

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
 Data File : BF131793.D
 Acq On : 23 Dec 2022 00:03
 Operator : CG\JU
 Sample : N6038-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-34-(1.5-2)

Quant Time: Dec 23 03:37:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 03:03:57 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

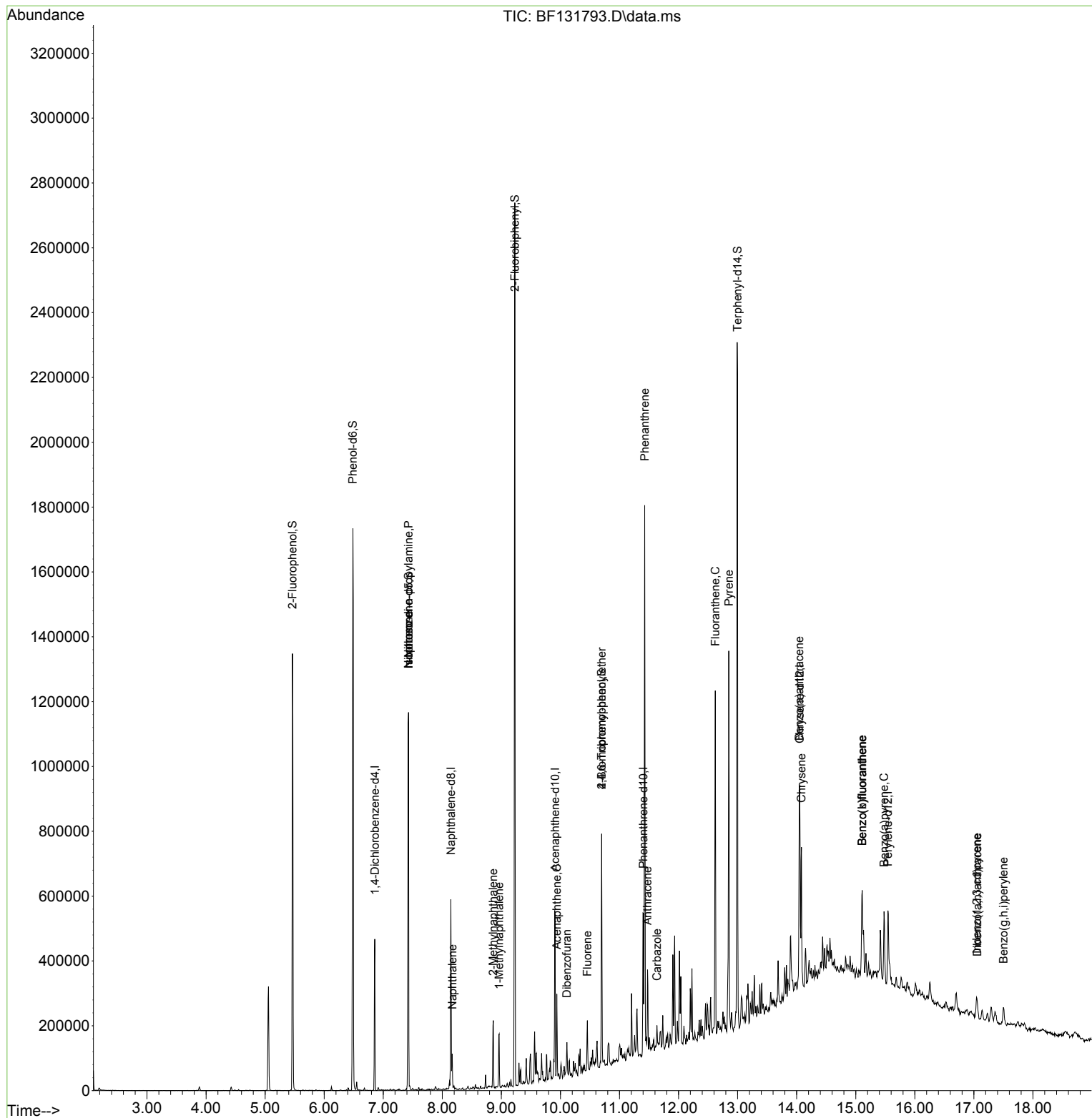
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	60714	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	209091	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	103395	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	166395	20.000	ng	0.00
76) Chrysene-d12	14.051	240	127024	20.000	ng	0.00
86) Perylene-d12	15.545	264	106228	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	330843	91.758	ng	0.00
7) Phenol-d6	6.486	99	605359	124.739	ng	0.00
23) Nitrobenzene-d5	7.428	82	406455	78.916	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	62359	55.102	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	718201	97.304	ng	0.00
79) Terphenyl-d14	12.998	244	772038	94.725	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	1687	Below Cal		89
19) n-Nitroso-di-n-propyla...	7.428	70	56626	16.179 ng	#	79
25) Isophorone	7.428	82	404943	46.296 ng	#	70
31) Naphthalene	8.169	128	37880	3.317 ng		99
37) 2-Methylnaphthalene	8.863	142	49382	6.340 ng		97
38) 1-Methylnaphthalene	8.963	142	39788	5.274 ng		99
52) Acenaphthene	9.939	154	41795	7.143 ng		97
55) Dibenzofuran	10.110	168	22896	2.552 ng	#	87
58) Fluorene	10.457	166	36417	5.020 ng		96
67) 4-Bromophenyl-phenylether	10.698	248	4753	2.419 ng	#	1
71) Phenanthrene	11.427	178	544699	60.033 ng		99
72) Anthracene	11.474	178	87812	9.884 ng		99
73) Carbazole	11.633	167	19330	2.515 ng		93
75) Fluoranthene	12.621	202	388068	38.404 ng		99
78) Pyrene	12.851	202	452307	39.165 ng		100
81) Benzo(a)anthracene	14.045	228	191036	20.882 ng		97
83) Chrysene	14.080	228	176669	20.461 ng		97
87) Indeno(1,2,3-cd)pyrene	17.050	276	45455	6.371 ng		98
88) Benzo(b)fluoranthene	15.109	252	190614	25.363 ng	#	96
89) Benzo(k)fluoranthene	15.109	252	190614	25.992 ng	#	96
90) Benzo(a)pyrene	15.480	252	103253	17.344 ng		98
91) Dibenzo(a,h)anthracene	17.056	278	13586	2.304 ng	#	66
92) Benzo(g,h,i)perylene	17.503	276	45272	7.768 ng		97

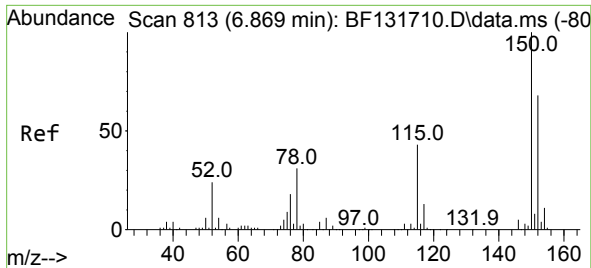
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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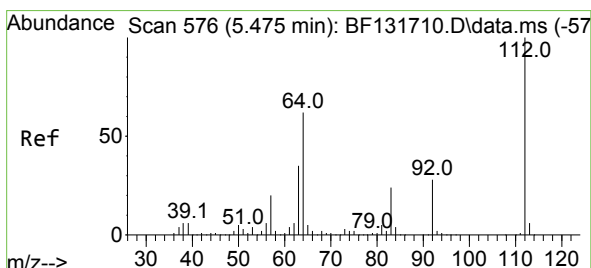
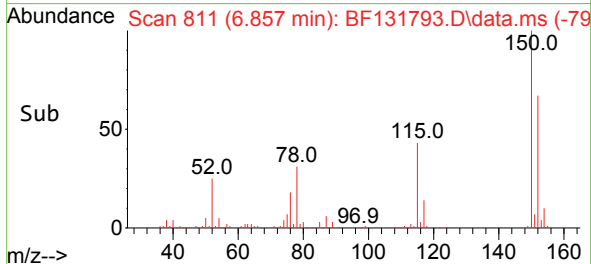
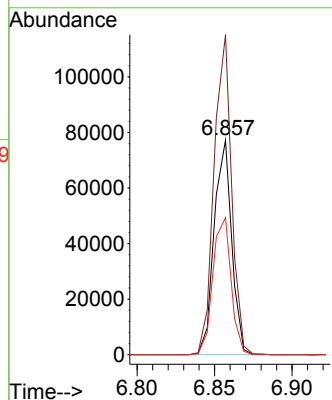
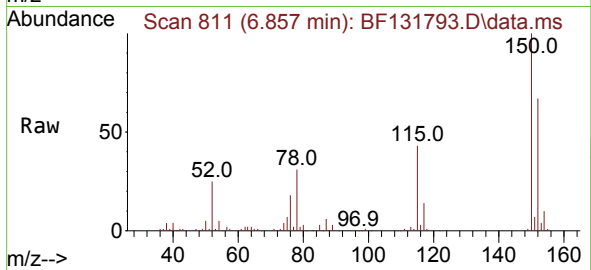




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 813
Delta R.T. 0.000 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

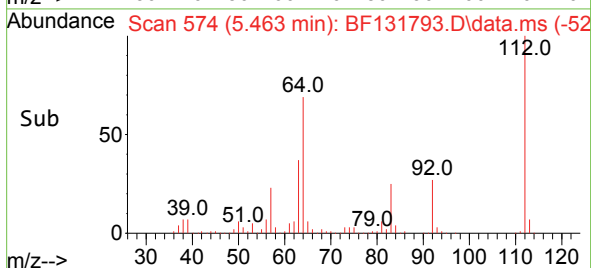
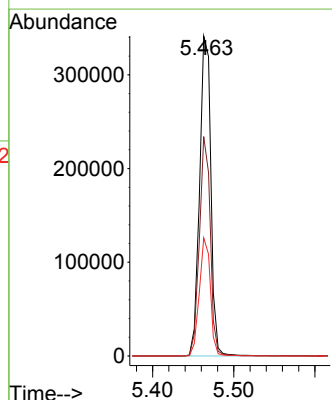
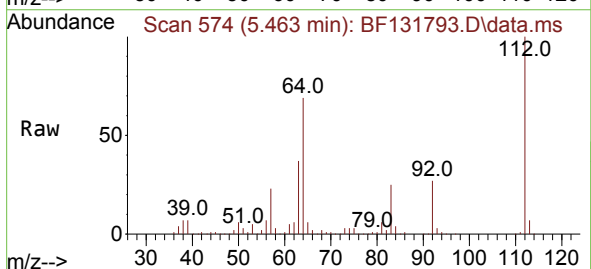
Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)

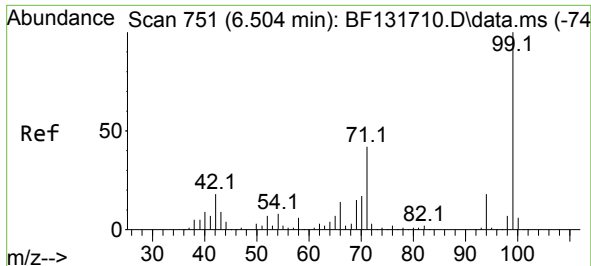
Tgt Ion:152 Resp: 60714
Ion Ratio Lower Upper
152 100
150 149.2 117.4 176.0
115 63.8 50.2 75.4



#5
2-Fluorophenol
Concen: 91.758 ng
RT: 5.463 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

Tgt Ion:112 Resp: 330843
Ion Ratio Lower Upper
112 100
64 68.5 49.5 74.3
63 36.9 28.2 42.2

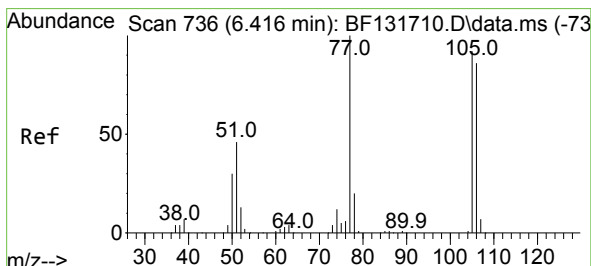
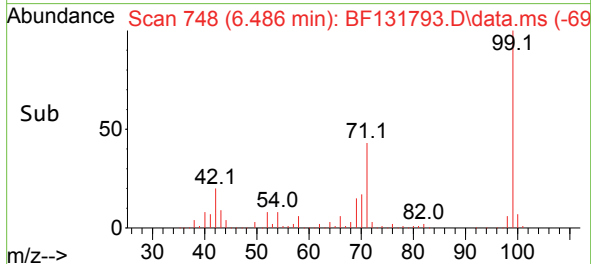
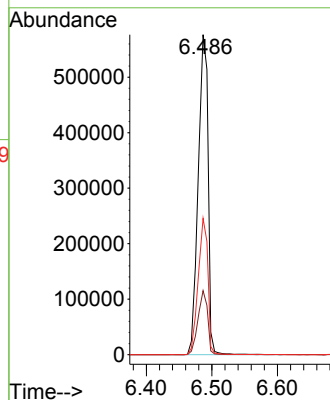
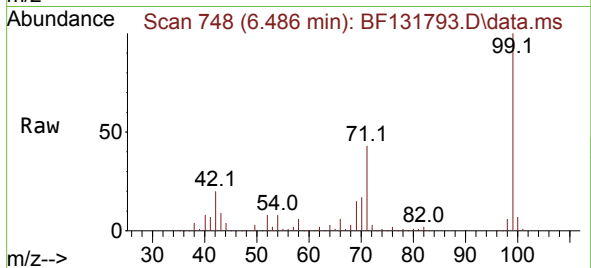




#7
Phenol-d6
Concen: 124.739 ng
RT: 6.486 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

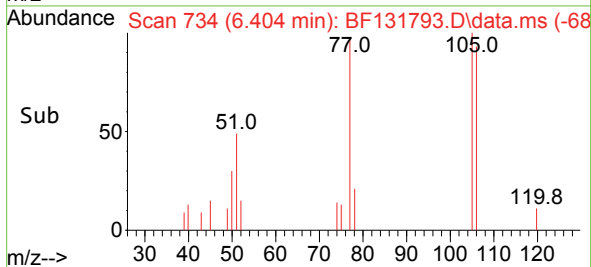
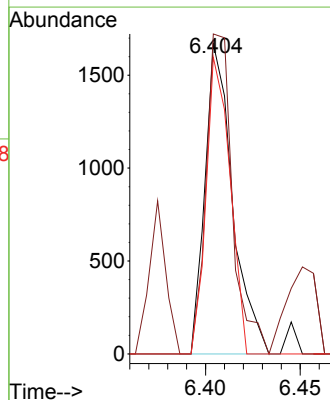
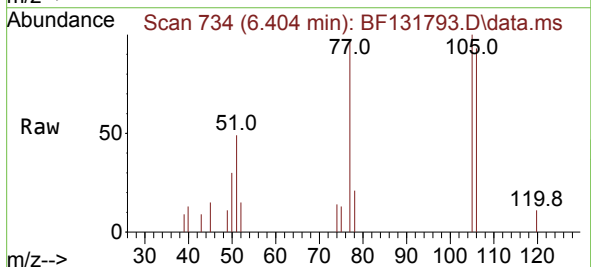
Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)

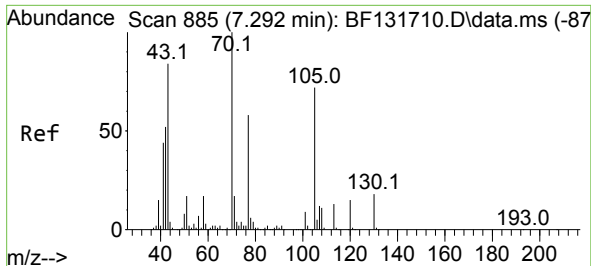
Tgt Ion: 99 Resp: 605359
Ion Ratio Lower Upper
99 100
42 20.0 14.8 22.2
71 42.6 33.8 50.6



#9
Benzaldehyde
Concen: Below Cal
RT: 6.404 min Scan# 734
Delta R.T. -0.000 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

Tgt Ion: 77 Resp: 1687
Ion Ratio Lower Upper
77 100
105 103.1 72.4 112.4
106 95.6 66.5 106.5





#19

n-Nitroso-di-n-propylamine

Concen: 16.179 ng

RT: 7.428 min Scan# 90

Delta R.T. 0.153 min

Lab File: BF131793.D

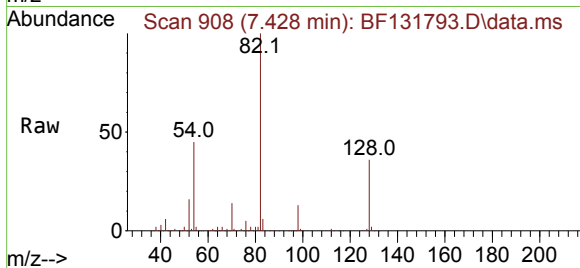
Acq: 23 Dec 2022 00:03

Instrument :

BNA_F

ClientSampleId :

RB-34-(1.5-2)



Tgt Ion: 70 Resp: 56626

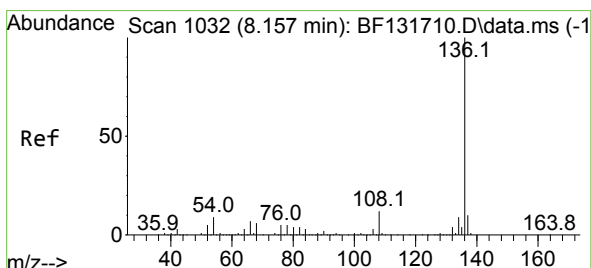
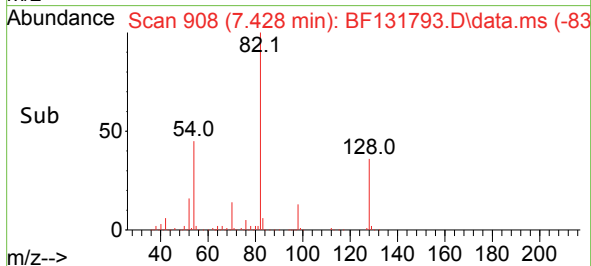
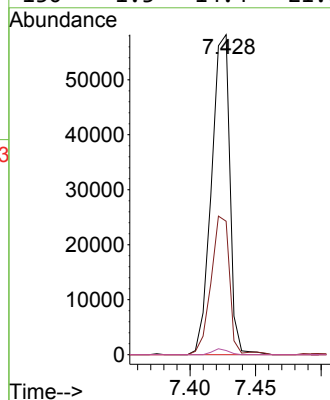
Ion Ratio Lower Upper

70 100

42 41.7 41.5 62.3

101 0.0 7.3 10.9#

130 1.3 14.4 21.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1030

Delta R.T. -0.000 min

Lab File: BF131793.D

Acq: 23 Dec 2022 00:03

Tgt Ion: 136 Resp: 209091

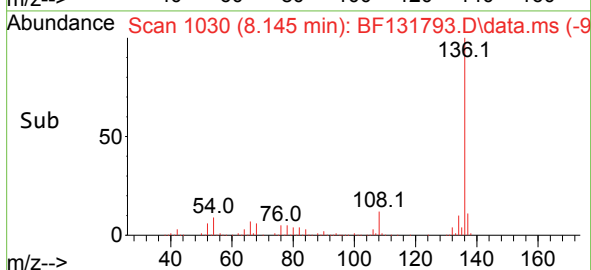
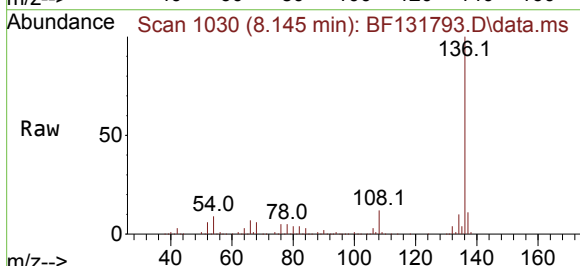
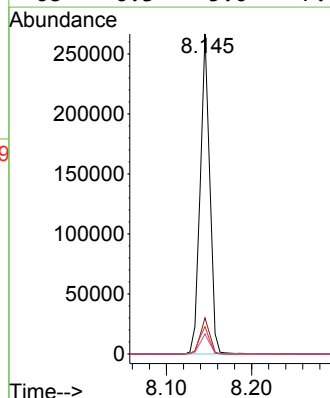
Ion Ratio Lower Upper

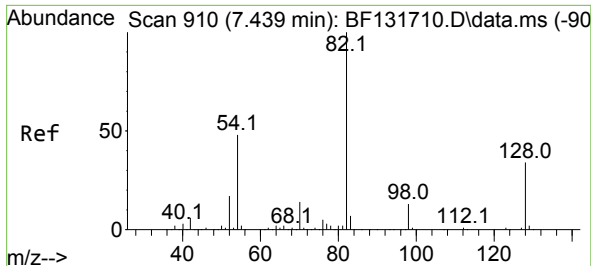
136 100

137 11.2 8.4 12.6

54 8.6 7.2 10.8

68 6.3 5.0 7.6

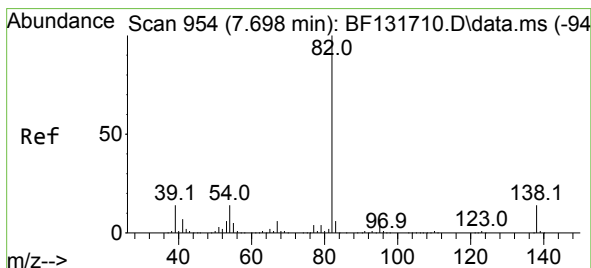
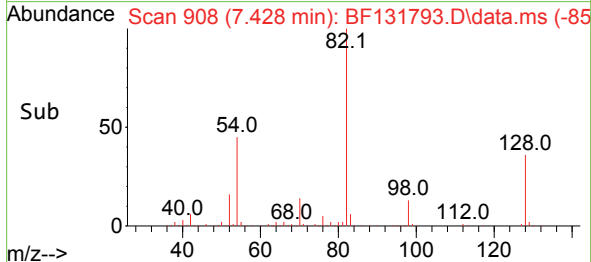
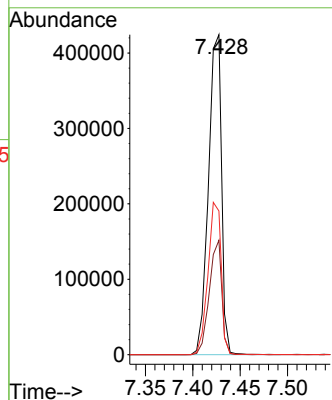
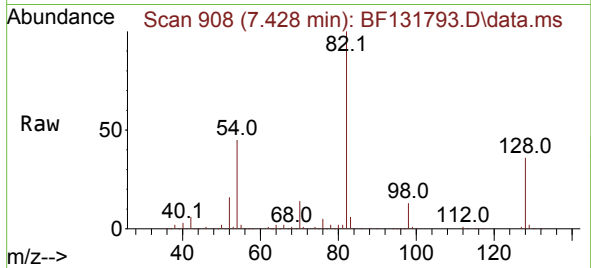




#23
Nitrobenzene-d5
Concen: 78.916 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.000 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

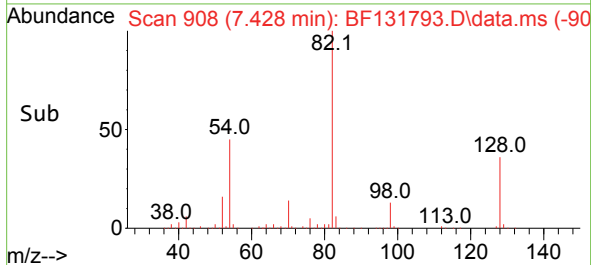
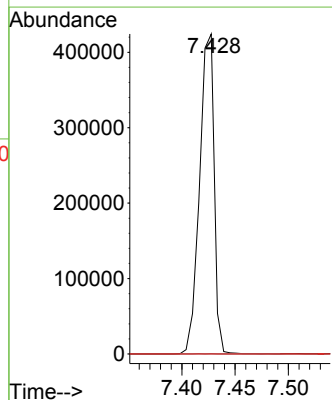
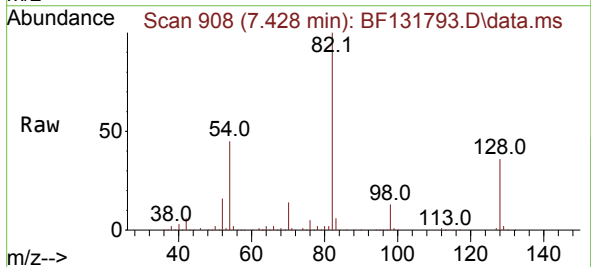
Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)

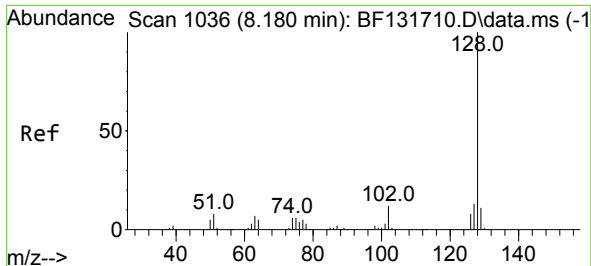
Tgt Ion: 82 Resp: 406455
Ion Ratio Lower Upper
82 100
128 35.7 27.3 40.9
54 44.9 38.2 57.2



#25
Isophorone
Concen: 46.296 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.259 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

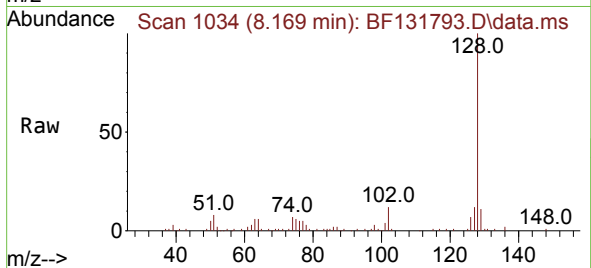
Tgt Ion: 82 Resp: 404943
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.6 17.4#



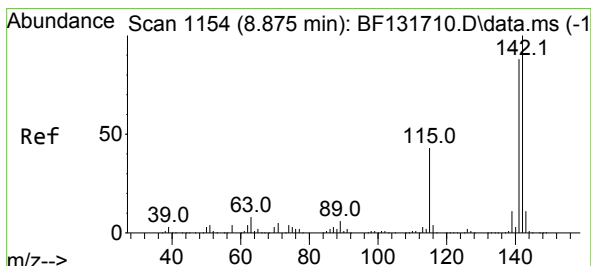
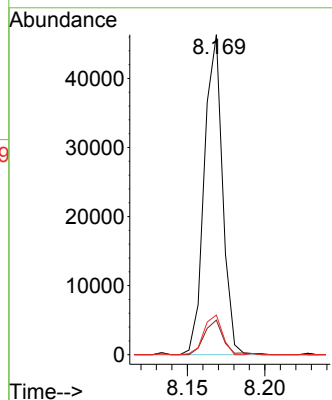
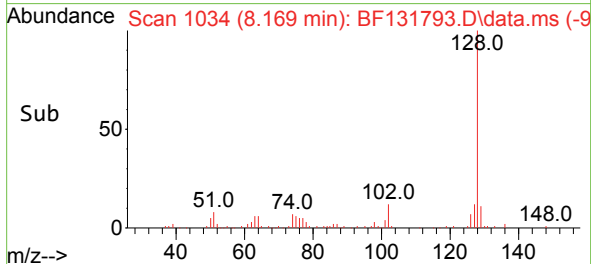


#31
Naphthalene
Concen: 3.317 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.000 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)

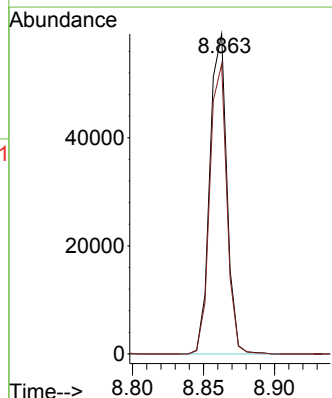
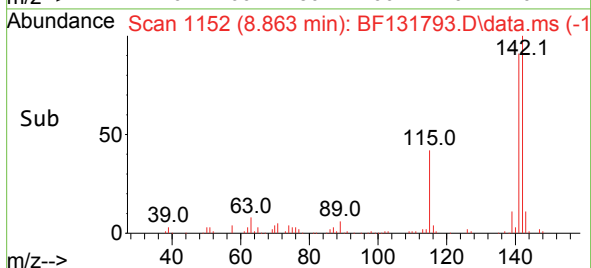
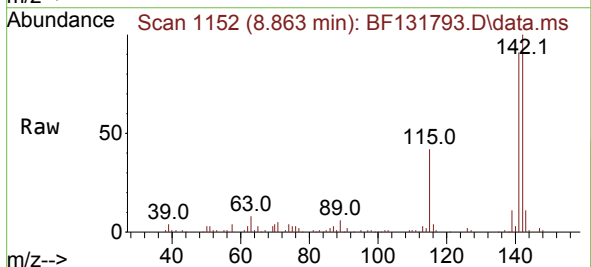


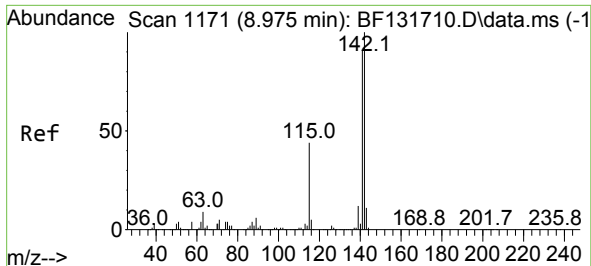
Tgt Ion:128 Resp: 37880
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 12.4 10.6 15.8



#37
2-Methylnaphthalene
Concen: 6.340 ng
RT: 8.863 min Scan# 1152
Delta R.T. -0.000 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

Tgt Ion:142 Resp: 49382
Ion Ratio Lower Upper
142 100
141 90.6 70.4 105.6





#38

1-Methylnaphthalene

Concen: 5.274 ng

RT: 8.963 min Scan# 1169

Delta R.T. -0.000 min

Lab File: BF131793.D

Acq: 23 Dec 2022 00:03

Instrument :

BNA_F

ClientSampleId :

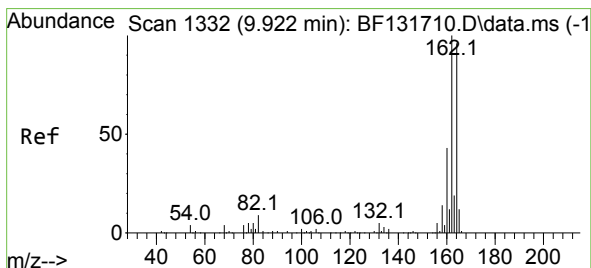
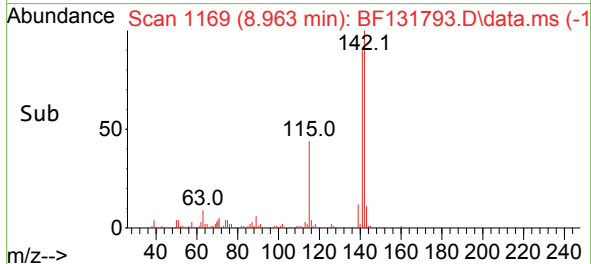
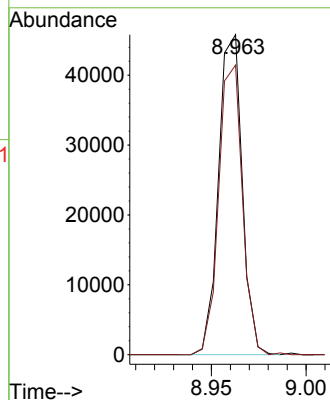
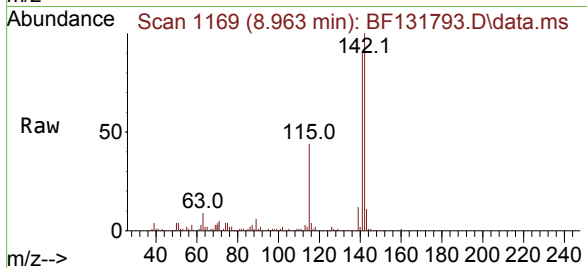
RB-34-(1.5-2)

Tgt Ion:142 Resp: 39788

Ion Ratio Lower Upper

142 100

141 90.5 73.0 109.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1330

Delta R.T. -0.000 min

Lab File: BF131793.D

Acq: 23 Dec 2022 00:03

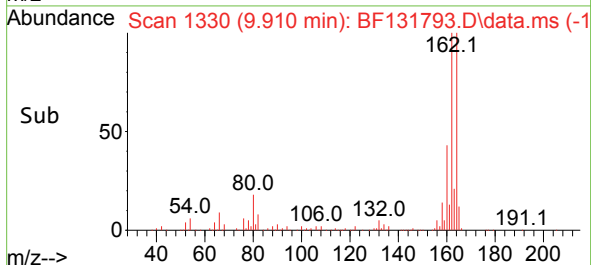
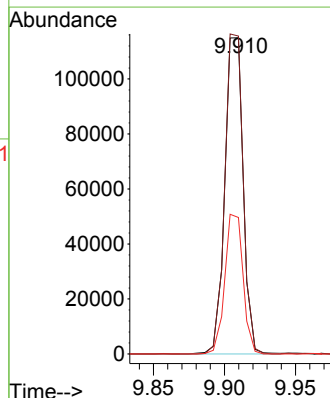
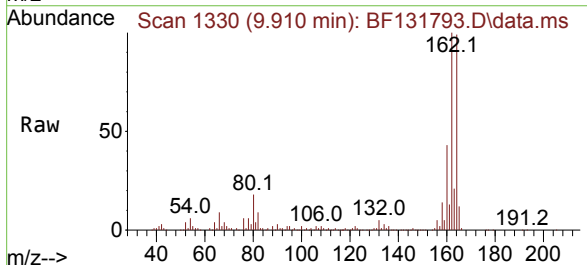
Tgt Ion:164 Resp: 103395

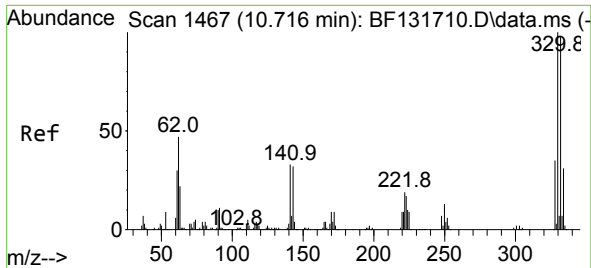
Ion Ratio Lower Upper

164 100

162 100.6 83.7 125.5

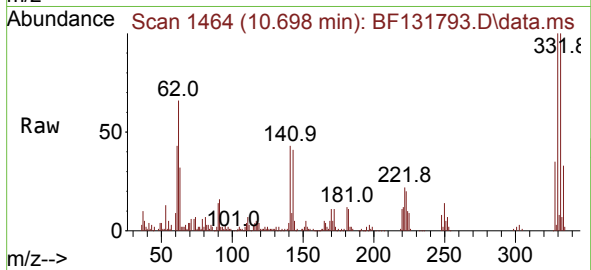
160 43.2 36.2 54.4



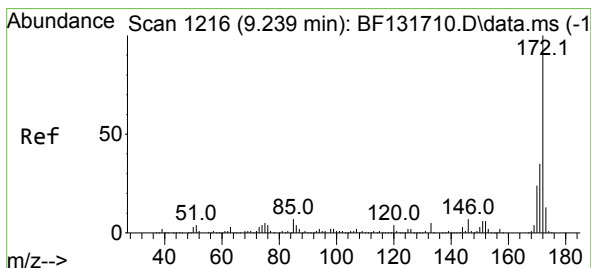
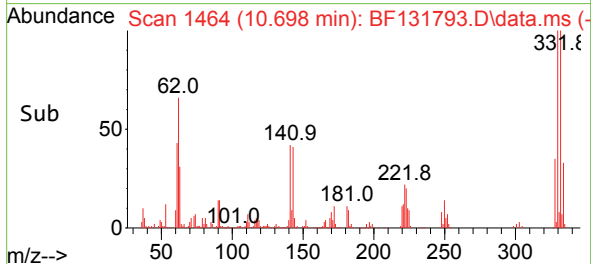
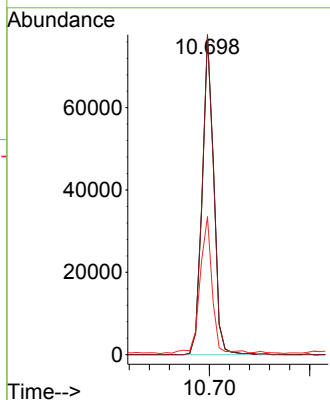


#42
2,4,6-Tribromophenol
Concen: 55.102 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

Instrument :
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ClientSampleId :
RB-34-(1.5-2)

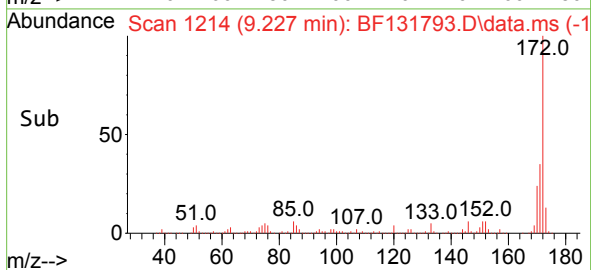
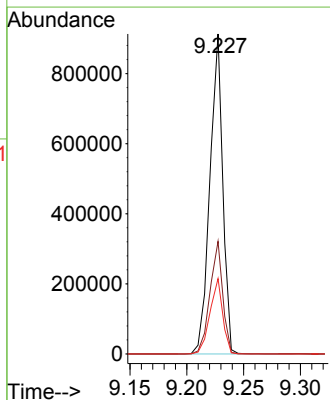
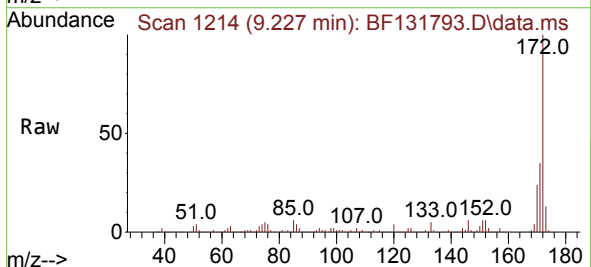


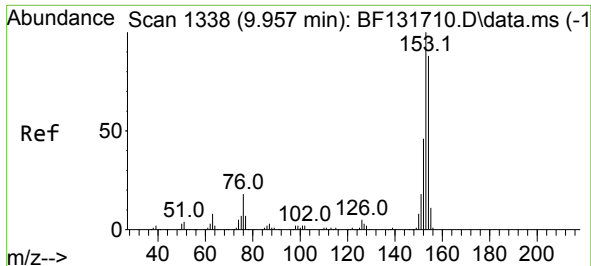
Tgt Ion:330 Resp: 62359
Ion Ratio Lower Upper
330 100
332 99.3 77.1 115.7
141 44.4 30.4 45.6



#45
2-Fluorobiphenyl
Concen: 97.304 ng
RT: 9.227 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

Tgt Ion:172 Resp: 718201
Ion Ratio Lower Upper
172 100
171 35.2 27.9 41.9
170 23.5 19.0 28.4

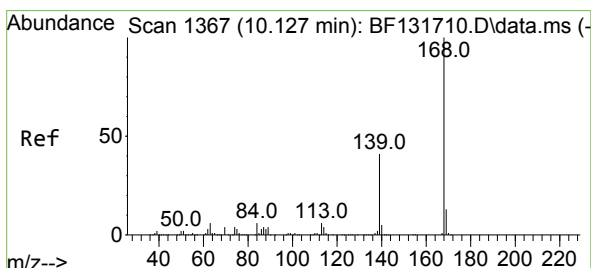
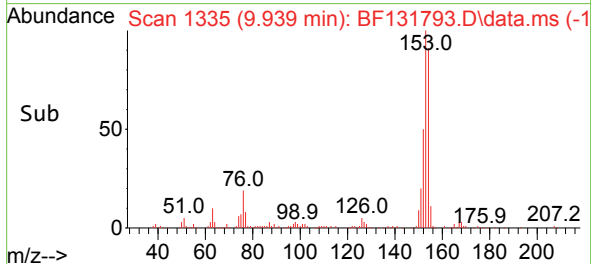
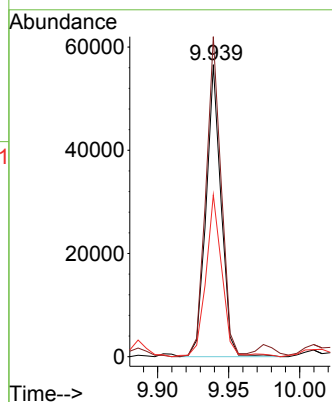
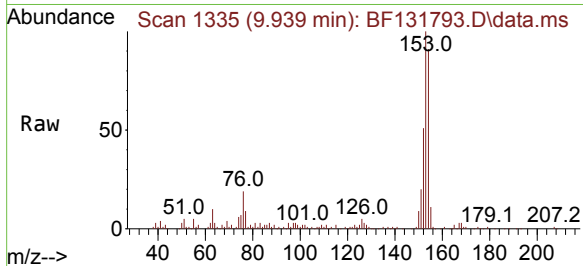




#52
Acenaphthene
Concen: 7.143 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

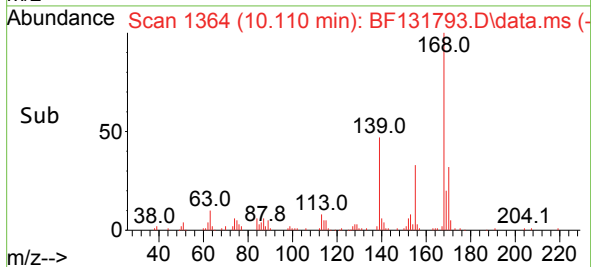
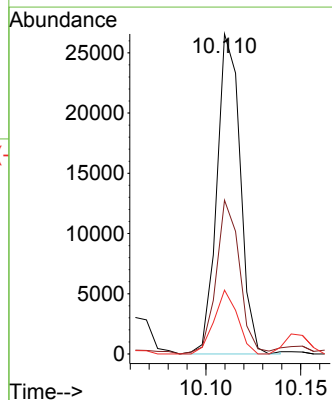
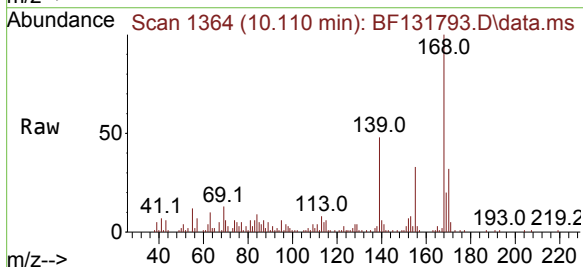
Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)

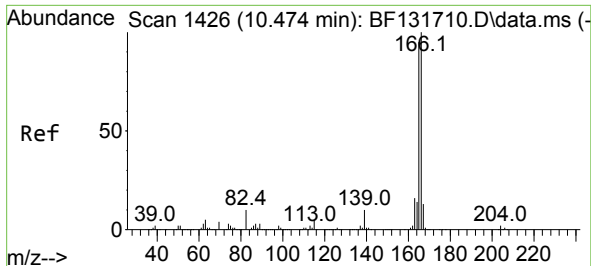
Tgt Ion:154 Resp: 41795
Ion Ratio Lower Upper
154 100
153 109.6 90.4 135.6
152 55.4 42.0 63.0



#55
Dibenzofuran
Concen: 2.552 ng
RT: 10.110 min Scan# 1364
Delta R.T. -0.006 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

Tgt Ion:168 Resp: 22896
Ion Ratio Lower Upper
168 100
139 48.1 32.7 49.1
169 20.0 10.6 16.0#

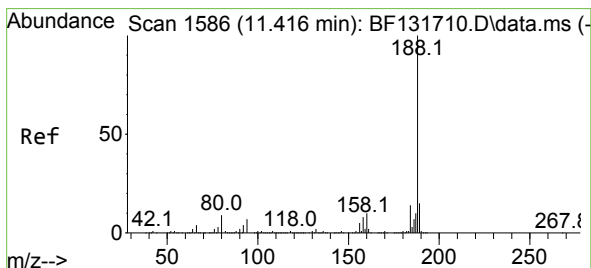
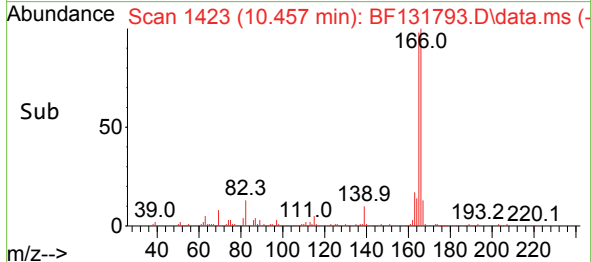
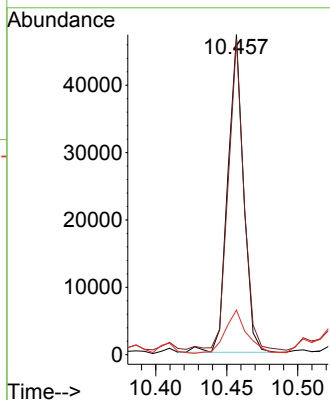
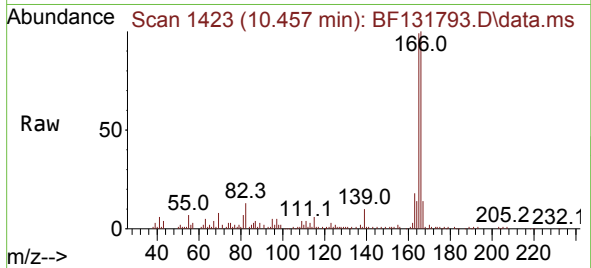




#58
Fluorene
Concen: 5.020 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

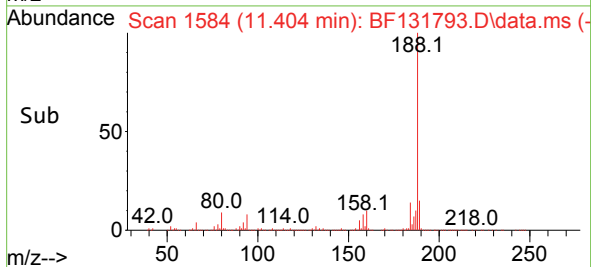
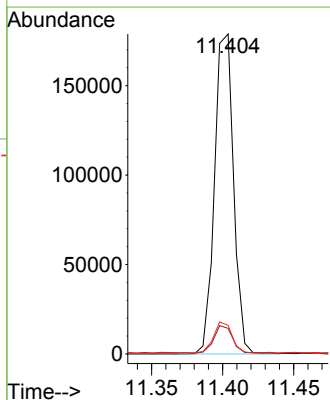
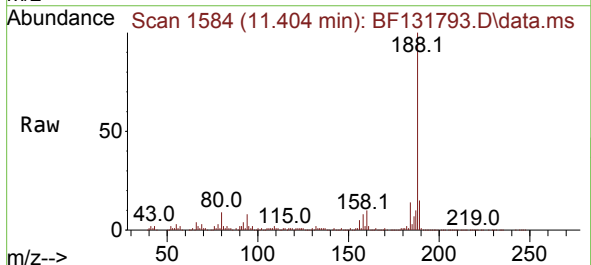
Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)

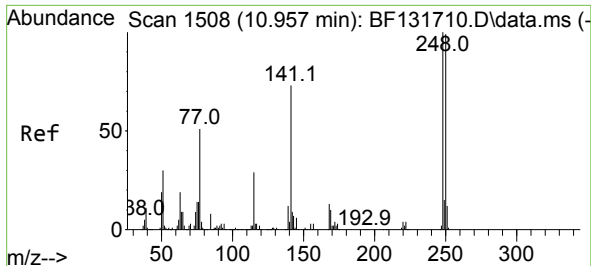
Tgt Ion:166 Resp: 36417
Ion Ratio Lower Upper
166 100
165 98.7 75.8 113.8
167 13.9 10.6 15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.006 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

Tgt Ion:188 Resp: 166395
Ion Ratio Lower Upper
188 100
94 8.0 5.9 8.9
80 9.0 7.0 10.6

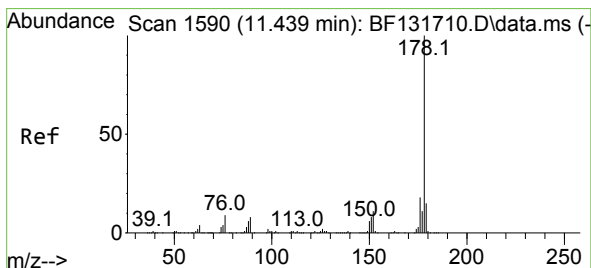
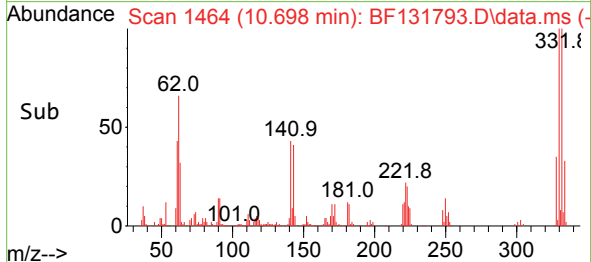
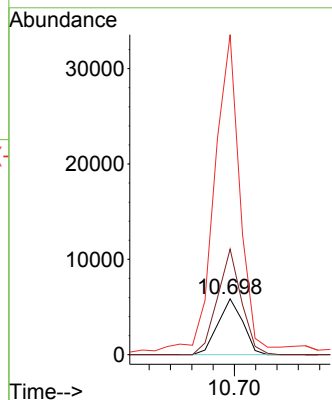
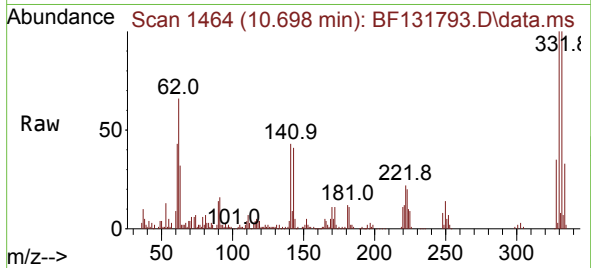




#67
4-Bromophenyl-phenylether
Concen: 2.419 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

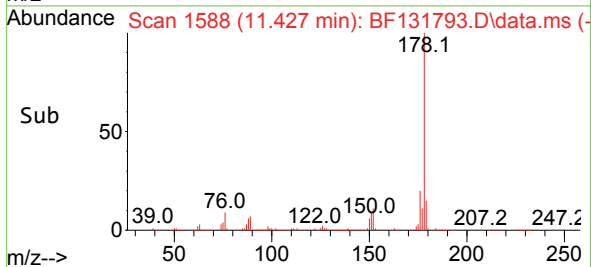
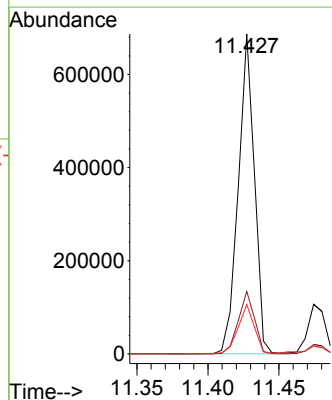
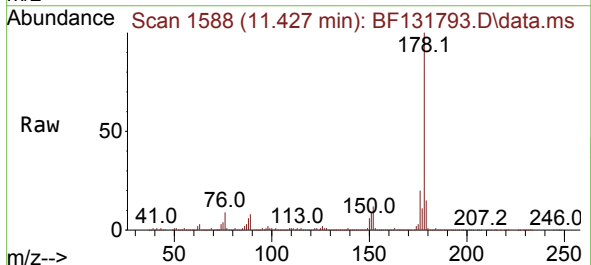
Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)

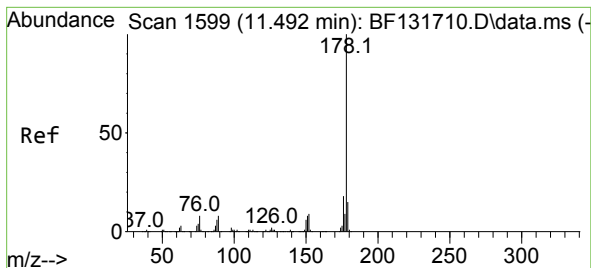
Tgt Ion:248 Resp: 4753
Ion Ratio Lower Upper
248 100
250 188.8 79.4 119.0#
141 572.3 58.1 87.1#



#71
Phenanthrene
Concen: 60.033 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.000 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

Tgt Ion:178 Resp: 544699
Ion Ratio Lower Upper
178 100
176 19.5 14.8 22.2
179 15.5 12.2 18.4





#72

Anthracene

Concen: 9.884 ng

RT: 11.474 min Scan# 1596

Delta R.T. -0.006 min

Lab File: BF131793.D

Acq: 23 Dec 2022 00:03

Instrument :

BNA_F

ClientSampleId :

RB-34-(1.5-2)

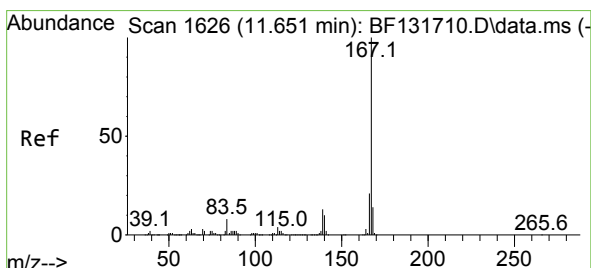
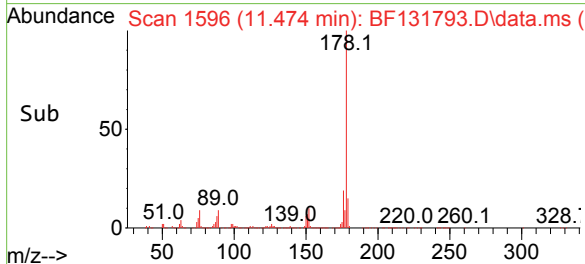
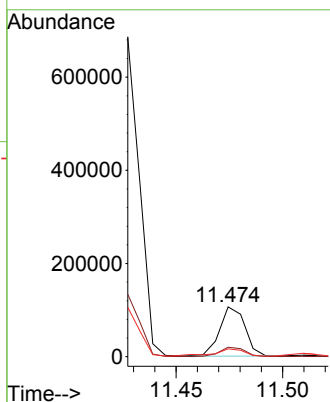
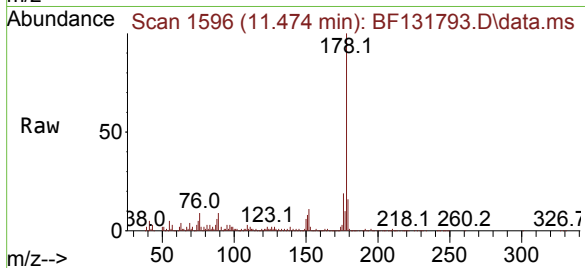
Tgt Ion:178 Resp: 87812

Ion Ratio Lower Upper

178 100

176 18.9 14.6 21.8

179 15.6 12.2 18.4



#73

Carbazole

Concen: 2.515 ng

RT: 11.633 min Scan# 1623

Delta R.T. -0.000 min

Lab File: BF131793.D

Acq: 23 Dec 2022 00:03

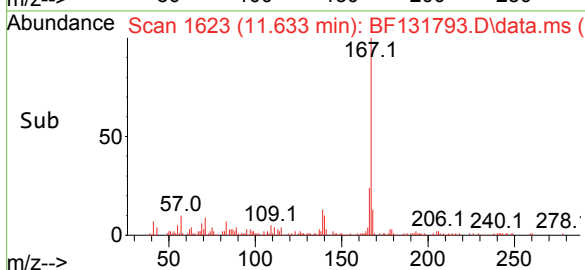
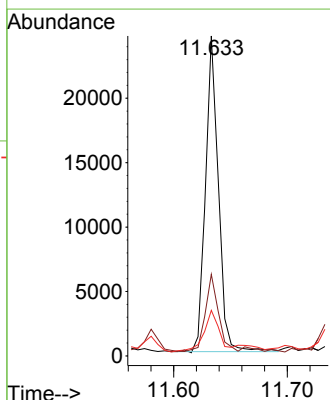
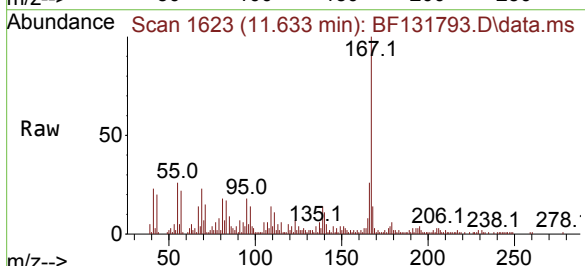
Tgt Ion:167 Resp: 19330

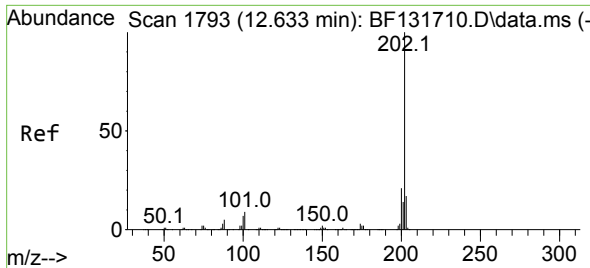
Ion Ratio Lower Upper

167 100

166 25.5 17.1 25.7

139 14.2 10.5 15.7

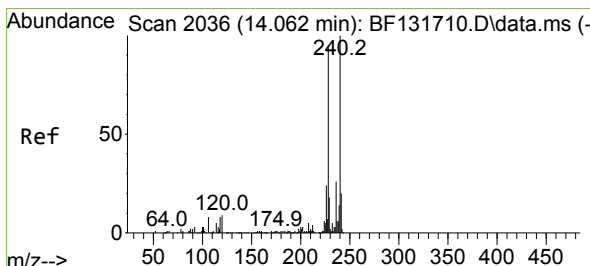
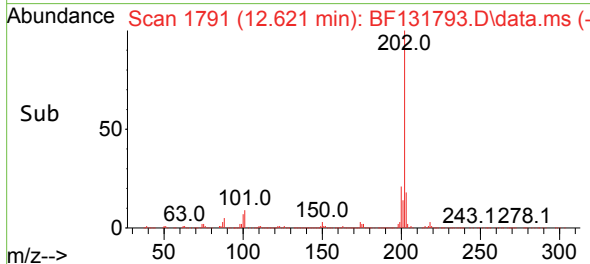
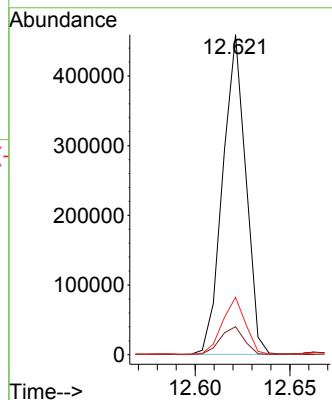
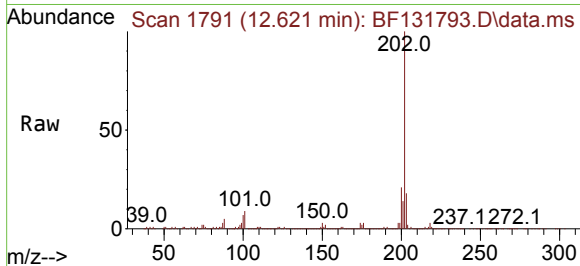




#75
Fluoranthene
Concen: 38.404 ng
RT: 12.621 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

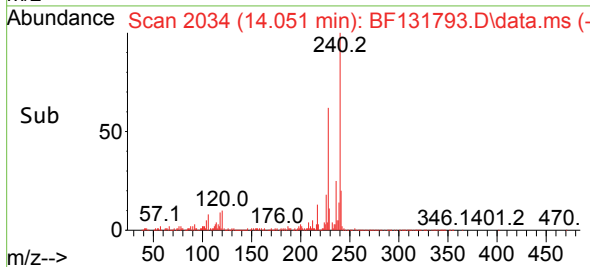
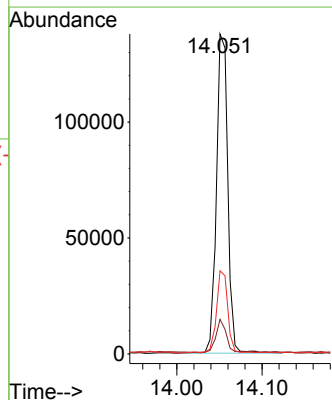
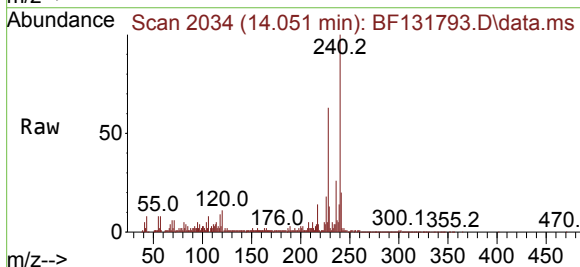
Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)

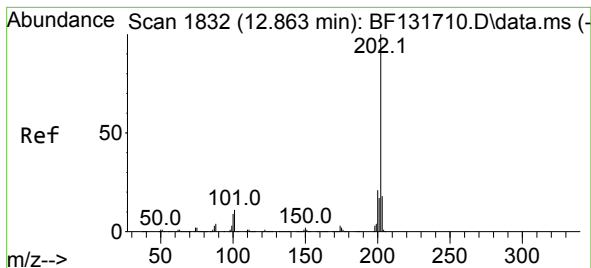
Tgt Ion:202 Resp: 388068
Ion Ratio Lower Upper
202 100
101 8.8 0.0 28.8
203 18.0 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

Tgt Ion:240 Resp: 127024
Ion Ratio Lower Upper
240 100
120 10.8 7.6 11.4
236 26.0 21.2 31.8





#78

Pyrene

Concen: 39.165 ng

RT: 12.851 min Scan# 1830

Delta R.T. -0.000 min

Lab File: BF131793.D

Acq: 23 Dec 2022 00:03

Instrument :

BNA_F

ClientSampleId :

RB-34-(1.5-2)

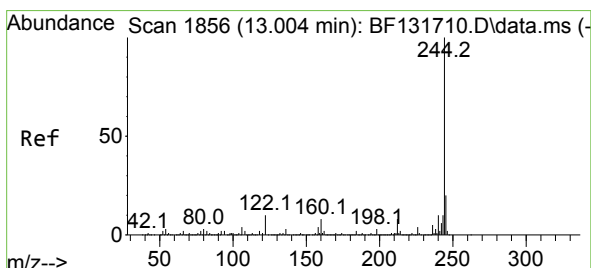
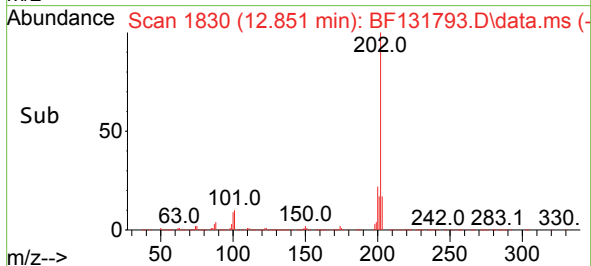
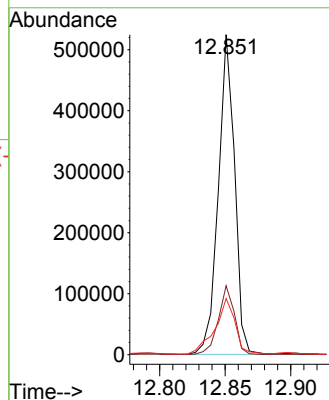
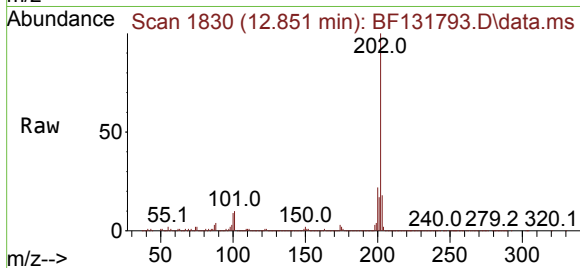
Tgt Ion:202 Resp: 452307

Ion Ratio Lower Upper

202 100

200 21.5 17.1 25.7

203 17.5 14.1 21.1



#79

Terphenyl-d14

Concen: 94.725 ng

RT: 12.998 min Scan# 1855

Delta R.T. 0.006 min

Lab File: BF131793.D

Acq: 23 Dec 2022 00:03

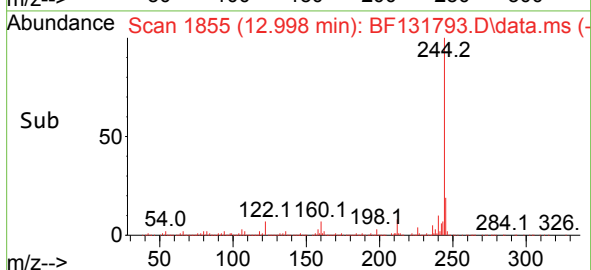
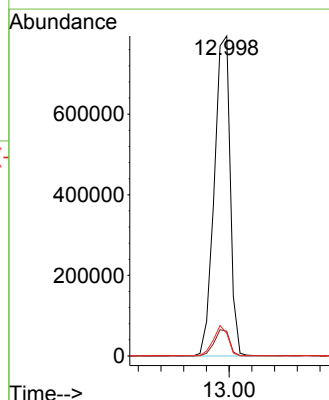
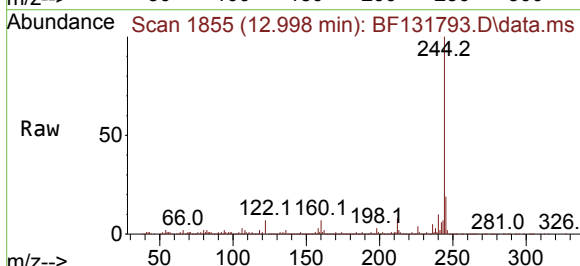
Tgt Ion:244 Resp: 772038

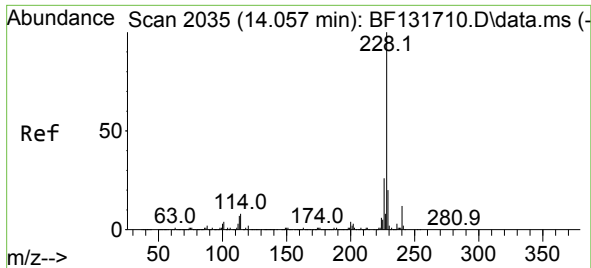
Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

122 7.0 7.7 11.5#

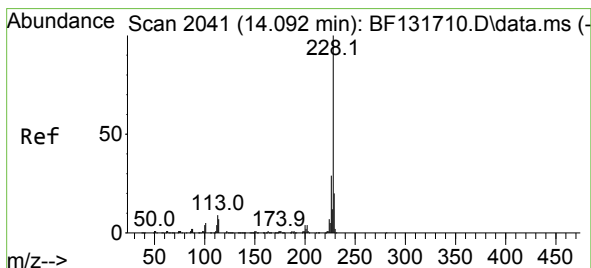
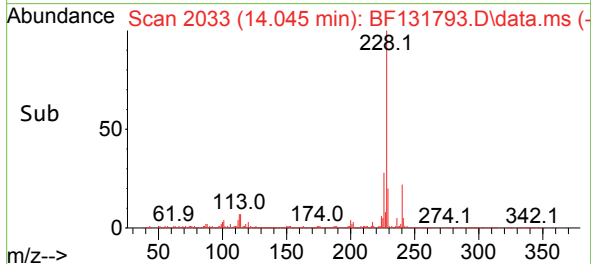
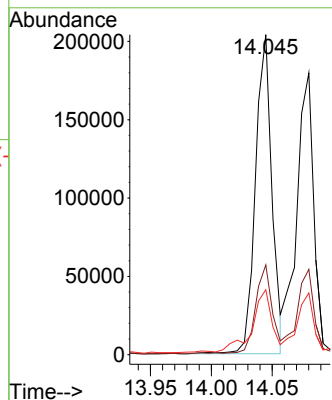
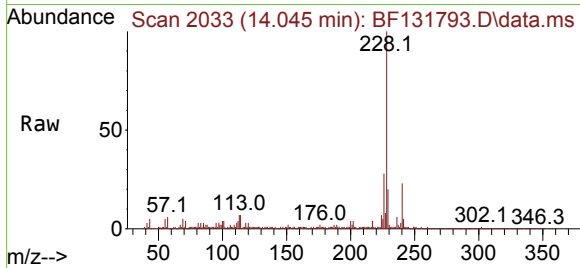




#81
Benzo(a)anthracene
Concen: 20.882 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

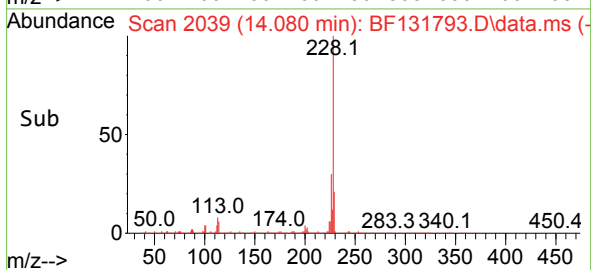
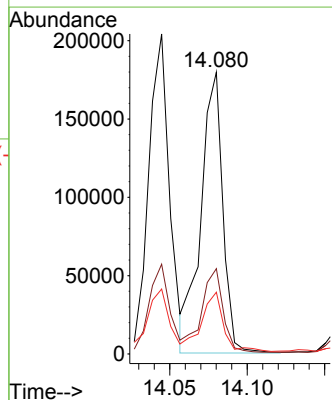
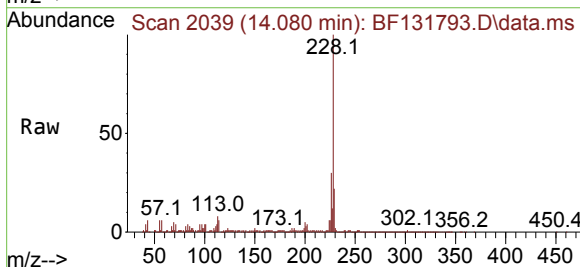
Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)

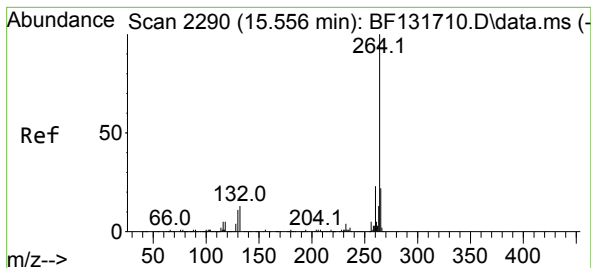
Tgt Ion:228 Resp: 191036
Ion Ratio Lower Upper
228 100
226 28.1 21.0 31.4
229 20.3 15.8 23.8



#83
Chrysene
Concen: 20.461 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.006 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

Tgt Ion:228 Resp: 176669
Ion Ratio Lower Upper
228 100
226 30.3 23.5 35.3
229 21.9 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.011 min

Lab File: BF131793.D

Acq: 23 Dec 2022 00:03

Instrument :

BNA_F

ClientSampleId :

RB-34-(1.5-2)

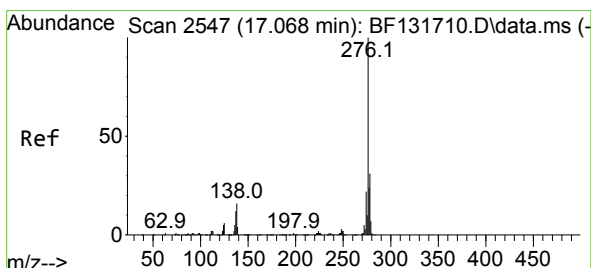
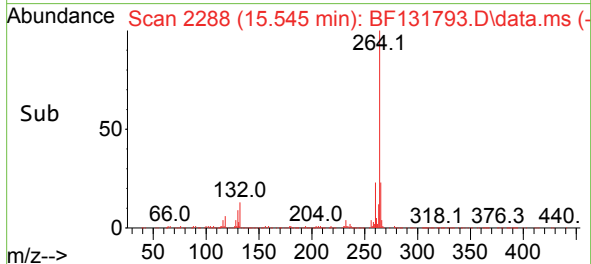
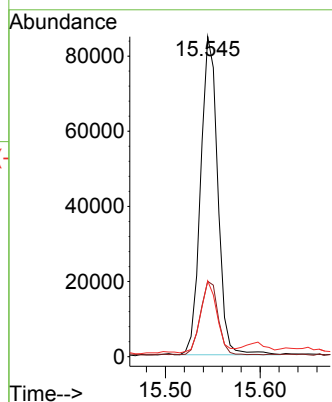
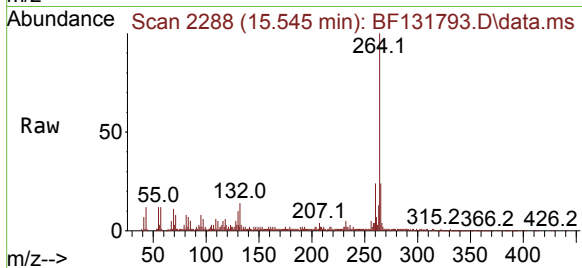
Tgt Ion:264 Resp: 106228

Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 23.7 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.371 ng

RT: 17.050 min Scan# 2544

Delta R.T. 0.011 min

Lab File: BF131793.D

Acq: 23 Dec 2022 00:03

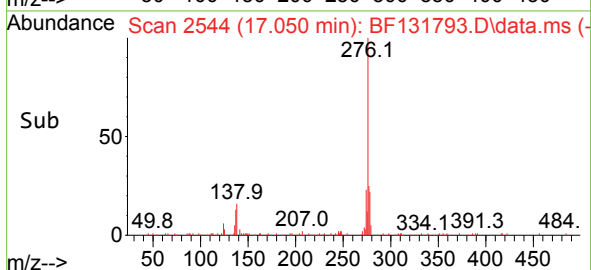
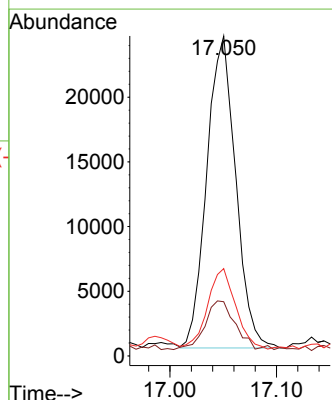
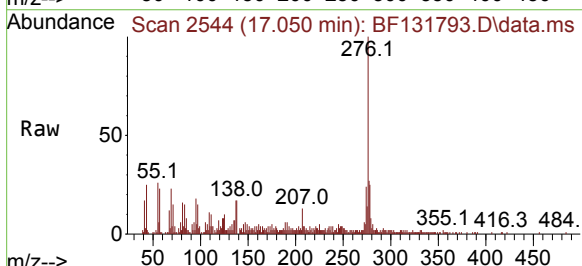
Tgt Ion:276 Resp: 45455

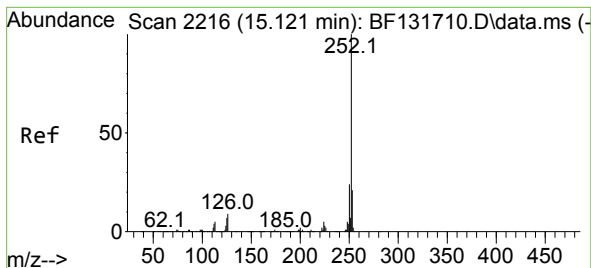
Ion Ratio Lower Upper

276 100

138 16.2 14.4 21.6

277 25.2 19.8 29.8





#88

Benzo(b)fluoranthene

Concen: 25.363 ng

RT: 15.109 min Scan# 2214

Delta R.T. 0.011 min

Lab File: BF131793.D

Acq: 23 Dec 2022 00:03

Instrument :

BNA_F

ClientSampleId :

RB-34-(1.5-2)

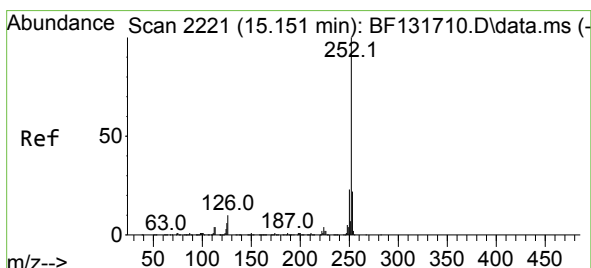
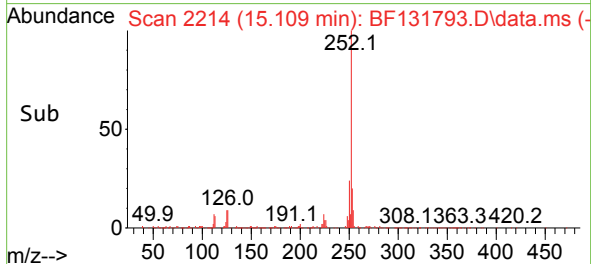
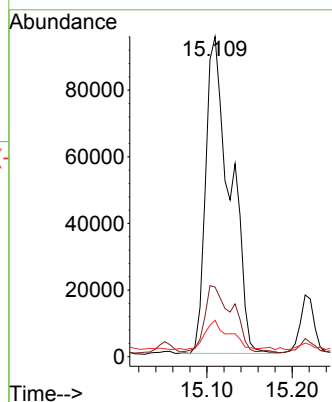
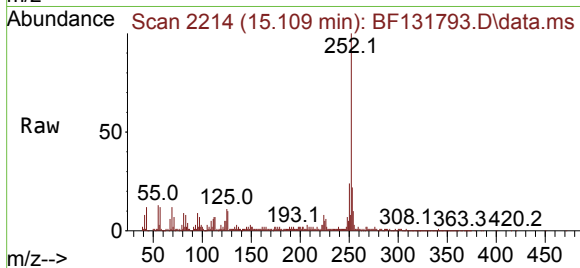
Tgt Ion:252 Resp: 190614

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 11.4 5.5 8.3#



#89

Benzo(k)fluoranthene

Concen: 25.992 ng

RT: 15.109 min Scan# 2214

Delta R.T. -0.018 min

Lab File: BF131793.D

Acq: 23 Dec 2022 00:03

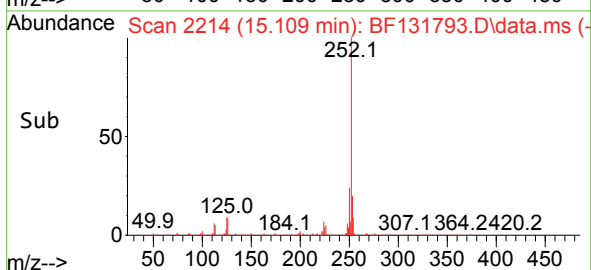
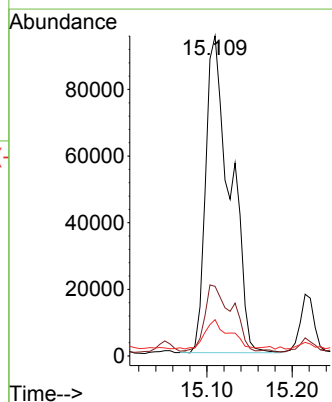
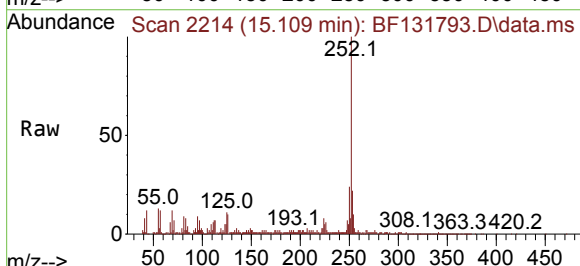
Tgt Ion:252 Resp: 190614

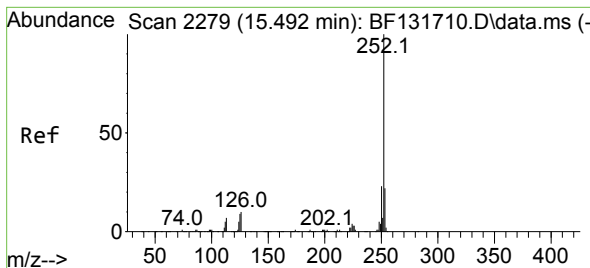
Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.8

125 11.4 5.2 7.8#





#90

Benzo(a)pyrene

Concen: 17.344 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF131793.D

Acq: 23 Dec 2022 00:03

Instrument :

BNA_F

ClientSampleId :

RB-34-(1.5-2)

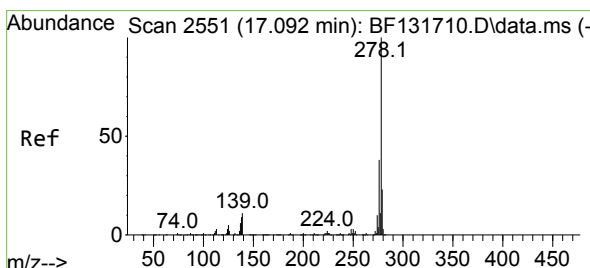
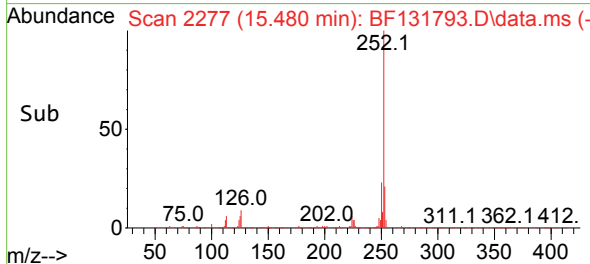
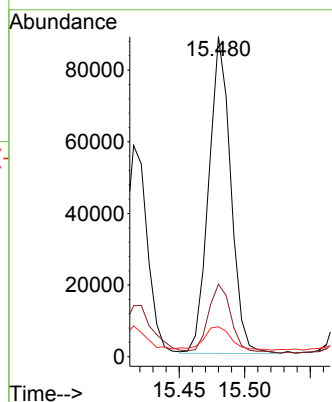
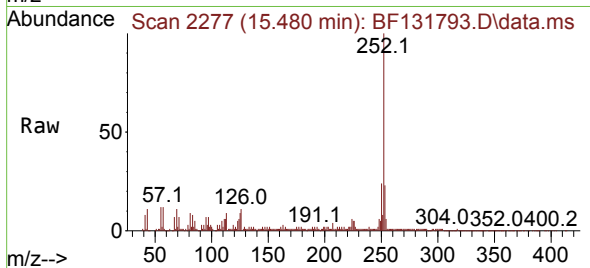
Tgt Ion:252 Resp: 103253

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 9.4 7.0 10.4



#91

Dibenzo(a,h)anthracene

Concen: 2.304 ng

RT: 17.056 min Scan# 2545

Delta R.T. -0.000 min

Lab File: BF131793.D

Acq: 23 Dec 2022 00:03

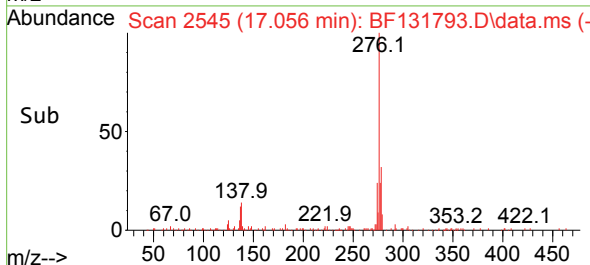
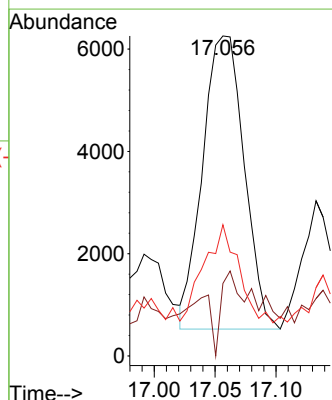
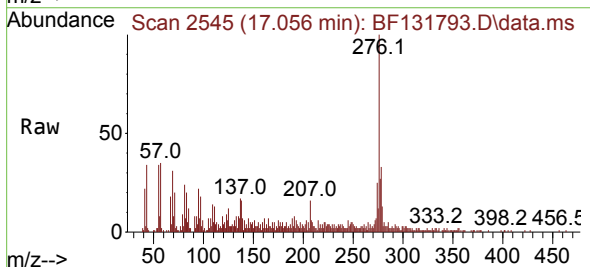
Tgt Ion:278 Resp: 13586

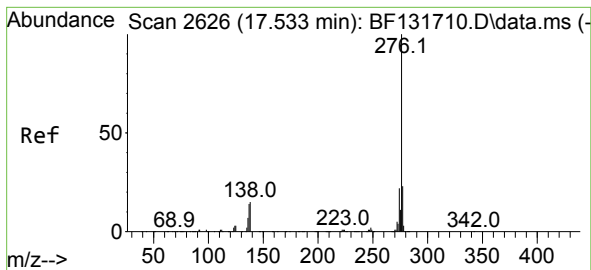
Ion Ratio Lower Upper

278 100

139 22.6 8.7 13.1#

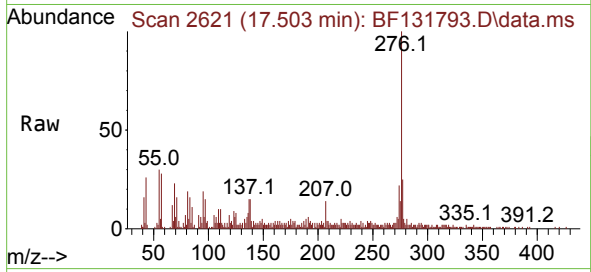
279 41.0 18.7 28.1#





#92
 Benzo(g,h,i)perylene
 Concen: 7.768 ng
 RT: 17.503 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: BF131793.D
 Acq: 23 Dec 2022 00:03

Instrument :
 BNA_F
 ClientSampleId :
 RB-34-(1.5-2)



Tgt Ion:	276	Resp:	45272
Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.3	27.5
138	14.9	12.3	18.5

