

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080522\
 Data File : BF129624.D
 Acq On : 06 Aug 2022 04:32
 Operator : CG\JU
 Sample : N4061-07
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP3-0804

Quant Time: Aug 08 02:19:56 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)

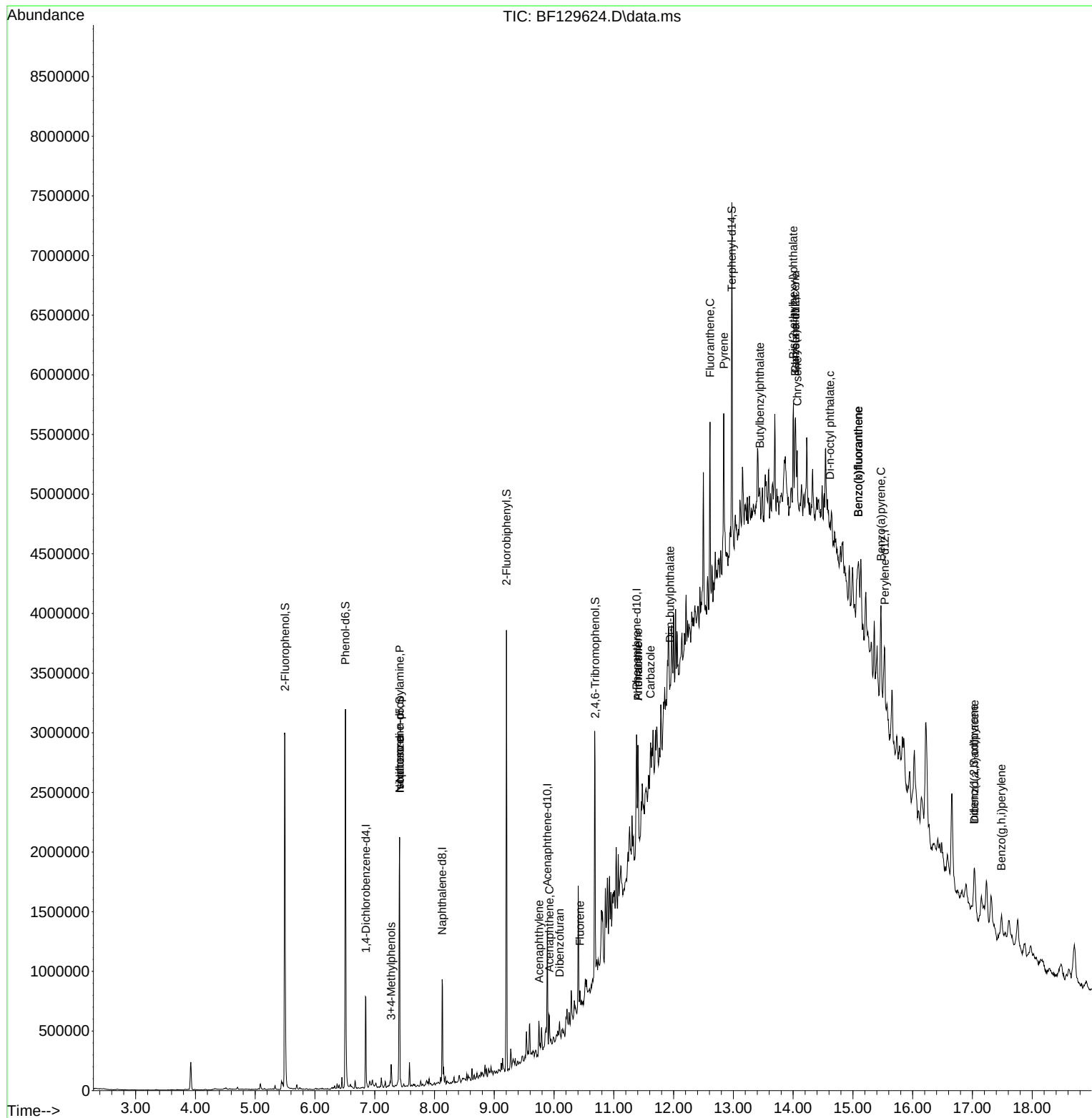
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	110680	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	387430	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	179701	20.000	ng	0.00
64) Phenanthrene-d10	11.381	188	305862	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	209684	20.000	ng	# 0.01
86) Perylene-d12	15.533	264	167285	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	931446	137.091	ng	0.02
7) Phenol-d6	6.510	99	1062651	124.431	ng	0.00
23) Nitrobenzene-d5	7.416	82	656677	92.525	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	245961	142.364	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1032256	88.861	ng	0.00
79) Terphenyl-d14	12.975	244	1065931	95.905	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	90367	17.479	ng	# 72
20) 3+4-Methylphenols	7.275	107	43202	5.518	ng	# 69
25) Isophorone	7.416	82	655621	51.535	ng	# 65
49) Acenaphthylene	9.751	152	34151	2.120	ng	# 87
52) Acenaphthene	9.922	154	36204	3.441	ng	94
55) Dibenzofuran	10.092	168	34807	2.400	ng	95
58) Fluorene	10.434	166	38804	3.344	ng	# 97
71) Phenanthrene	11.404	178	276022	16.532	ng	98
72) Anthracene	11.404	178	276022	16.823	ng	97
73) Carbazole	11.616	167	38144	2.470	ng	# 72
74) Di-n-butylphthalate	11.939	149	48034	2.611	ng	# 66
75) Fluoranthene	12.610	202	646922	38.241	ng	98
78) Pyrene	12.839	202	580652	33.115	ng	97
80) Butylbenzylphthalate	13.445	149	28640	3.766	ng	# 80
81) Benzo(a)anthracene	14.033	228	230225	16.073	ng	# 93
83) Chrysene	14.069	228	233388	17.289	ng	# 94
84) Bis(2-ethylhexyl)phtha...	14.004	149	308620	30.822	ng	# 97
85) Di-n-octyl phthalate	14.616	149	41197	2.859	ng	# 73
87) Indeno(1,2,3-cd)pyrene	17.027	276	134688	11.956	ng	93
88) Benzo(b)fluoranthene	15.092	252	390890	35.226	ng	# 77
89) Benzo(k)fluoranthene	15.092	252	390890	35.946	ng	# 77
90) Benzo(a)pyrene	15.468	252	175166	19.446	ng	# 72
91) Dibenzo(a,h)anthracene	17.033	278	33417	3.645	ng	# 52
92) Benzo(g,h,i)perylene	17.486	276	142606	15.221	ng	# 93

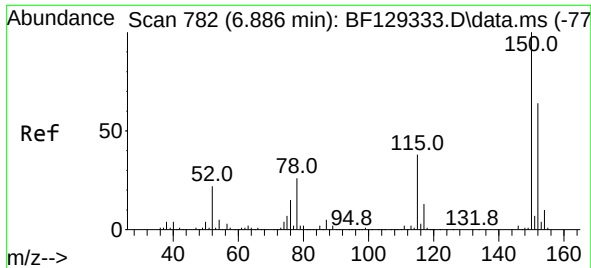
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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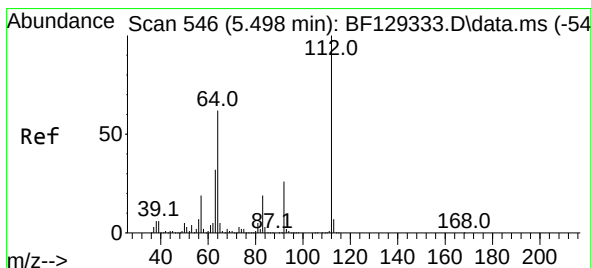
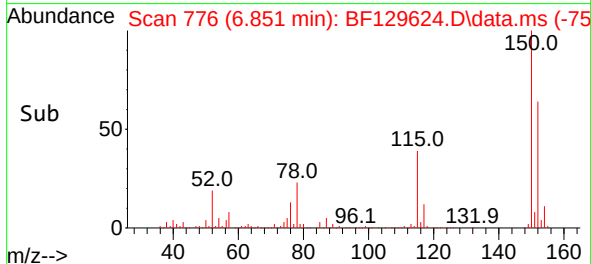
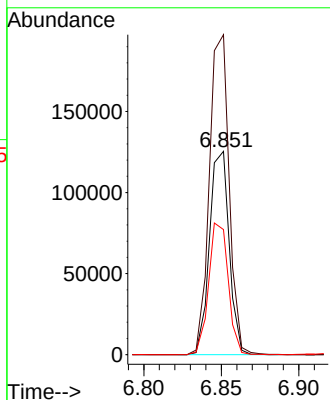
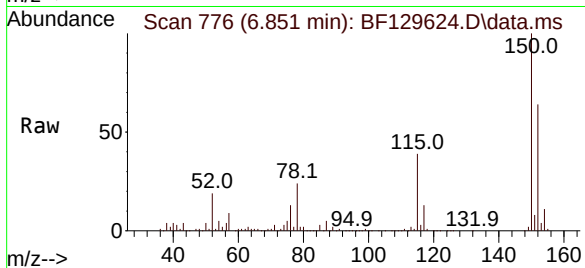




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

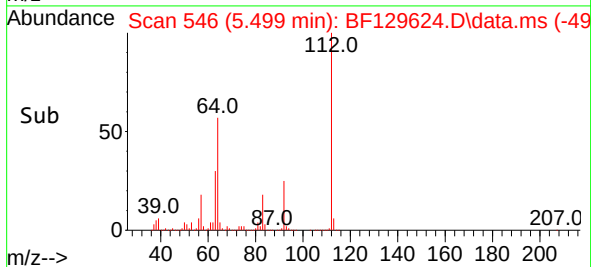
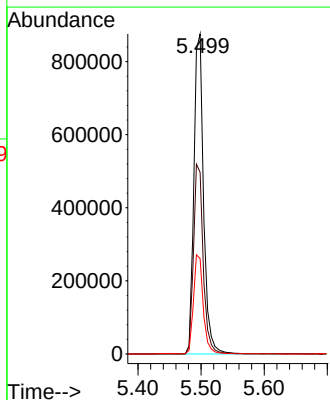
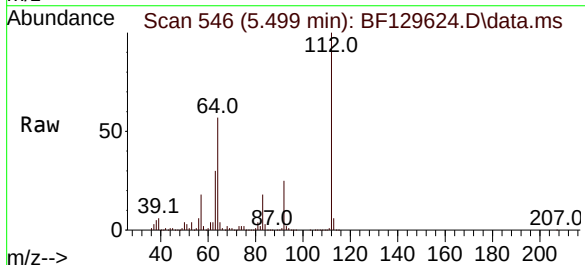
Instrument :
BNA_F
ClientSampleId :
COMP3-0804

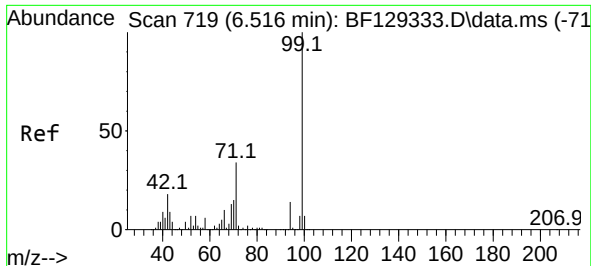
Tgt Ion:152 Resp: 110680
Ion Ratio Lower Upper
152 100
150 157.4 123.7 185.5
115 61.5 49.9 74.9



#5
2-Fluorophenol
Concen: 137.091 ng
RT: 5.499 min Scan# 546
Delta R.T. 0.018 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

Tgt Ion:112 Resp: 931446
Ion Ratio Lower Upper
112 100
64 56.8 53.3 79.9
63 29.8 28.0 42.0

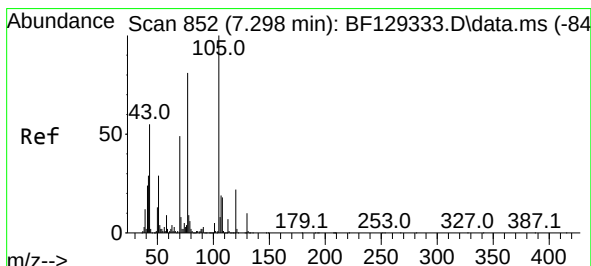
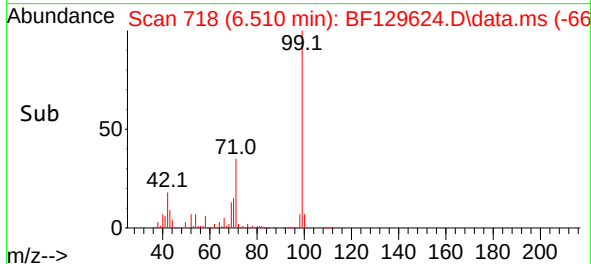
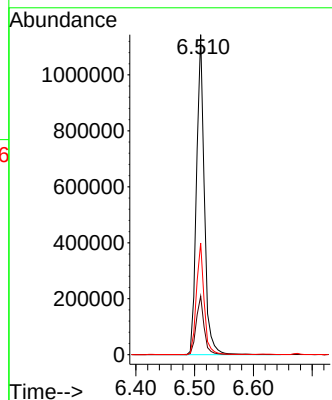
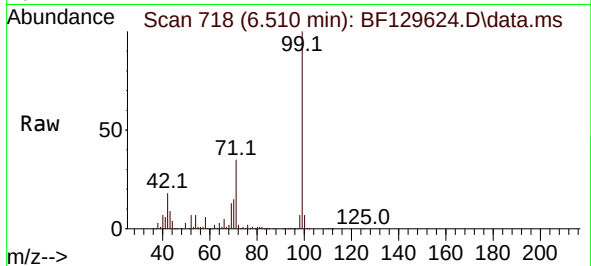




#7
Phenol-d6
Concen: 124.431 ng
RT: 6.510 min Scan# 719
Delta R.T. 0.006 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

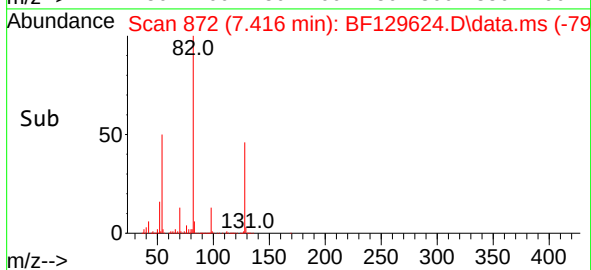
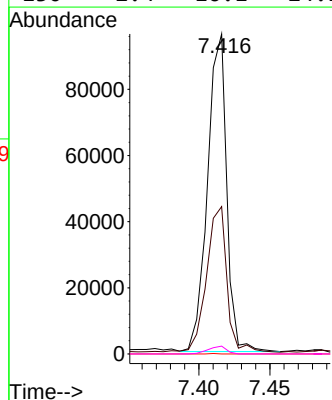
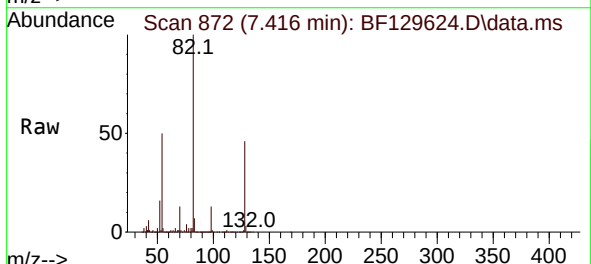
Instrument :
BNA_F
ClientSampleId :
COMP3-0804

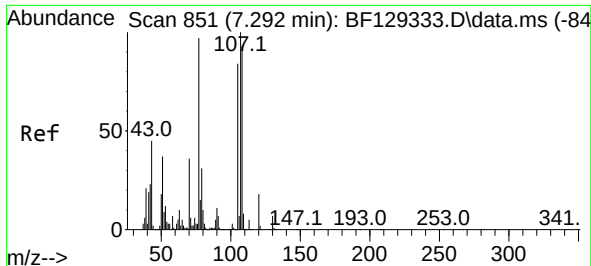
Tgt Ion: 99 Resp: 1062651
Ion Ratio Lower Upper
99 100
42 18.3 17.3 25.9
71 34.9 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 17.479 ng
RT: 7.416 min Scan# 872
Delta R.T. 0.147 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

Tgt Ion: 70 Resp: 90367
Ion Ratio Lower Upper
70 100
42 46.1 52.3 78.5#
101 0.0 7.5 11.3#
130 2.4 16.1 24.1#





#20

3+4-Methylphenols

Concen: 5.518 ng

RT: 7.275 min Scan# 84

Delta R.T. 0.000 min

Lab File: BF129624.D

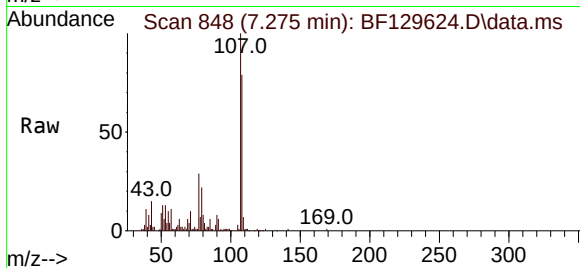
Acq: 06 Aug 2022 04:32

Instrument :

BNA_F

ClientSampleId :

COMP3-0804



Tgt Ion:107 Resp: 43202

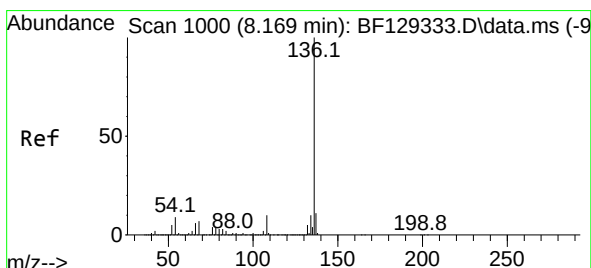
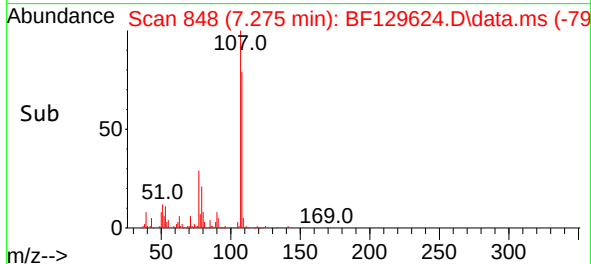
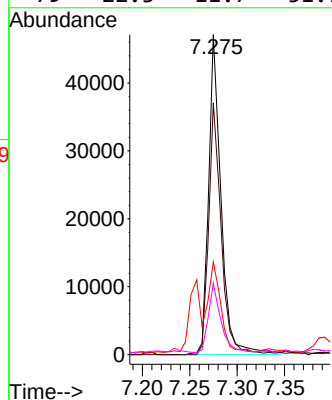
Ion Ratio Lower Upper

107 100

108 78.7 71.8 111.8

77 29.0 59.3 99.3#

79 22.3 11.7 51.7



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 993

Delta R.T. -0.006 min

Lab File: BF129624.D

Acq: 06 Aug 2022 04:32

Tgt Ion:136 Resp: 387430

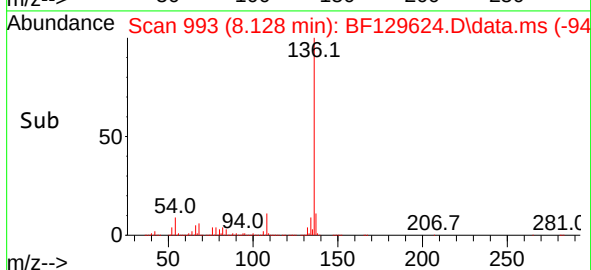
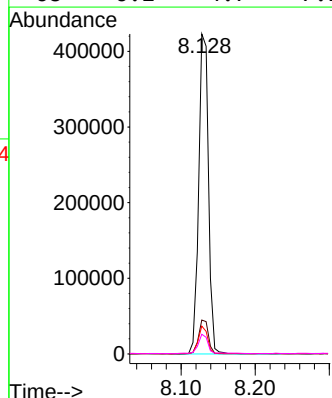
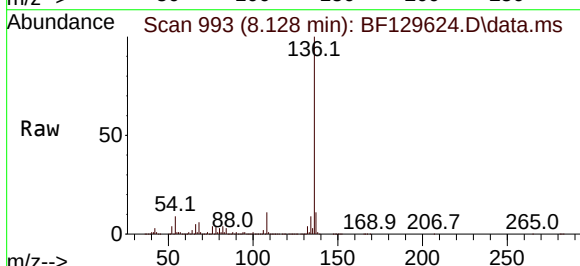
Ion Ratio Lower Upper

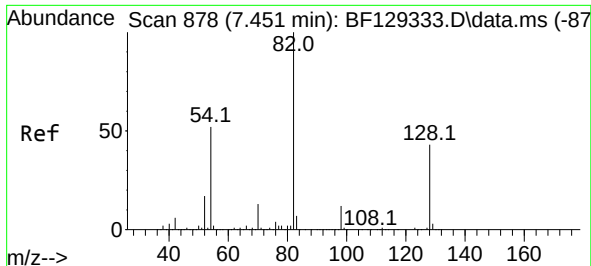
136 100

137 10.6 8.8 13.2

54 8.7 7.5 11.3

68 6.2 4.7 7.1

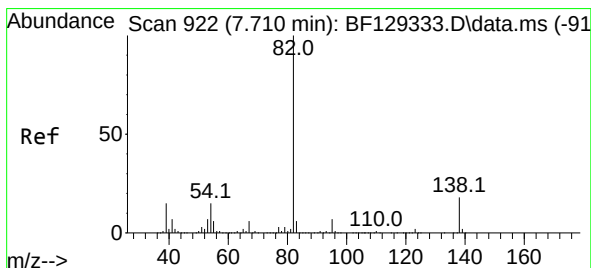
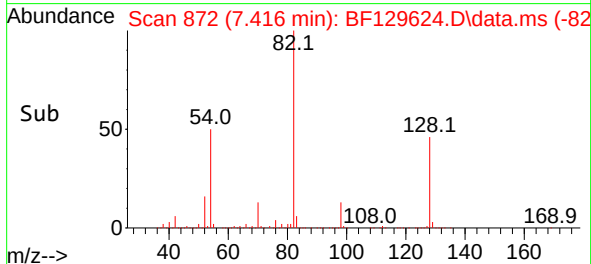
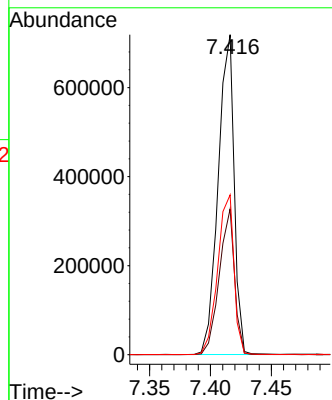
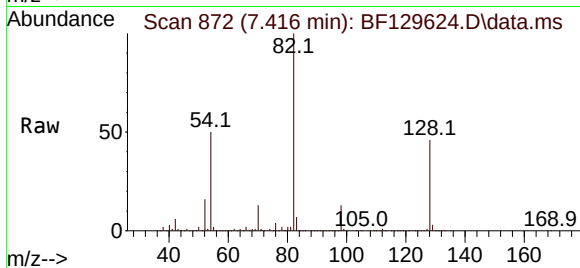




#23
Nitrobenzene-d5
Concen: 92.525 ng
RT: 7.416 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

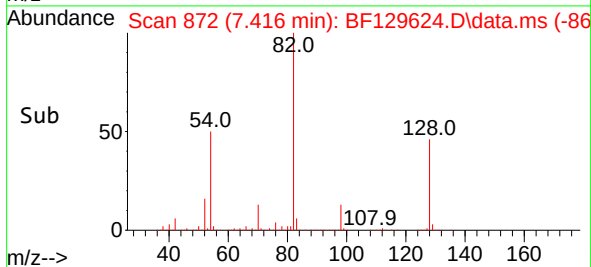
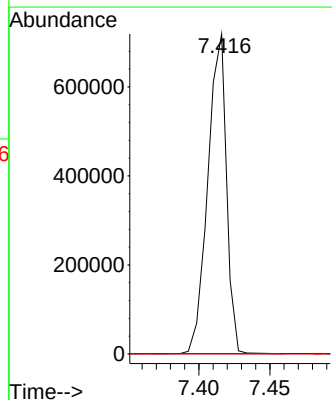
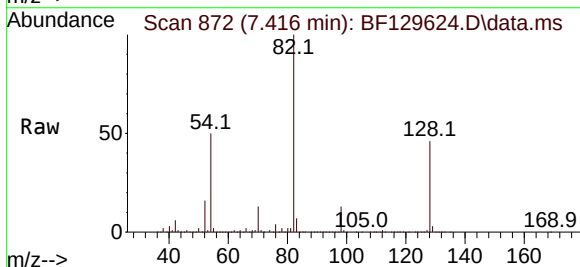
Instrument :
BNA_F
ClientSampleId :
COMP3-0804

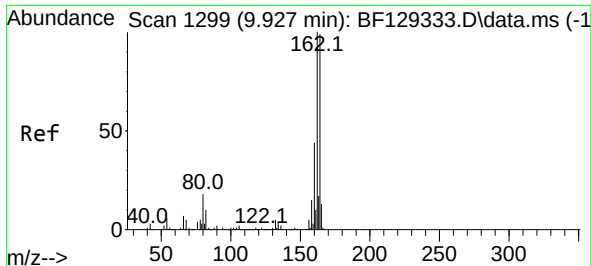
Tgt Ion: 82 Resp: 656677
Ion Ratio Lower Upper
82 100
128 45.5 34.0 51.0
54 50.0 46.9 70.3



#25
Isophorone
Concen: 51.535 ng
RT: 7.416 min Scan# 872
Delta R.T. -0.265 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

Tgt Ion: 82 Resp: 655621
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# 1

Delta R.T. -0.006 min

Lab File: BF129624.D

Acq: 06 Aug 2022 04:32

Instrument :

BNA_F

ClientSampleId :

COMP3-0804

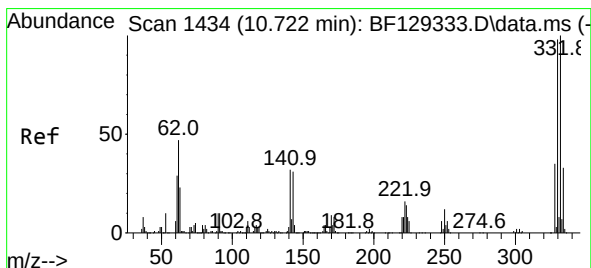
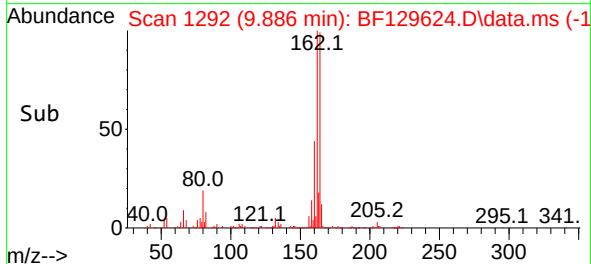
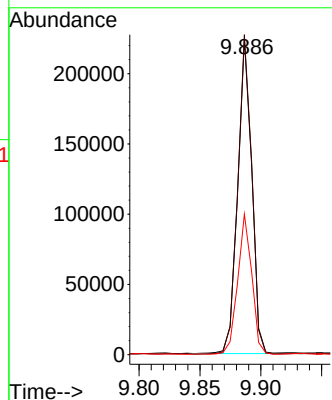
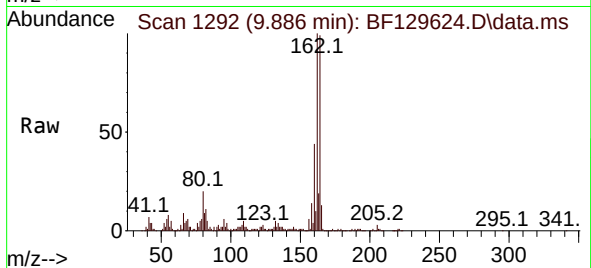
Tgt Ion:164 Resp: 179701

Ion Ratio Lower Upper

164 100

162 101.3 79.5 119.3

160 44.5 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 142.364 ng

RT: 10.686 min Scan# 1428

Delta R.T. 0.000 min

Lab File: BF129624.D

Acq: 06 Aug 2022 04:32

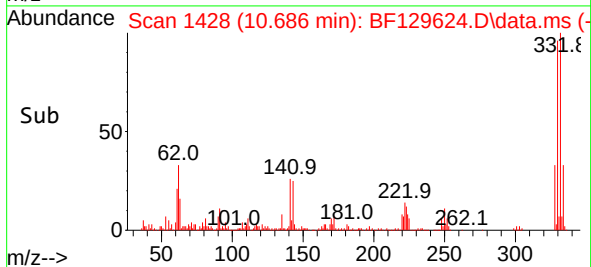
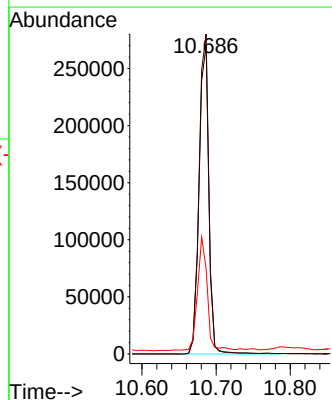
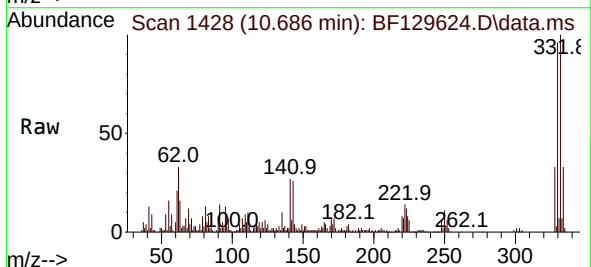
Tgt Ion:330 Resp: 245961

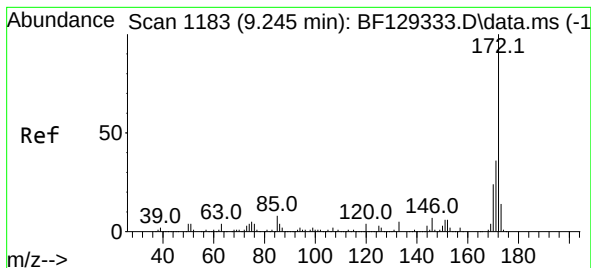
Ion Ratio Lower Upper

330 100

332 103.8 76.8 115.2

141 37.3 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 88.861 ng

RT: 9.204 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF129624.D

Acq: 06 Aug 2022 04:32

Instrument :

BNA_F

ClientSampleId :

COMP3-0804

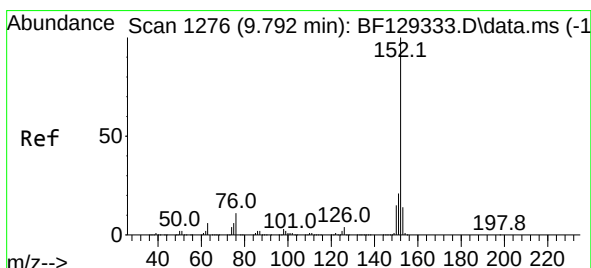
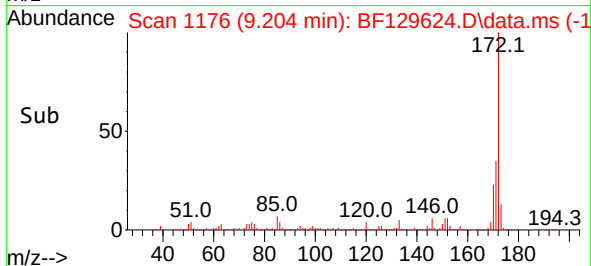
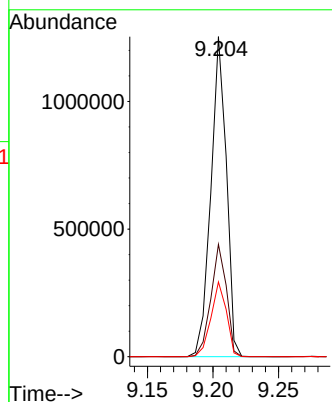
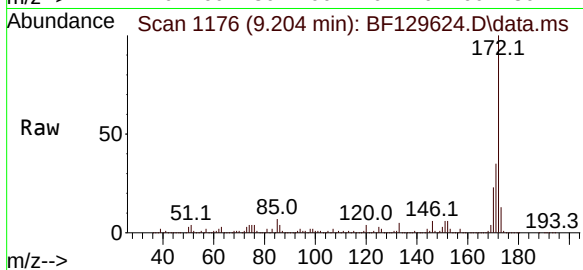
Tgt Ion:172 Resp: 1032256

Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

170 23.4 19.8 29.8



#49

Acenaphthylene

Concen: 2.120 ng

RT: 9.751 min Scan# 1269

Delta R.T. -0.006 min

Lab File: BF129624.D

Acq: 06 Aug 2022 04:32

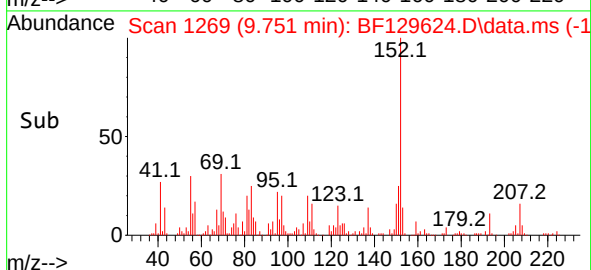
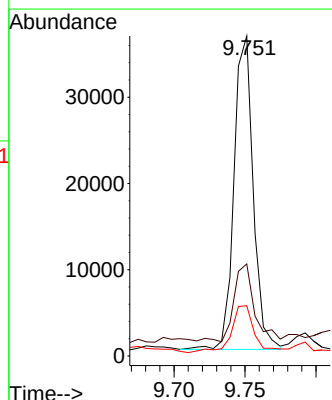
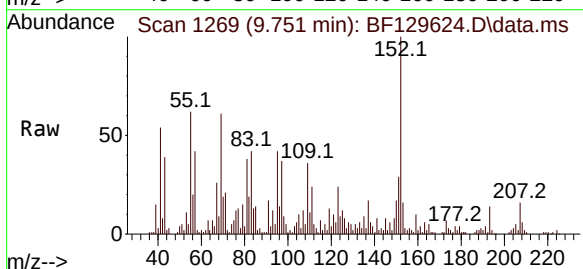
Tgt Ion:152 Resp: 34151

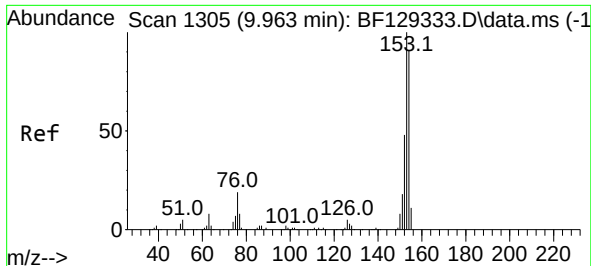
Ion Ratio Lower Upper

152 100

151 28.8 16.2 24.4#

153 15.7 10.7 16.1

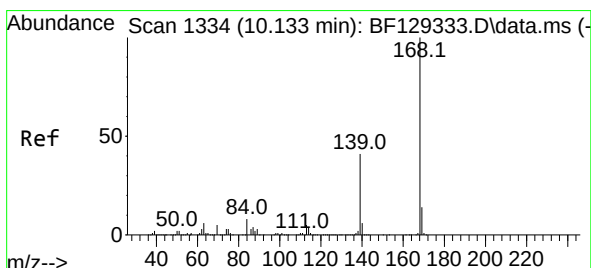
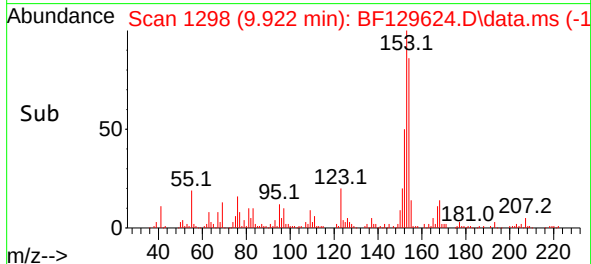
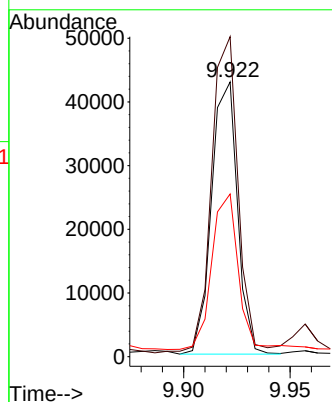
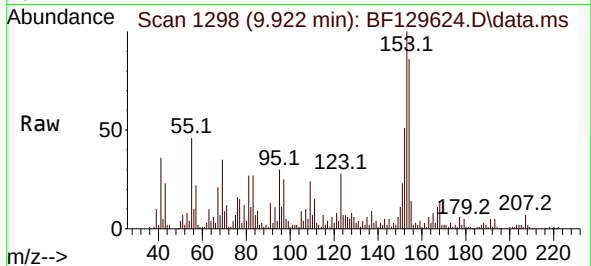




#52
Acenaphthene
Concen: 3.441 ng
RT: 9.922 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

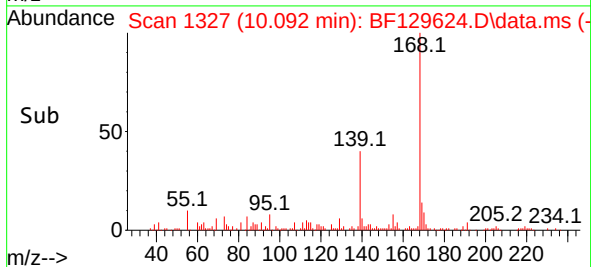
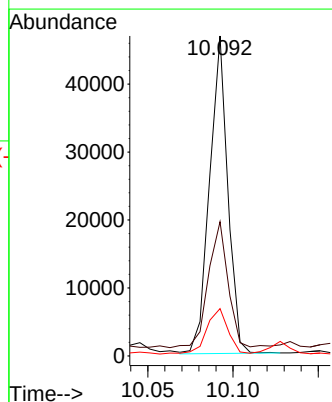
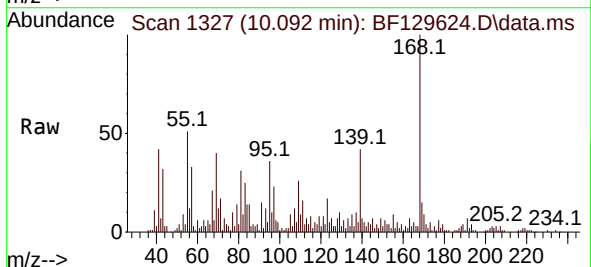
Instrument :
BNA_F
ClientSampleId :
COMP3-0804

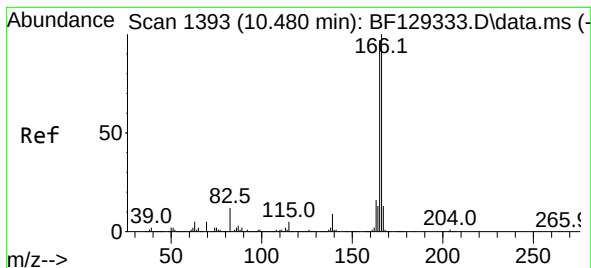
Tgt Ion:154 Resp: 36204
Ion Ratio Lower Upper
154 100
153 116.4 89.6 134.4
152 59.2 42.4 63.6



#55
Dibenzofuran
Concen: 2.400 ng
RT: 10.092 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

Tgt Ion:168 Resp: 34807
Ion Ratio Lower Upper
168 100
139 41.9 30.6 46.0
169 14.8 11.0 16.6





#58

Fluorene

Concen: 3.344 ng

RT: 10.434 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129624.D

Acq: 06 Aug 2022 04:32

Instrument :

BNA_F

ClientSampleId :

COMP3-0804

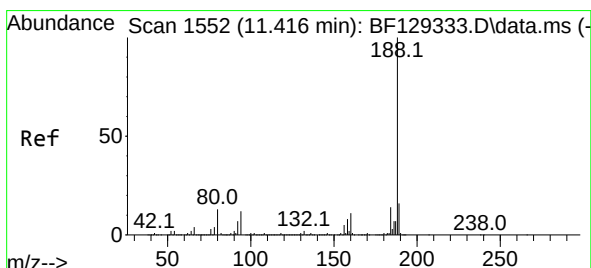
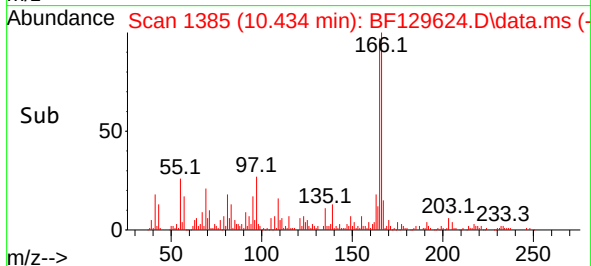
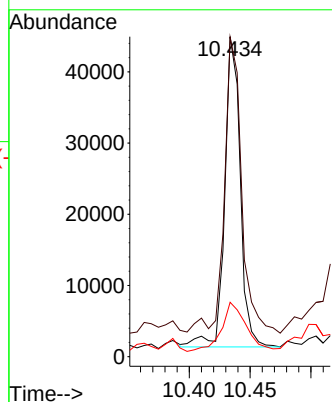
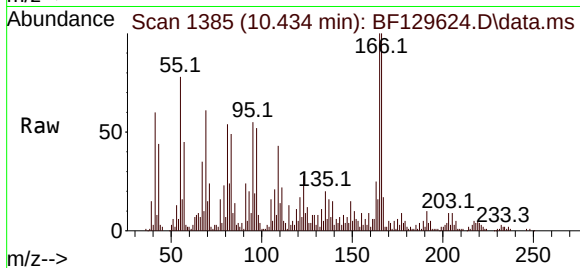
Tgt Ion:166 Resp: 38804

Ion Ratio Lower Upper

166 100

165 99.8 78.1 117.1

167 17.0 10.5 15.7#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.381 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF129624.D

Acq: 06 Aug 2022 04:32

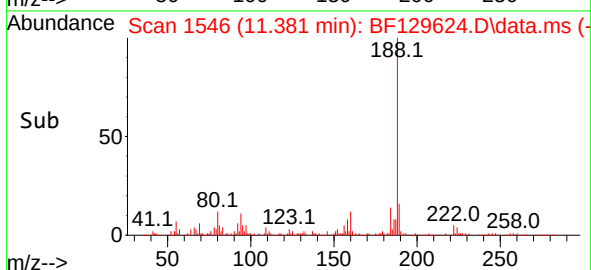
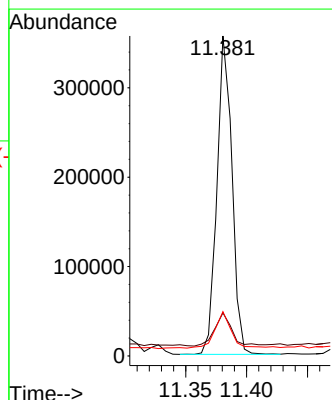
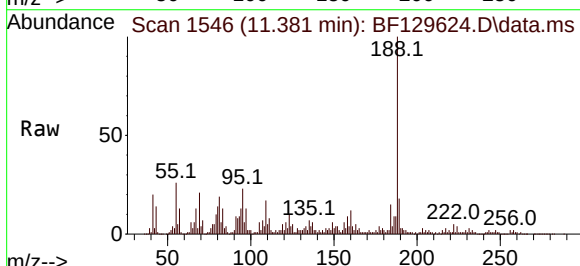
Tgt Ion:188 Resp: 305862

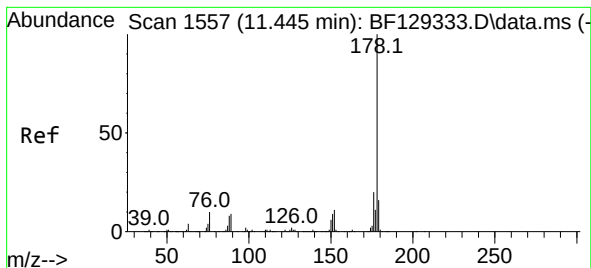
Ion Ratio Lower Upper

188 100

94 13.5 7.0 10.6#

80 13.9 7.6 11.4#





#71

Phenanthrene

Concen: 16.532 ng

RT: 11.404 min Scan# 1550

Delta R.T. -0.006 min

Lab File: BF129624.D

Acq: 06 Aug 2022 04:32

Instrument :

BNA_F

ClientSampleId :

COMP3-0804

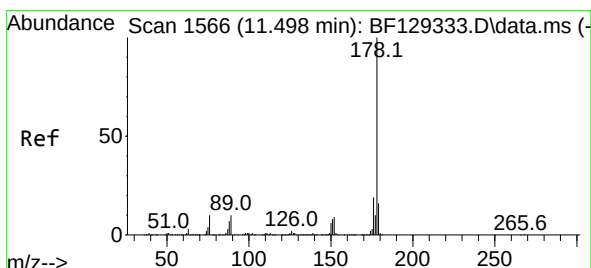
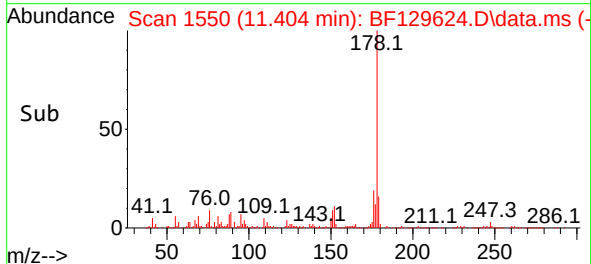
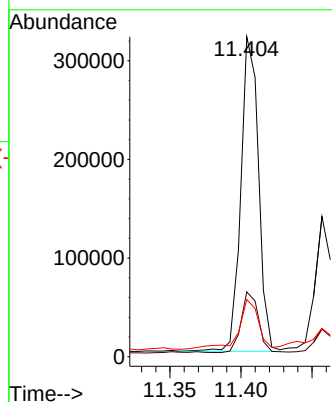
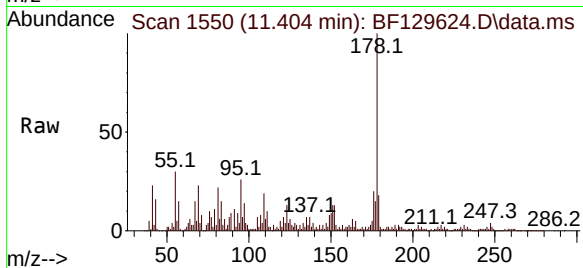
Tgt Ion:178 Resp: 276022

Ion Ratio Lower Upper

178 100

176 20.3 16.0 24.0

179 17.8 12.6 19.0



#72

Anthracene

Concen: 16.823 ng

RT: 11.404 min Scan# 1550

Delta R.T. -0.059 min

Lab File: BF129624.D

Acq: 06 Aug 2022 04:32

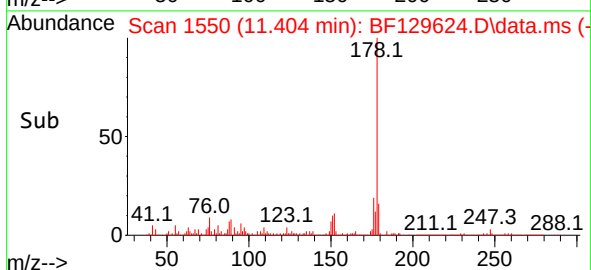
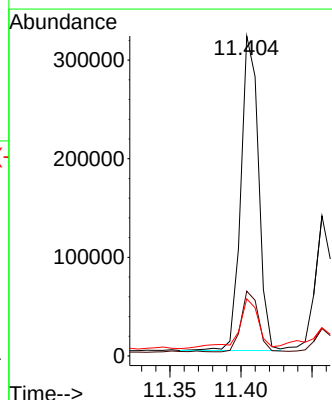
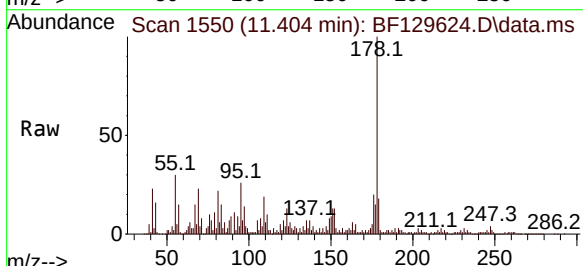
Tgt Ion:178 Resp: 276022

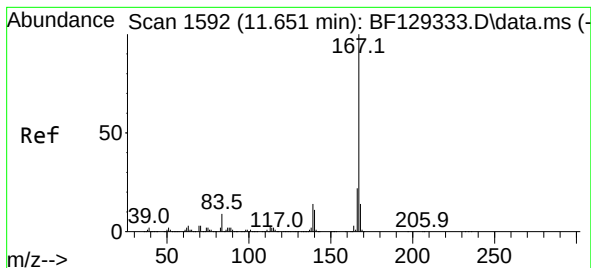
Ion Ratio Lower Upper

178 100

176 20.3 15.4 23.2

179 17.8 12.6 19.0





#73

Carbazole

Concen: 2.470 ng

RT: 11.616 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF129624.D

Acq: 06 Aug 2022 04:32

Instrument :

BNA_F

ClientSampleId :

COMP3-0804

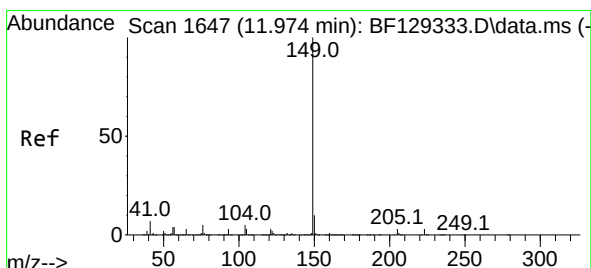
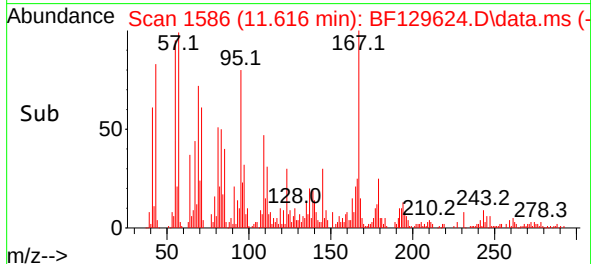
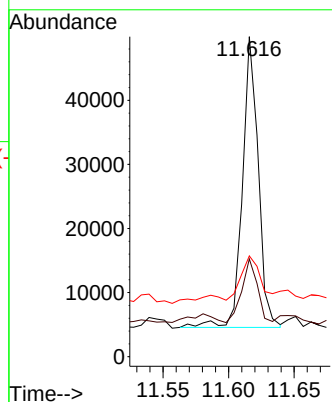
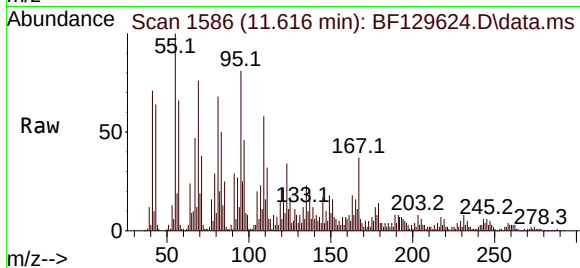
Tgt Ion:167 Resp: 38144

Ion Ratio Lower Upper

167 100

166 30.6 17.7 26.5#

139 31.5 11.2 16.8#



#74

Di-n-butylphthalate

Concen: 2.611 ng

RT: 11.939 min Scan# 1641

Delta R.T. 0.006 min

Lab File: BF129624.D

Acq: 06 Aug 2022 04:32

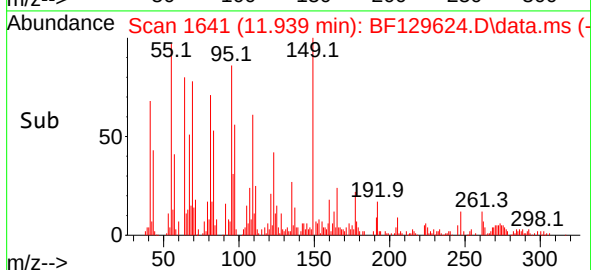
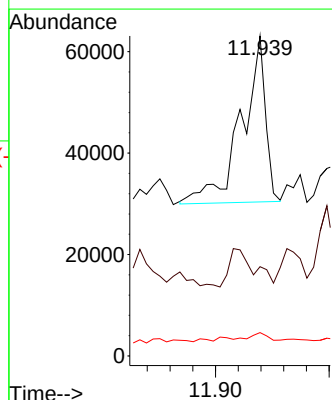
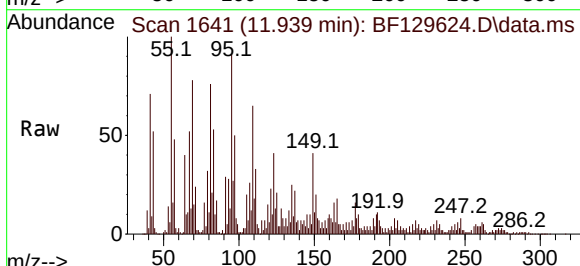
Tgt Ion:149 Resp: 48034

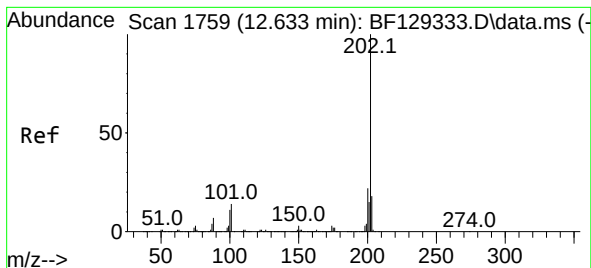
Ion Ratio Lower Upper

149 100

150 27.9 7.5 11.3#

104 7.3 4.4 6.6#





#75

Fluoranthene

Concen: 38.241 ng

RT: 12.610 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF129624.D

Acq: 06 Aug 2022 04:32

Instrument :

BNA_F

ClientSampleId :

COMP3-0804

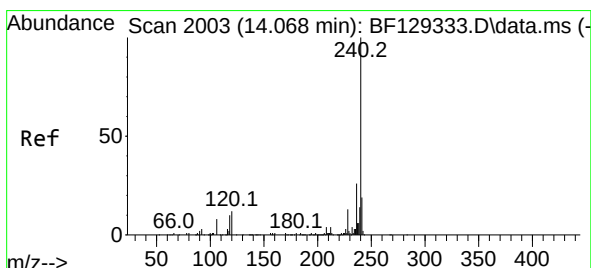
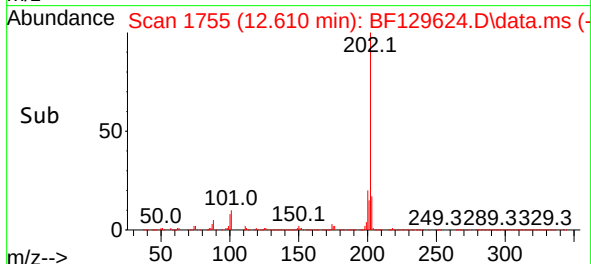
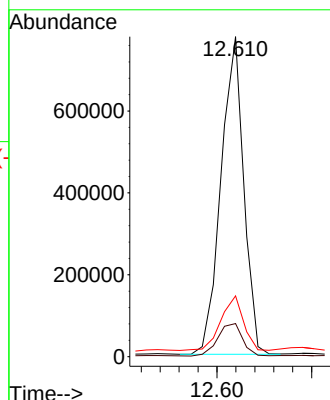
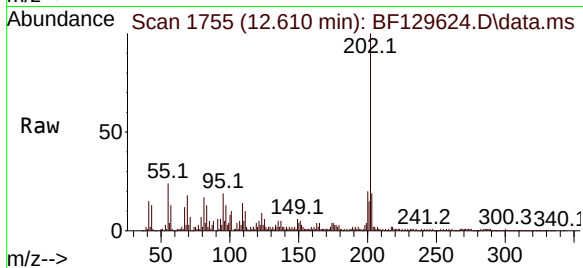
Tgt Ion:202 Resp: 646922

Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.4

203 19.0 0.0 38.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 1998

Delta R.T. 0.012 min

Lab File: BF129624.D

Acq: 06 Aug 2022 04:32

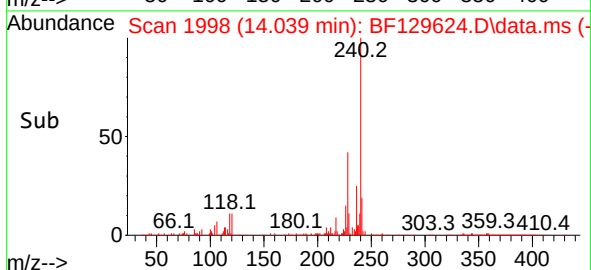
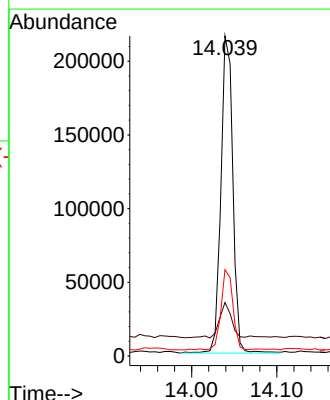
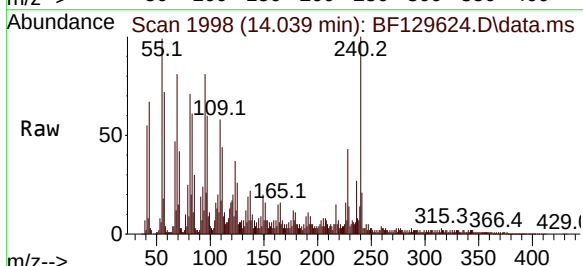
Tgt Ion:240 Resp: 209684

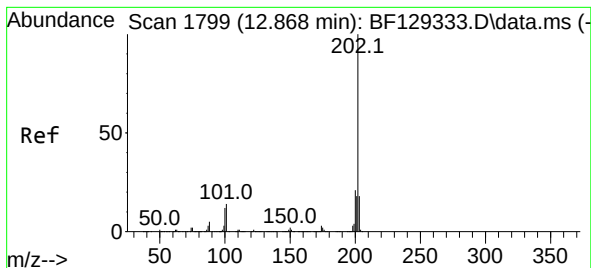
Ion Ratio Lower Upper

240 100

120 16.7 8.9 13.3#

236 26.9 20.8 31.2





#78

Pyrene

Concen: 33.115 ng

RT: 12.839 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF129624.D

Acq: 06 Aug 2022 04:32

Instrument :

BNA_F

ClientSampleId :

COMP3-0804

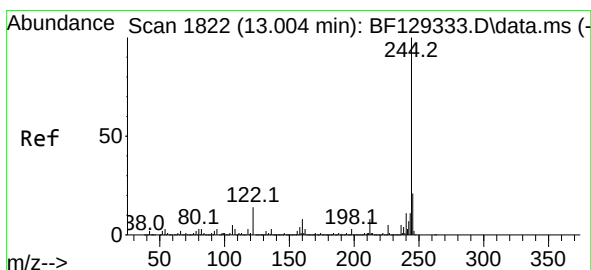
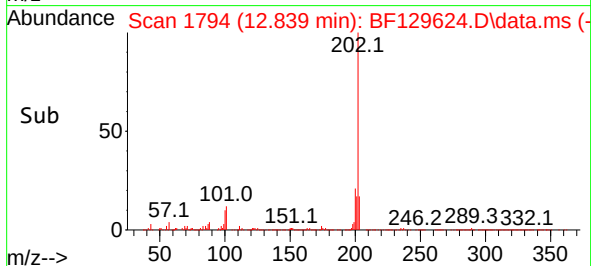
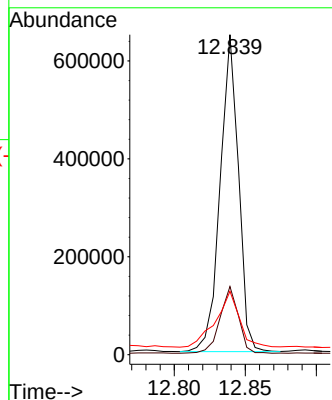
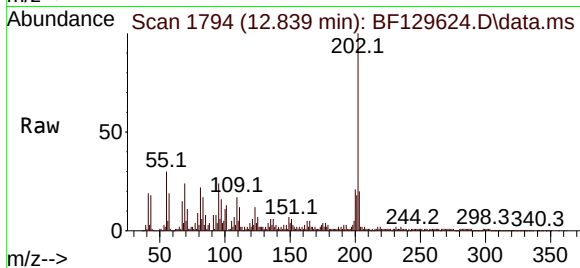
Tgt Ion:202 Resp: 580652

Ion Ratio Lower Upper

202 100

200 21.3 17.7 26.5

203 19.8 14.6 21.8



#79

Terphenyl-d14

Concen: 95.905 ng

RT: 12.975 min Scan# 1817

Delta R.T. 0.006 min

Lab File: BF129624.D

Acq: 06 Aug 2022 04:32

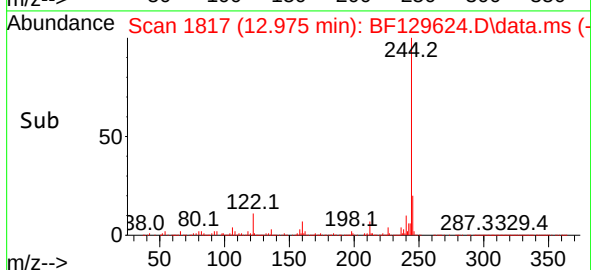
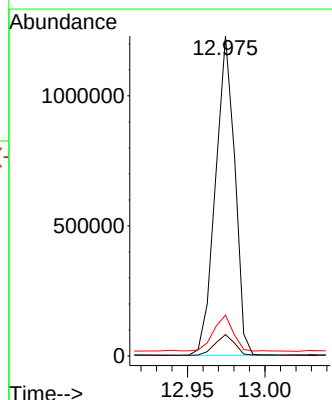
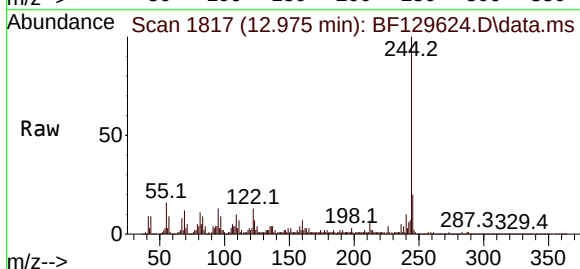
Tgt Ion:244 Resp: 1065931

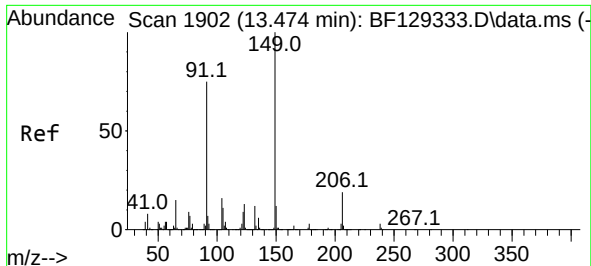
Ion Ratio Lower Upper

244 100

212 6.7 6.1 9.1

122 12.8 8.8 13.2

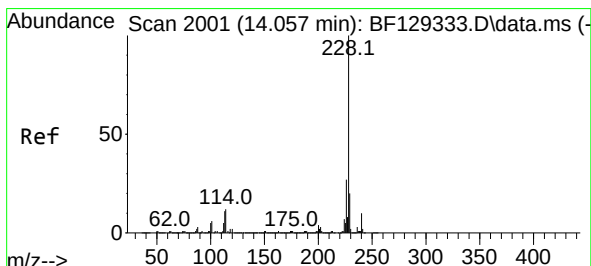
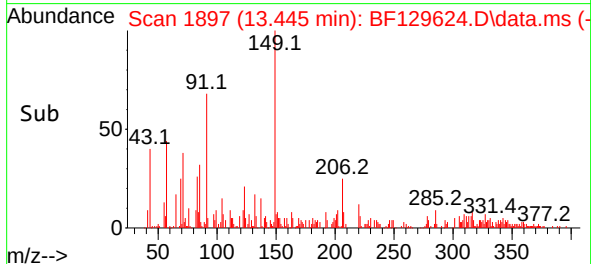
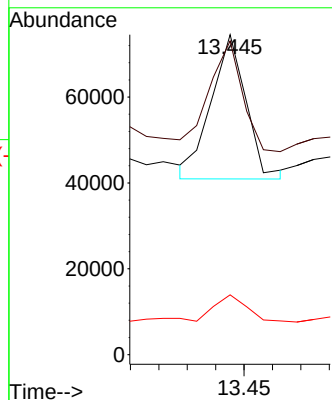
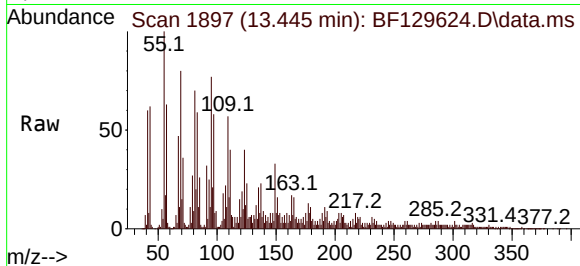




#80
Butylbenzylphthalate
Concen: 3.766 ng
RT: 13.445 min Scan# 1897
Delta R.T. 0.006 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

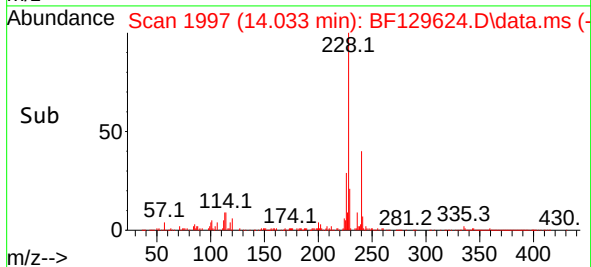
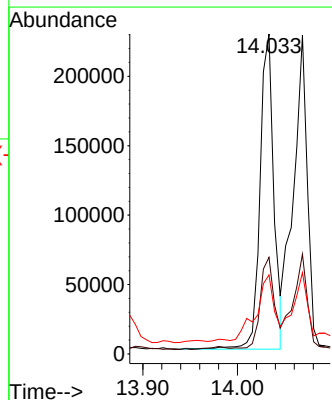
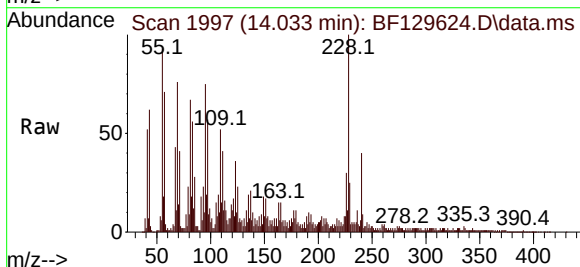
Instrument :
BNA_F
ClientSampleId :
COMP3-0804

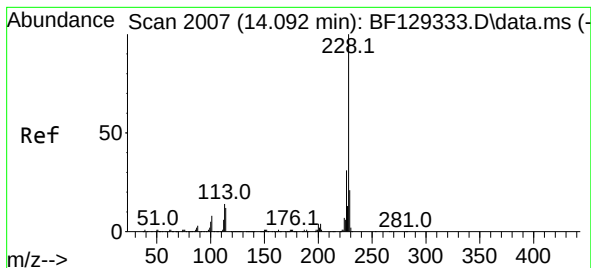
Tgt Ion:149 Resp: 28640
Ion Ratio Lower Upper
149 100
91 98.0 61.2 91.8#
206 18.7 15.7 23.5



#81
Benzo(a)anthracene
Concen: 16.073 ng
RT: 14.033 min Scan# 1997
Delta R.T. 0.018 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

Tgt Ion:228 Resp: 230225
Ion Ratio Lower Upper
228 100
226 30.2 22.1 33.1
229 24.7 15.8 23.8#





#83

Chrysene

Concen: 17.289 ng

RT: 14.069 min Scan# 2007

Delta R.T. 0.012 min

Lab File: BF129624.D

Acq: 06 Aug 2022 04:32

Instrument :

BNA_F

ClientSampleId :

COMP3-0804

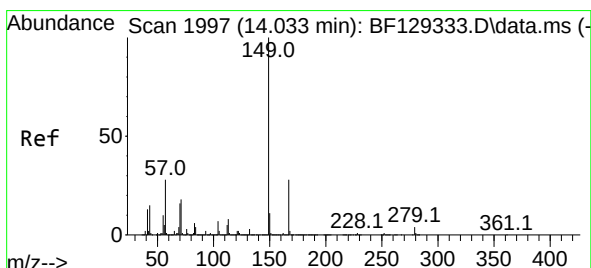
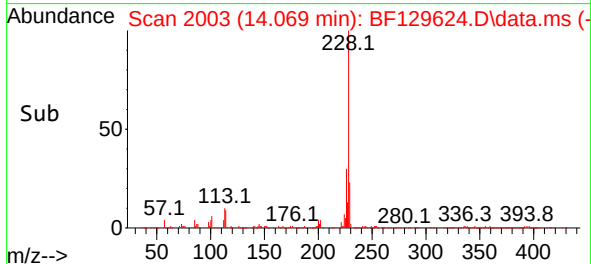
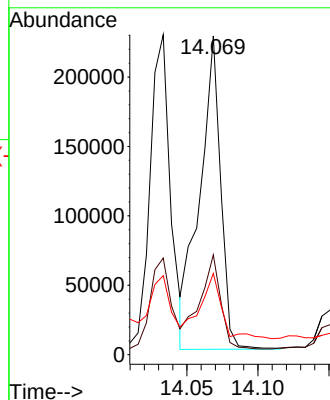
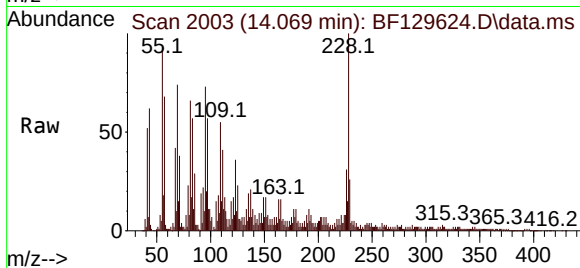
Tgt Ion:228 Resp: 233388

Ion Ratio Lower Upper

228 100

226 31.3 24.3 36.5

229 25.5 15.9 23.9#



#84

Bis(2-ethylhexyl)phthalate

Concen: 30.822 ng

RT: 14.004 min Scan# 1992

Delta R.T. 0.018 min

Lab File: BF129624.D

Acq: 06 Aug 2022 04:32

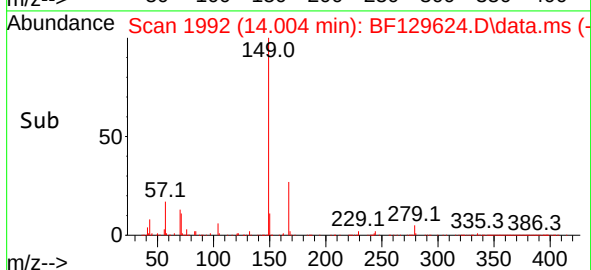
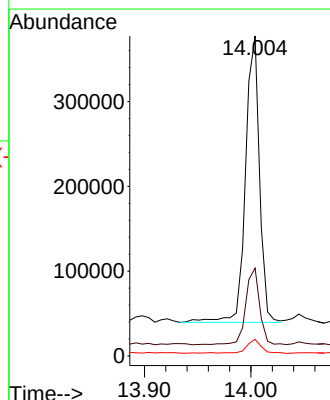
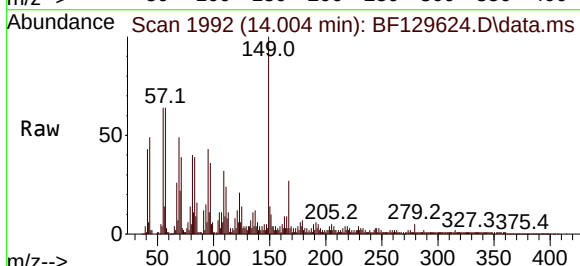
Tgt Ion:149 Resp: 308620

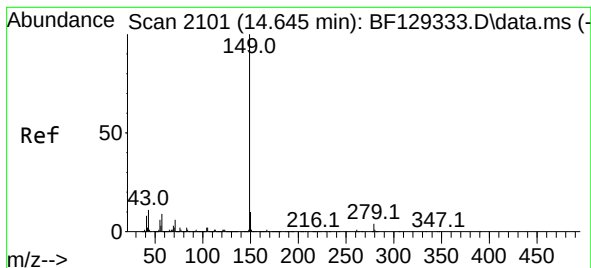
Ion Ratio Lower Upper

149 100

167 27.5 21.0 31.4

279 5.2 3.1 4.7#





#85

Di-n-octyl phthalate

Concen: 2.859 ng

RT: 14.616 min Scan# 2096

Delta R.T. 0.012 min

Lab File: BF129624.D

Acq: 06 Aug 2022 04:32

Instrument :

BNA_F

ClientSampleId :

COMP3-0804

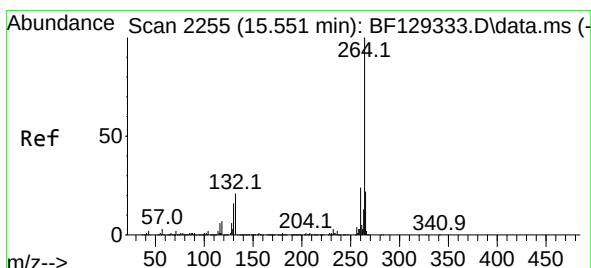
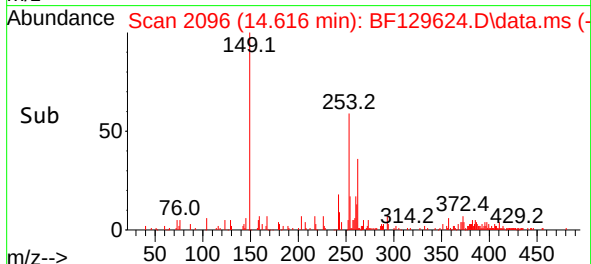
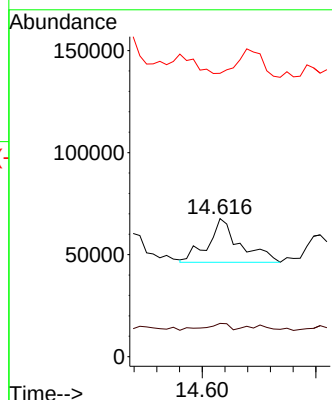
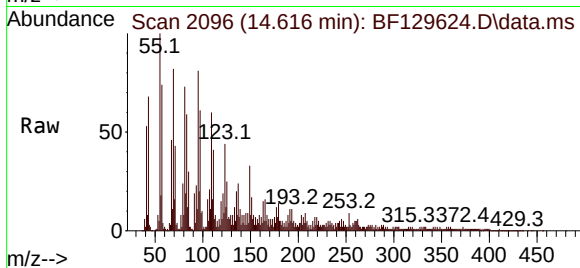
Tgt Ion:149 Resp: 41197

Ion Ratio Lower Upper

149 100

167 4.6 1.3 1.9#

43 0.0 9.2 13.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2252

Delta R.T. 0.029 min

Lab File: BF129624.D

Acq: 06 Aug 2022 04:32

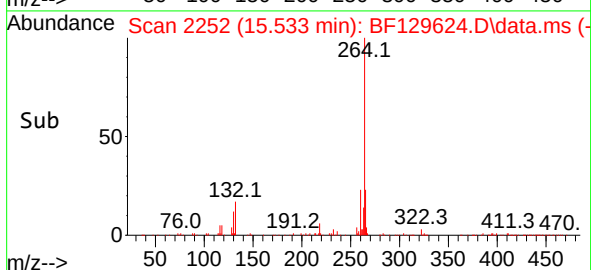
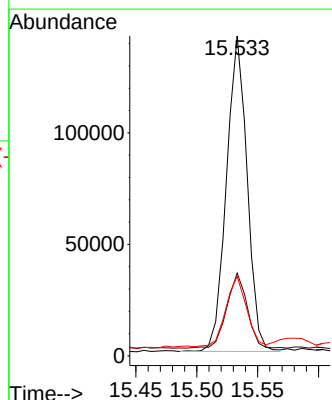
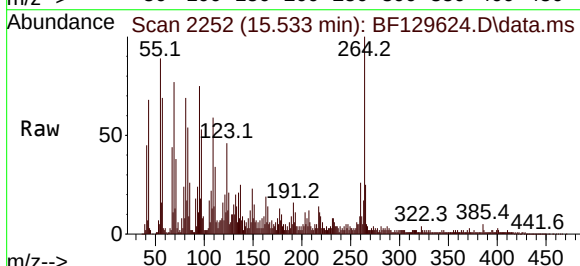
Tgt Ion:264 Resp: 167285

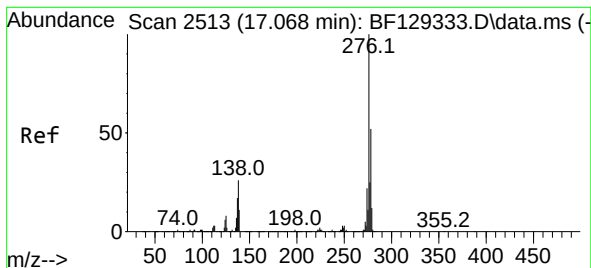
Ion Ratio Lower Upper

264 100

260 25.9 18.4 27.6

265 24.9 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.956 ng

RT: 17.027 min Scan# 2177

Delta R.T. 0.029 min

Lab File: BF129624.D

Acq: 06 Aug 2022 04:32

Instrument :

BNA_F

ClientSampleId :

COMP3-0804

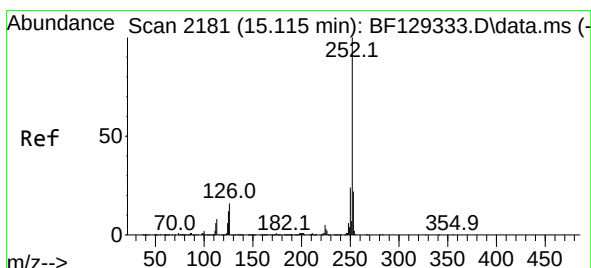
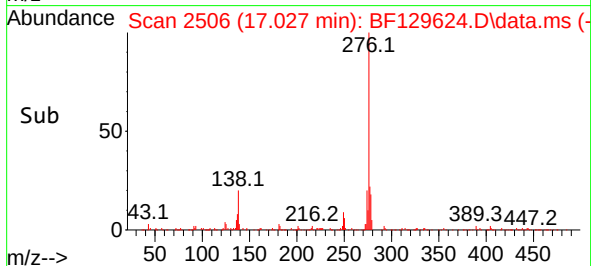
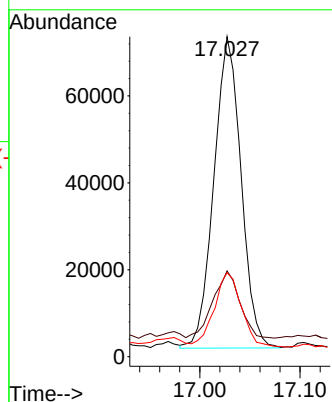
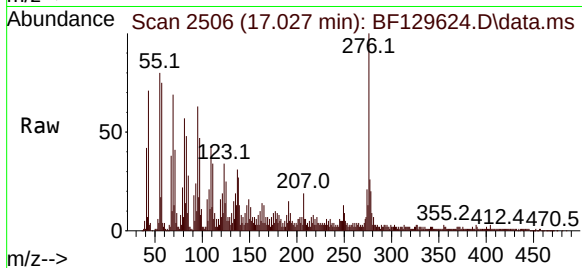
Tgt Ion:276 Resp: 134688

Ion Ratio Lower Upper

276 100

138 21.1 21.1 31.7

277 23.8 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 35.226 ng

RT: 15.092 min Scan# 2177

Delta R.T. 0.024 min

Lab File: BF129624.D

Acq: 06 Aug 2022 04:32

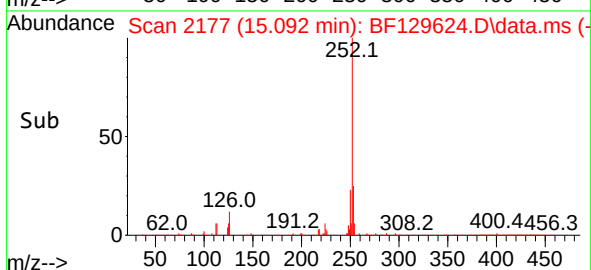
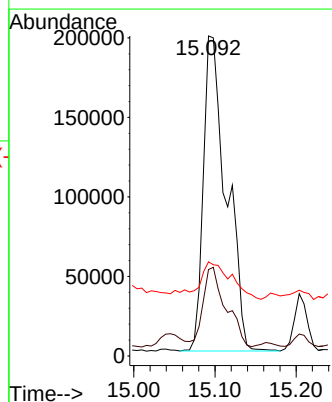
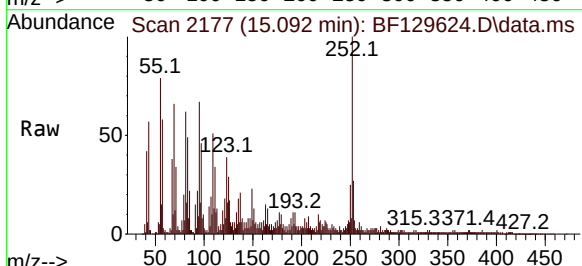
Tgt Ion:252 Resp: 390890

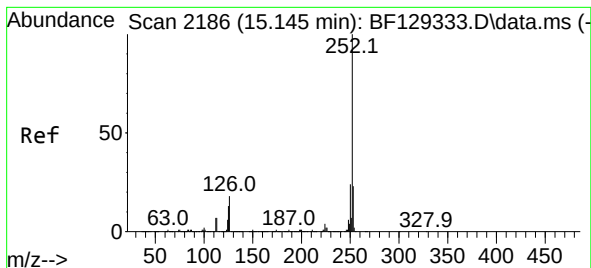
Ion Ratio Lower Upper

252 100

253 27.0 17.7 26.5#

125 29.4 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 35.946 ng

RT: 15.092 min Scan# 2186

Delta R.T. -0.012 min

Lab File: BF129624.D

Acq: 06 Aug 2022 04:32

Instrument :

BNA_F

ClientSampleId :

COMP3-0804

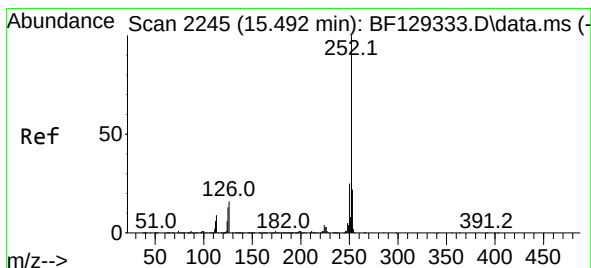
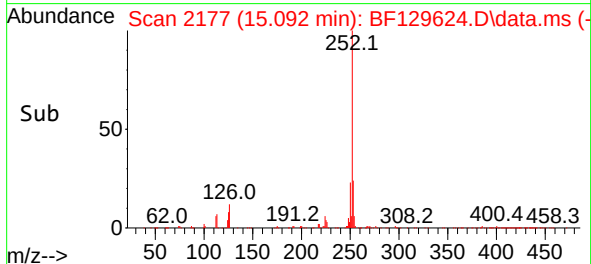
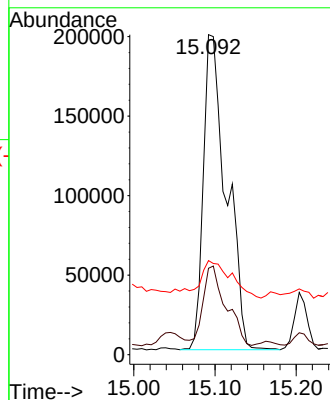
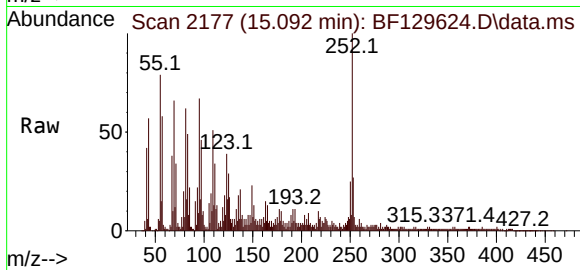
Tgt Ion:252 Resp: 390890

Ion Ratio Lower Upper

252 100

253 27.0 17.8 26.6#

125 29.4 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 19.446 ng

RT: 15.468 min Scan# 2241

Delta R.T. 0.029 min

Lab File: BF129624.D

Acq: 06 Aug 2022 04:32

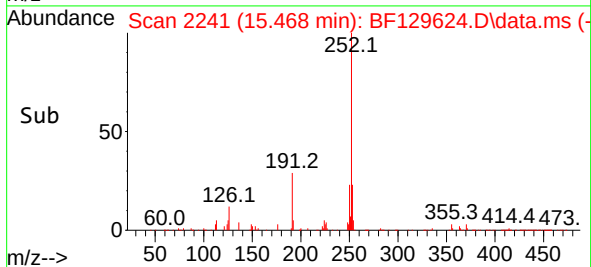
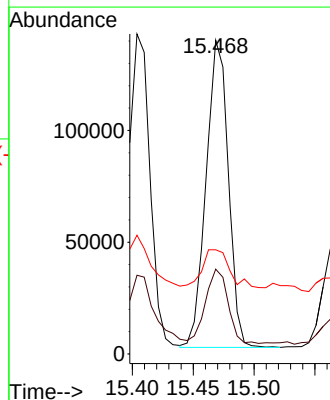
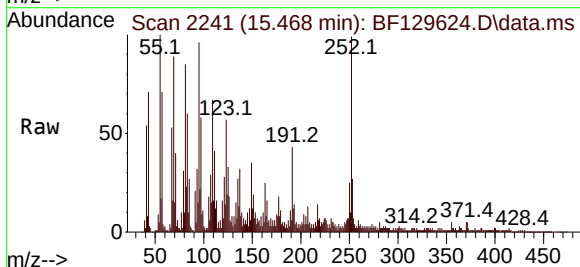
Tgt Ion:252 Resp: 175166

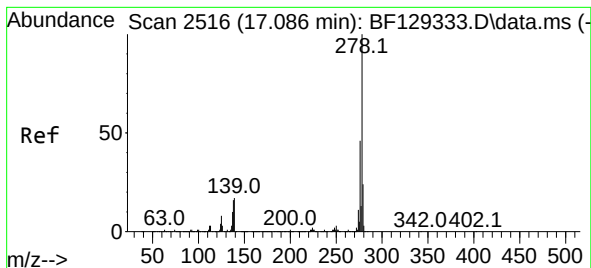
Ion Ratio Lower Upper

252 100

253 27.0 17.0 25.6#

125 33.2 8.8 13.2#





#91

Dibenzo(a,h)anthracene

Concen: 3.645 ng

RT: 17.033 min Scan# 2

Delta R.T. 0.024 min

Lab File: BF129624.D

Acq: 06 Aug 2022 04:32

Instrument :

BNA_F

ClientSampleId :

COMP3-0804

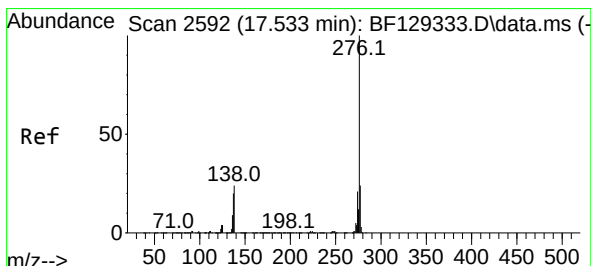
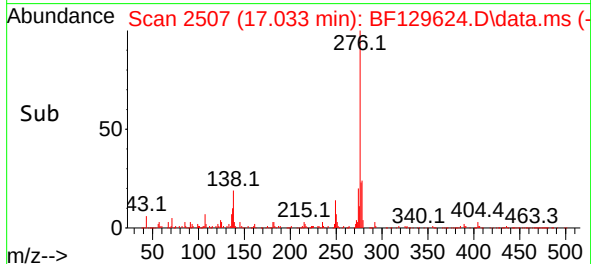
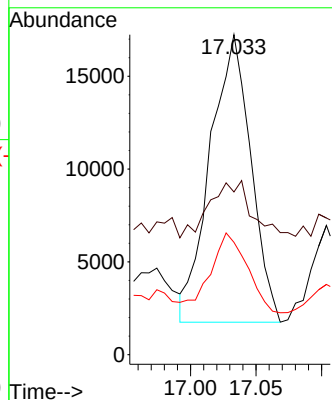
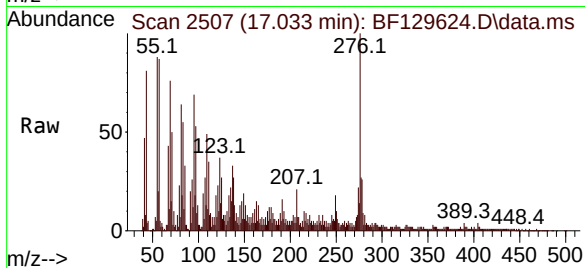
Tgt Ion:278 Resp: 33417

Ion Ratio Lower Upper

278 100

139 50.8 12.8 19.2#

279 35.1 18.6 28.0#



#92

Benzo(g,h,i)perylene

Concen: 15.221 ng

RT: 17.486 min Scan# 2584

Delta R.T. 0.035 min

Lab File: BF129624.D

Acq: 06 Aug 2022 04:32

Tgt Ion:276 Resp: 142606

Ion Ratio Lower Upper

276 100

277 25.8 19.1 28.7

138 27.1 18.0 27.0#

