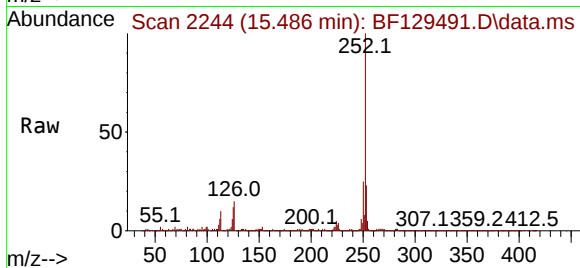
Tgt Ion:252 Resp: 1043148

Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.6

125 11.7 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 5.348 ng

RT: 17.280 min Scan# 2549

Delta R.T. 0.235 min

Lab File: BF129491.D

Acq: 02 Aug 2022 00:40

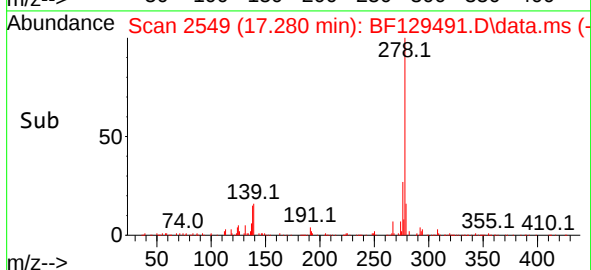
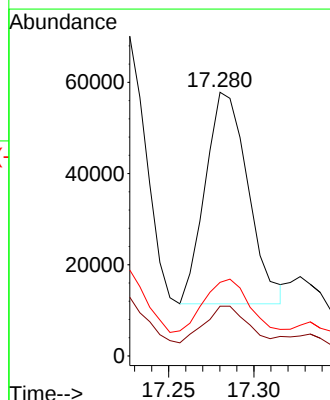
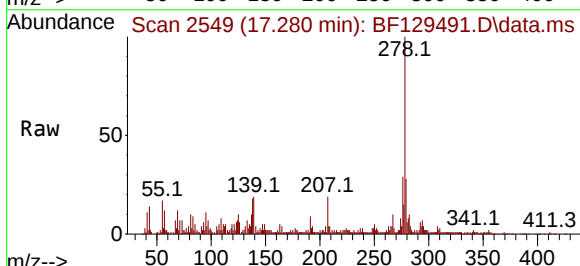
Tgt Ion:278 Resp: 80917

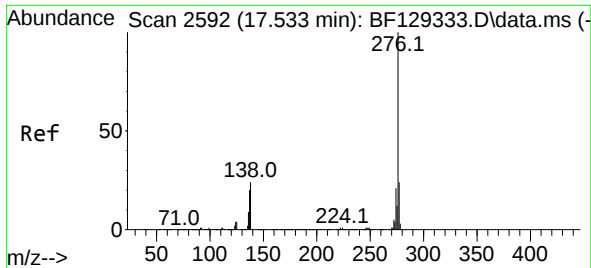
Ion Ratio Lower Upper

278 100

139 18.8 12.8 19.2

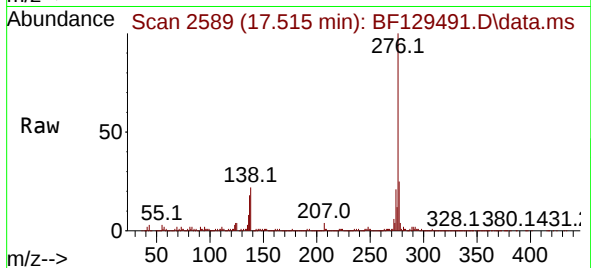
279 27.9 18.6 28.0





#92
Benzo(g,h,i)perylene
Concen: 37.005 ng
RT: 17.515 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF129491.D
Acq: 02 Aug 2022 00:40

Instrument :
BNA_F
ClientSampleId :
TP3-0729



Tgt Ion: 276 Resp: 572144
Ion Ratio Lower Upper
276 100
277 24.6 19.1 28.7
138 21.7 18.0 27.0

