

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
 Data File : BF132052.D
 Acq On : 12 Jan 2023 20:55
 Operator : CG\JU
 Sample : 01124-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-C

Quant Time: Jan 13 01:38:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 12 23:59:08 2023
 Response via : Initial Calibration

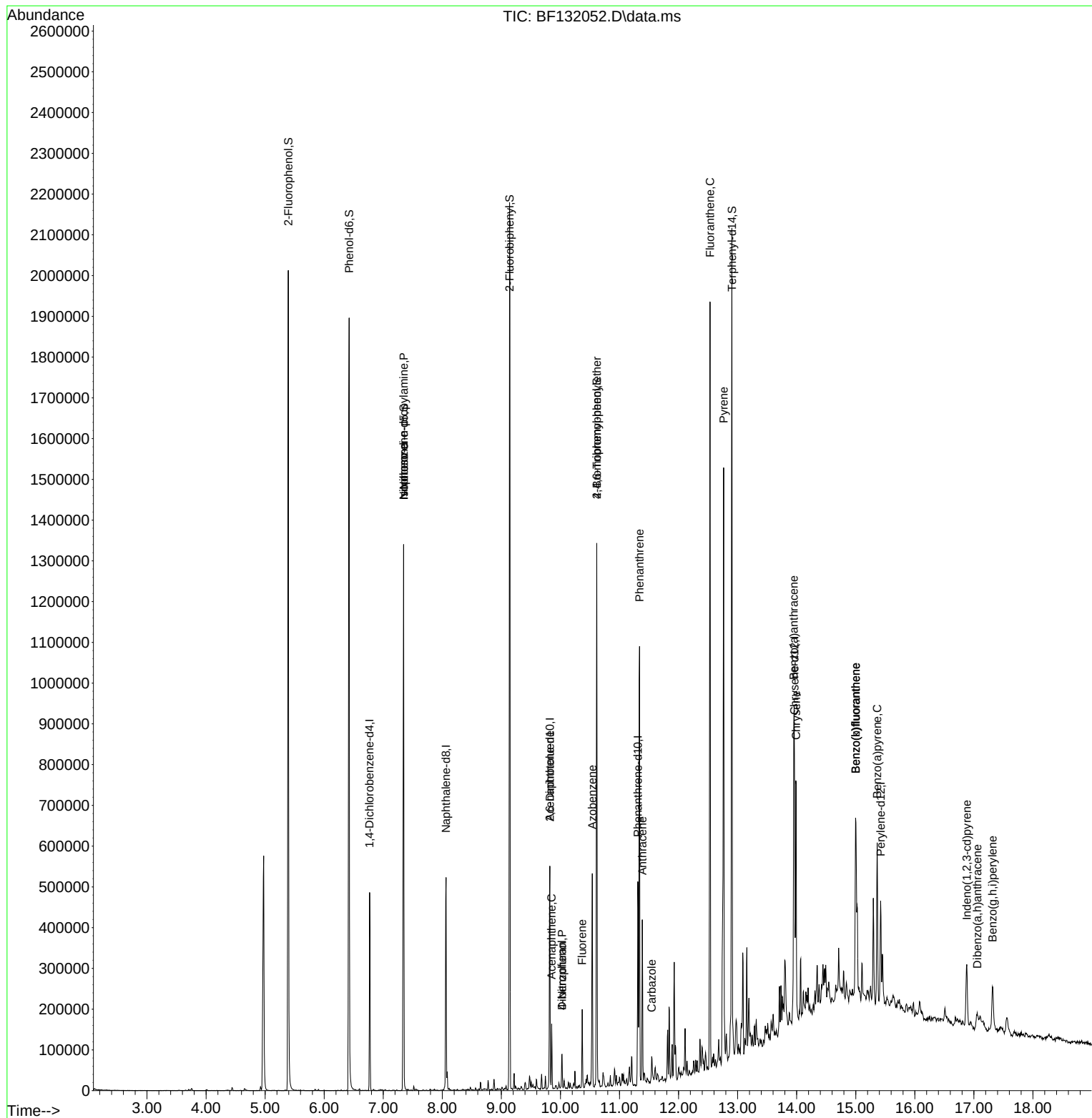
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	62680	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	211174	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	105141	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	183694	20.000	ng	0.00
76) Chrysene-d12	13.963	240	130532	20.000	ng	0.00
86) Perylene-d12	15.421	264	102751	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	486982	128.022	ng	0.01
7) Phenol-d6	6.422	99	614027	121.746	ng	0.00
23) Nitrobenzene-d5	7.345	82	419387	82.425	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	125742	104.014	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	659935	84.733	ng	0.00
79) Terphenyl-d14	12.904	244	636504	69.890	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	60031	16.454	ng	# 79
25) Isophorone	7.345	82	416770	43.846	ng	# 69
51) 2,6-Dinitrotoluene	9.822	165	14446	8.381	ng	# 22
52) Acenaphthene	9.851	154	27842	4.745	ng	98
55) Dibenzofuran	10.028	168	27583	2.983	ng	97
56) 4-Nitrophenol	10.028	139	12040	12.782	ng	# 1
58) Fluorene	10.369	166	42306	5.727	ng	99
63) Azobenzene	10.539	77	94026	10.999	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	8782	3.822	ng	# 1
71) Phenanthrene	11.339	178	381324	39.821	ng	100
72) Anthracene	11.386	178	133304	13.522	ng	99
73) Carbazole	11.545	167	20419	2.502	ng	98
75) Fluoranthene	12.533	202	696249	64.649	ng	100
78) Pyrene	12.763	202	585445	49.175	ng	99
81) Benzo(a)anthracene	13.951	228	283911	29.896	ng	98
83) Chrysene	13.992	228	236494	26.647	ng	98
87) Indeno(1,2,3-cd)pyrene	16.880	276	94943	15.066	ng	98
88) Benzo(b)fluoranthene	14.998	252	345110	48.969	ng	98
89) Benzo(k)fluoranthene	14.998	252	345110	49.067	ng	# 97
90) Benzo(a)pyrene	15.362	252	180204	28.380	ng	# 97
91) Dibenzo(a,h)anthracene	17.056	278	19391	3.671	ng	94
92) Benzo(g,h,i)perylene	17.315	276	89800	18.235	ng	95

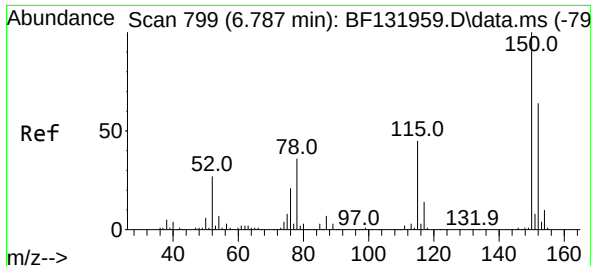
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
Data File : BF132052.D
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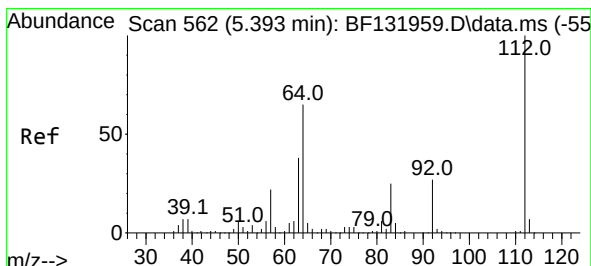
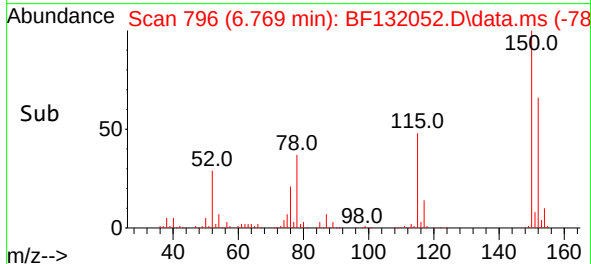
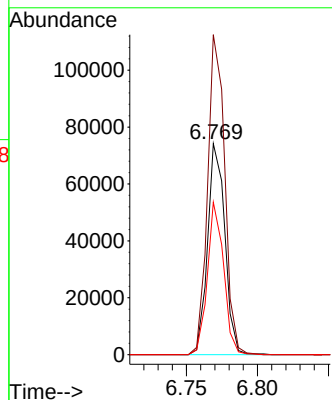
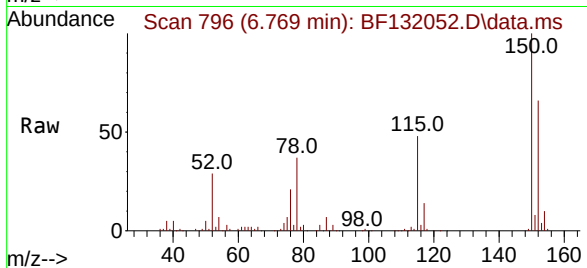




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.769 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: BF132052.D
 Acq: 12 Jan 2023 20:55

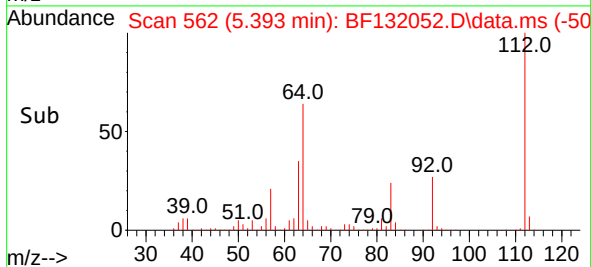
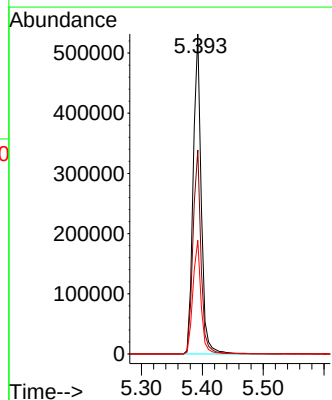
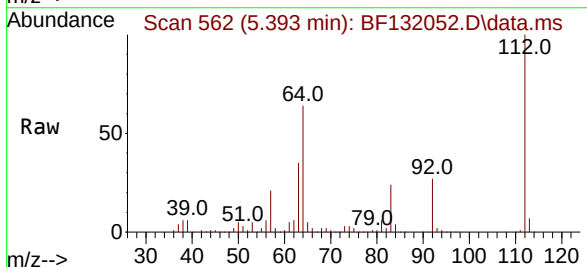
Instrument :
 BNA_F
 ClientSampleId :
 TP-C

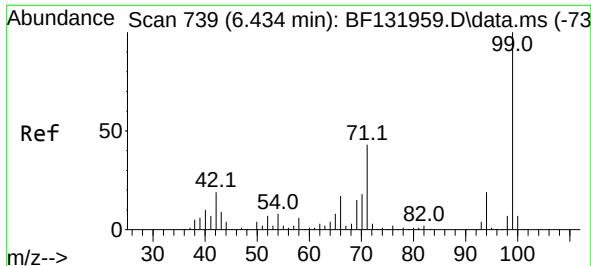
Tgt Ion:152 Resp: 62680
 Ion Ratio Lower Upper
 152 100
 150 151.6 124.6 186.8
 115 72.2 55.6 83.4



#5
 2-Fluorophenol
 Concen: 128.022 ng
 RT: 5.393 min Scan# 562
 Delta R.T. 0.012 min
 Lab File: BF132052.D
 Acq: 12 Jan 2023 20:55

Tgt Ion:112 Resp: 486982
 Ion Ratio Lower Upper
 112 100
 64 63.8 51.9 77.9
 63 35.5 30.2 45.2

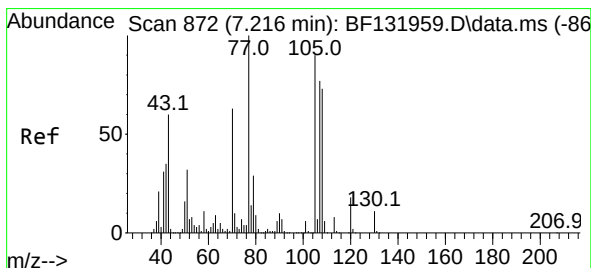
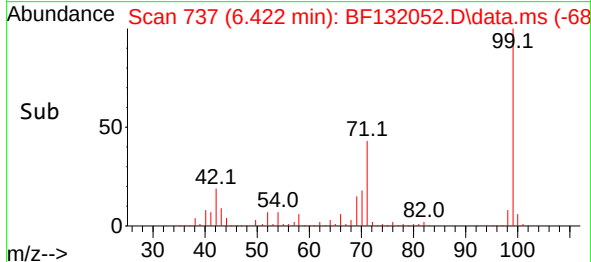
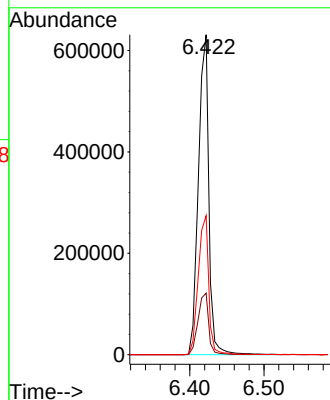
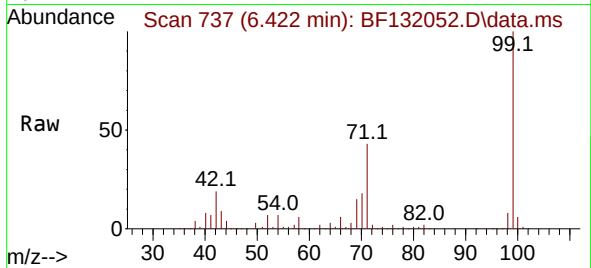




#7
Phenol-d6
Concen: 121.746 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF132052.D
Acq: 12 Jan 2023 20:55

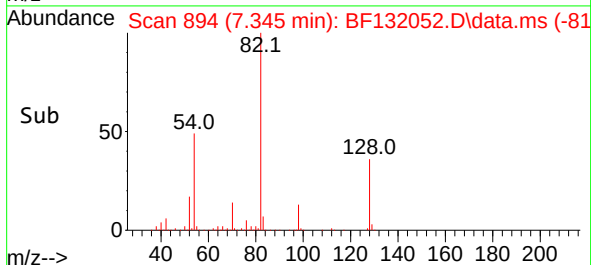
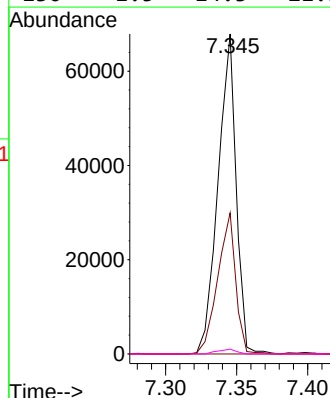
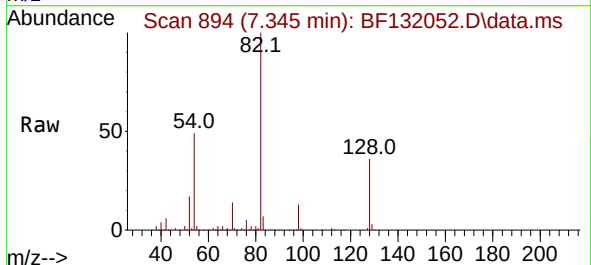
Instrument :
BNA_F
ClientSampleId :
TP-C

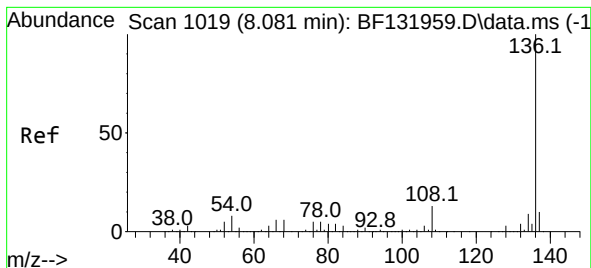
Tgt Ion: 99 Resp: 614027
Ion Ratio Lower Upper
99 100
42 19.3 15.4 23.2
71 43.4 34.6 51.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.454 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.147 min
Lab File: BF132052.D
Acq: 12 Jan 2023 20:55

Tgt Ion: 70 Resp: 60031
Ion Ratio Lower Upper
70 100
42 44.1 44.3 66.5#
101 0.0 7.5 11.3#
130 1.5 14.3 21.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 1016

Delta R.T. -0.000 min

Lab File: BF132052.D

Acq: 12 Jan 2023 20:55

Instrument :

BNA_F

ClientSampleId :

TP-C

Tgt Ion:136 Resp: 211174

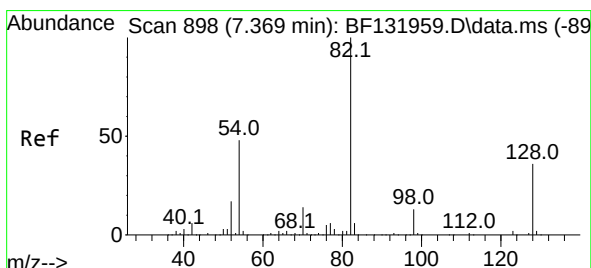
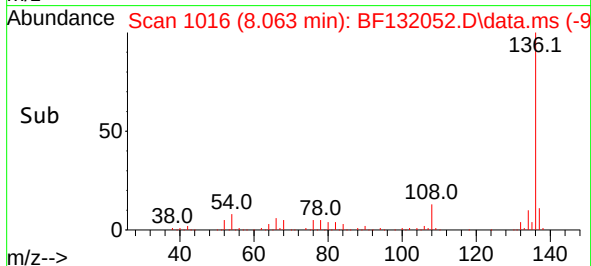
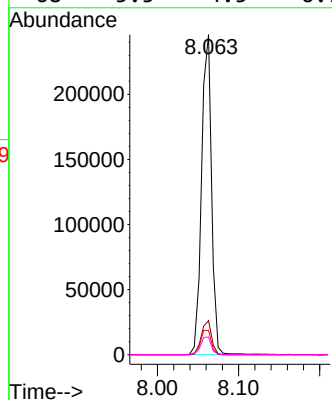
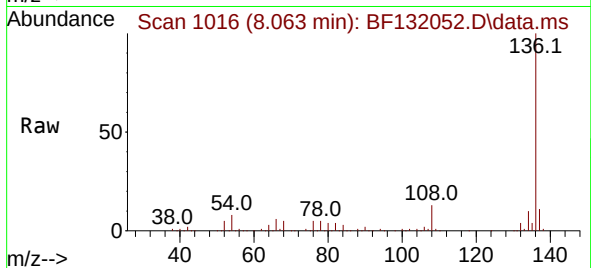
Ion Ratio Lower Upper

136 100

137 10.7 8.2 12.2

54 7.6 6.6 9.8

68 5.5 4.5 6.7



#23

Nitrobenzene-d5

Concen: 82.425 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF132052.D

Acq: 12 Jan 2023 20:55

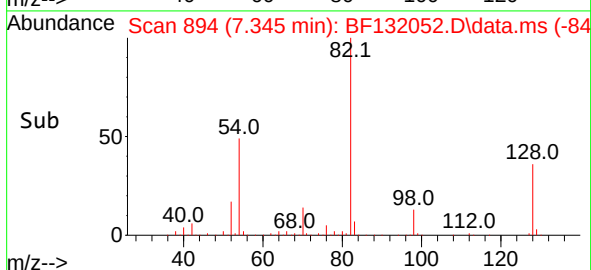
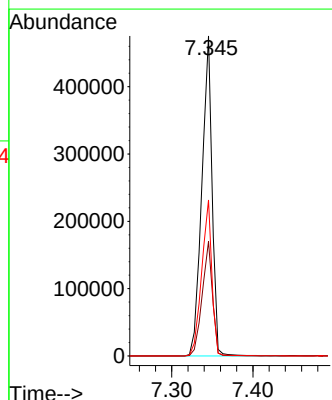
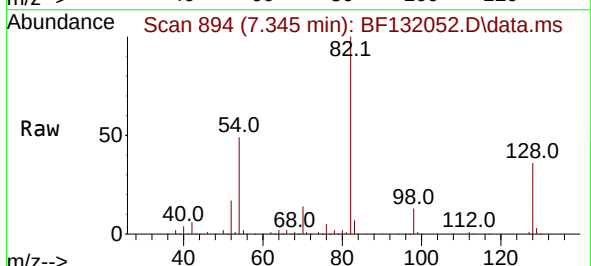
Tgt Ion: 82 Resp: 419387

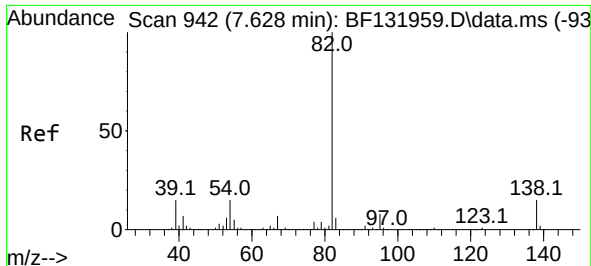
Ion Ratio Lower Upper

82 100

128 35.8 28.7 43.1

54 48.7 38.1 57.1

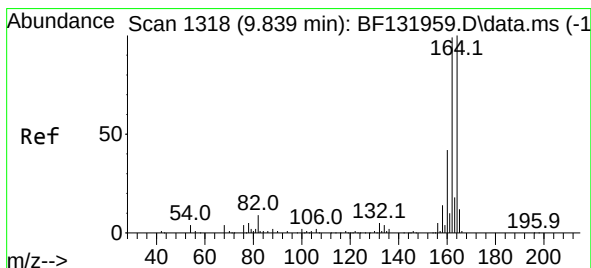
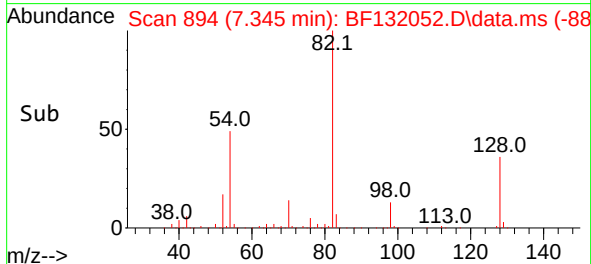
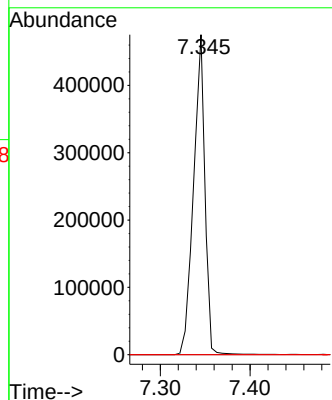
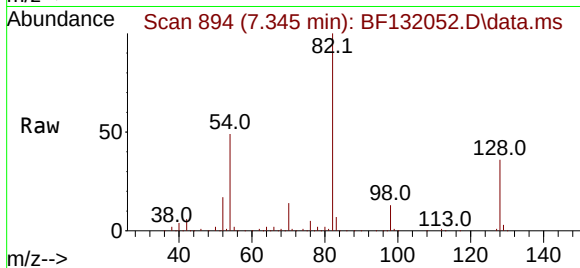




#25
Isophorone
Concen: 43.846 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.265 min
Lab File: BF132052.D
Acq: 12 Jan 2023 20:55

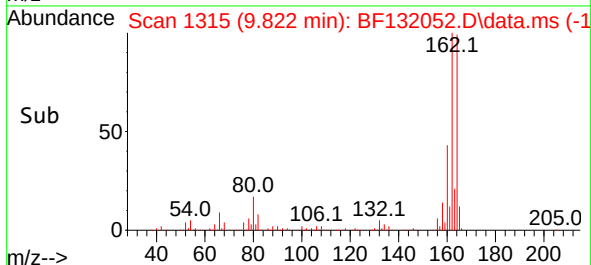
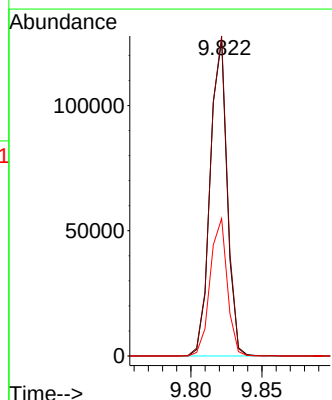
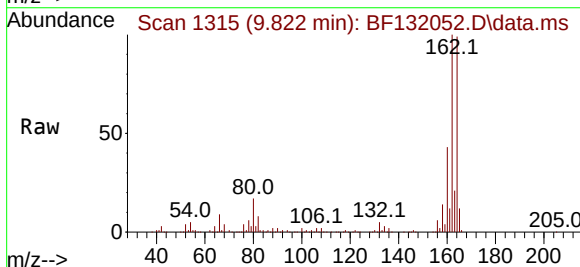
Instrument :
BNA_F
ClientSampleId :
TP-C

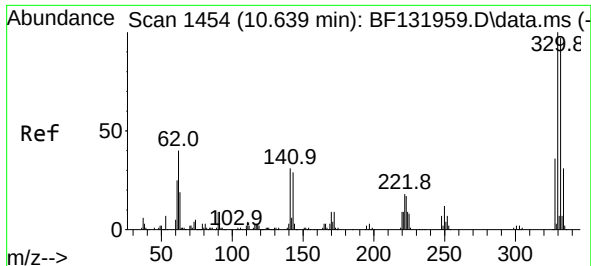
Tgt Ion: 82 Resp: 416770
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 11.9 17.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF132052.D
Acq: 12 Jan 2023 20:55

Tgt Ion:164 Resp: 105141
Ion Ratio Lower Upper
164 100
162 101.2 79.4 119.0
160 43.5 33.9 50.9





#42

2,4,6-Tribromophenol

Concen: 104.014 ng

RT: 10.616 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF132052.D

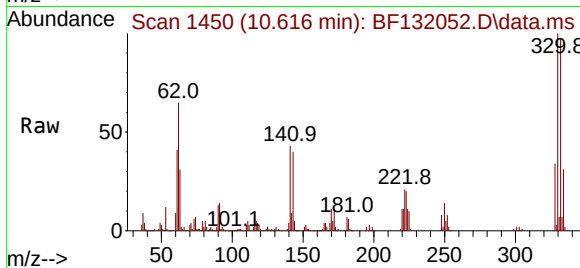
Acq: 12 Jan 2023 20:55

Instrument :

BNA_F

ClientSampleId :

TP-C



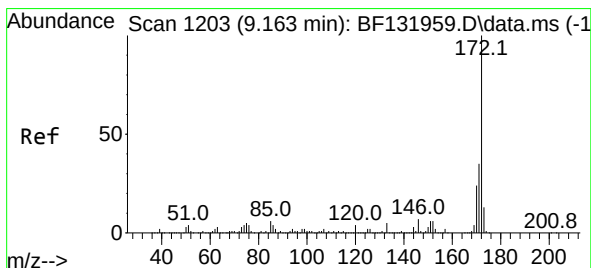
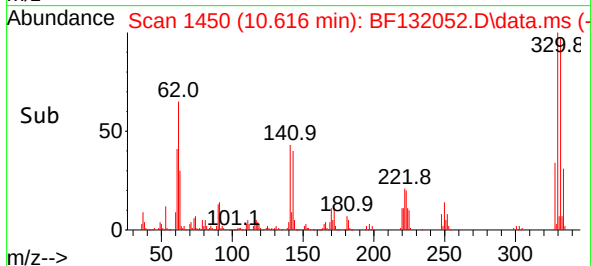
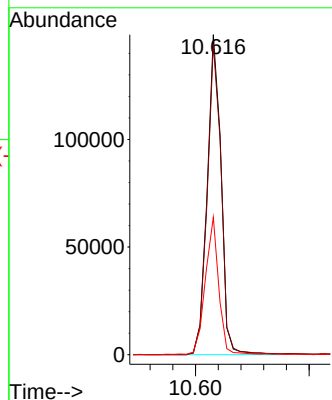
Tgt Ion:330 Resp: 125742

Ion Ratio Lower Upper

330 100

332 98.0 76.9 115.3

141 41.7 31.3 46.9



#45

2-Fluorobiphenyl

Concen: 84.733 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF132052.D

Acq: 12 Jan 2023 20:55

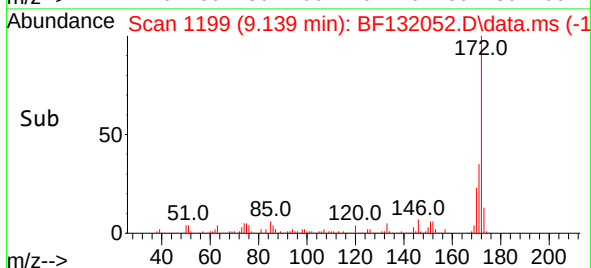
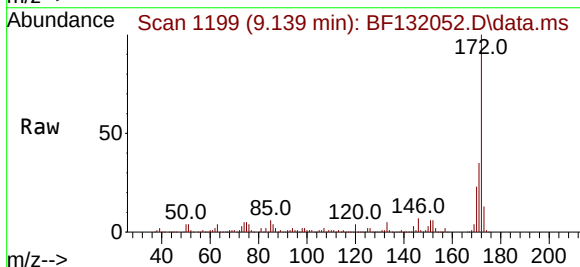
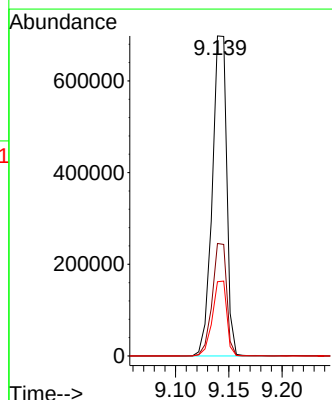
Tgt Ion:172 Resp: 659935

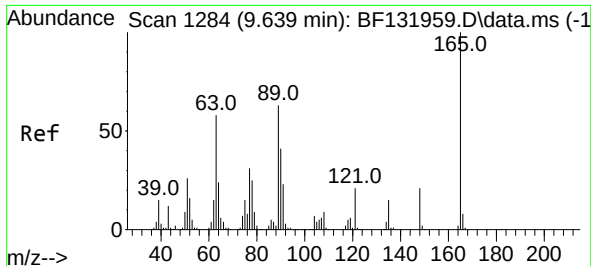
Ion Ratio Lower Upper

172 100

171 35.1 28.0 42.0

170 23.2 18.9 28.3

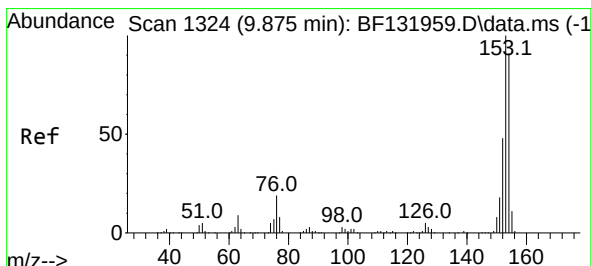
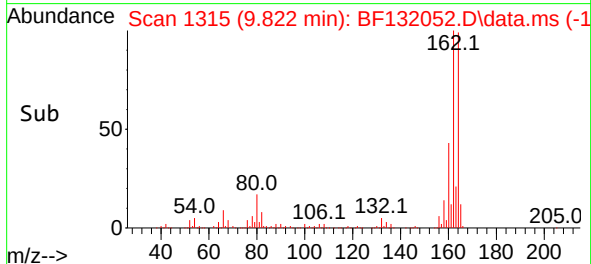
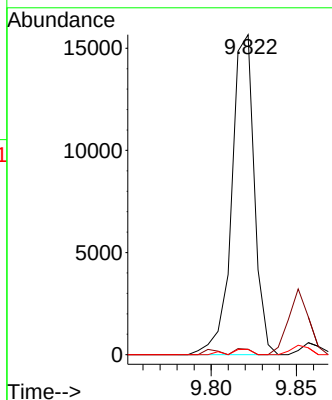
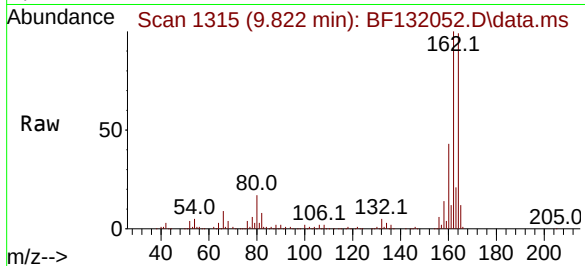




#51
2,6-Dinitrotoluene
Concen: 8.381 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF132052.D
Acq: 12 Jan 2023 20:55

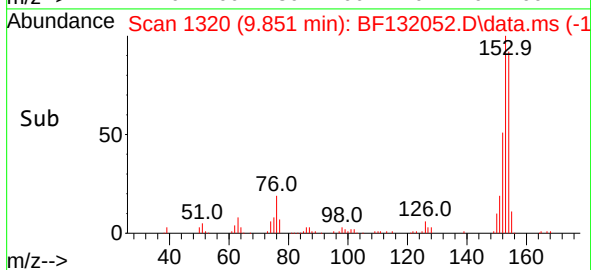
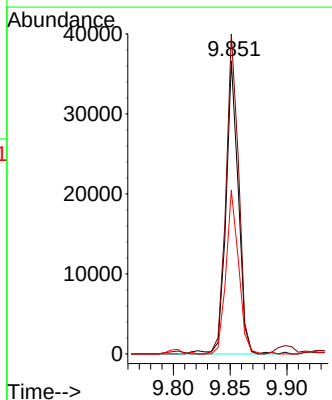
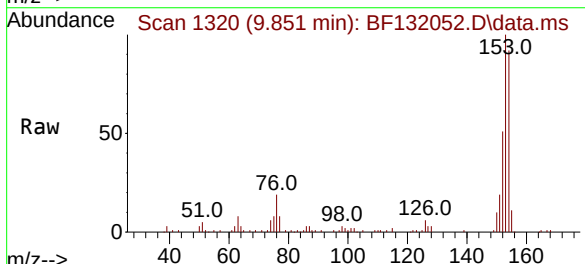
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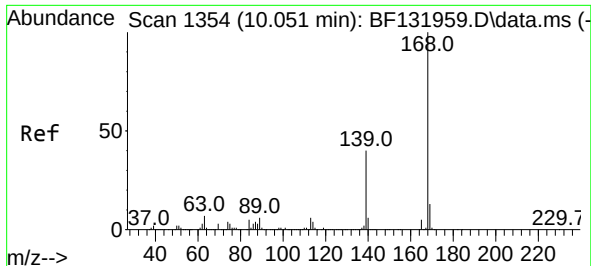
Tgt Ion:165 Resp: 14446
Ion Ratio Lower Upper
165 100
63 1.7 47.4 71.0#
89 1.6 50.2 75.2#



#52
Acenaphthene
Concen: 4.745 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF132052.D
Acq: 12 Jan 2023 20:55

Tgt Ion:154 Resp: 27842
Ion Ratio Lower Upper
154 100
153 109.2 87.7 131.5
152 55.8 42.2 63.2

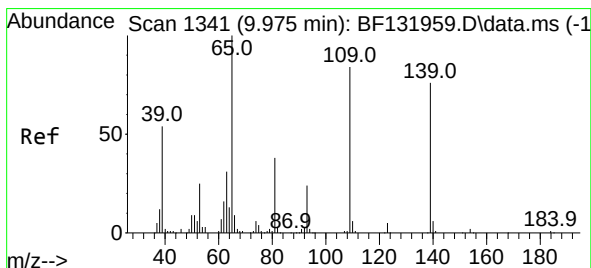
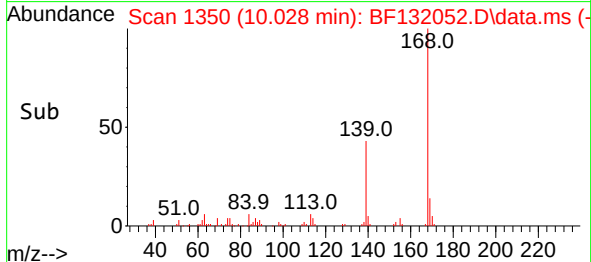
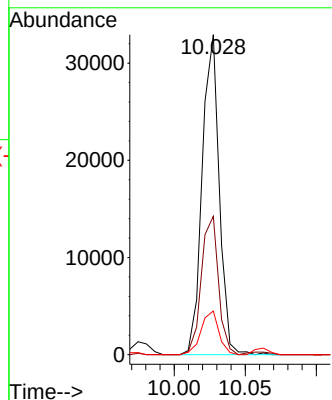
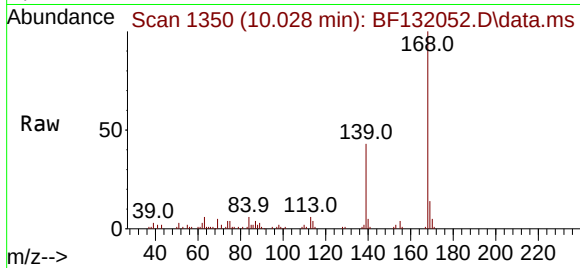




#55
Dibenzenofuran
Concen: 2.983 ng
RT: 10.028 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF132052.D
Acq: 12 Jan 2023 20:55

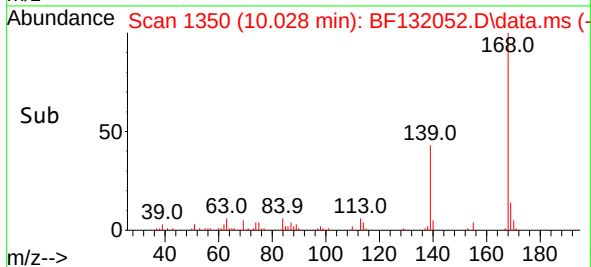
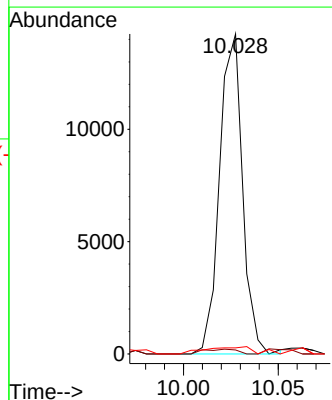
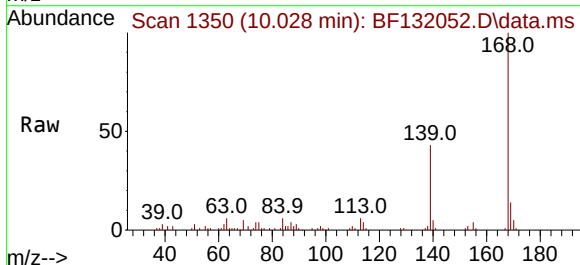
Instrument :
BNA_F
ClientSampleId :
TP-C

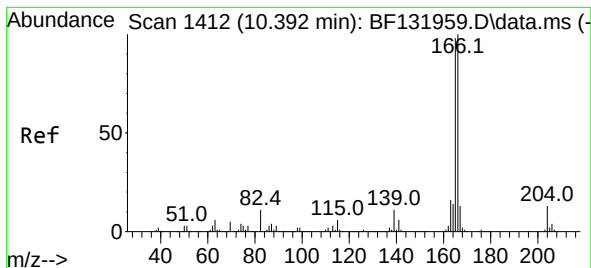
Tgt Ion:168 Resp: 27583
Ion Ratio Lower Upper
168 100
139 43.3 32.4 48.6
169 13.7 10.7 16.1



#56
4-Nitrophenol
Concen: 12.782 ng
RT: 10.028 min Scan# 1350
Delta R.T. 0.059 min
Lab File: BF132052.D
Acq: 12 Jan 2023 20:55

Tgt Ion:139 Resp: 12040
Ion Ratio Lower Upper
139 100
109 1.3 90.5 130.5#
65 1.9 112.6 152.6#





#58

Fluorene

Concen: 5.727 ng

RT: 10.369 min Scan# 1412

Delta R.T. -0.006 min

Lab File: BF132052.D

Acq: 12 Jan 2023 20:55

Instrument :

BNA_F

ClientSampleId :

TP-C

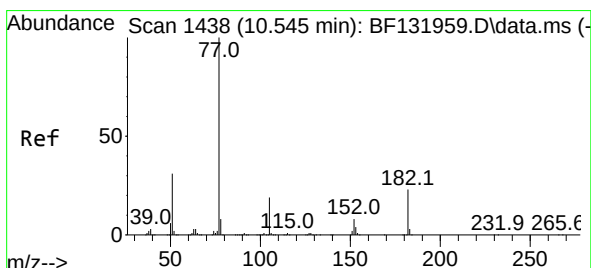
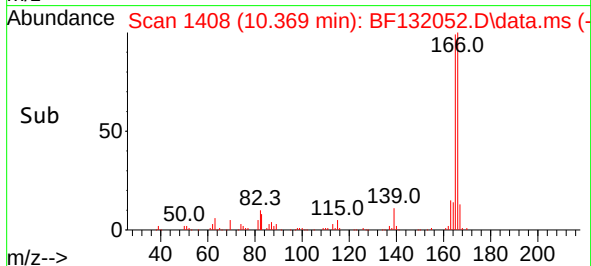
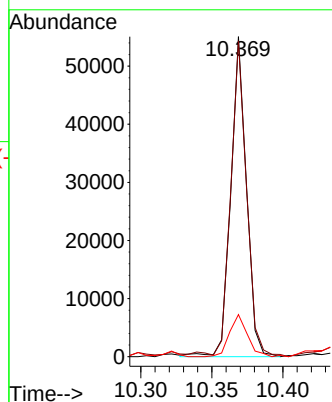
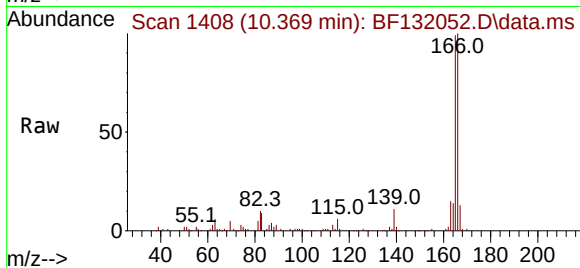
Tgt Ion:166 Resp: 42306

Ion Ratio Lower Upper

166 100

165 98.7 78.3 117.5

167 13.2 10.7 16.1



#63

Azobenzene

Concen: 10.999 ng

RT: 10.539 min Scan# 1437

Delta R.T. 0.012 min

Lab File: BF132052.D

Acq: 12 Jan 2023 20:55

Tgt Ion: 77 Resp: 94026

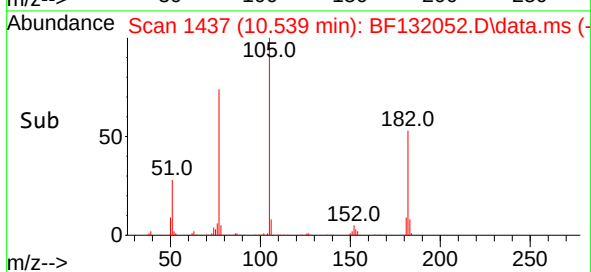
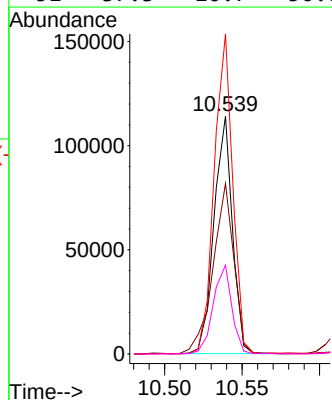
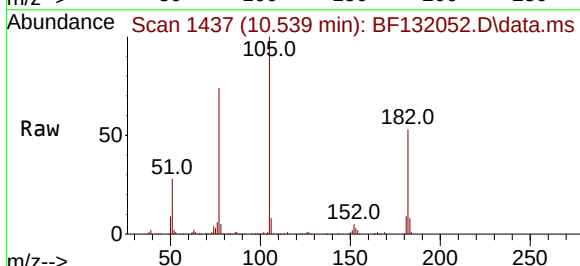
Ion Ratio Lower Upper

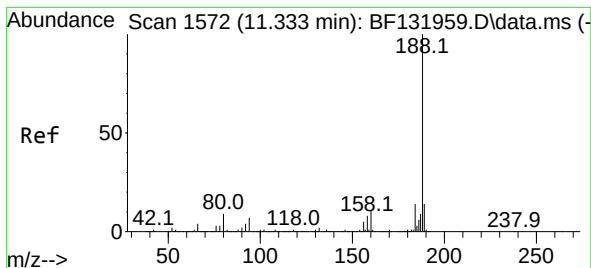
77 100

182 71.6 2.9 42.9#

105 134.5 0.0 39.3#

51 37.3 10.7 50.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132052.D

Acq: 12 Jan 2023 20:55

Instrument :

BNA_F

ClientSampleId :

TP-C

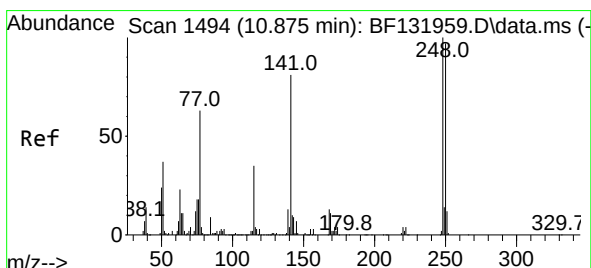
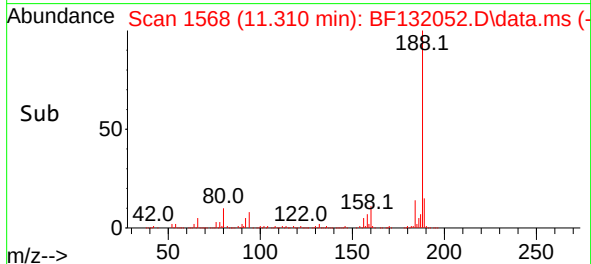
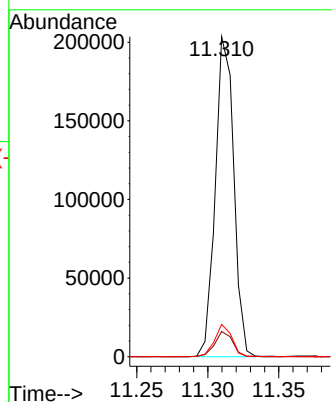
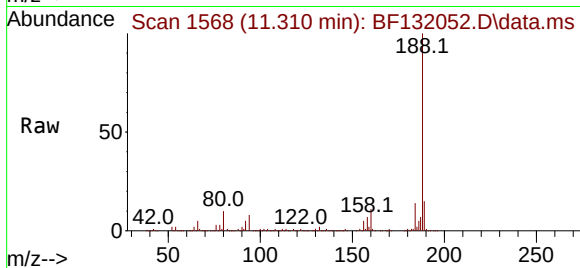
Tgt Ion:188 Resp: 183694

Ion Ratio Lower Upper

188 100

94 7.8 5.8 8.6

80 10.1 7.4 11.0



#67

4-Bromophenyl-phenylether

Concen: 3.822 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.241 min

Lab File: BF132052.D

Acq: 12 Jan 2023 20:55

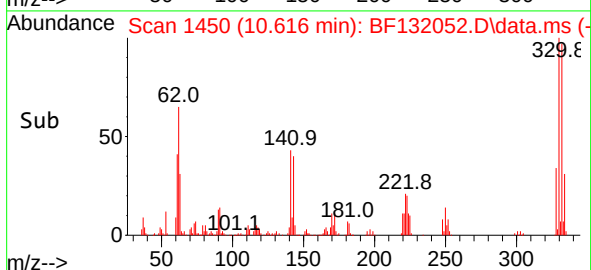
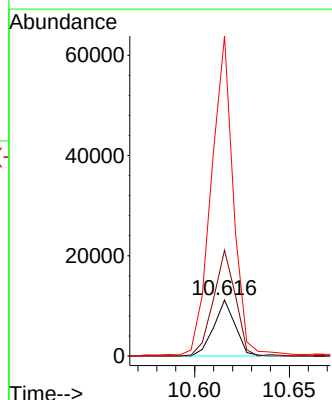
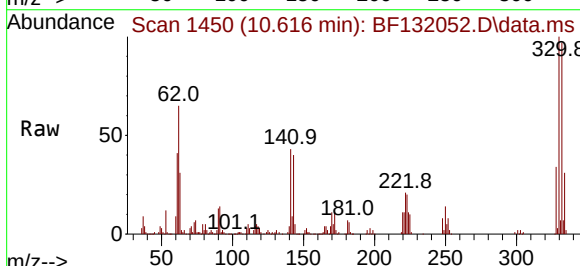
Tgt Ion:248 Resp: 8782

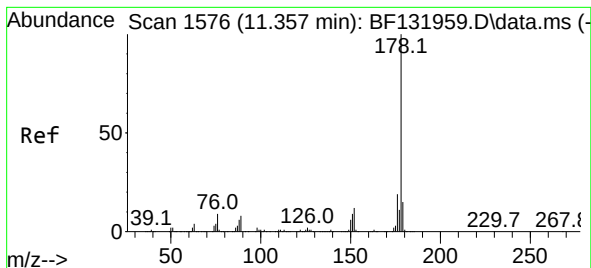
Ion Ratio Lower Upper

248 100

250 189.0 77.4 116.2#

141 571.3 65.0 97.6#





#71

Phenanthrene

Concen: 39.821 ng

RT: 11.339 min Scan# 1573

Delta R.T. -0.000 min

Lab File: BF132052.D

Acq: 12 Jan 2023 20:55

Instrument :

BNA_F

ClientSampleId :

TP-C

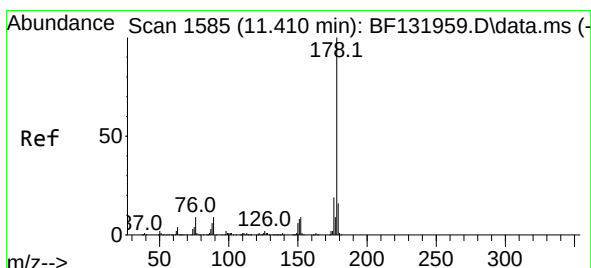
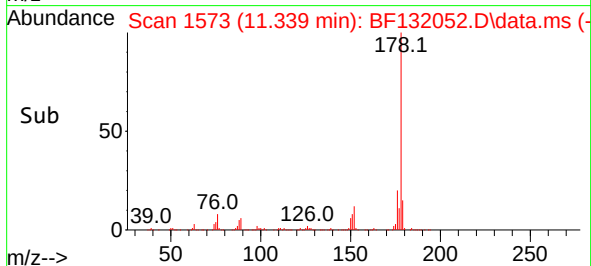
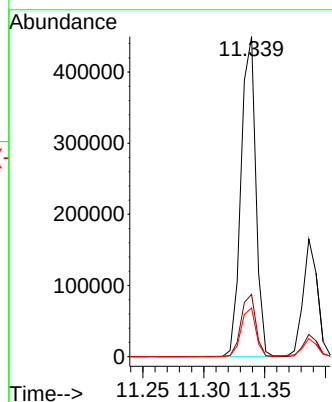
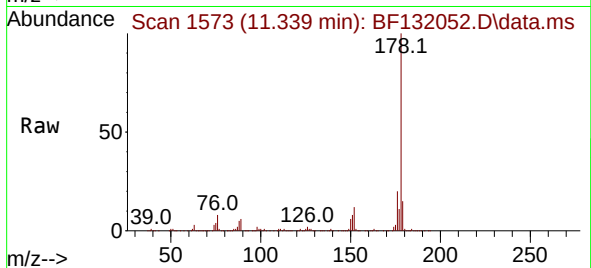
Tgt Ion:178 Resp: 381324

Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

179 15.2 12.4 18.6



#72

Anthracene

Concen: 13.522 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF132052.D

Acq: 12 Jan 2023 20:55

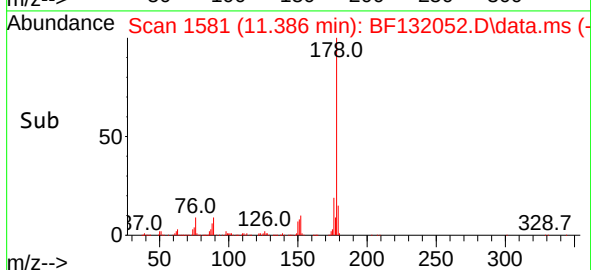
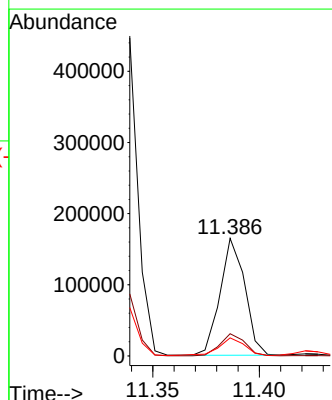
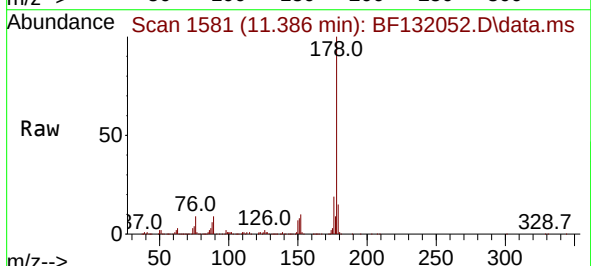
Tgt Ion:178 Resp: 133304

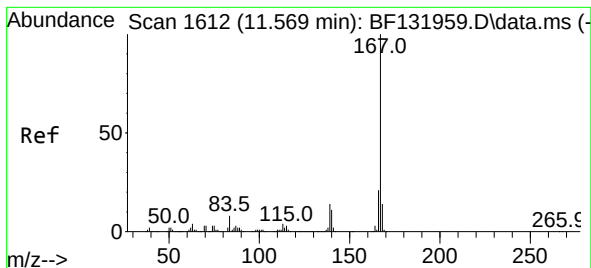
Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 15.3 12.6 19.0





#73

Carbazole

Concen: 2.502 ng

RT: 11.545 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132052.D

Acq: 12 Jan 2023 20:55

Instrument :

BNA_F

ClientSampleId :

TP-C

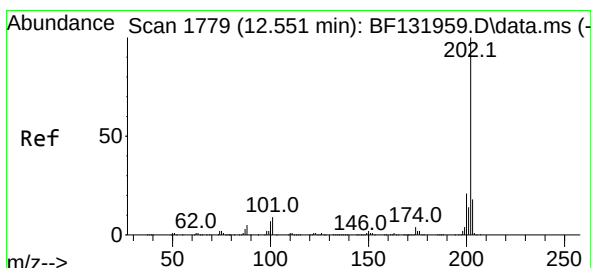
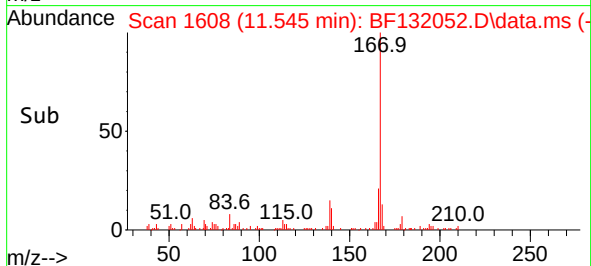
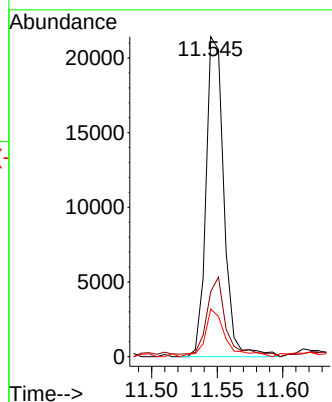
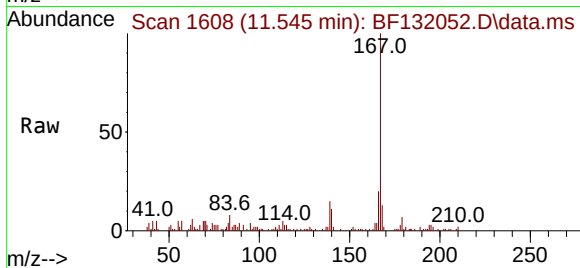
Tgt Ion:167 Resp: 20419

Ion Ratio Lower Upper

167 100

166 20.3 16.8 25.2

139 14.9 11.1 16.7



#75

Fluoranthene

Concen: 64.649 ng

RT: 12.533 min Scan# 1776

Delta R.T. -0.000 min

Lab File: BF132052.D

Acq: 12 Jan 2023 20:55

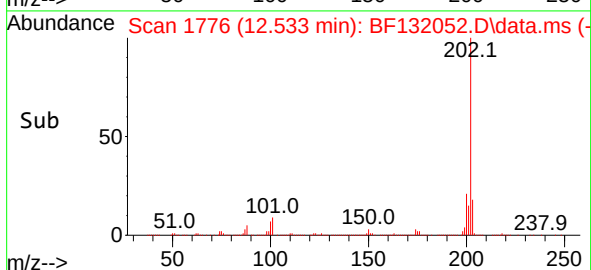
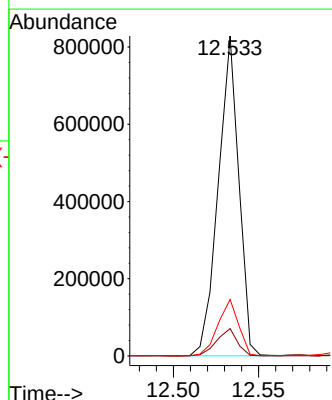
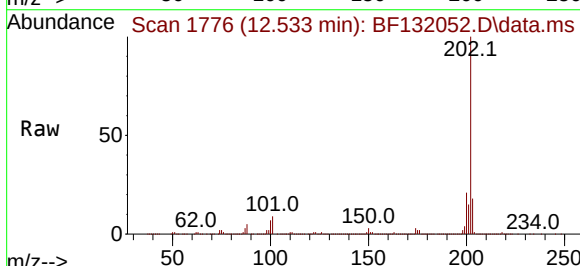
Tgt Ion:202 Resp: 696249

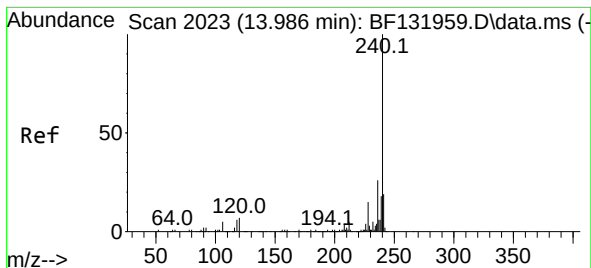
Ion Ratio Lower Upper

202 100

101 8.6 0.0 28.8

203 17.7 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF132052.D

Acq: 12 Jan 2023 20:55

Instrument :

BNA_F

ClientSampleId :

TP-C

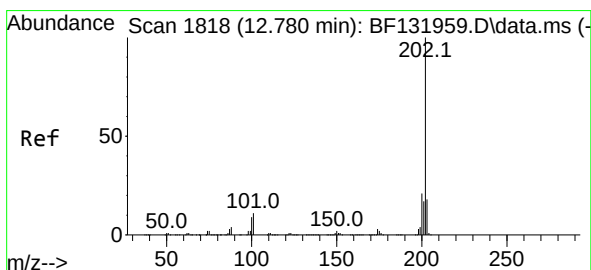
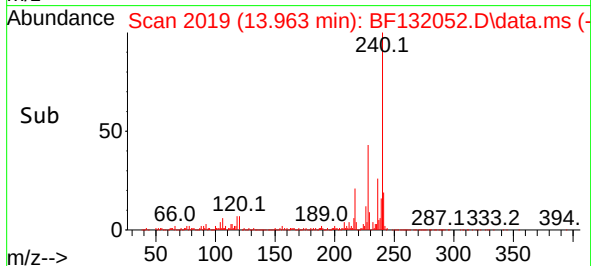
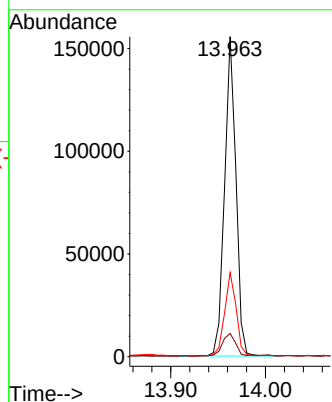
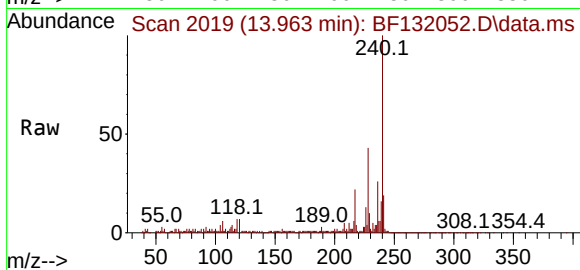
Tgt Ion:240 Resp: 130532

Ion Ratio Lower Upper

240 100

120 7.3 5.4 8.0

236 26.3 21.1 31.7



#78

Pyrene

Concen: 49.175 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.000 min

Lab File: BF132052.D

Acq: 12 Jan 2023 20:55

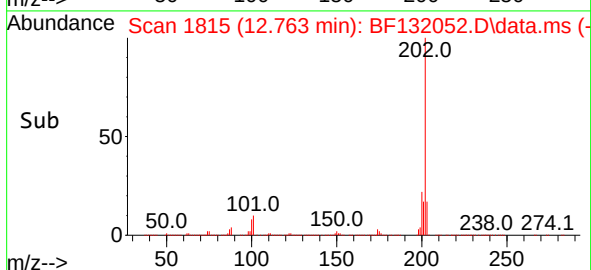
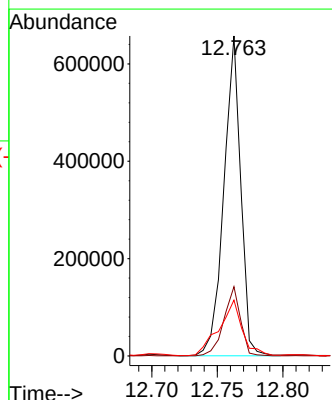
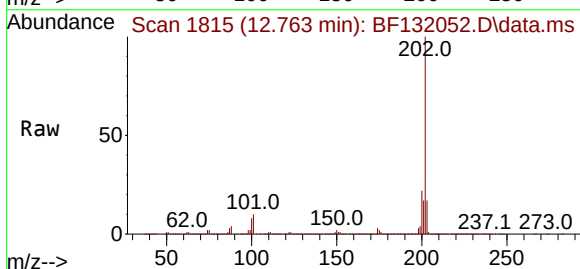
Tgt Ion:202 Resp: 585445

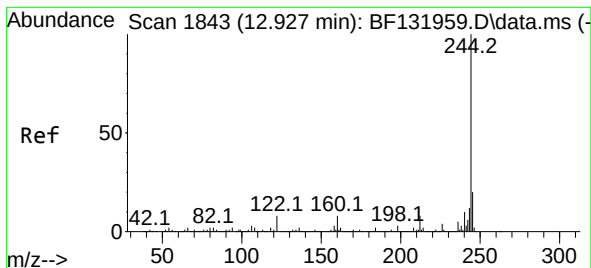
Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.6

203 17.4 14.1 21.1





#79

Terphenyl-d14

Concen: 69.890 ng

RT: 12.904 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF132052.D

Acq: 12 Jan 2023 20:55

Instrument :

BNA_F

ClientSampleId :

TP-C

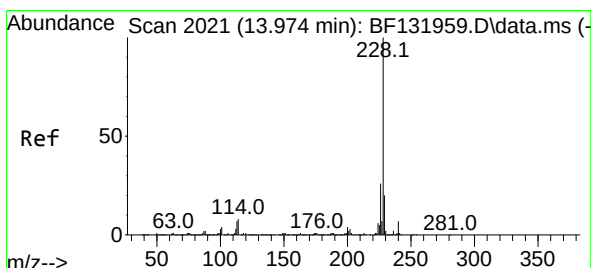
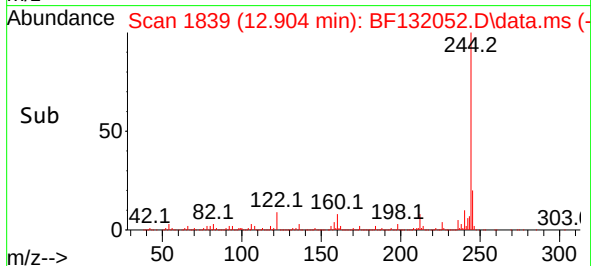
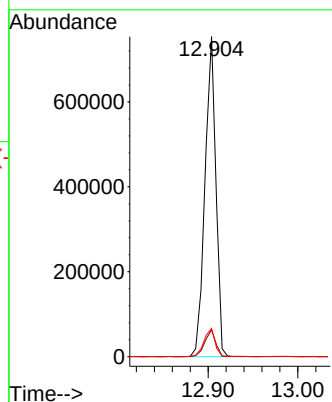
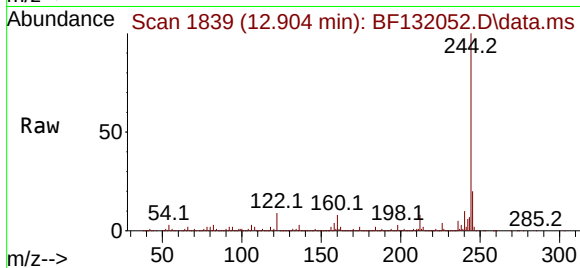
Tgt Ion:244 Resp: 636504

Ion Ratio Lower Upper

244 100

212 8.3 6.3 9.5

122 8.9 6.8 10.2



#81

Benzo(a)anthracene

Concen: 29.896 ng

RT: 13.951 min Scan# 2017

Delta R.T. -0.000 min

Lab File: BF132052.D

Acq: 12 Jan 2023 20:55

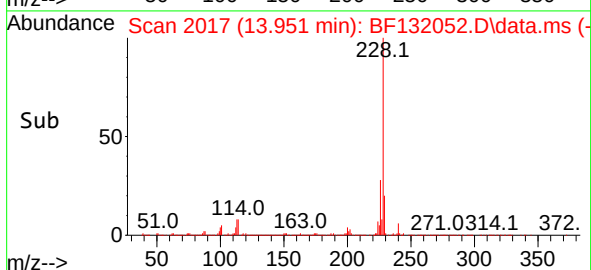
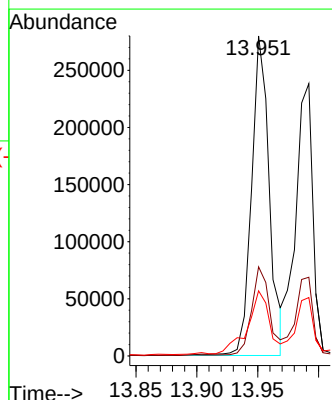
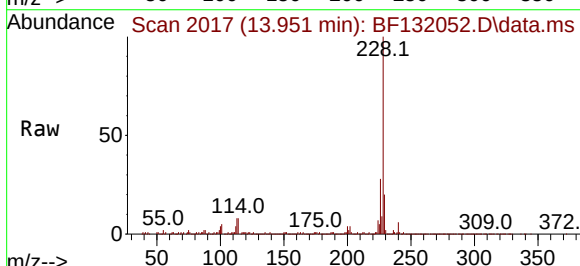
Tgt Ion:228 Resp: 283911

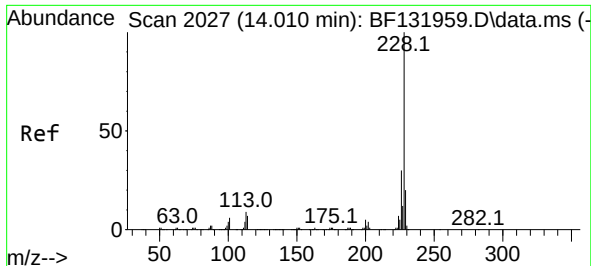
Ion Ratio Lower Upper

228 100

226 27.9 21.0 31.4

229 20.3 15.8 23.6

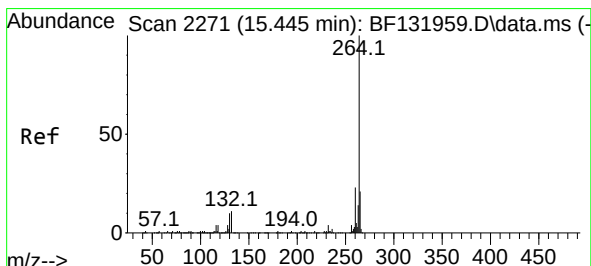
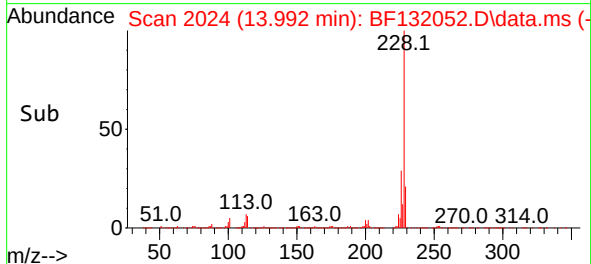
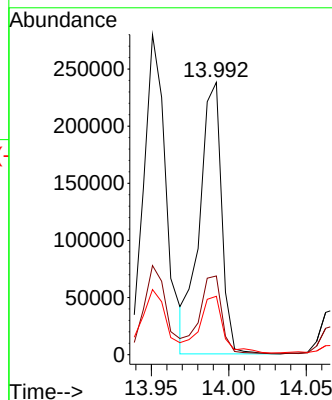
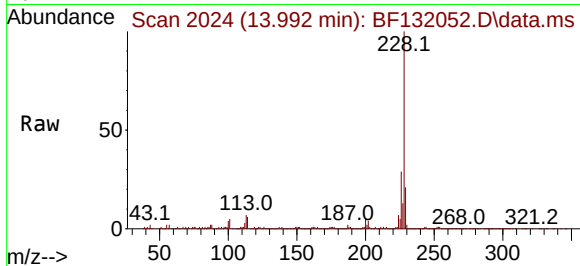




#83
Chrysene
Concen: 26.647 ng
RT: 13.992 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF132052.D
Acq: 12 Jan 2023 20:55

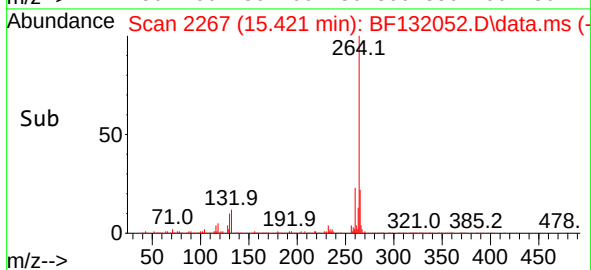
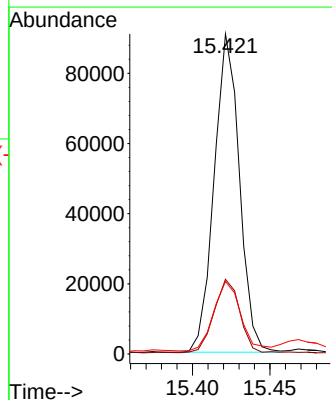
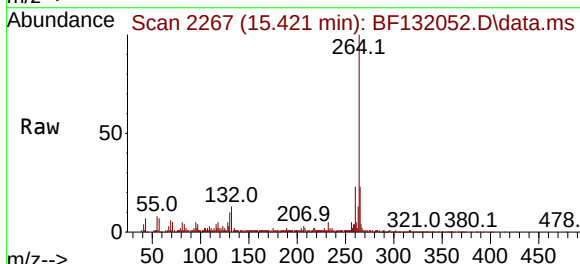
Instrument :
BNA_F
ClientSampleId :
TP-C

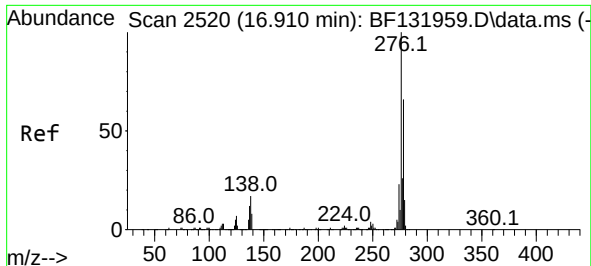
Tgt Ion:228 Resp: 236494
Ion Ratio Lower Upper
228 100
226 28.9 24.0 36.0
229 21.5 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.006 min
Lab File: BF132052.D
Acq: 12 Jan 2023 20:55

Tgt Ion:264 Resp: 102751
Ion Ratio Lower Upper
264 100
260 23.4 18.3 27.5
265 22.7 16.9 25.3

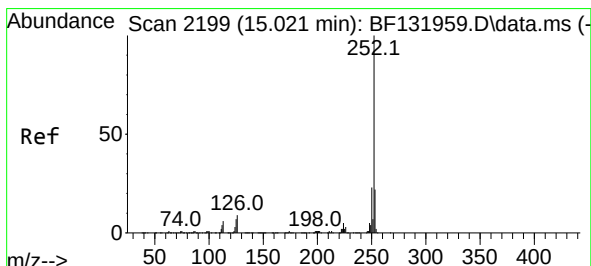
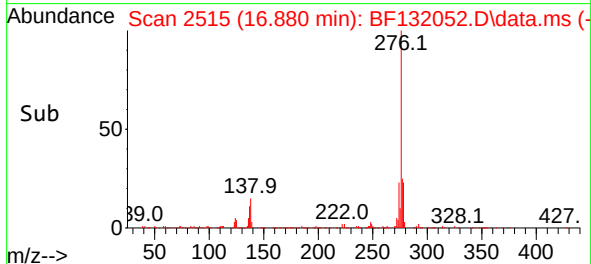
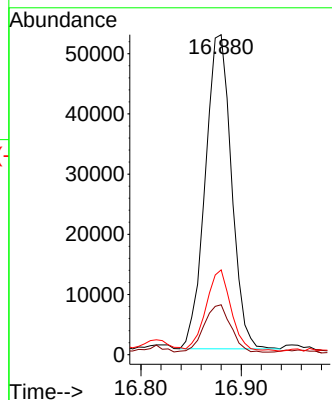
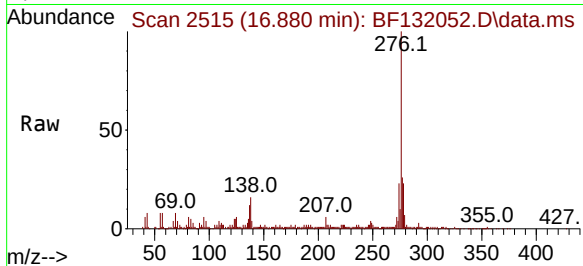




#87
Indeno(1,2,3-cd)pyrene
Concen: 15.066 ng
RT: 16.880 min Scan# 2195
Delta R.T. -0.000 min
Lab File: BF132052.D
Acq: 12 Jan 2023 20:55

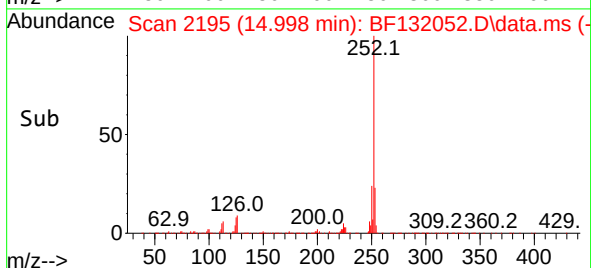
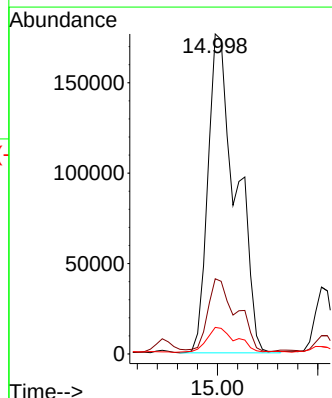
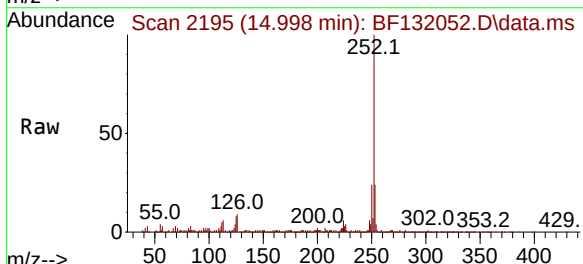
Instrument :
BNA_F
ClientSampleId :
TP-C

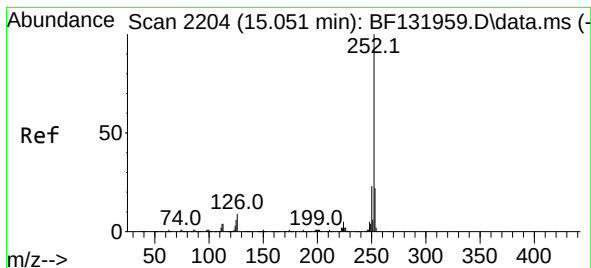
Tgt Ion:276 Resp: 94943
Ion Ratio Lower Upper
276 100
138 15.9 14.2 21.2
277 24.9 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 48.969 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.000 min
Lab File: BF132052.D
Acq: 12 Jan 2023 20:55

Tgt Ion:252 Resp: 345110
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 8.3 5.8 8.6





#89

Benzo(k)fluoranthene

Concen: 49.067 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.029 min

Lab File: BF132052.D

Acq: 12 Jan 2023 20:55

Instrument :

BNA_F

ClientSampleId :

TP-C

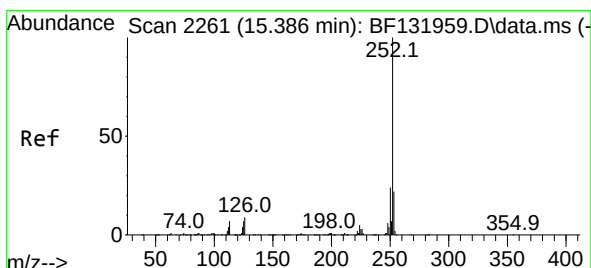
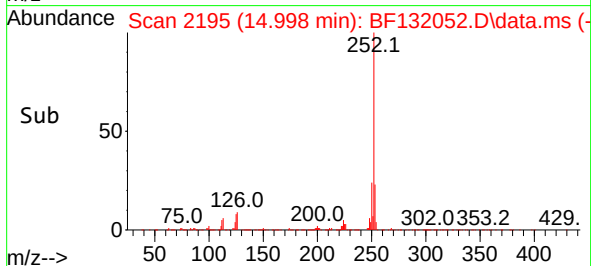
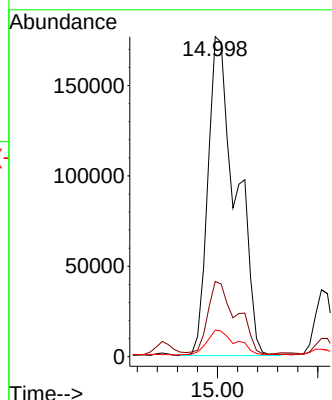
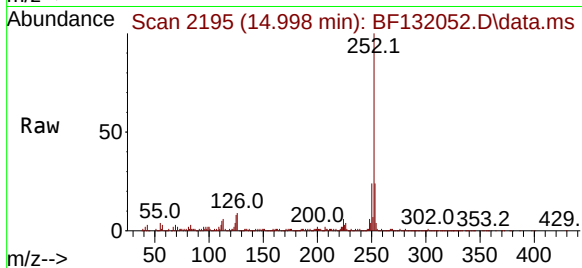
Tgt Ion:252 Resp: 345110

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

125 8.3 5.2 7.8#



#90

Benzo(a)pyrene

Concen: 28.380 ng

RT: 15.362 min Scan# 2257

Delta R.T. 0.006 min

Lab File: BF132052.D

Acq: 12 Jan 2023 20:55

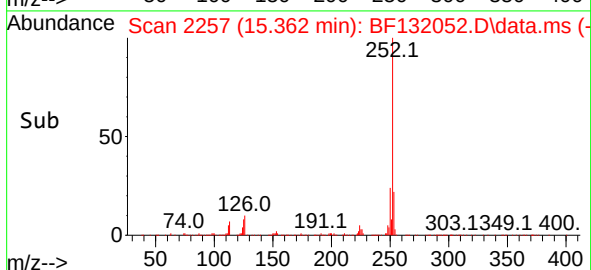
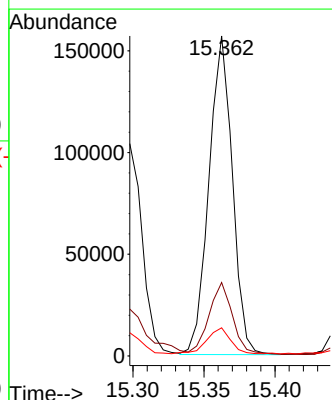
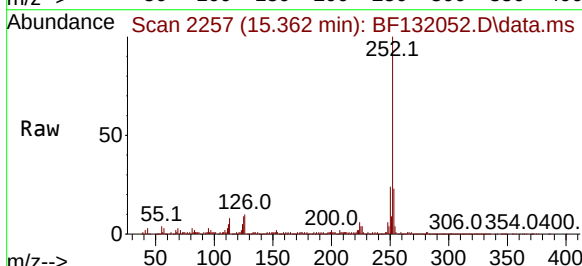
Tgt Ion:252 Resp: 180204

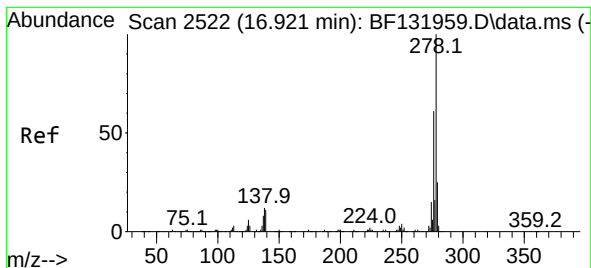
Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

125 8.8 5.7 8.5#





#91

Dibenzo(a,h)anthracene

Concen: 3.671 ng

RT: 17.056 min Scan# 21

Delta R.T. 0.171 min

Lab File: BF132052.D

Acq: 12 Jan 2023 20:55

Instrument :

BNA_F

ClientSampleId :

TP-C

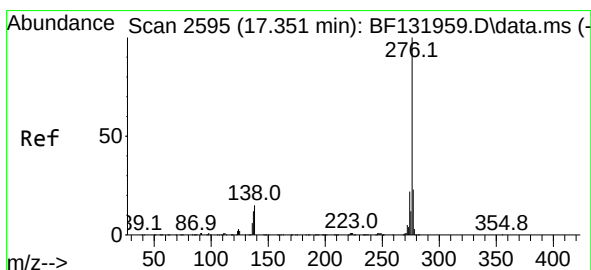
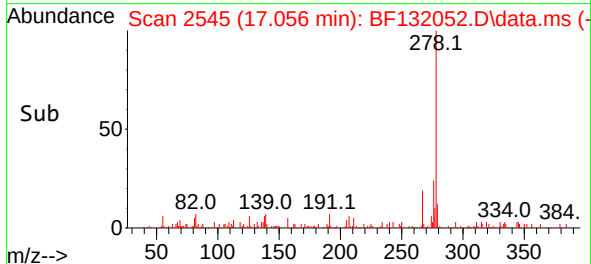
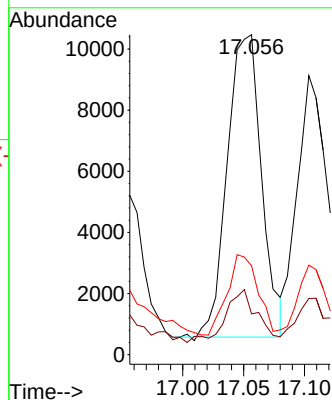
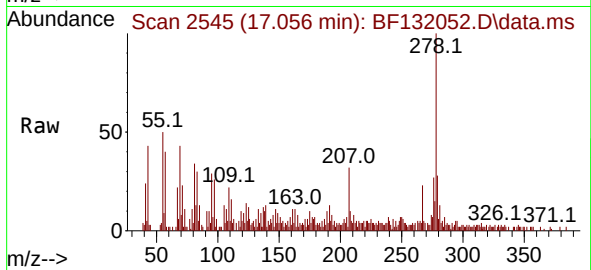
Tgt Ion:278 Resp: 19391

Ion Ratio Lower Upper

278 100

139 12.8 8.8 13.2

279 27.8 19.8 29.6



#92

Benzo(g,h,i)perylene

Concen: 18.235 ng

RT: 17.315 min Scan# 2589

Delta R.T. -0.000 min

Lab File: BF132052.D

Acq: 12 Jan 2023 20:55

Tgt Ion:276 Resp: 89800

Ion Ratio Lower Upper

276 100

277 24.8 18.2 27.2

138 16.9 11.7 17.5

