

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080522\
 Data File : BF129621.D
 Acq On : 06 Aug 2022 02:53
 Operator : CG\JU
 Sample : N4061-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP1-0804

Quant Time: Aug 08 02:18:20 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 16:27:34 2022
 Response via : Initial Calibration

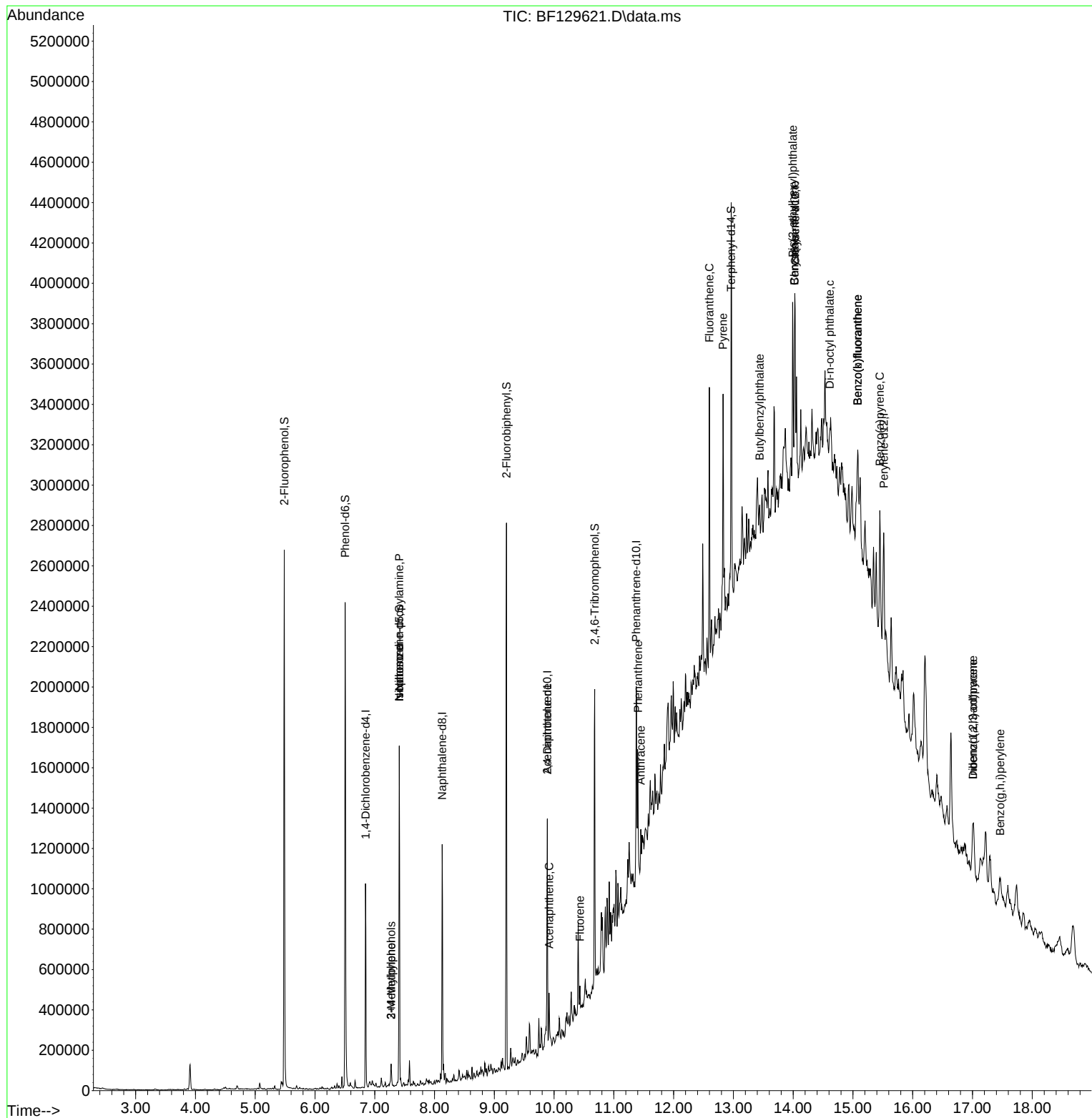
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	135859	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	478836	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	212666	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	335157	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	257035	20.000	ng	0.00
86) Perylene-d12	15.515	264	209996	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	694869	83.317	ng	0.00
7) Phenol-d6	6.504	99	822129	78.426	ng	0.00
23) Nitrobenzene-d5	7.410	82	494720	56.399	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	158349	77.446	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	762414	55.459	ng	0.00
79) Terphenyl-d14	12.963	244	713193	52.347	ng	0.00
Target Compounds						
17) 2-Methylphenol	7.275	107	26503	3.506	ng	# 67
19) n-Nitroso-di-n-propyla...	7.410	70	66632	10.499	ng	# 72
20) 3+4-Methylphenols	7.275	107	26503	2.758	ng	# 69
25) Isophorone	7.410	82	493238	31.370	ng	# 65
52) Acenaphthene	9.916	154	39452	3.168	ng	96
57) 2,4-Dinitrotoluene	9.886	165	29908	6.967	ng	# 22
58) Fluorene	10.433	166	31359	2.283	ng	97
71) Phenanthrene	11.404	178	220613	12.058	ng	98
72) Anthracene	11.451	178	68131	3.789	ng	96
75) Fluoranthene	12.598	202	518346	27.962	ng	98
78) Pyrene	12.827	202	461191	21.457	ng	99
80) Butylbenzylphthalate	13.439	149	21867	2.345	ng	89
81) Benzo(a)anthracene	14.021	228	195699	11.146	ng	95
83) Chrysene	14.021	228	195699	11.826	ng	95
84) Bis(2-ethylhexyl)phtha...	13.992	149	263458	21.465	ng	99
85) Di-n-octyl phthalate	14.610	149	64326	3.642	ng	# 72
87) Indeno(1,2,3-cd)pyrene	17.009	276	113492	8.026	ng	95
88) Benzo(b)fluoranthene	15.080	252	353578	25.383	ng	# 82
89) Benzo(k)fluoranthene	15.080	252	353578	25.902	ng	# 83
90) Benzo(a)pyrene	15.451	252	164113	14.513	ng	# 78
91) Dibenzo(a,h)anthracene	17.009	278	28504	2.477	ng	# 57
92) Benzo(g,h,i)perylene	17.462	276	117389	9.981	ng	94

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

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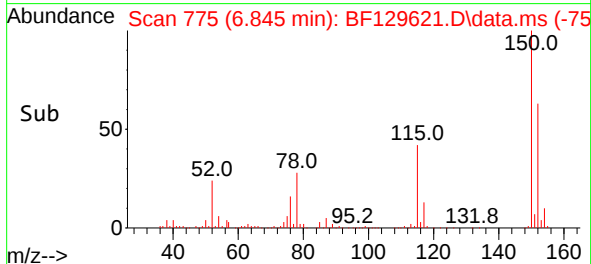
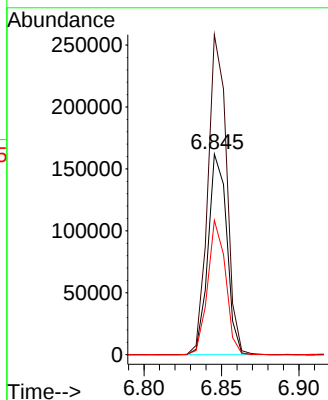
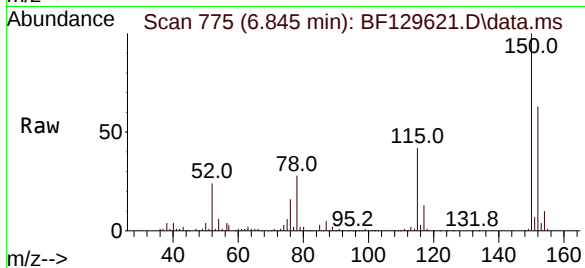




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.845 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF129621.D
 Acq: 06 Aug 2022 02:53

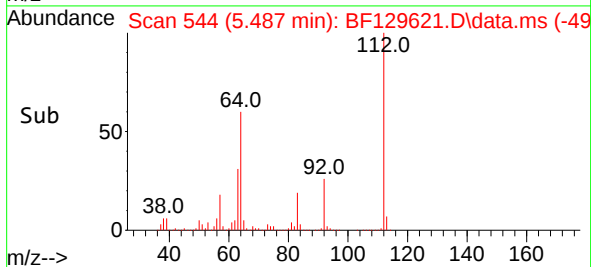
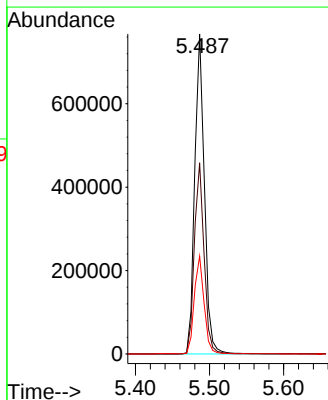
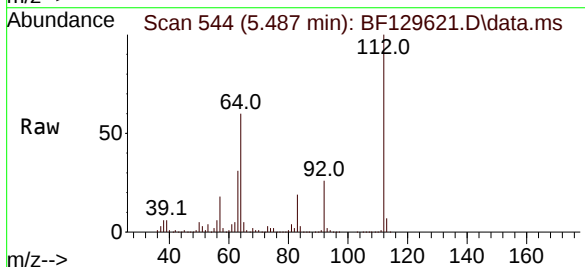
Instrument :
 BNA_F
 ClientSampleId :
 COMP1-0804

Tgt Ion:152 Resp: 135859
 Ion Ratio Lower Upper
 152 100
 150 159.5 123.7 185.5
 115 67.0 49.9 74.9



#5
 2-Fluorophenol
 Concen: 83.317 ng
 RT: 5.487 min Scan# 544
 Delta R.T. 0.006 min
 Lab File: BF129621.D
 Acq: 06 Aug 2022 02:53

Tgt Ion:112 Resp: 694869
 Ion Ratio Lower Upper
 112 100
 64 59.8 53.3 79.9
 63 30.6 28.0 42.0

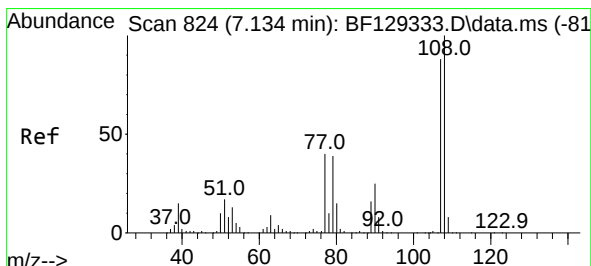
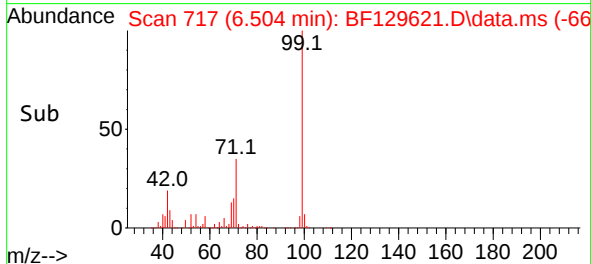
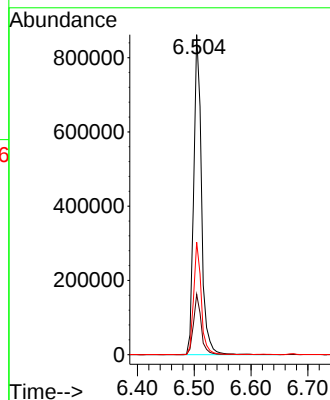
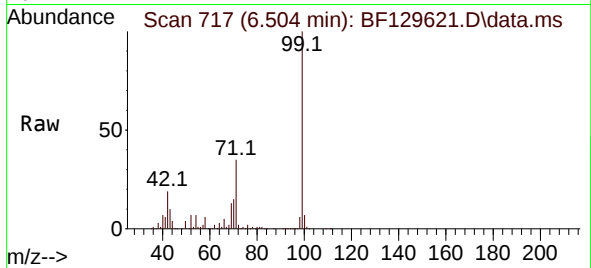




#7
Phenol-d6
Concen: 78.426 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF129621.D
Acq: 06 Aug 2022 02:53

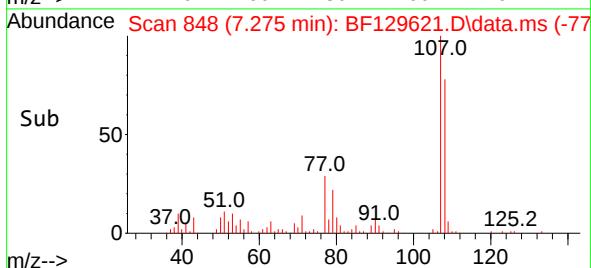
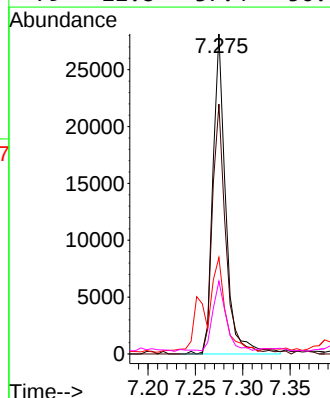
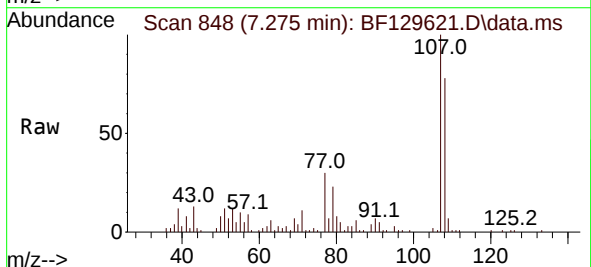
Instrument :
BNA_F
ClientSampleId :
COMP1-0804

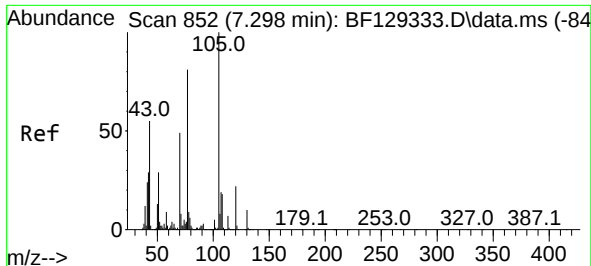
Tgt Ion: 99 Resp: 822129
Ion Ratio Lower Upper
99 100
42 18.8 17.3 25.9
71 35.2 28.9 43.3



#17
2-Methylphenol
Concen: 3.506 ng
RT: 7.275 min Scan# 848
Delta R.T. 0.159 min
Lab File: BF129621.D
Acq: 06 Aug 2022 02:53

Tgt Ion: 107 Resp: 26503
Ion Ratio Lower Upper
107 100
108 78.0 91.9 137.9#
77 30.2 37.8 56.8#
79 22.8 37.4 56.0#

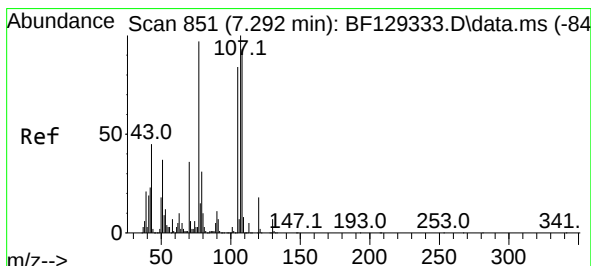
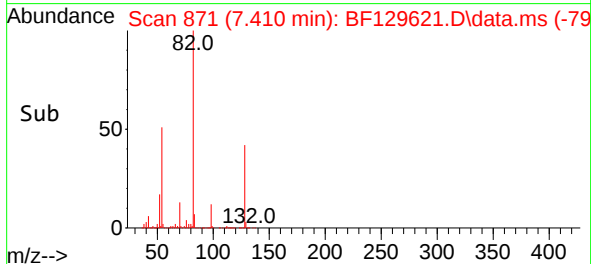
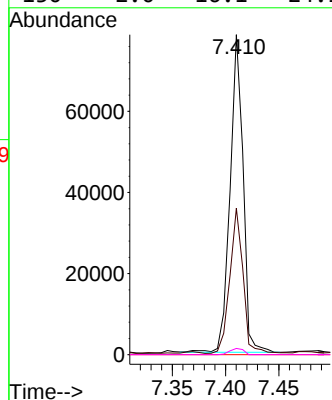
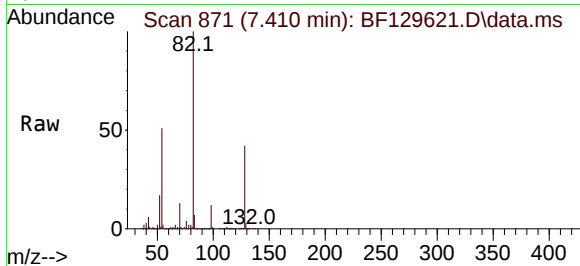




#19
n-Nitroso-di-n-propylamine
Concen: 10.499 ng
RT: 7.410 min Scan# 81
Delta R.T. 0.141 min
Lab File: BF129621.D
Acq: 06 Aug 2022 02:53

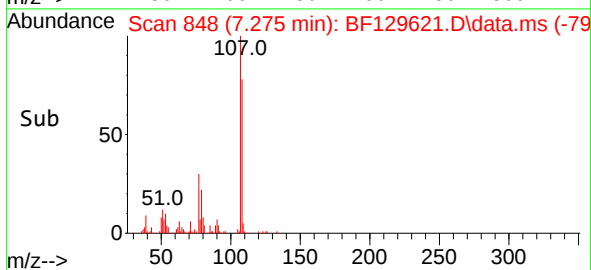
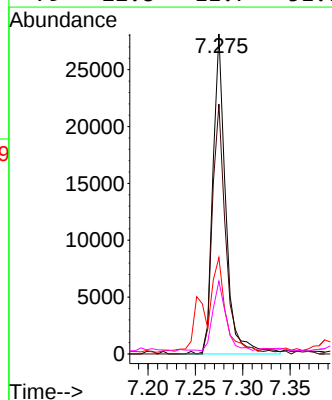
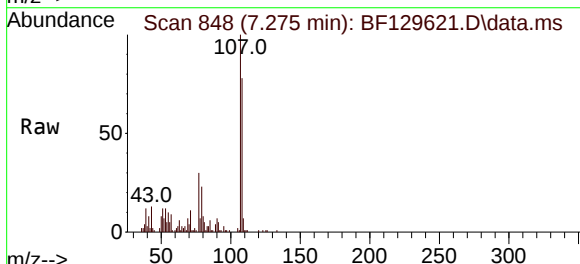
Instrument :
BNA_F
ClientSampleId :
COMP1-0804

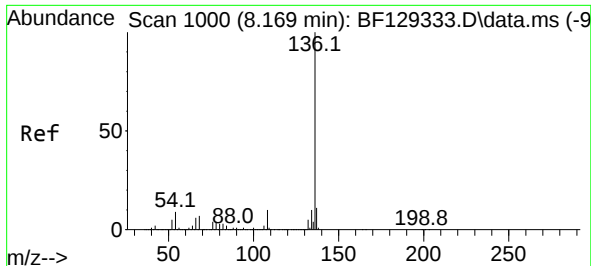
Tgt Ion: 70 Resp: 66632
Ion Ratio Lower Upper
70 100
42 45.8 52.3 78.5#
101 0.0 7.5 11.3#
130 2.0 16.1 24.1#



#20
3+4-Methylphenols
Concen: 2.758 ng
RT: 7.275 min Scan# 848
Delta R.T. -0.000 min
Lab File: BF129621.D
Acq: 06 Aug 2022 02:53

Tgt Ion: 107 Resp: 26503
Ion Ratio Lower Upper
107 100
108 78.0 71.8 111.8
77 30.2 59.3 99.3#
79 22.8 11.7 51.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 94

Delta R.T. -0.006 min

Lab File: BF129621.D

Acq: 06 Aug 2022 02:53

Instrument :

BNA_F

ClientSampleId :

COMP1-0804

Tgt Ion:136 Resp: 478836

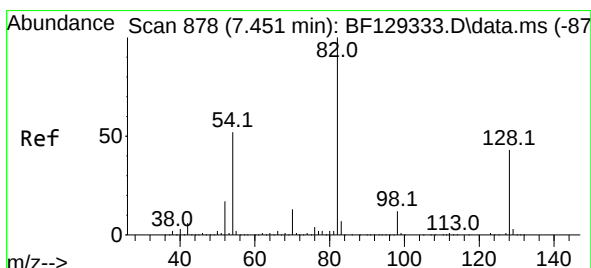
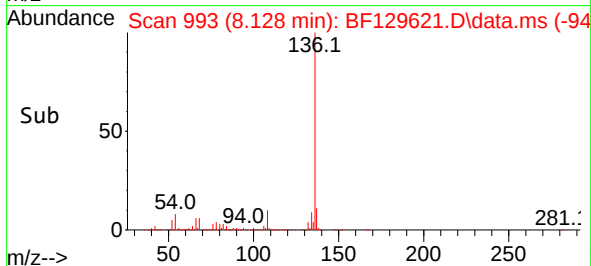
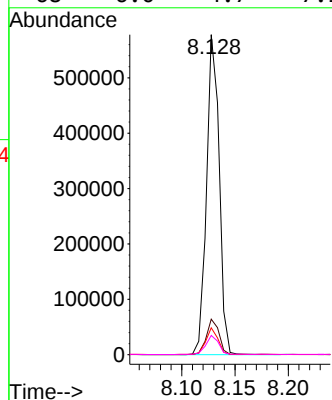
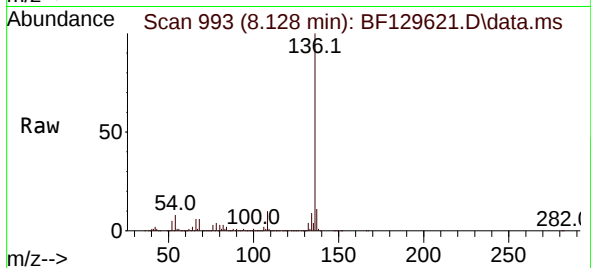
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 8.4 7.5 11.3

68 6.0 4.7 7.1



#23

Nitrobenzene-d5

Concen: 56.399 ng

RT: 7.410 min Scan# 871

Delta R.T. -0.012 min

Lab File: BF129621.D

Acq: 06 Aug 2022 02:53

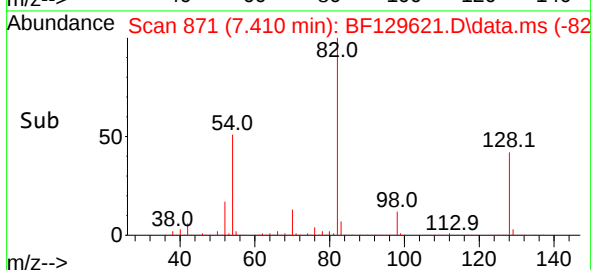
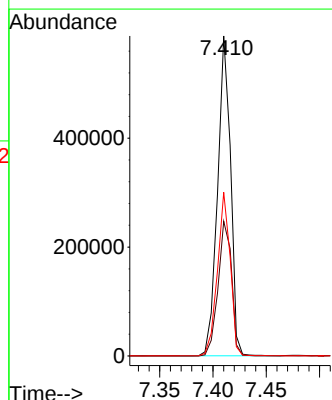
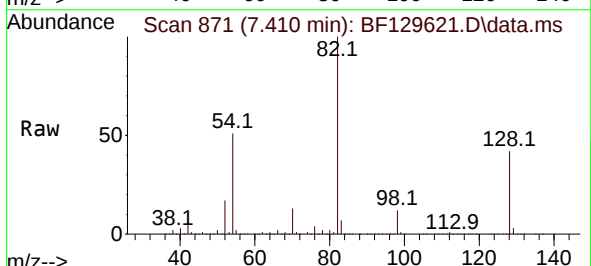
Tgt Ion: 82 Resp: 494720

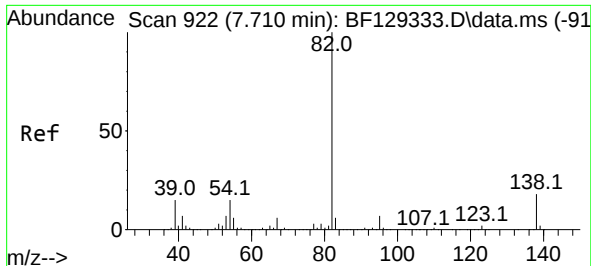
Ion Ratio Lower Upper

82 100

128 42.1 34.0 51.0

54 51.1 46.9 70.3

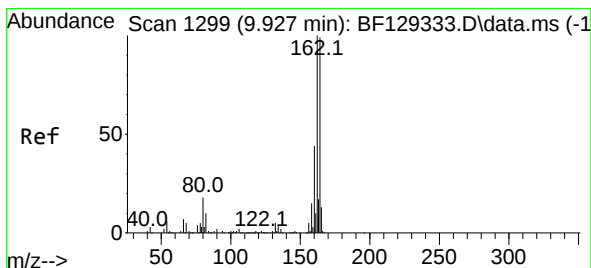
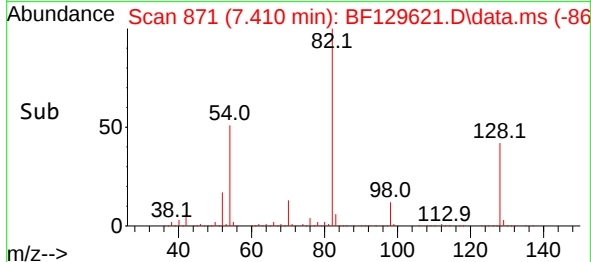
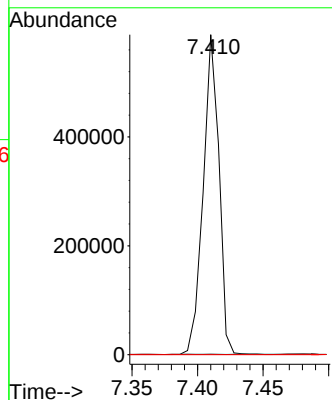
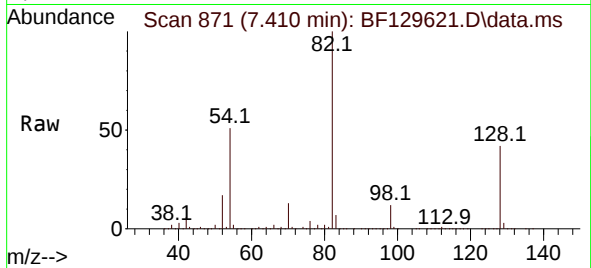




#25
Isophorone
Concen: 31.370 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF129621.D
Acq: 06 Aug 2022 02:53

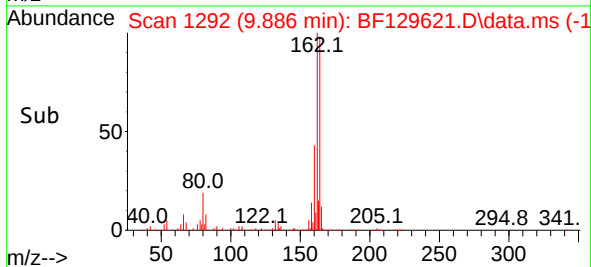
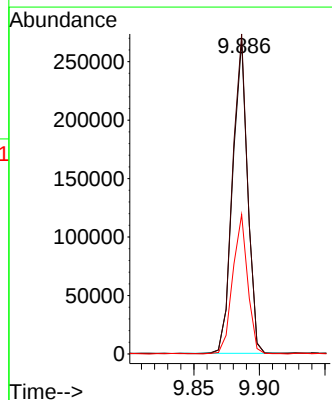
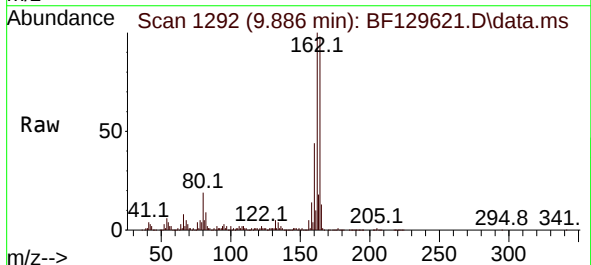
Instrument :
BNA_F
ClientSampleId :
COMP1-0804

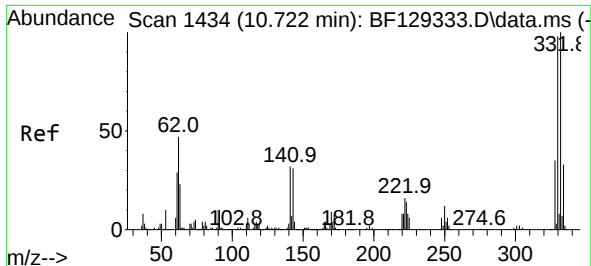
Tgt Ion: 82 Resp: 493238
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BF129621.D
Acq: 06 Aug 2022 02:53

Tgt Ion:164 Resp: 212666
Ion Ratio Lower Upper
164 100
162 102.1 79.5 119.3
160 44.4 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 77.446 ng

RT: 10.680 min Scan# 1434

Delta R.T. -0.006 min

Lab File: BF129621.D

Acq: 06 Aug 2022 02:53

Instrument :

BNA_F

ClientSampleId :

COMP1-0804

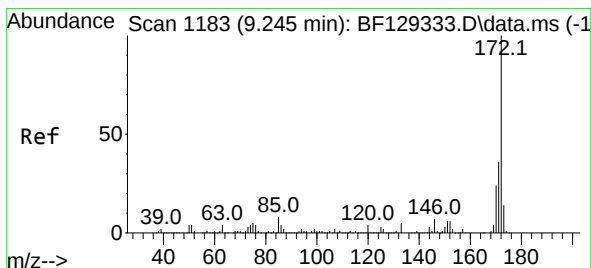
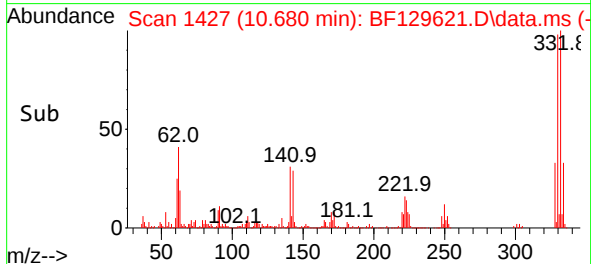
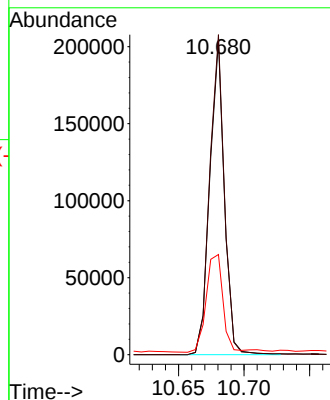
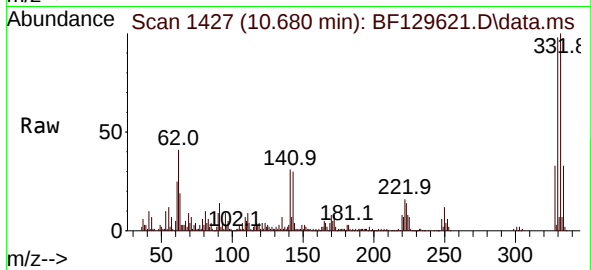
Tgt Ion:330 Resp: 158349

Ion Ratio Lower Upper

330 100

332 102.3 76.8 115.2

141 35.5 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 55.459 ng

RT: 9.204 min Scan# 1176

Delta R.T. -0.006 min

Lab File: BF129621.D

Acq: 06 Aug 2022 02:53

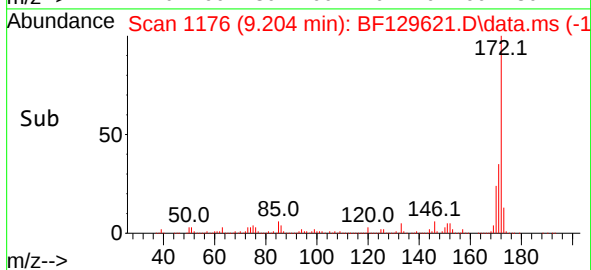
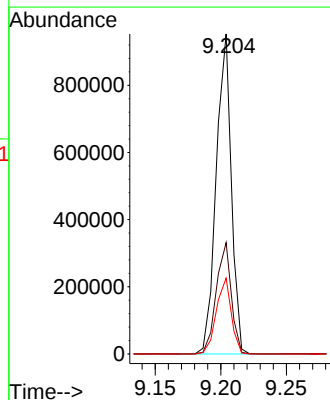
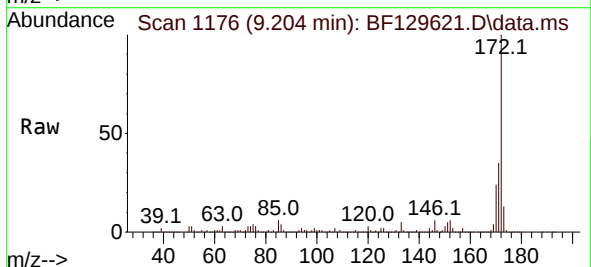
Tgt Ion:172 Resp: 762414

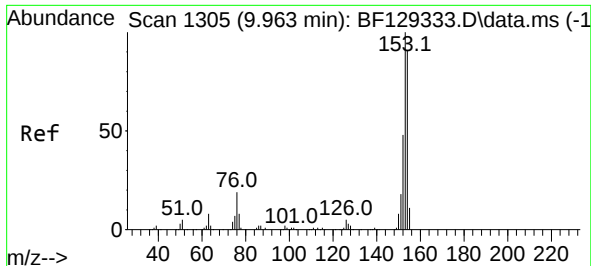
Ion Ratio Lower Upper

172 100

171 34.8 28.8 43.2

170 23.7 19.8 29.8

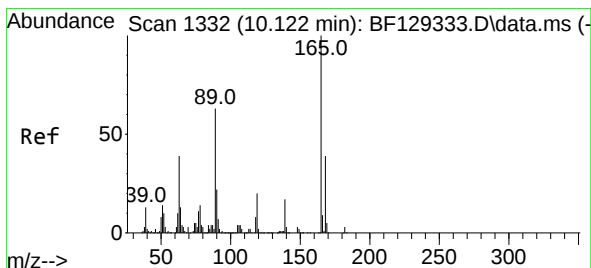
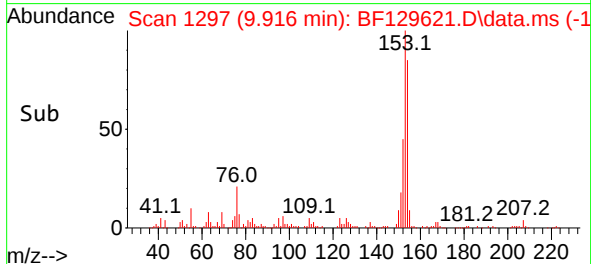
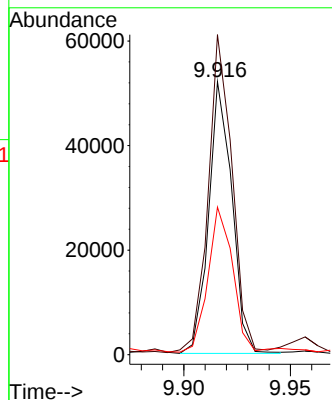
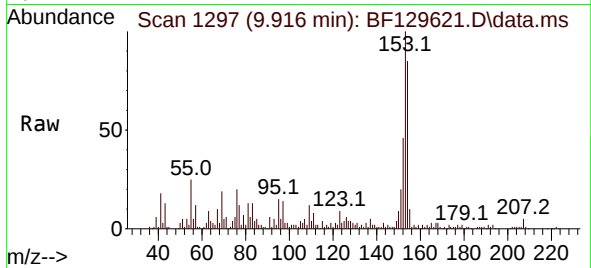




#52
Acenaphthene
Concen: 3.168 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129621.D
Acq: 06 Aug 2022 02:53

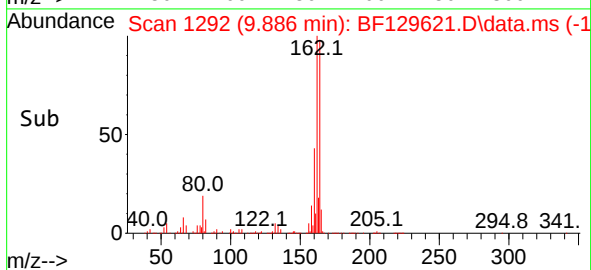
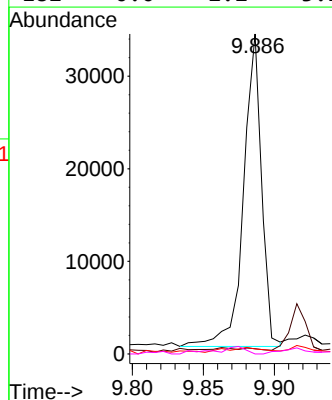
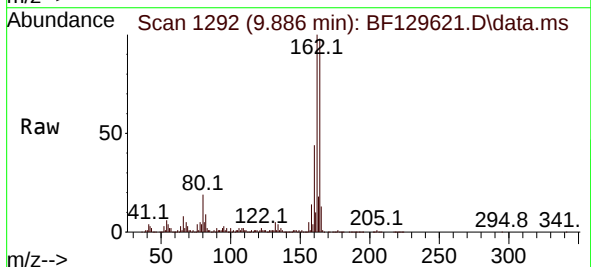
Instrument :
BNA_F
ClientSampleId :
COMP1-0804

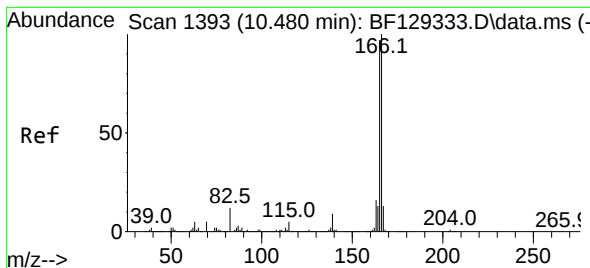
Tgt Ion:154 Resp: 39452
Ion Ratio Lower Upper
154 100
153 117.2 89.6 134.4
152 54.0 42.4 63.6



#57
2,4-Dinitrotoluene
Concen: 6.967 ng
RT: 9.886 min Scan# 1292
Delta R.T. -0.200 min
Lab File: BF129621.D
Acq: 06 Aug 2022 02:53

Tgt Ion:165 Resp: 29908
Ion Ratio Lower Upper
165 100
63 1.7 39.8 59.6#
89 1.6 60.2 90.2#
182 0.0 2.2 3.2#





#58

Fluorene

Concen: 2.283 ng

RT: 10.433 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129621.D

Acq: 06 Aug 2022 02:53

Instrument :

BNA_F

ClientSampleId :

COMP1-0804

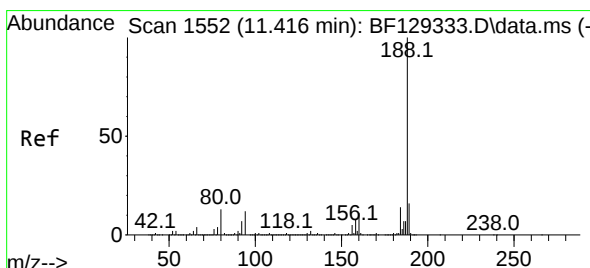
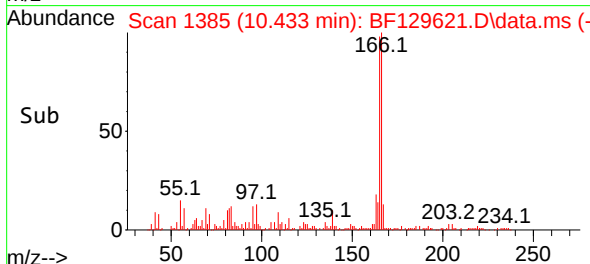
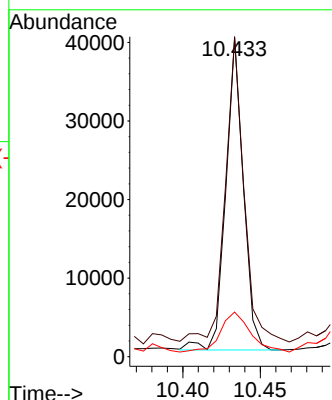
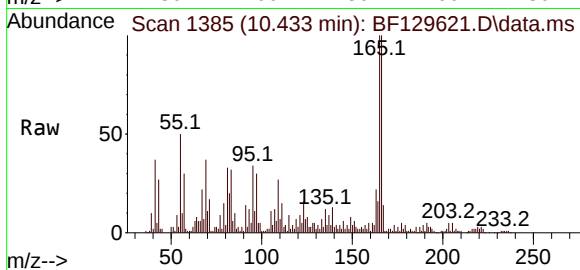
Tgt Ion:166 Resp: 31359

Ion Ratio Lower Upper

166 100

165 100.3 78.1 117.1

167 14.0 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 1545

Delta R.T. -0.006 min

Lab File: BF129621.D

Acq: 06 Aug 2022 02:53

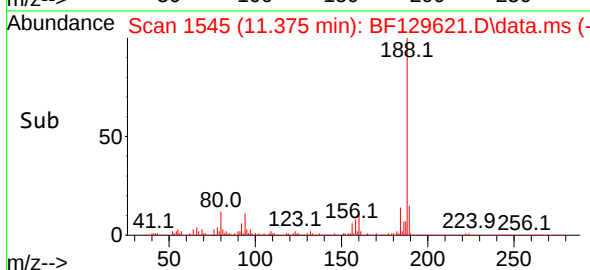
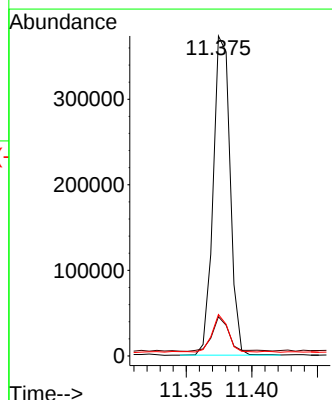
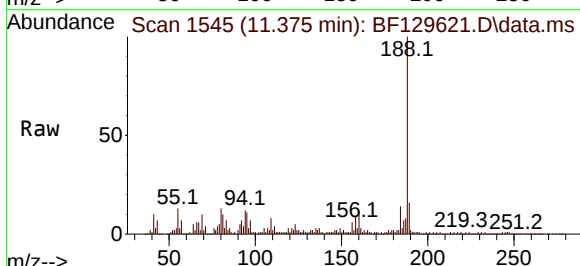
Tgt Ion:188 Resp: 335157

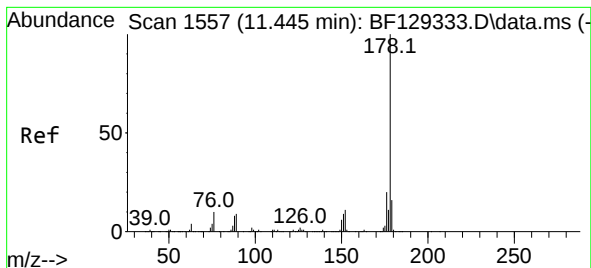
Ion Ratio Lower Upper

188 100

94 12.3 7.0 10.6#

80 13.0 7.6 11.4#





#71

Phenanthrene

Concen: 12.058 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129621.D

Acq: 06 Aug 2022 02:53

Instrument :

BNA_F

ClientSampleId :

COMP1-0804

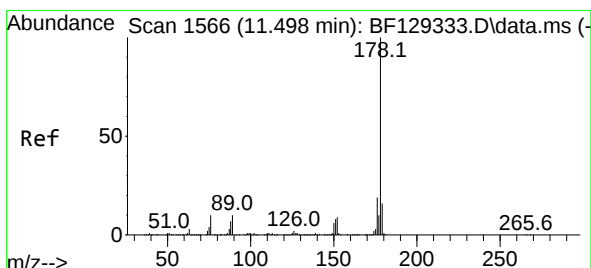
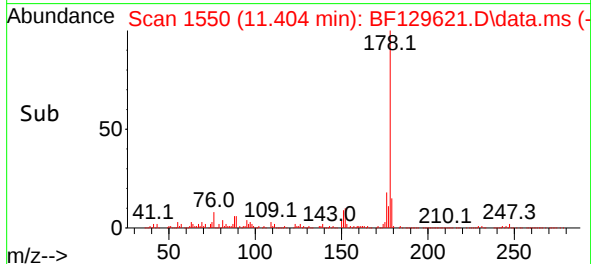
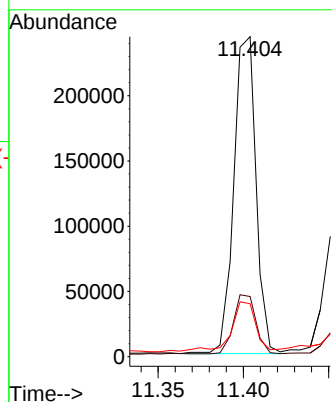
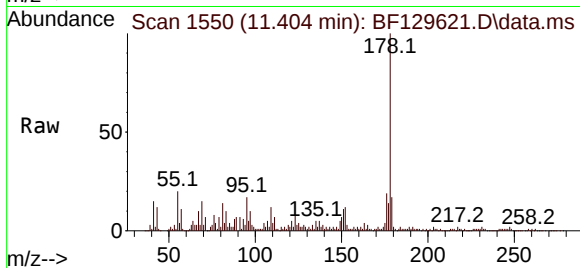
Tgt Ion:178 Resp: 220613

Ion Ratio Lower Upper

178 100

176 18.8 16.0 24.0

179 16.5 12.6 19.0



#72

Anthracene

Concen: 3.789 ng

RT: 11.451 min Scan# 1558

Delta R.T. -0.012 min

Lab File: BF129621.D

Acq: 06 Aug 2022 02:53

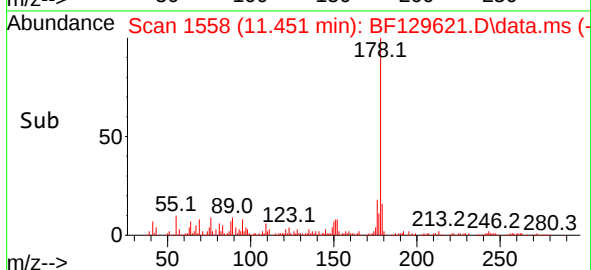
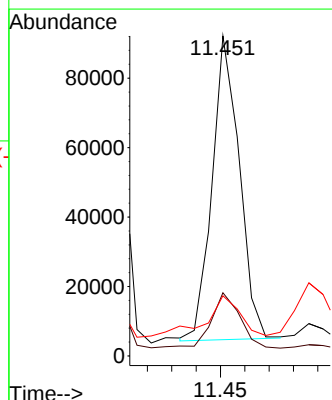
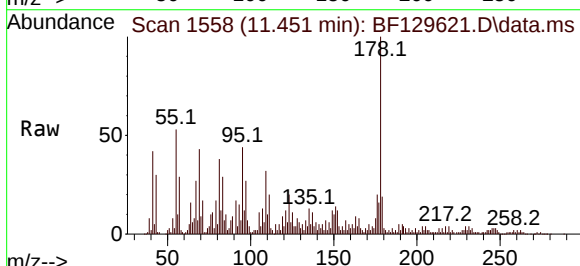
Tgt Ion:178 Resp: 68131

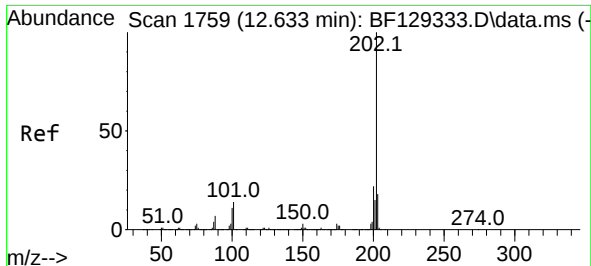
Ion Ratio Lower Upper

178 100

176 19.8 15.4 23.2

179 18.8 12.6 19.0

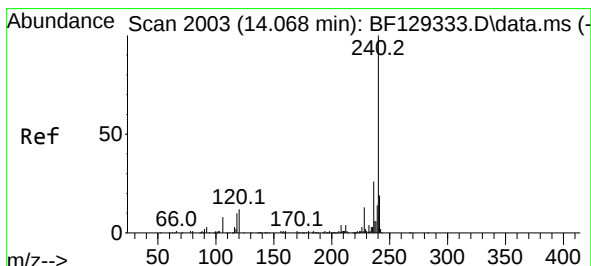
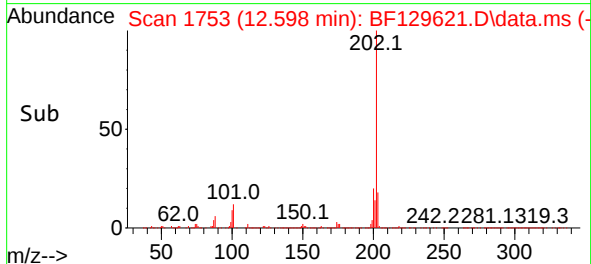
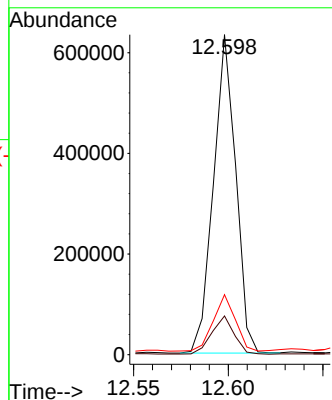
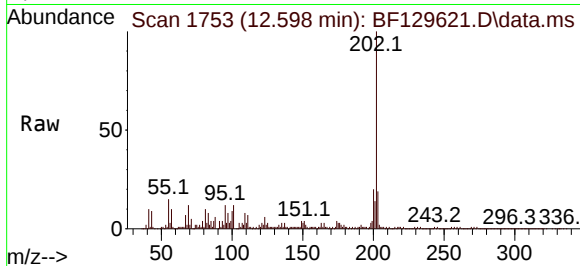




#75
Fluoranthene
Concen: 27.962 ng
RT: 12.598 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF129621.D
Acq: 06 Aug 2022 02:53

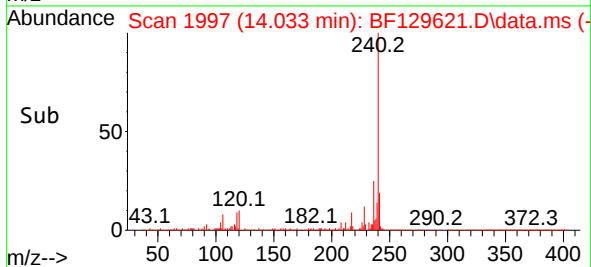
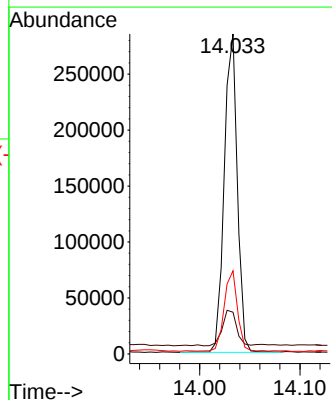
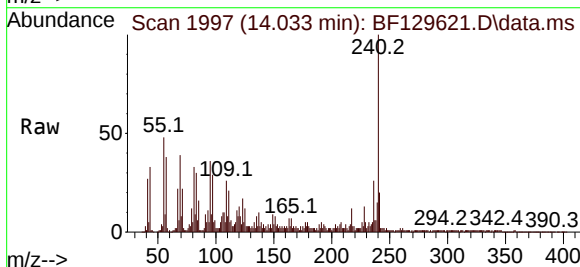
Instrument :
BNA_F
ClientSampleId :
COMP1-0804

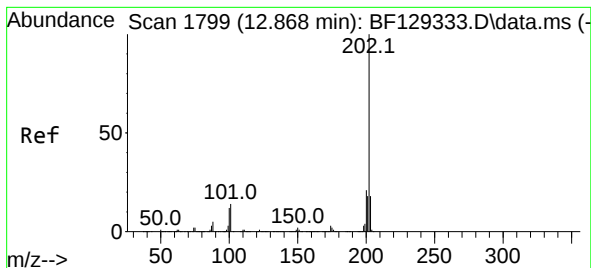
Tgt Ion:202 Resp: 518346
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.4
203 18.7 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 1997
Delta R.T. 0.006 min
Lab File: BF129621.D
Acq: 06 Aug 2022 02:53

Tgt Ion:240 Resp: 257035
Ion Ratio Lower Upper
240 100
120 13.0 8.9 13.3
236 26.0 20.8 31.2





#78

Pyrene

Concen: 21.457 ng

RT: 12.827 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF129621.D

Acq: 06 Aug 2022 02:53

Instrument :

BNA_F

ClientSampleId :

COMP1-0804

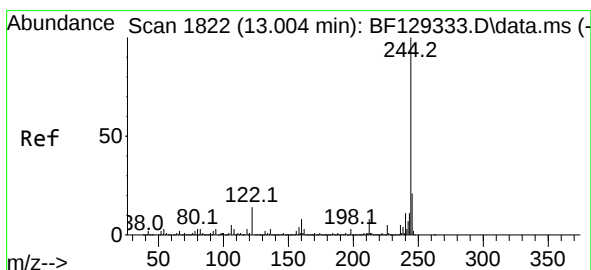
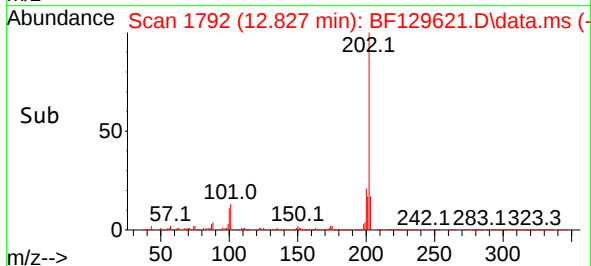
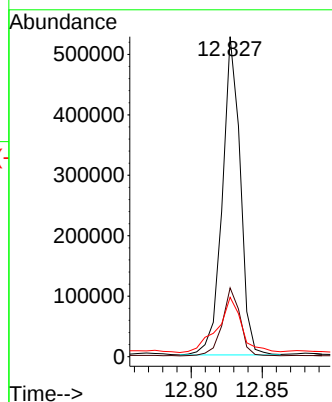
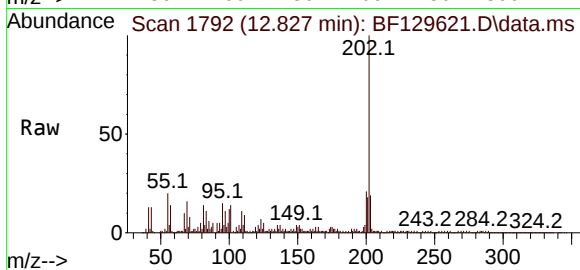
Tgt Ion:202 Resp: 461191

Ion Ratio Lower Upper

202 100

200 21.5 17.7 26.5

203 18.6 14.6 21.8



#79

Terphenyl-d14

Concen: 52.347 ng

RT: 12.963 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF129621.D

Acq: 06 Aug 2022 02:53

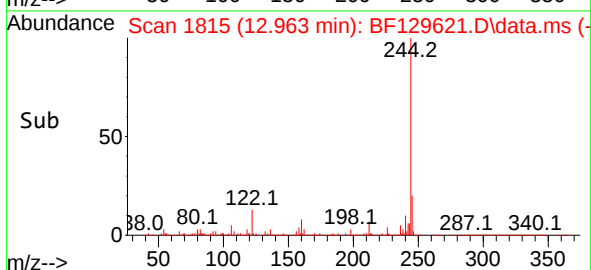
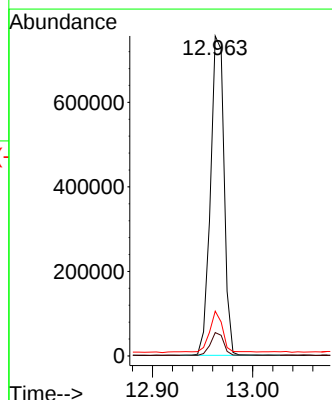
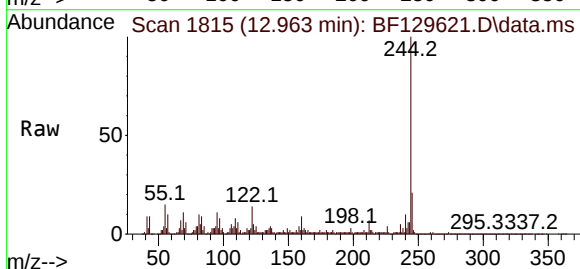
Tgt Ion:244 Resp: 713193

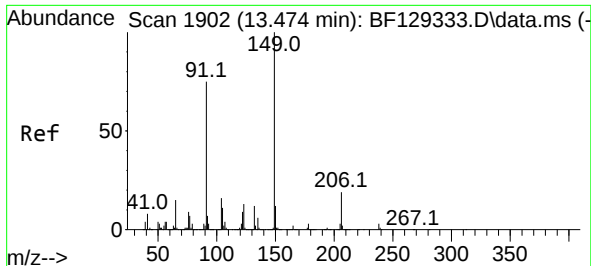
Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 14.0 8.8 13.2#

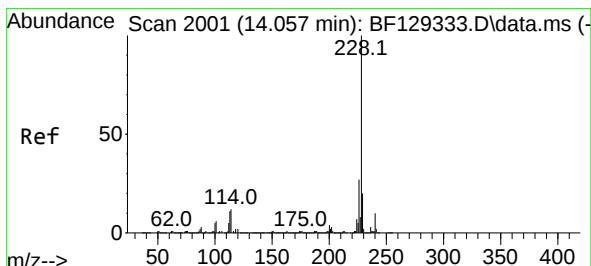
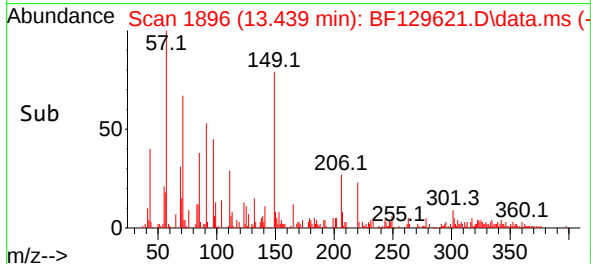
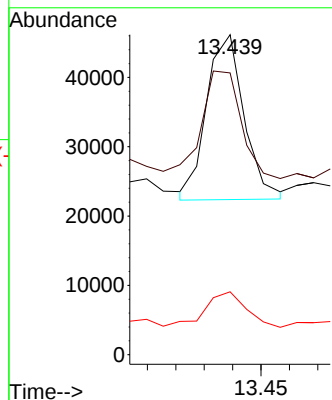
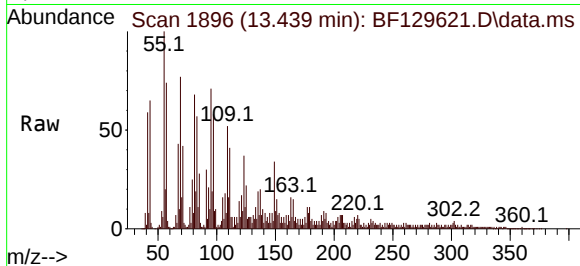




#80
Butylbenzylphthalate
Concen: 2.345 ng
RT: 13.439 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129621.D
Acq: 06 Aug 2022 02:53

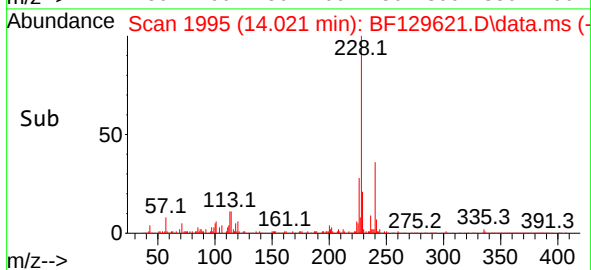
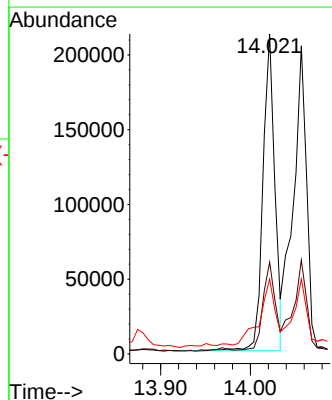
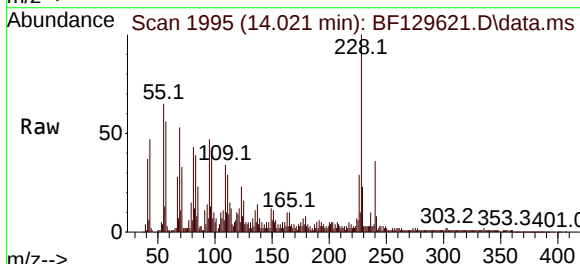
Instrument :
BNA_F
ClientSampleId :
COMP1-0804

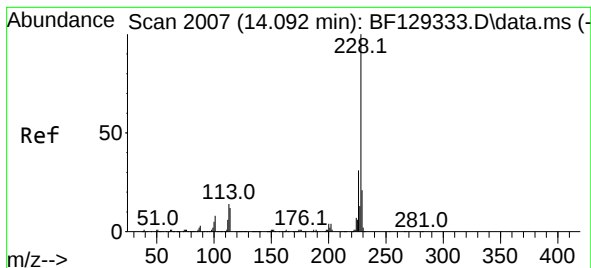
Tgt Ion:149 Resp: 21867
Ion Ratio Lower Upper
149 100
91 88.1 61.2 91.8
206 19.7 15.7 23.5



#81
Benzo(a)anthracene
Concen: 11.146 ng
RT: 14.021 min Scan# 1995
Delta R.T. 0.006 min
Lab File: BF129621.D
Acq: 06 Aug 2022 02:53

Tgt Ion:228 Resp: 195699
Ion Ratio Lower Upper
228 100
226 28.7 22.1 33.1
229 23.4 15.8 23.8





#83

Chrysene

Concen: 11.826 ng

RT: 14.021 min Scan# 1995

Delta R.T. -0.035 min

Lab File: BF129621.D

Acq: 06 Aug 2022 02:53

Instrument :

BNA_F

ClientSampleId :

COMP1-0804

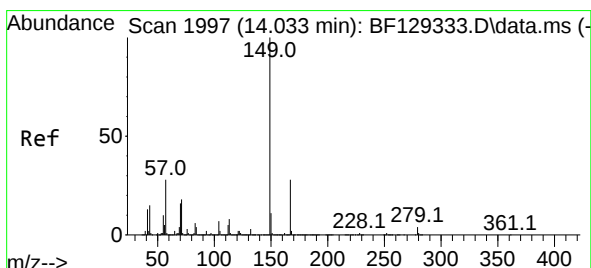
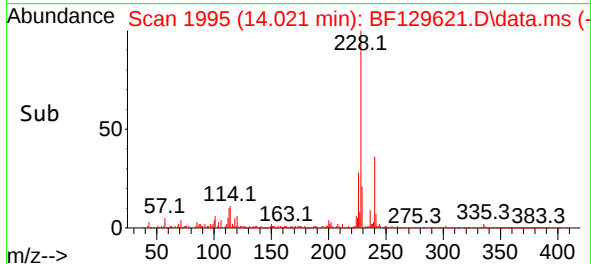
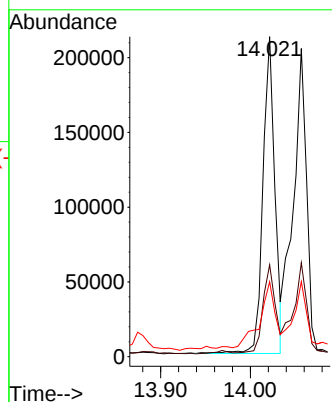
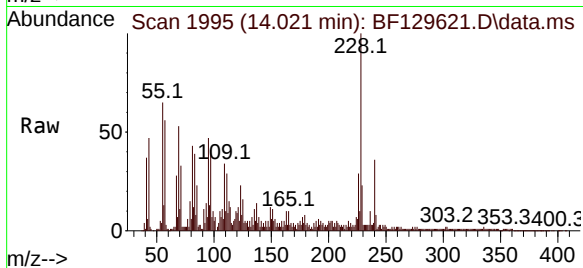
Tgt Ion:228 Resp: 195699

Ion Ratio Lower Upper

228 100

226 28.7 24.3 36.5

229 23.4 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 21.465 ng

RT: 13.992 min Scan# 1990

Delta R.T. 0.006 min

Lab File: BF129621.D

Acq: 06 Aug 2022 02:53

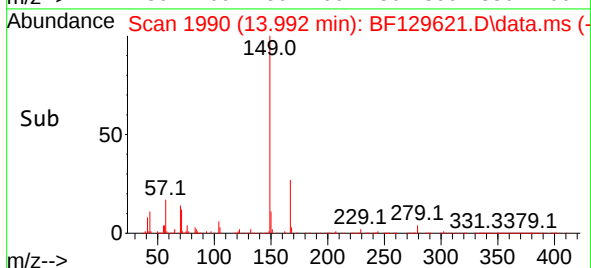
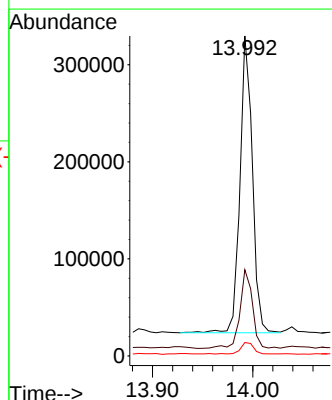
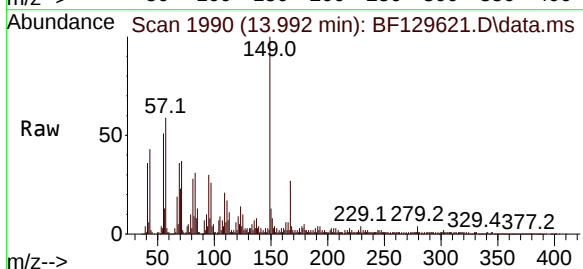
Tgt Ion:149 Resp: 263458

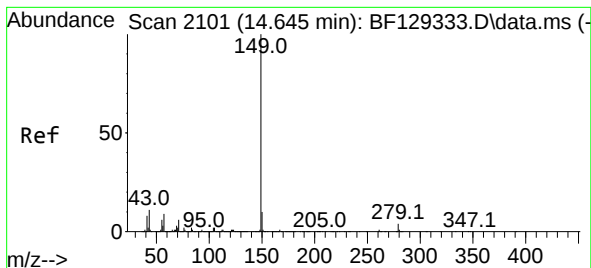
Ion Ratio Lower Upper

149 100

167 27.0 21.0 31.4

279 4.2 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 3.642 ng

RT: 14.610 min Scan# 2095

Delta R.T. 0.006 min

Lab File: BF129621.D

Acq: 06 Aug 2022 02:53

Instrument :

BNA_F

ClientSampleId :

COMP1-0804

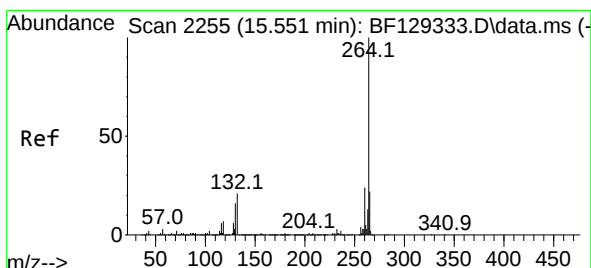
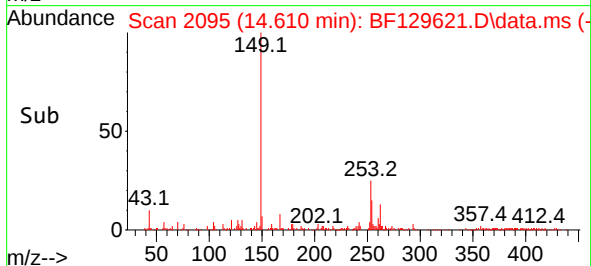
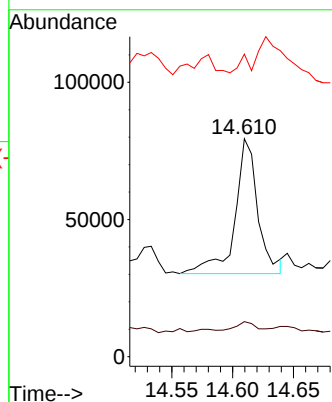
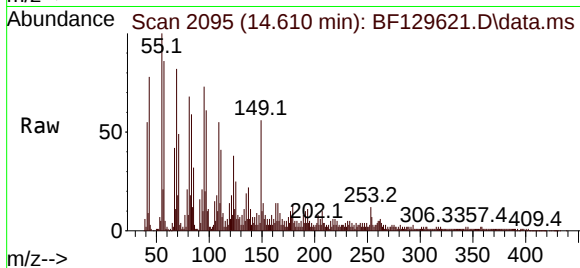
Tgt Ion:149 Resp: 64326

Ion Ratio Lower Upper

149 100

167 7.0 1.3 1.9#

43 0.0 9.2 13.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 2249

Delta R.T. 0.012 min

Lab File: BF129621.D

Acq: 06 Aug 2022 02:53

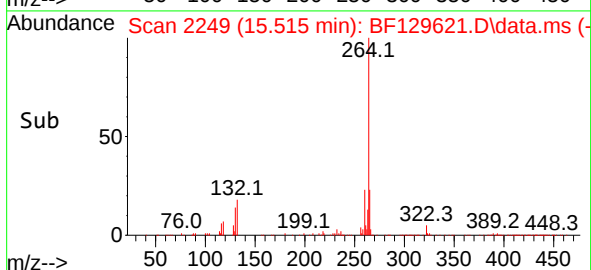
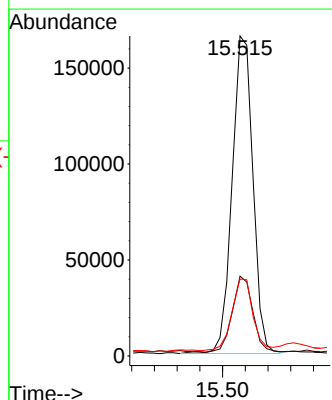
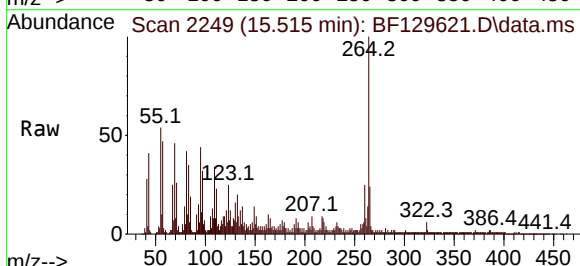
Tgt Ion:264 Resp: 209996

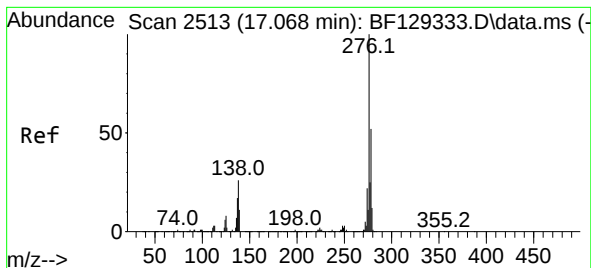
Ion Ratio Lower Upper

264 100

260 25.0 18.4 27.6

265 24.1 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.026 ng

RT: 17.009 min Scan# 2175

Delta R.T. 0.012 min

Lab File: BF129621.D

Acq: 06 Aug 2022 02:53

Instrument :

BNA_F

ClientSampleId :

COMP1-0804

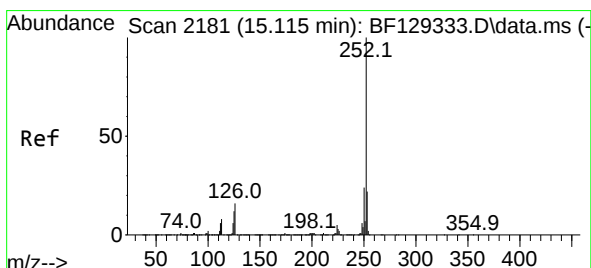
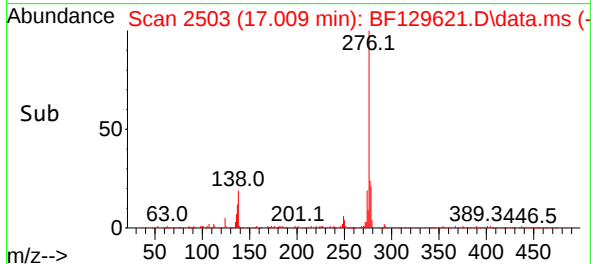
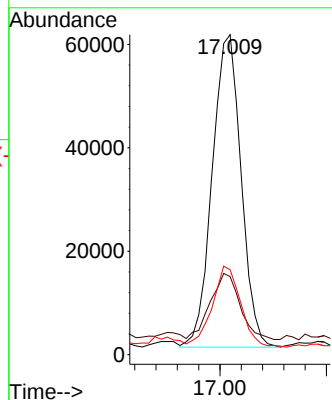
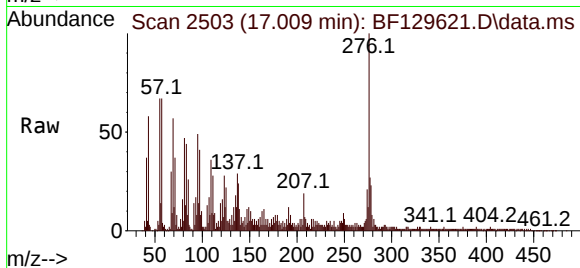
Tgt Ion:276 Resp: 113492

Ion Ratio Lower Upper

276 100

138 21.8 21.1 31.7

277 25.7 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 25.383 ng

RT: 15.080 min Scan# 2175

Delta R.T. 0.012 min

Lab File: BF129621.D

Acq: 06 Aug 2022 02:53

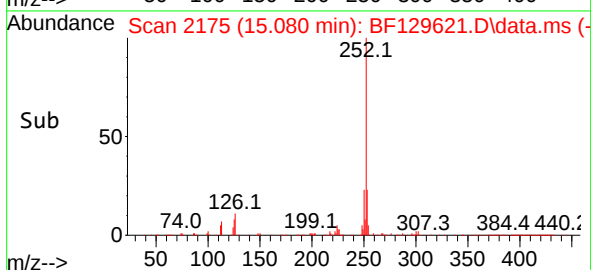
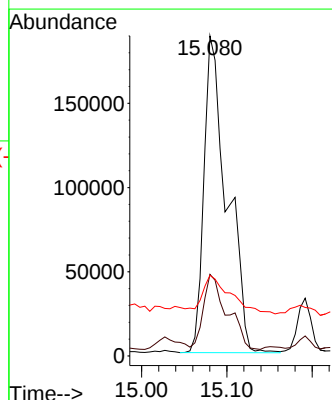
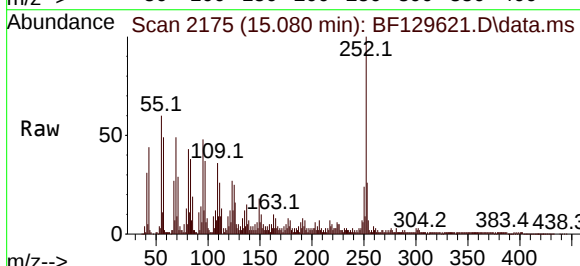
Tgt Ion:252 Resp: 353578

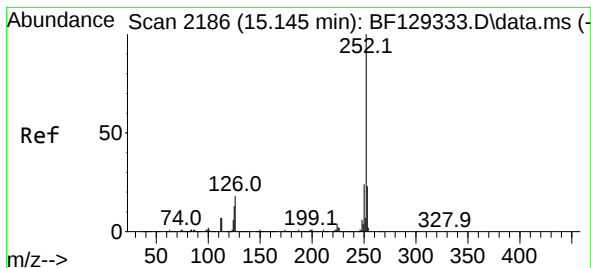
Ion Ratio Lower Upper

252 100

253 25.5 17.7 26.5

125 25.2 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 25.902 ng

RT: 15.080 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF129621.D

Acq: 06 Aug 2022 02:53

Instrument :

BNA_F

ClientSampleId :

COMP1-0804

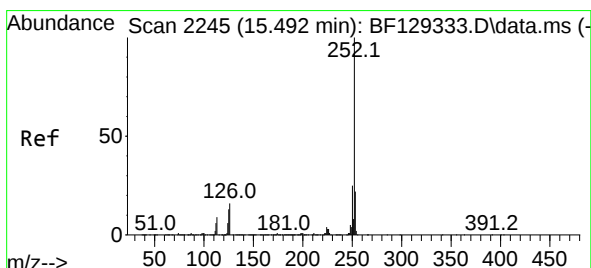
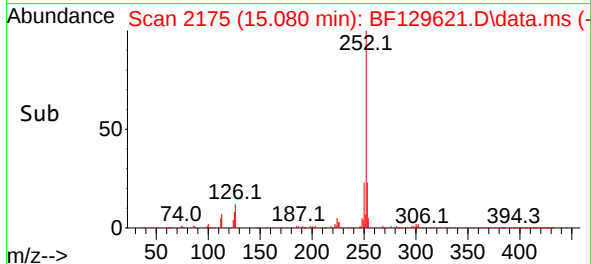
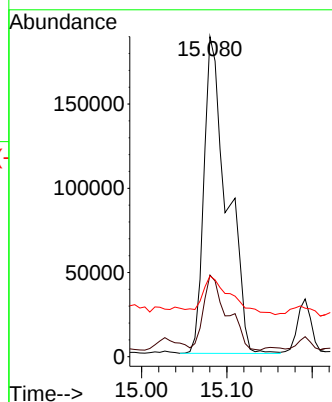
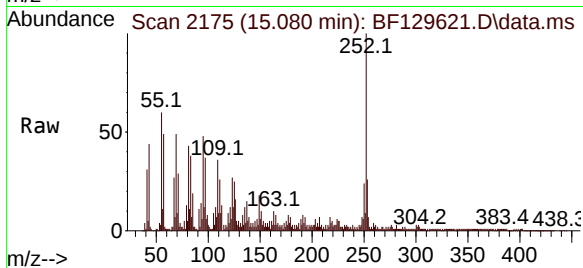
Tgt Ion:252 Resp: 353578

Ion Ratio Lower Upper

252 100

253 25.5 17.8 26.6

125 25.2 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 14.513 ng

RT: 15.451 min Scan# 2238

Delta R.T. 0.012 min

Lab File: BF129621.D

Acq: 06 Aug 2022 02:53

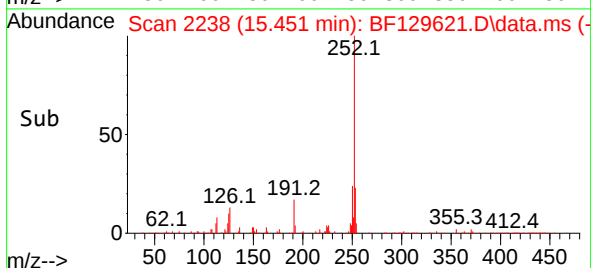
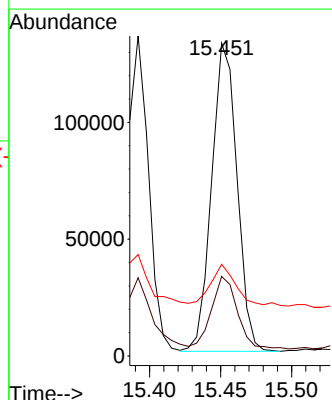
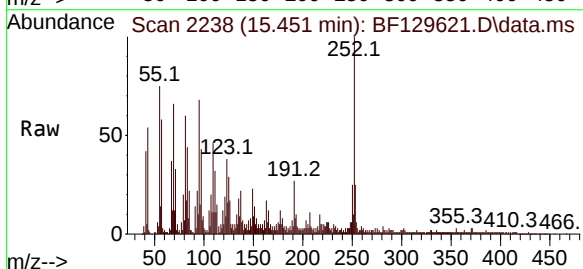
Tgt Ion:252 Resp: 164113

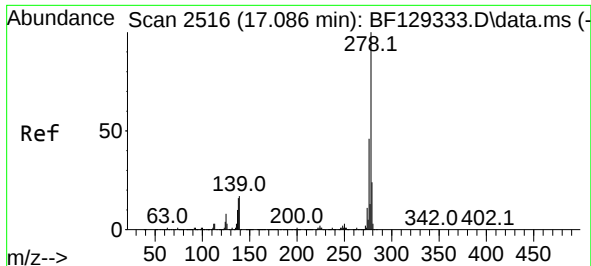
Ion Ratio Lower Upper

252 100

253 25.4 17.0 25.6

125 29.3 8.8 13.2#

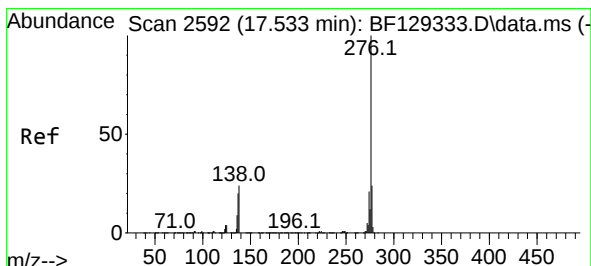
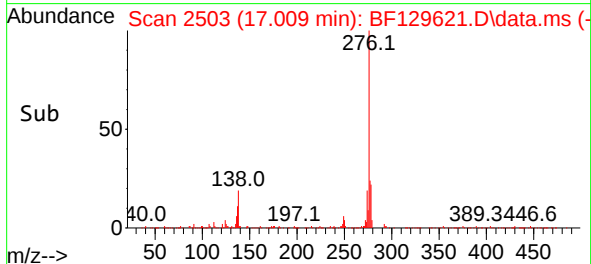
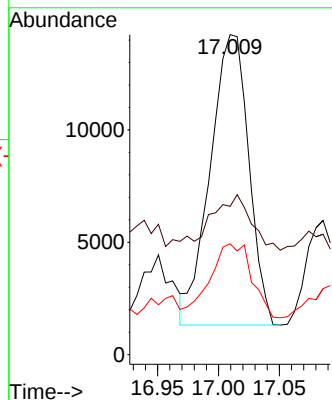
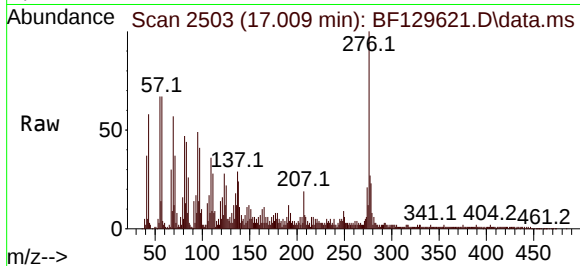




#91
 Dibenzo(a,h)anthracene
 Concen: 2.477 ng
 RT: 17.009 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF129621.D
 Acq: 06 Aug 2022 02:53

Instrument :
 BNA_F
 ClientSampleId :
 COMP1-0804

Tgt Ion:278 Resp: 28504
 Ion Ratio Lower Upper
 278 100
 139 46.4 12.8 19.2#
 279 34.7 18.6 28.0#



#92
 Benzo(g,h,i)perylene
 Concen: 9.981 ng
 RT: 17.462 min Scan# 2580
 Delta R.T. 0.012 min
 Lab File: BF129621.D
 Acq: 06 Aug 2022 02:53

Tgt Ion:276 Resp: 117389
 Ion Ratio Lower Upper
 276 100
 277 26.9 19.1 28.7
 138 24.9 18.0 27.0

