

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
 Data File : BF133809.D
 Acq On : 16 Jun 2023 16:26
 Operator : CG\JU
 Sample : 03186-01DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-061323DL

Quant Time: Jun 16 16:47:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 14:54:03 2023
 Response via : Initial Calibration

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

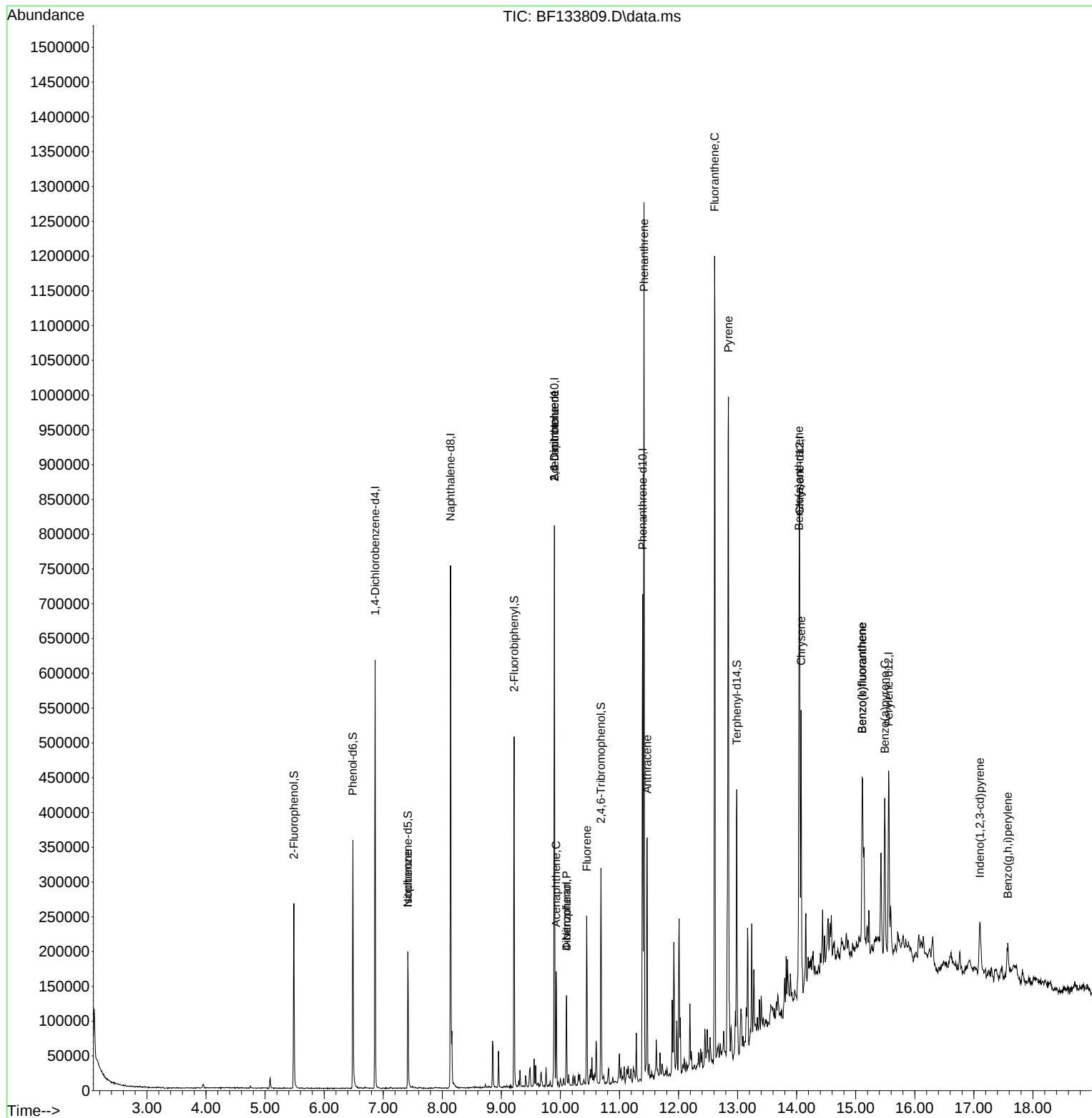
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	81183	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	304182	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	138798	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	243419	20.000	ng	0.00
76) Chrysene-d12	14.051	240	165339	20.000	ng	0.00
86) Perylene-d12	15.557	264	132530	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	67275	14.427	ng	0.00
7) Phenol-d6	6.487	99	99043	16.317	ng	-0.01
23) Nitrobenzene-d5	7.416	82	56710	10.154	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	27571	15.693	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	136523	13.982	ng	0.00
79) Terphenyl-d14	12.986	244	124188	11.622	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.416	82	56710	5.531	ng	# 65
51) 2,6-Dinitrotoluene	9.898	165	19051	8.909	ng	# 28
52) Acenaphthene	9.928	154	32880	4.019	ng	97
55) Dibenzofuran	10.104	168	43890	3.516	ng	99
56) 4-Nitrophenol	10.104	139	16870	9.605	ng	# 11
57) 2,4-Dinitrotoluene	9.898	165	19051	7.005	ng	# 20
58) Fluorene	10.445	166	63153	6.616	ng	98
71) Phenanthrene	11.416	178	410844	33.267	ng	99
72) Anthracene	11.469	178	134708	10.461	ng	100
75) Fluoranthene	12.610	202	474078	36.149	ng	97
78) Pyrene	12.845	202	418013	27.140	ng	99
81) Benzo(a)anthracene	14.039	228	190832	16.686	ng	98
83) Chrysene	14.074	228	141472	13.079	ng	97
87) Indeno(1,2,3-cd)pyrene	17.104	276	52903	5.802	ng	96
88) Benzo(b)fluoranthene	15.110	252	197784	24.567	ng	96
89) Benzo(k)fluoranthene	15.110	252	197784	25.220	ng	96
90) Benzo(a)pyrene	15.492	252	107417	14.377	ng	97
92) Benzo(g,h,i)perylene	17.574	276	49223	6.577	ng	# 95

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

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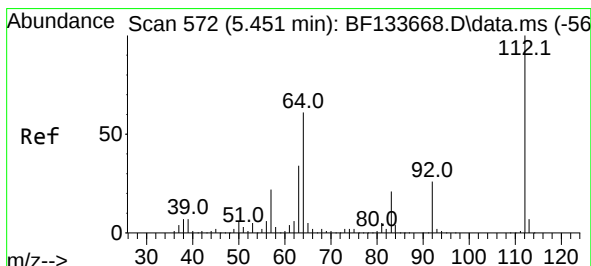
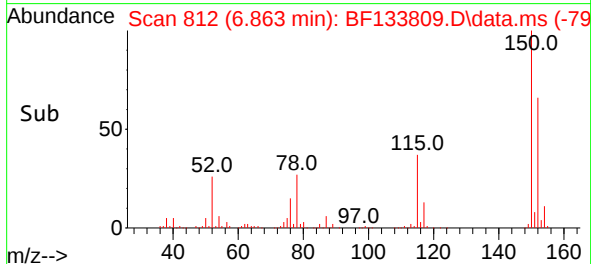
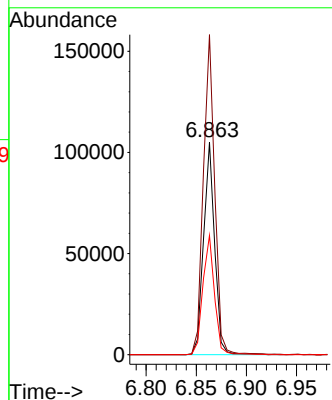
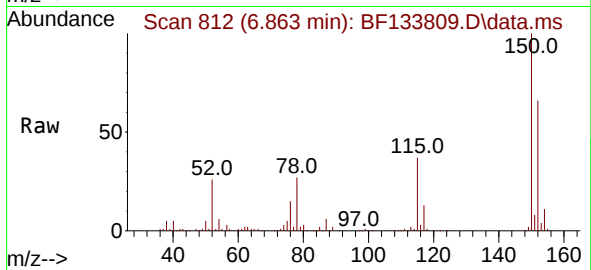




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

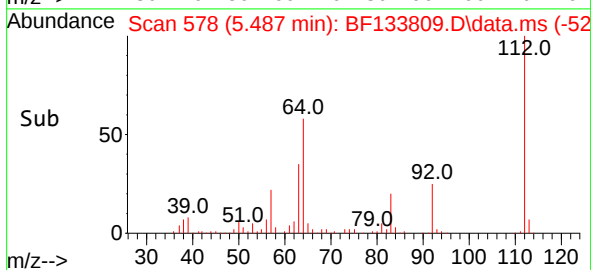
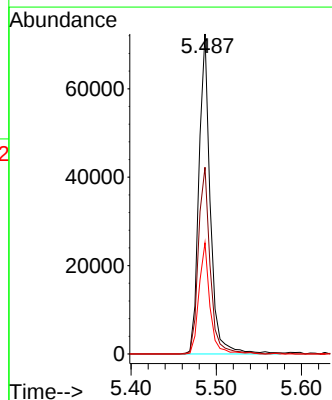
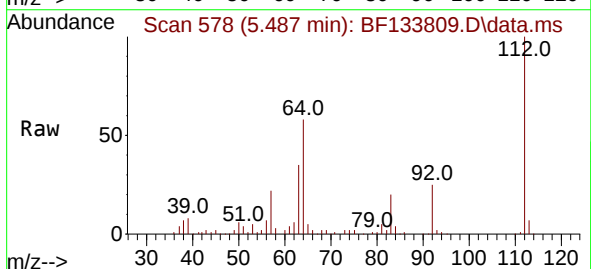
Instrument :
BNA_F
ClientSampleId :
OR-03-061323DL

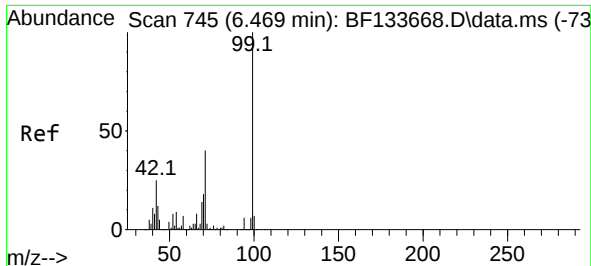
Tgt Ion:152 Resp: 81183
Ion Ratio Lower Upper
152 100
150 150.6 124.3 186.5
115 56.1 48.5 72.7



#5
2-Fluorophenol
Concen: 14.427 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

Tgt Ion:112 Resp: 67275
Ion Ratio Lower Upper
112 100
64 58.4 49.0 73.4
63 34.7 26.8 40.2

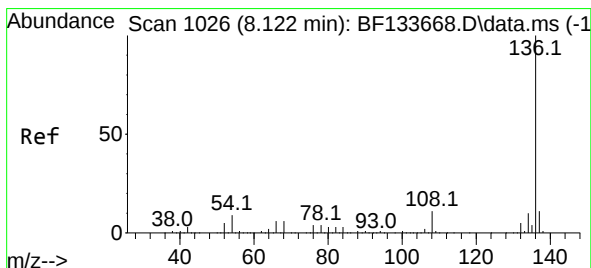
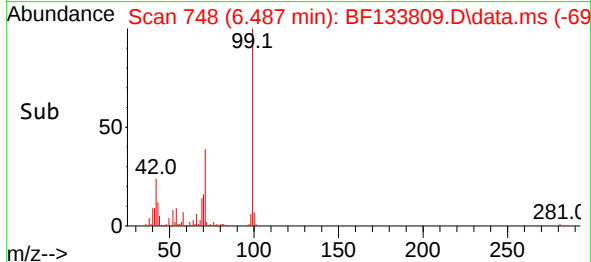
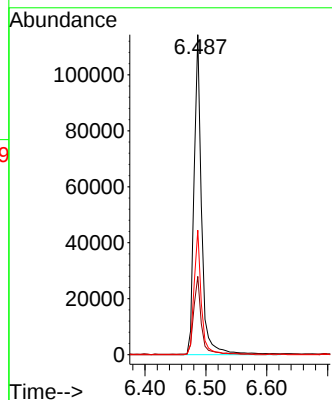
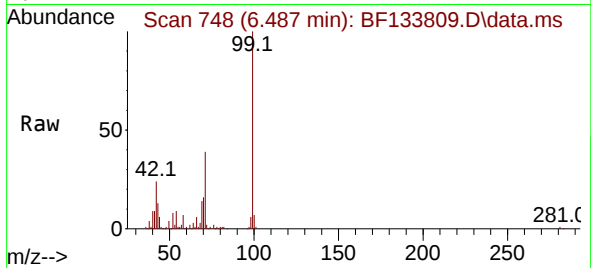




#7
Phenol-d6
Concen: 16.317 ng
RT: 6.487 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

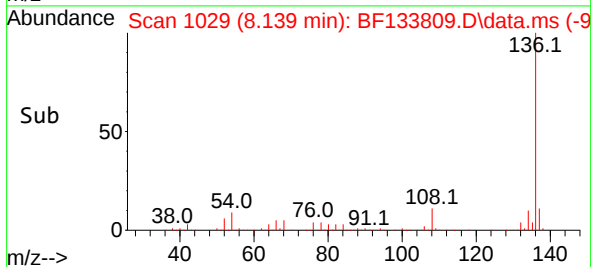
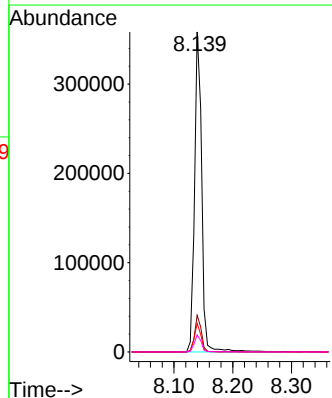
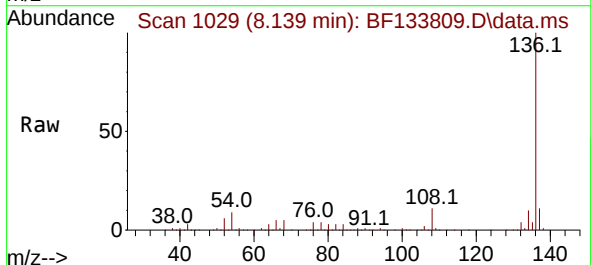
Instrument :
BNA_F
ClientSampleId :
OR-03-061323DL

Tgt Ion: 99 Resp: 99043
Ion Ratio Lower Upper
99 100
42 24.4 19.9 29.9
71 38.9 32.2 48.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

Tgt Ion: 136 Resp: 304182
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 9.0 7.4 11.0
68 5.3 4.4 6.6





#23

Nitrobenzene-d5

Concen: 10.154 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF133809.D

Acq: 16 Jun 2023 16:26

Instrument :

BNA_F

ClientSampleId :

OR-03-061323DL

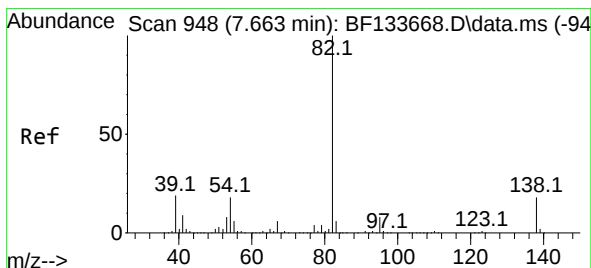
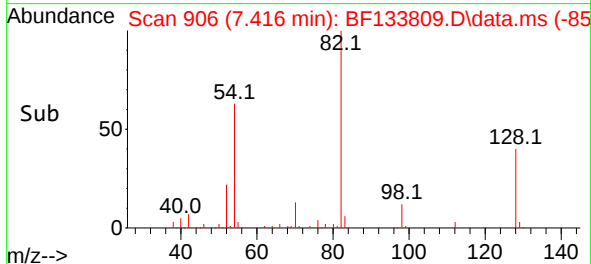
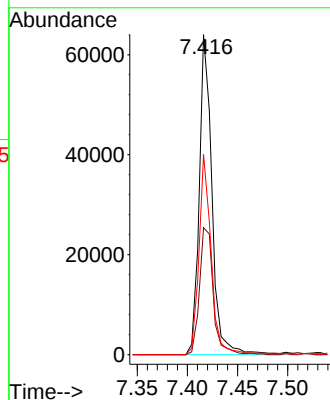
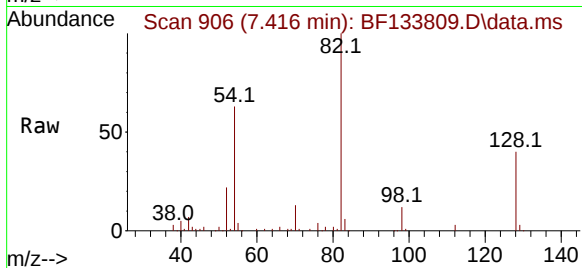
Tgt Ion: 82 Resp: 56710

Ion Ratio Lower Upper

82 100

128 39.7 34.2 51.2

54 62.5 46.5 69.7



#25

Isophorone

Concen: 5.531 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.265 min

Lab File: BF133809.D

Acq: 16 Jun 2023 16:26

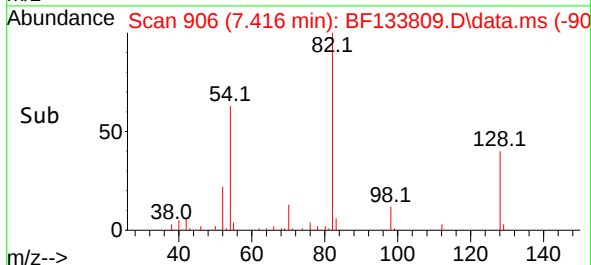
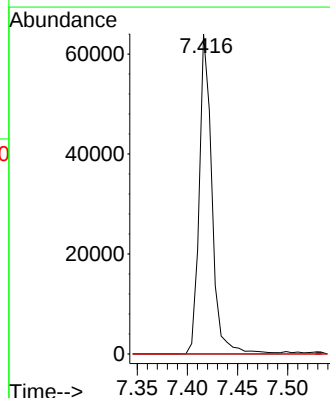
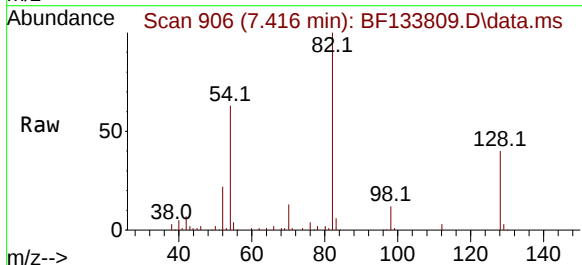
Tgt Ion: 82 Resp: 56710

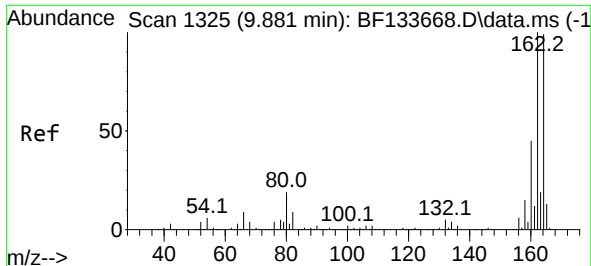
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 14.2 21.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1328

Delta R.T. -0.006 min

Lab File: BF133809.D

Acq: 16 Jun 2023 16:26

Instrument :

BNA_F

ClientSampleId :

OR-03-061323DL

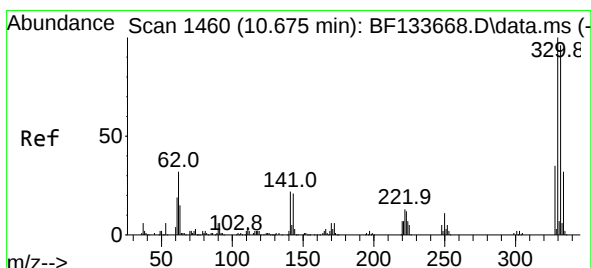
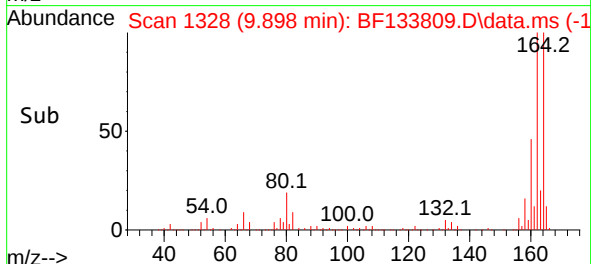
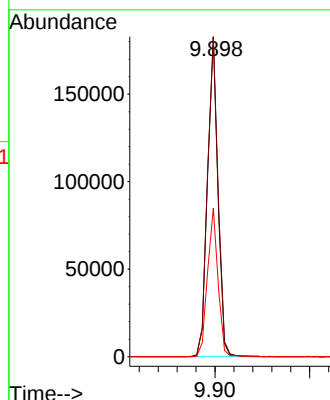
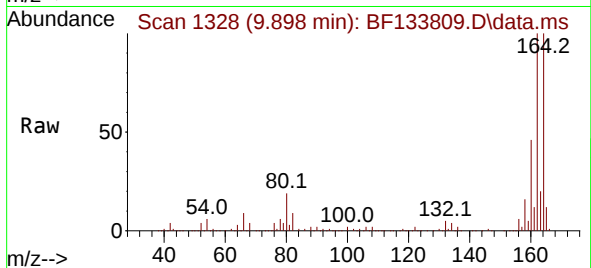
Tgt Ion:164 Resp: 138798

Ion Ratio Lower Upper

164 100

162 100.0 80.8 121.2

160 46.5 36.7 55.1



#42

2,4,6-Tribromophenol

Concen: 15.693 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF133809.D

Acq: 16 Jun 2023 16:26

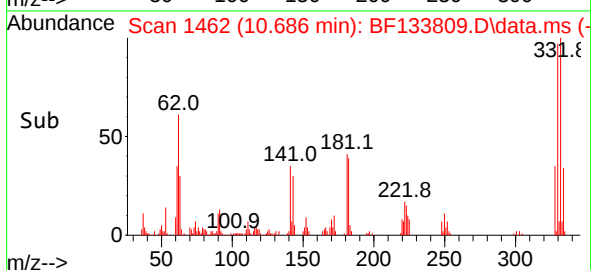
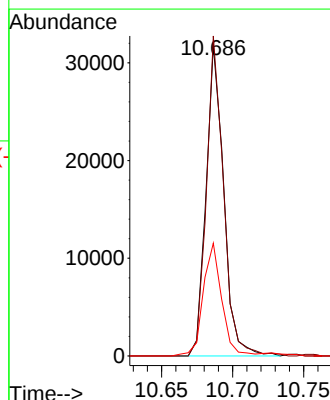
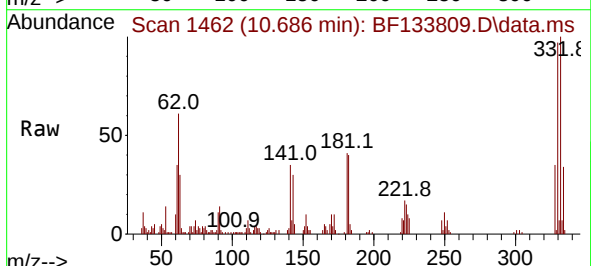
Tgt Ion:330 Resp: 27571

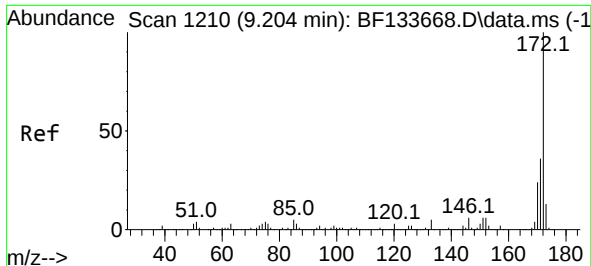
Ion Ratio Lower Upper

330 100

332 99.5 77.2 115.8

141 37.9 24.9 37.3#





#45

2-Fluorobiphenyl

Concen: 13.982 ng

RT: 9.216 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133809.D

Acq: 16 Jun 2023 16:26

Instrument :

BNA_F

ClientSampleId :

OR-03-061323DL

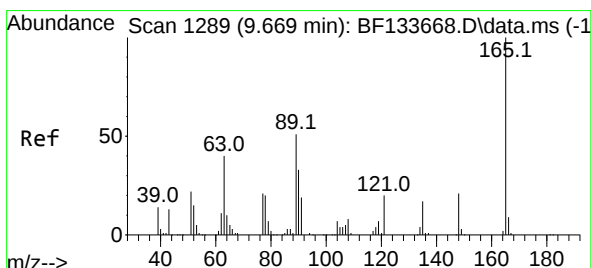
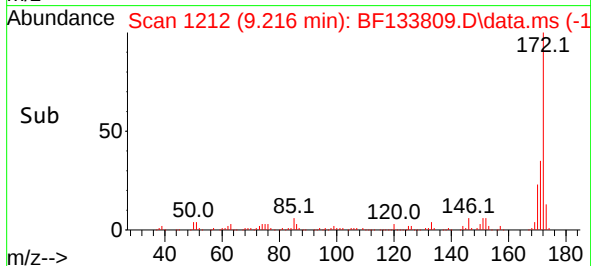
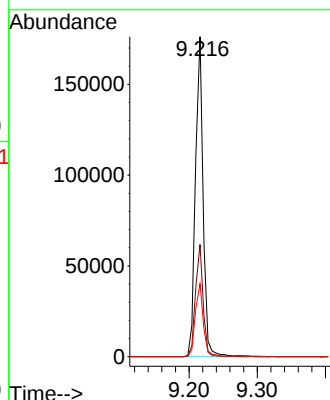
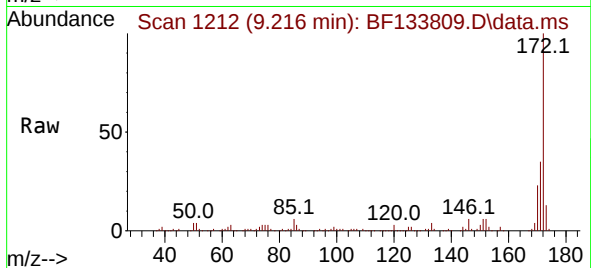
Tgt Ion:172 Resp: 136523

Ion Ratio Lower Upper

172 100

171 35.1 28.6 43.0

170 22.8 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 8.909 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.212 min

Lab File: BF133809.D

Acq: 16 Jun 2023 16:26

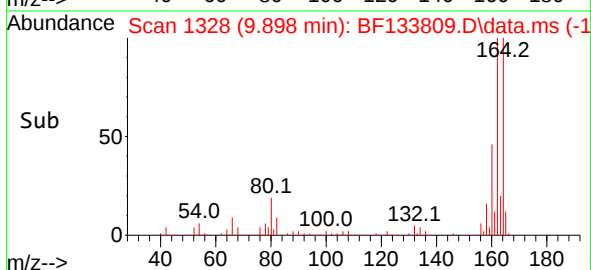
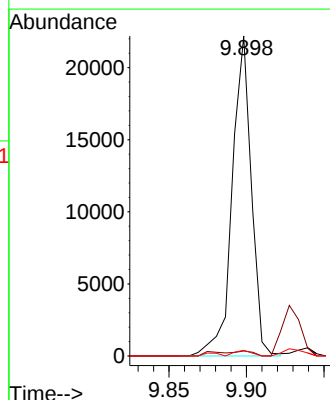
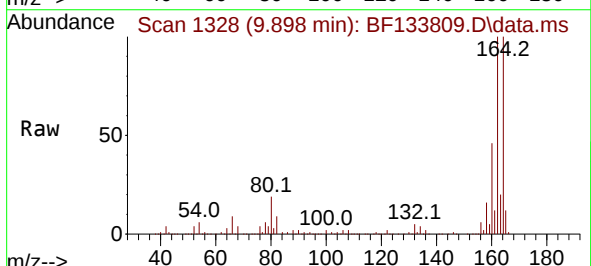
Tgt Ion:165 Resp: 19051

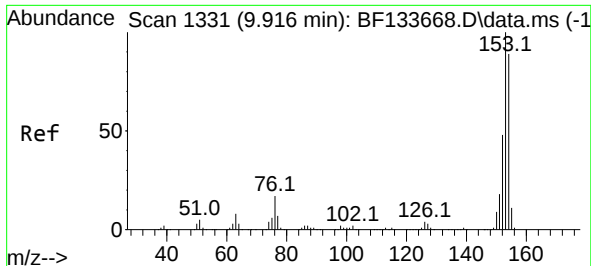
Ion Ratio Lower Upper

165 100

63 1.6 42.1 63.1#

89 1.7 40.9 61.3#

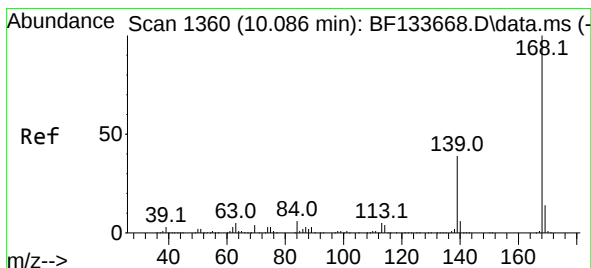
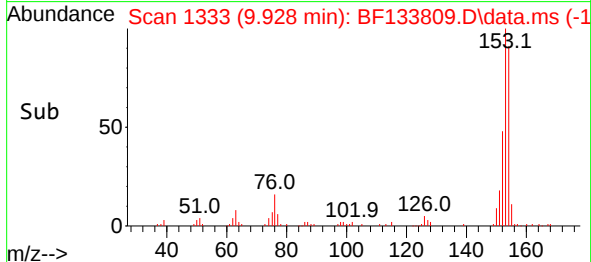
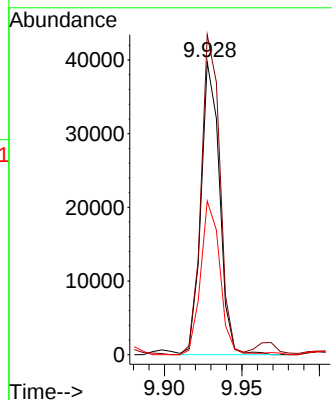
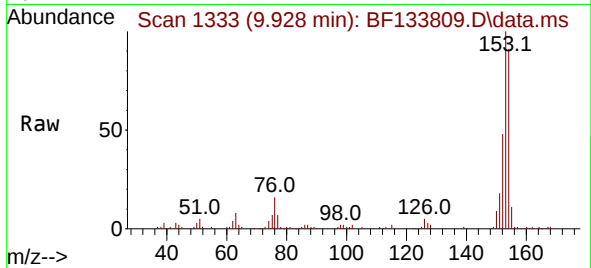




#52
Acenaphthene
Concen: 4.019 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.012 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

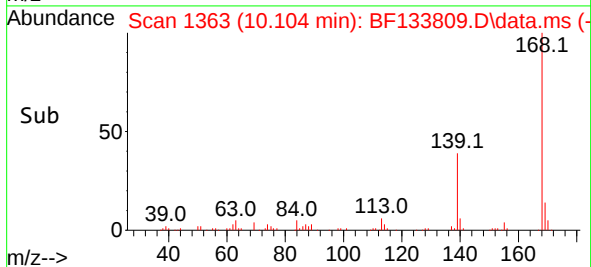
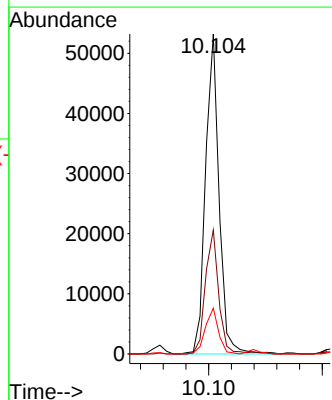
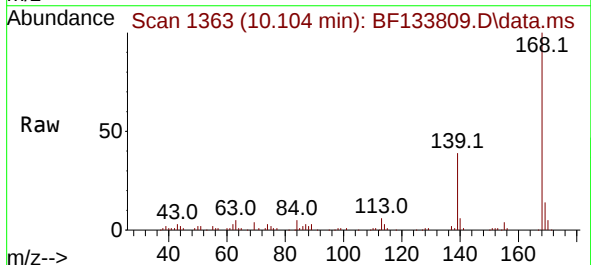
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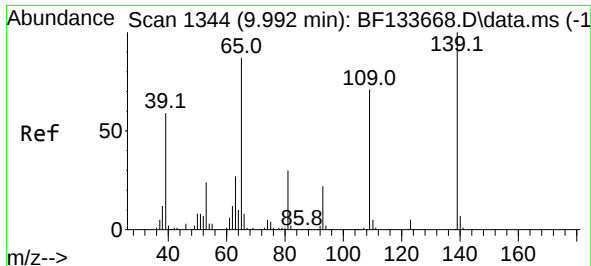
Tgt Ion:154 Resp: 32880
Ion Ratio Lower Upper
154 100
153 109.4 89.8 134.8
152 52.5 43.4 65.2



#55
Dibenzofuran
Concen: 3.516 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.006 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

Tgt Ion:168 Resp: 43890
Ion Ratio Lower Upper
168 100
139 38.7 30.9 46.3
169 14.3 10.9 16.3

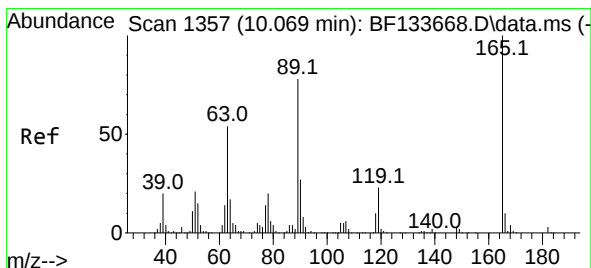
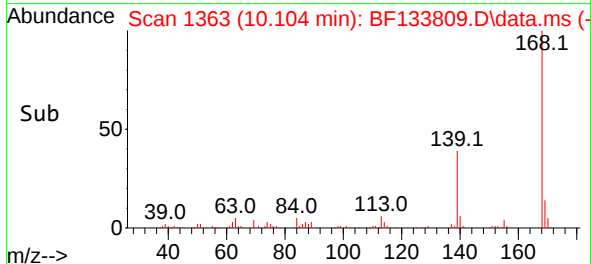
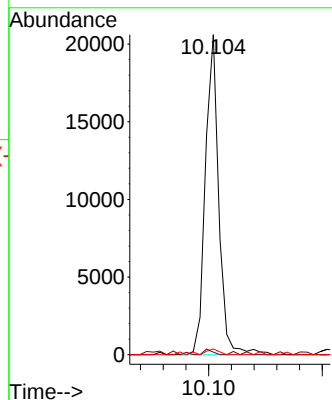
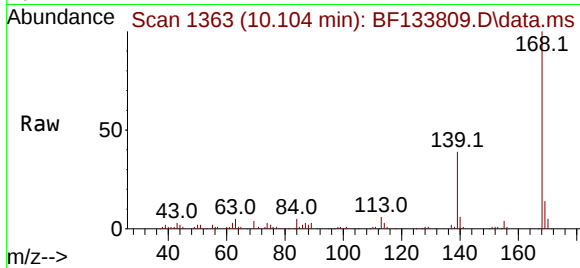




#56
4-Nitrophenol
Concen: 9.605 ng
RT: 10.104 min Scan# 11
Delta R.T. 0.088 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

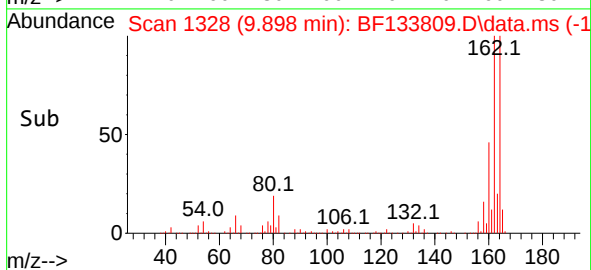
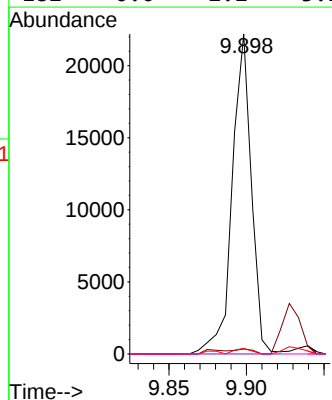
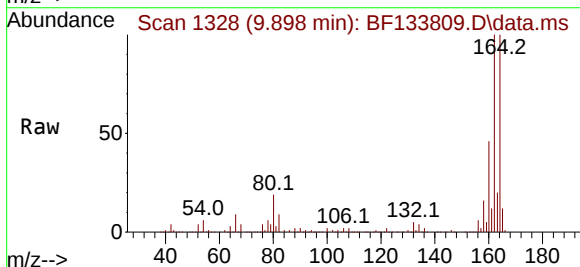
Instrument :
BNA_F
ClientSampleId :
OR-03-061323DL

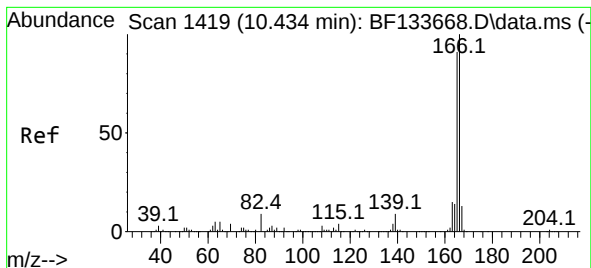
Tgt Ion:139 Resp: 16870
Ion Ratio Lower Upper
139 100
109 0.8 50.7 90.7#
65 1.8 67.1 107.1#



#57
2,4-Dinitrotoluene
Concen: 7.005 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.194 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

Tgt Ion:165 Resp: 19051
Ion Ratio Lower Upper
165 100
63 1.6 43.0 64.6#
89 1.7 62.6 93.8#
182 0.0 2.2 3.2#





#58

Fluorene

Concen: 6.616 ng

RT: 10.445 min Scan# 1419

Delta R.T. -0.006 min

Lab File: BF133809.D

Acq: 16 Jun 2023 16:26

Instrument :

BNA_F

ClientSampleId :

OR-03-061323DL

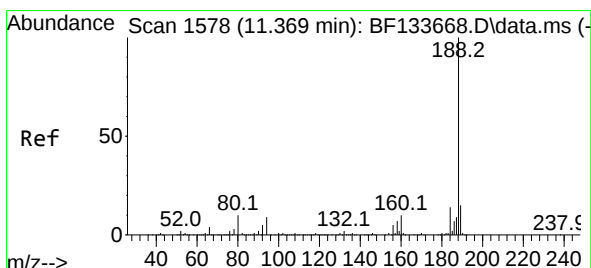
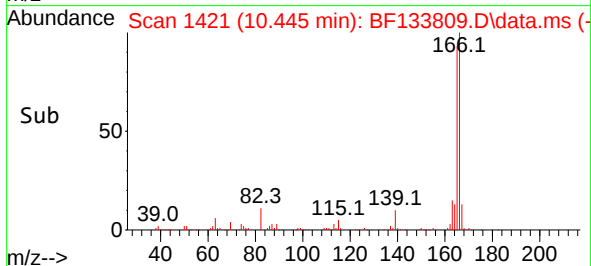
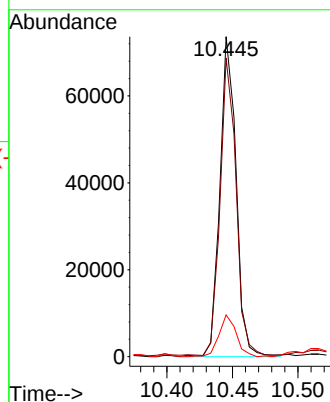
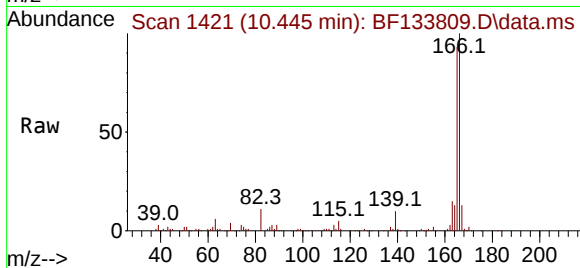
Tgt Ion:166 Resp: 63153

Ion Ratio Lower Upper

166 100

165 93.4 73.1 109.7

167 13.1 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1582

Delta R.T. 0.000 min

Lab File: BF133809.D

Acq: 16 Jun 2023 16:26

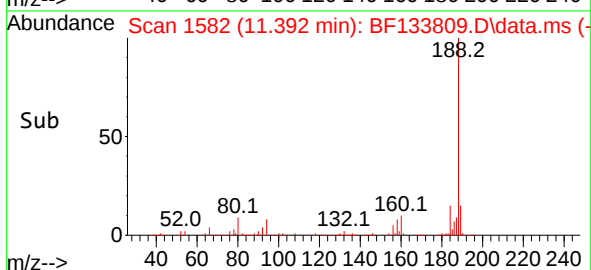
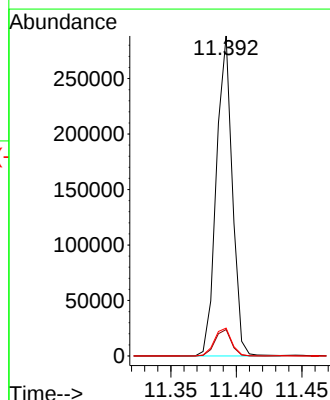
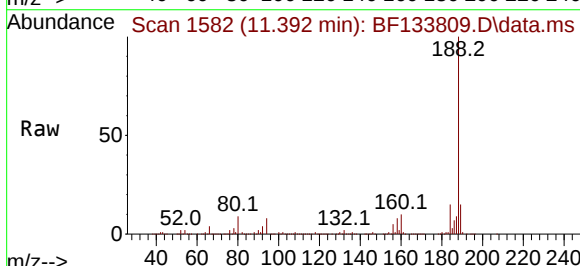
Tgt Ion:188 Resp: 243419

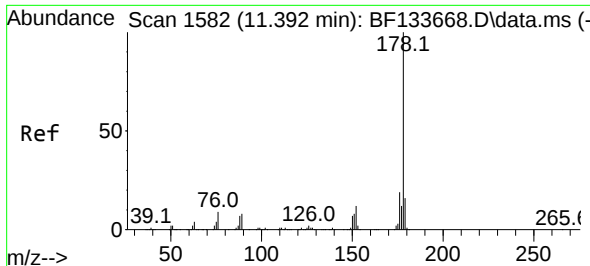
Ion Ratio Lower Upper

188 100

94 8.2 6.8 10.2

80 8.7 7.8 11.6

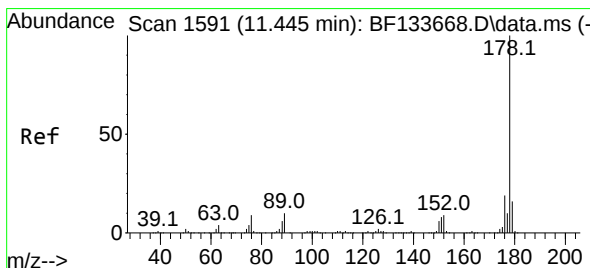
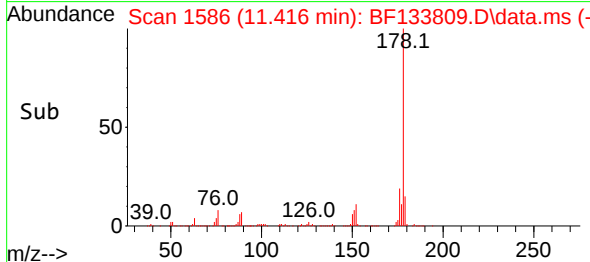
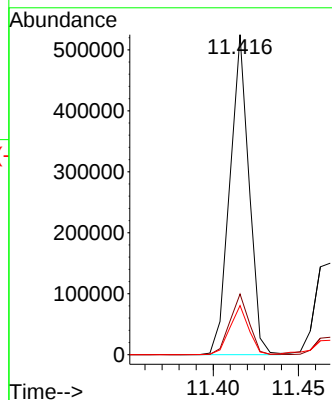
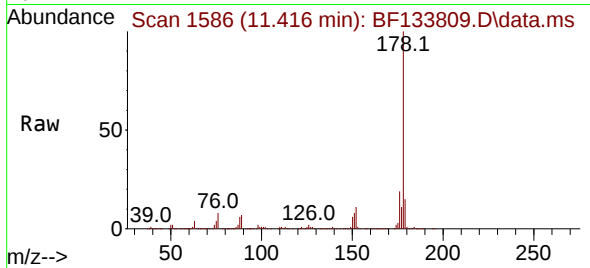




#71
Phenanthrene
Concen: 33.267 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

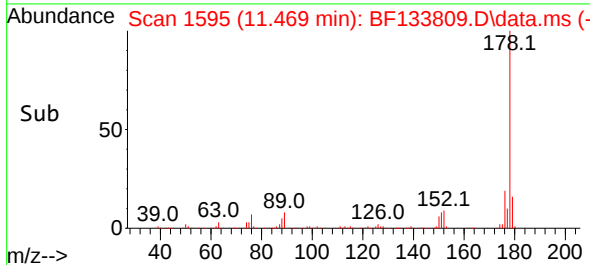
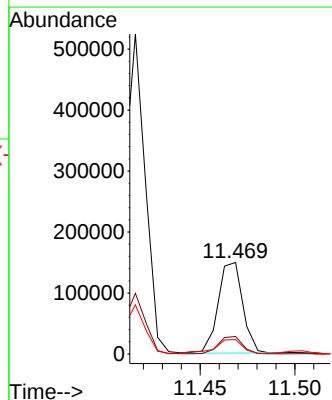
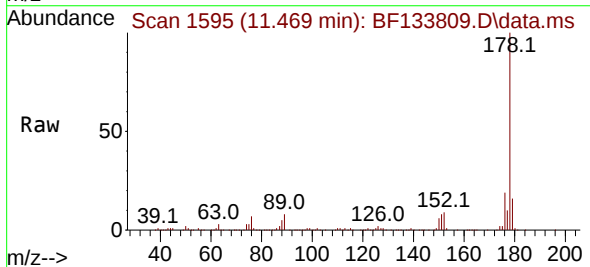
Instrument :
BNA_F
ClientSampleId :
OR-03-061323DL

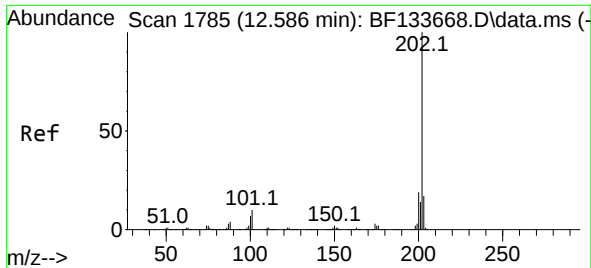
Tgt Ion:178 Resp: 410844
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 15.4 12.4 18.6



#72
Anthracene
Concen: 10.461 ng
RT: 11.469 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

Tgt Ion:178 Resp: 134708
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 15.7 12.6 18.8

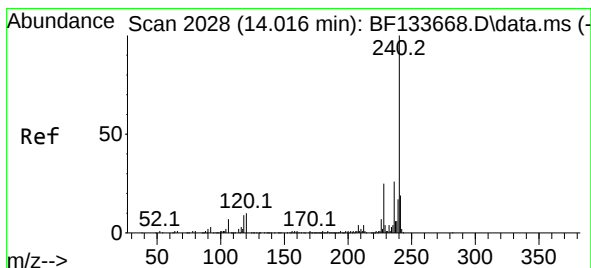
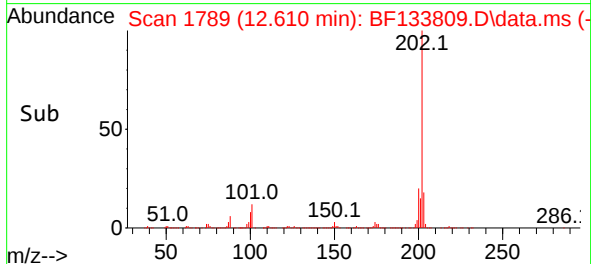
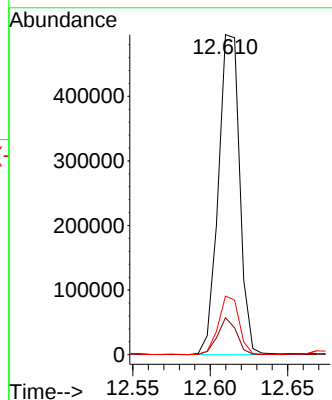
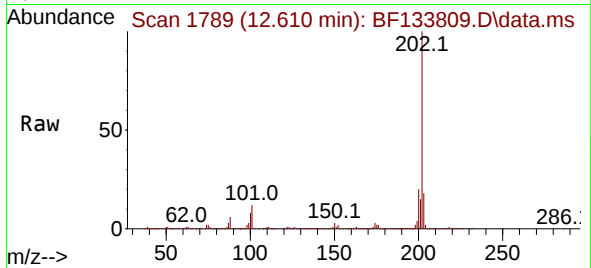




#75
Fluoranthene
Concen: 36.149 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

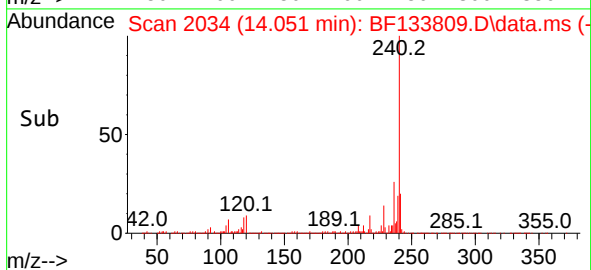
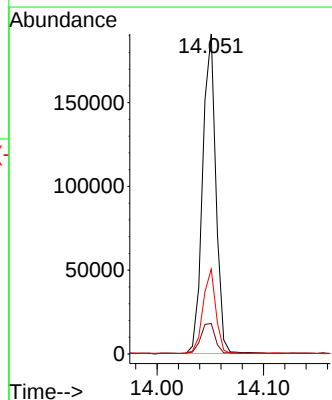
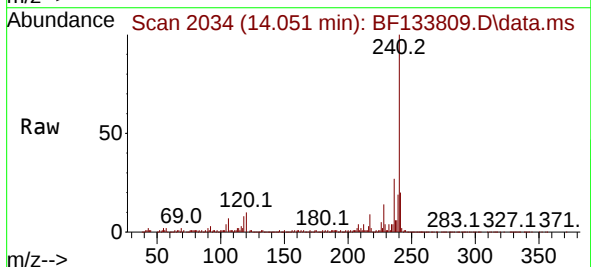
Instrument :
BNA_F
ClientSampleId :
OR-03-061323DL

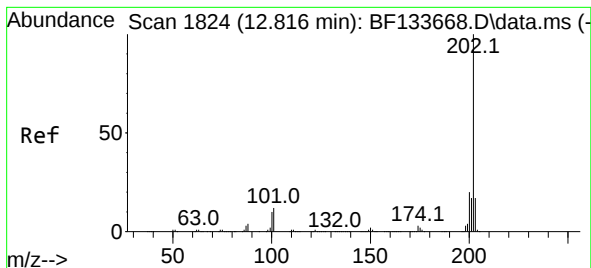
Tgt Ion:202 Resp: 474078
Ion Ratio Lower Upper
202 100
101 11.6 0.0 29.6
203 18.3 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

Tgt Ion:240 Resp: 165339
Ion Ratio Lower Upper
240 100
120 9.5 8.1 12.1
236 26.5 20.5 30.7





#78

Pyrene

Concen: 27.140 ng

RT: 12.845 min Scan# 1829

Delta R.T. 0.000 min

Lab File: BF133809.D

Acq: 16 Jun 2023 16:26

Instrument :

BNA_F

ClientSampleId :

OR-03-061323DL

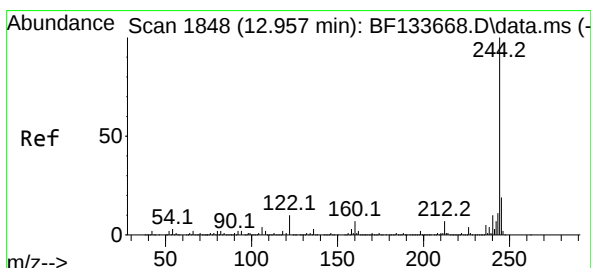
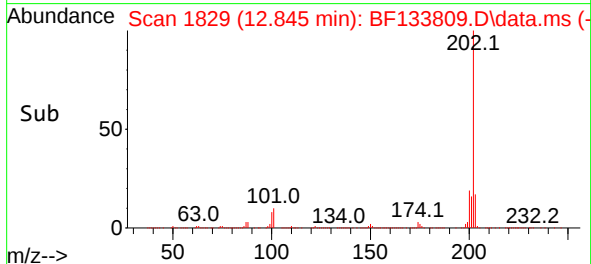
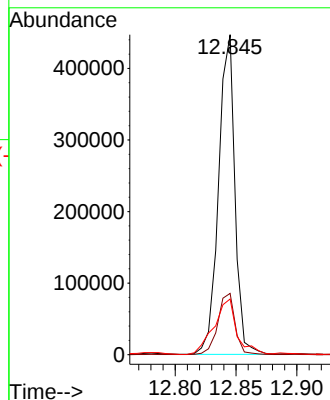
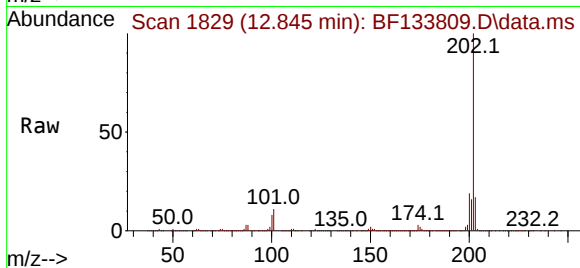
Tgt Ion:202 Resp: 418013

Ion Ratio Lower Upper

202 100

200 19.2 16.2 24.2

203 17.4 13.9 20.9



#79

Terphenyl-d14

Concen: 11.622 ng

RT: 12.986 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF133809.D

Acq: 16 Jun 2023 16:26

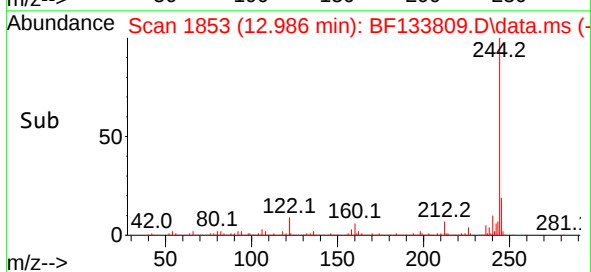
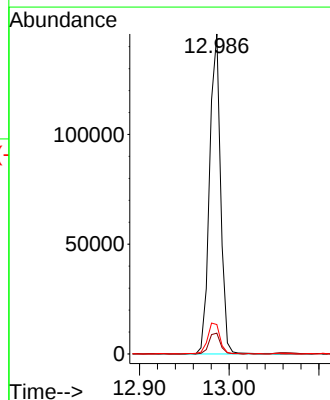
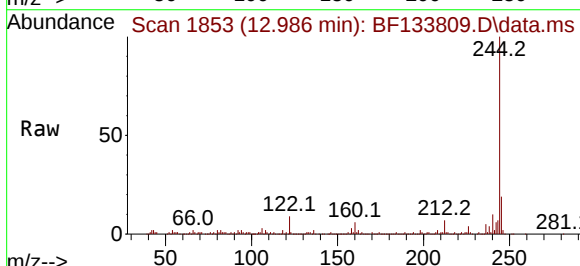
Tgt Ion:244 Resp: 124188

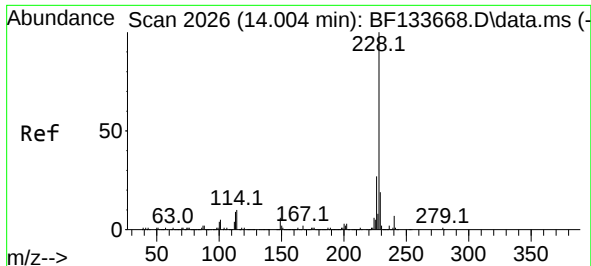
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

122 9.2 8.1 12.1

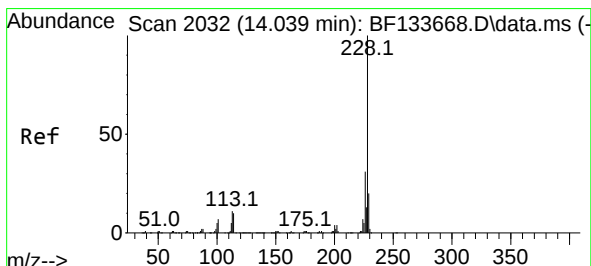
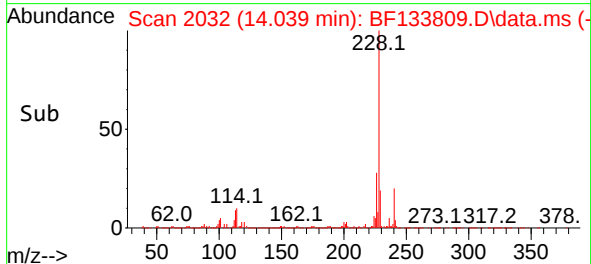
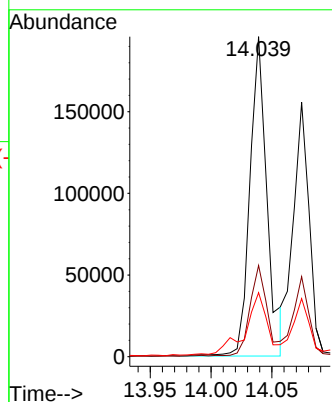
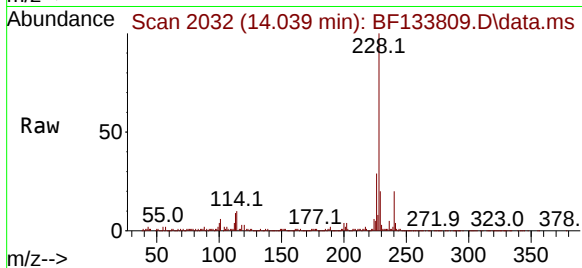




#81
Benzo(a)anthracene
Concen: 16.686 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

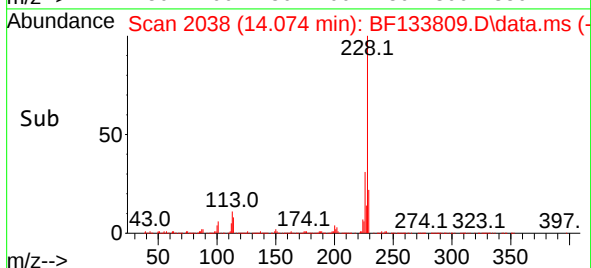
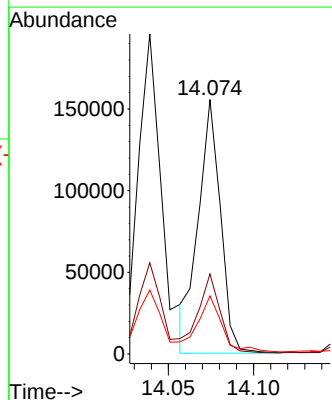
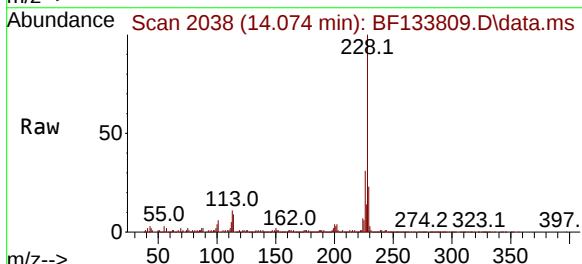
Instrument :
BNA_F
ClientSampleId :
OR-03-061323DL

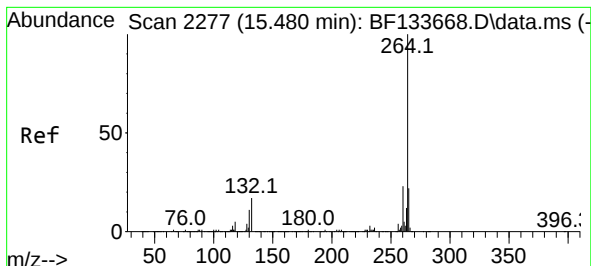
Tgt Ion:228 Resp: 190832
Ion Ratio Lower Upper
228 100
226 28.5 21.7 32.5
229 20.0 15.4 23.2



#83
Chrysene
Concen: 13.079 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

Tgt Ion:228 Resp: 141472
Ion Ratio Lower Upper
228 100
226 31.5 25.0 37.6
229 22.8 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133809.D

Acq: 16 Jun 2023 16:26

Instrument :

BNA_F

ClientSampleId :

OR-03-061323DL

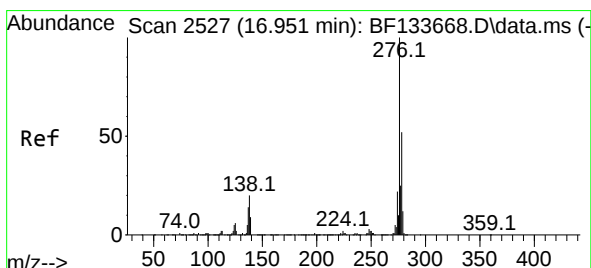
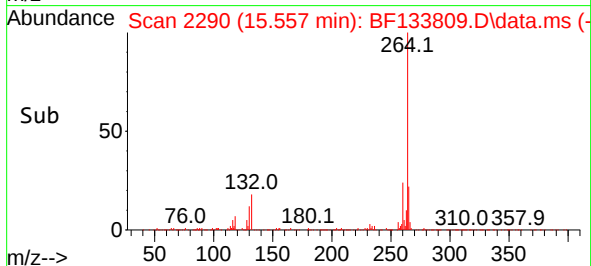
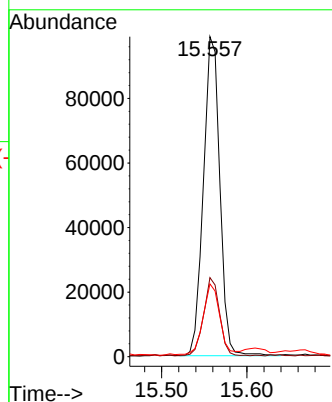
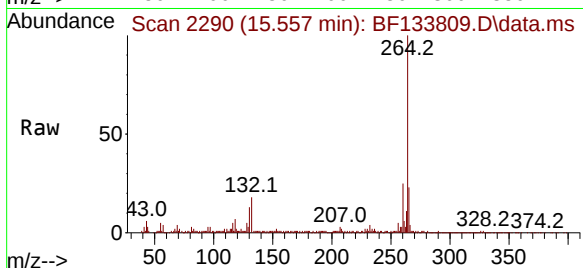
Tgt Ion:264 Resp: 132530

Ion Ratio Lower Upper

264 100

260 24.7 18.2 27.2

265 22.7 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.802 ng

RT: 17.104 min Scan# 2553

Delta R.T. -0.012 min

Lab File: BF133809.D

Acq: 16 Jun 2023 16:26

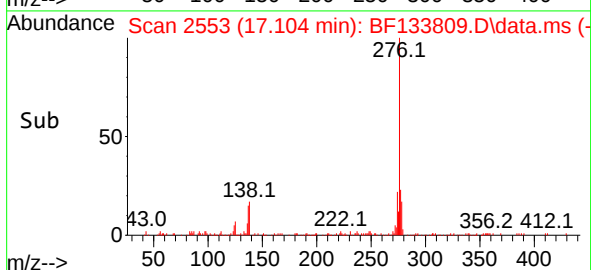
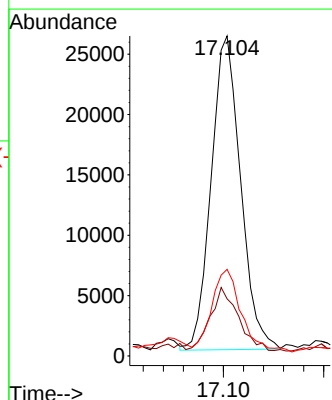
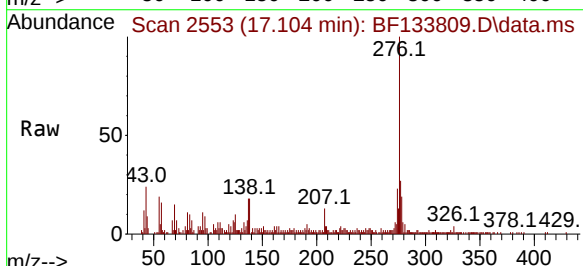
Tgt Ion:276 Resp: 52903

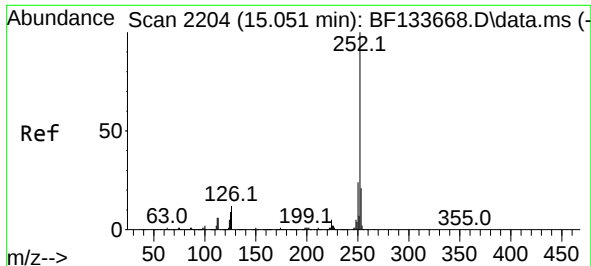
Ion Ratio Lower Upper

276 100

138 19.0 17.9 26.9

277 26.5 20.3 30.5

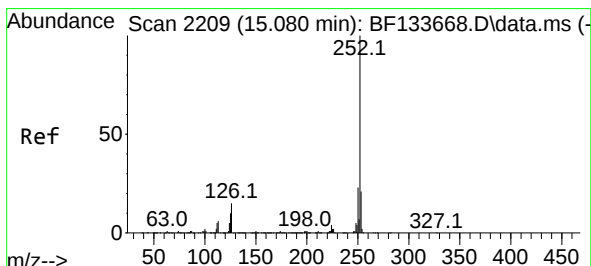
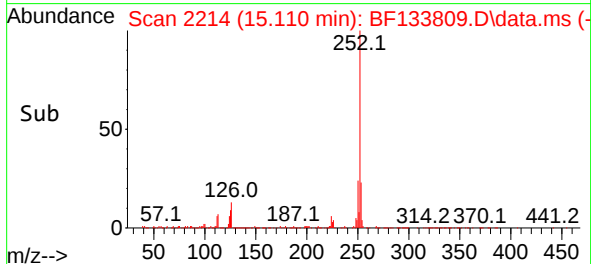
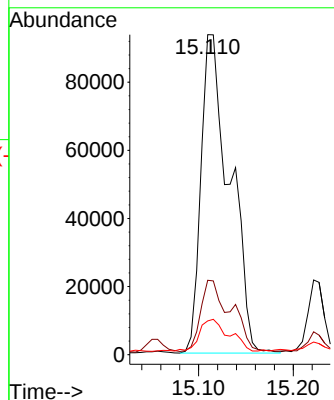
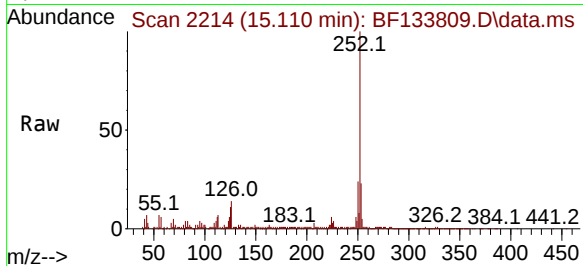




#88
Benzo(b)fluoranthene
Concen: 24.567 ng
RT: 15.110 min Scan# 2214
Delta R.T. -0.006 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

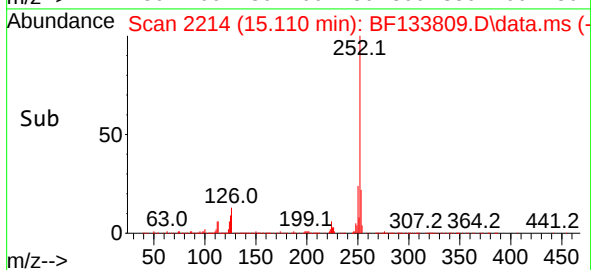
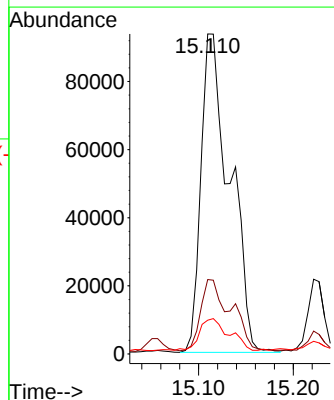
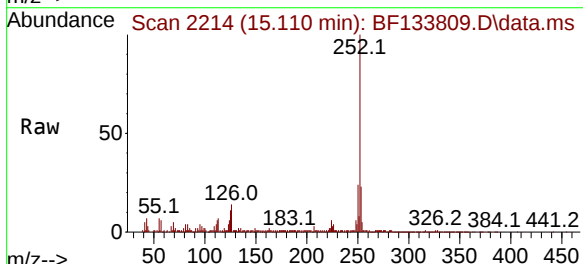
Instrument :
BNA_F
ClientSampleId :
OR-03-061323DL

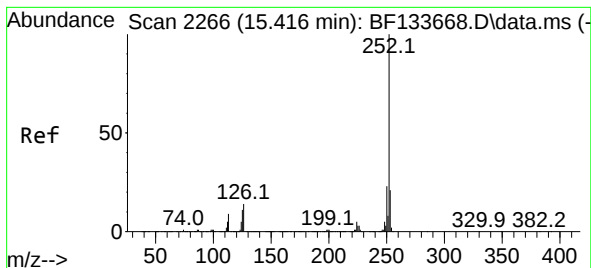
Tgt Ion:252 Resp: 197784
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.6
125 10.6 7.3 10.9



#89
Benzo(k)fluoranthene
Concen: 25.220 ng
RT: 15.110 min Scan# 2214
Delta R.T. -0.035 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

Tgt Ion:252 Resp: 197784
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.4
125 10.6 7.8 11.6





#90

Benzo(a)pyrene

Concen: 14.377 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133809.D

Acq: 16 Jun 2023 16:26

Instrument :

BNA_F

ClientSampleId :

OR-03-061323DL

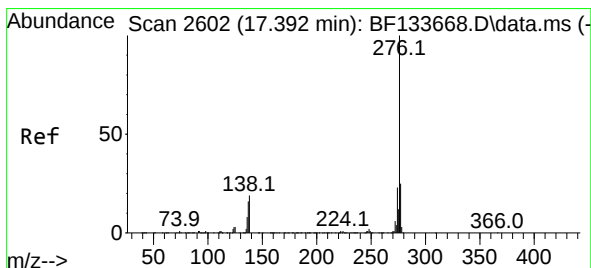
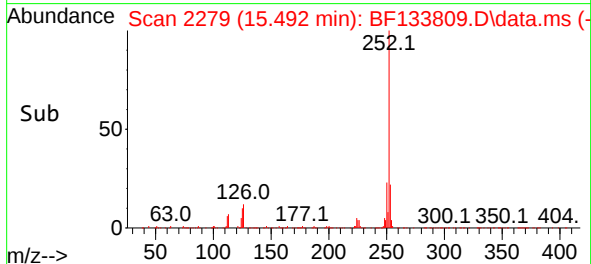
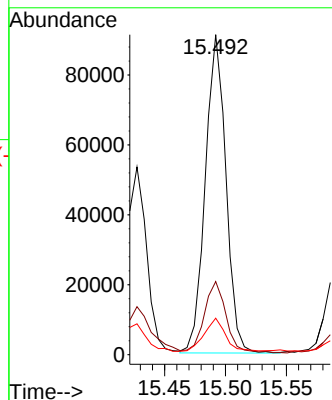
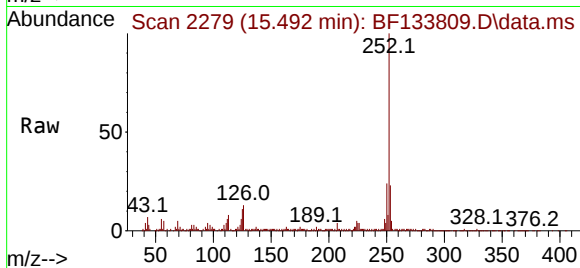
Tgt Ion:252 Resp: 107417

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

125 11.4 8.6 13.0



#92

Benzo(g,h,i)perylene

Concen: 6.577 ng

RT: 17.574 min Scan# 2633

Delta R.T. -0.018 min

Lab File: BF133809.D

Acq: 16 Jun 2023 16:26

Tgt Ion:276 Resp: 49223

Ion Ratio Lower Upper

276 100

277 25.0 19.8 29.8

138 24.0 15.0 22.4#

