

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102422\
 Data File : BF130761.D
 Acq On : 24 Oct 2022 14:58
 Operator : CG\JU
 Sample : N5209-01DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101922DL

Quant Time: Oct 24 17:31:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 21 06:12:36 2022
 Response via : Initial Calibration

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

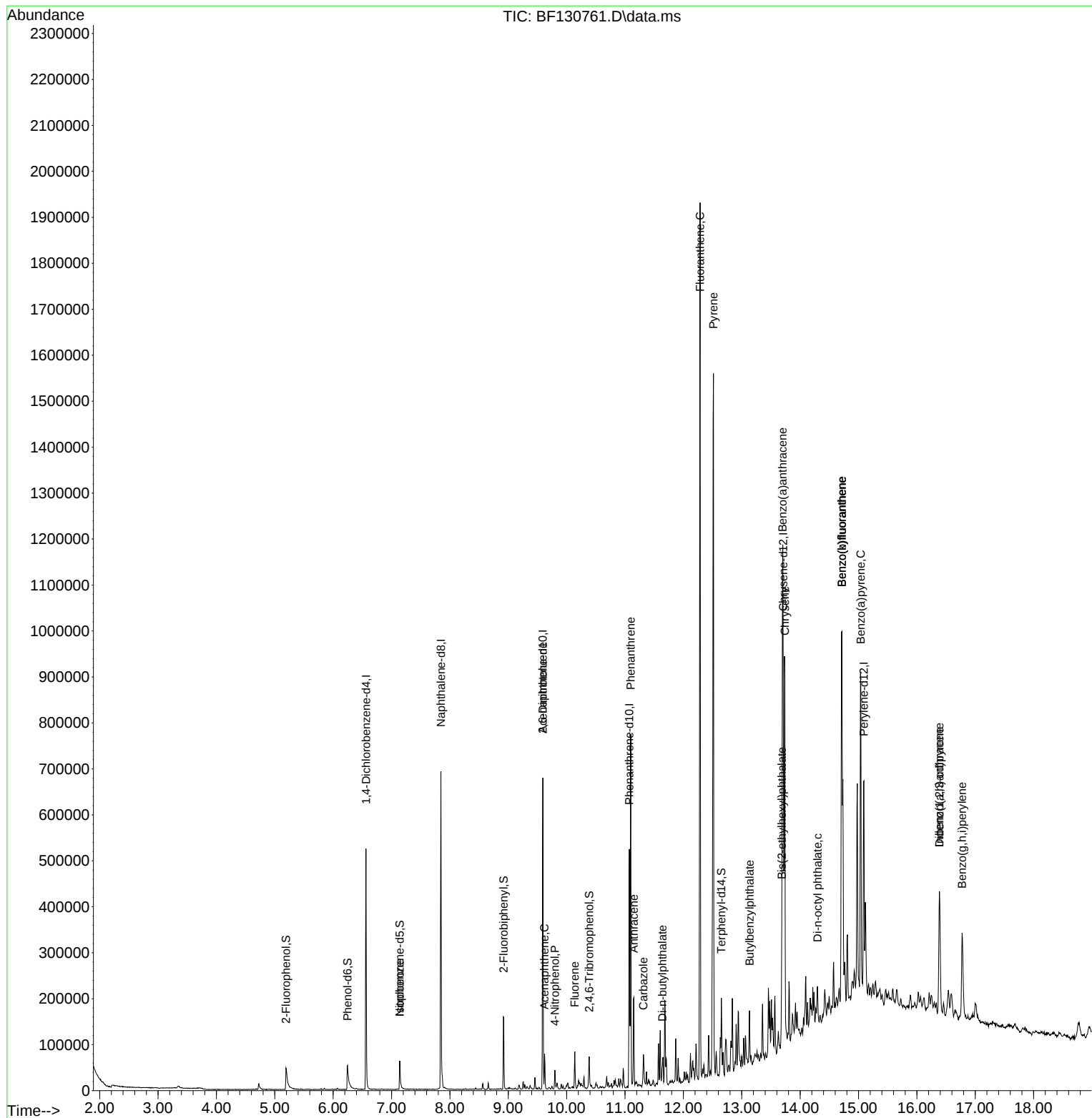
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.563	152	75999	20.000	ng	0.00
21) Naphthalene-d8	7.845	136	278716	20.000	ng	0.00
39) Acenaphthene-d10	9.592	164	126154	20.000	ng	0.00
64) Phenanthrene-d10	11.074	188	179272	20.000	ng	0.00
76) Chrysene-d12	13.710	240	178351	20.000	ng	0.00
86) Perylene-d12	15.092	264	194718	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.192	112	32264	7.321	ng	0.03
7) Phenol-d6	6.245	99	41422	7.768	ng	0.02
23) Nitrobenzene-d5	7.139	82	26188	4.984	ng	0.00
42) 2,4,6-Tribromophenol	10.386	330	6883	5.737	ng	0.00
45) 2-Fluorobiphenyl	8.922	172	52059	6.289	ng	0.00
79) Terphenyl-d14	12.651	244	49444	4.672	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.139	82	26188	3.025	ng	# 65
51) 2,6-Dinitrotoluene	9.592	165	16957	8.924	ng	# 30
52) Acenaphthene	9.622	154	14788	2.207	ng	93
56) 4-Nitrophenol	9.798	139	5379	17.348	ng	# 7
58) Fluorene	10.139	166	21708	2.530	ng	96
71) Phenanthrene	11.098	178	259538	26.401	ng	99
72) Anthracene	11.151	178	79750	8.129	ng	99
73) Carbazole	11.316	167	31587	3.487	ng	96
74) Di-n-butylphthalate	11.639	149	22723	2.040	ng	97
75) Fluoranthene	12.286	202	718783	72.323	ng	99
77) Benzidine	12.468	184	58	Below Cal		# 66
78) Pyrene	12.515	202	657007	43.887	ng	100
80) Butylbenzylphthalate	13.133	149	25592	4.308	ng	99
81) Benzo(a)anthracene	13.698	228	395870	33.219	ng	99
83) Chrysene	13.739	228	335741	29.077	ng	98
84) Bis(2-ethylhexyl)phtha...	13.686	149	33453	4.754	ng	# 99
85) Di-n-octyl phthalate	14.298	149	30008	3.235	ng	# 91
87) Indeno(1,2,3-cd)pyrene	16.386	276	160674	11.505	ng	95
88) Benzo(b)fluoranthene	14.715	252	579623	44.707	ng	# 97
89) Benzo(k)fluoranthene	14.715	252	579623	44.499	ng	98
90) Benzo(a)pyrene	15.039	252	308906	29.665	ng	98
91) Dibenzo(a,h)anthracene	16.386	278	39626	3.434	ng	# 83
92) Benzo(g,h,i)perylene	16.774	276	140614	12.150	ng	99

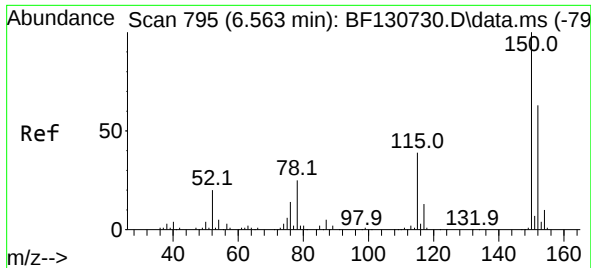
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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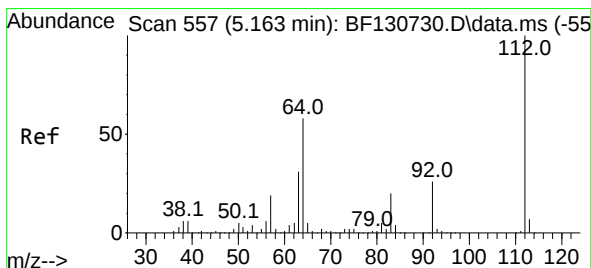
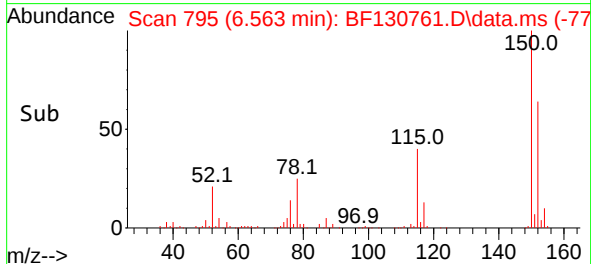
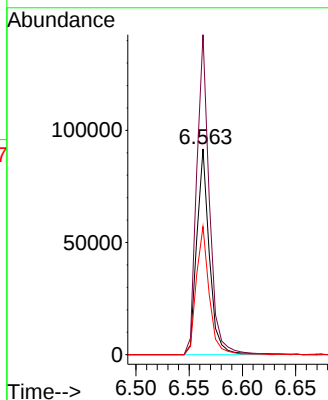
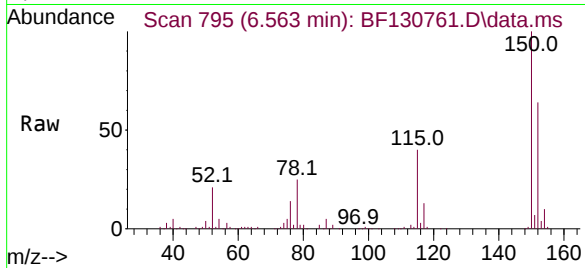




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.563 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF130761.D
Acq: 24 Oct 2022 14:58

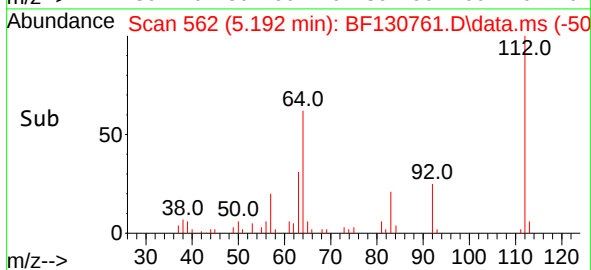
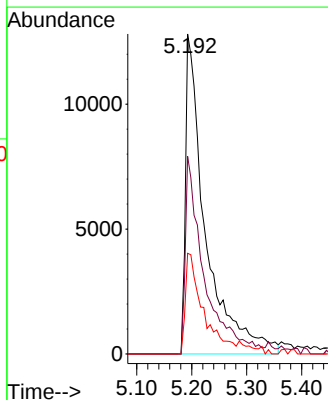
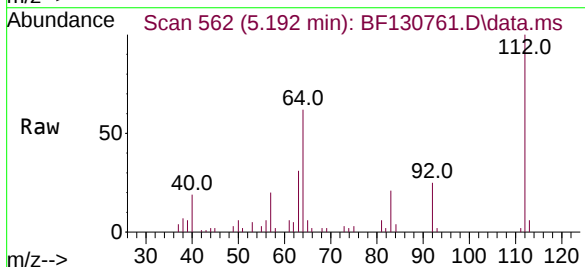
Instrument :
BNA_F
ClientSampleId :
CL-02-101922DL

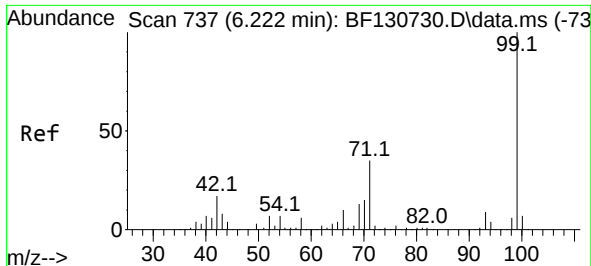
Tgt Ion:152 Resp: 75999
Ion Ratio Lower Upper
152 100
150 155.5 127.0 190.6
115 62.3 49.9 74.9



#5
2-Fluorophenol
Concen: 7.321 ng
RT: 5.192 min Scan# 562
Delta R.T. 0.029 min
Lab File: BF130761.D
Acq: 24 Oct 2022 14:58

Tgt Ion:112 Resp: 32264
Ion Ratio Lower Upper
112 100
64 61.7 46.2 69.4
63 31.5 25.1 37.7

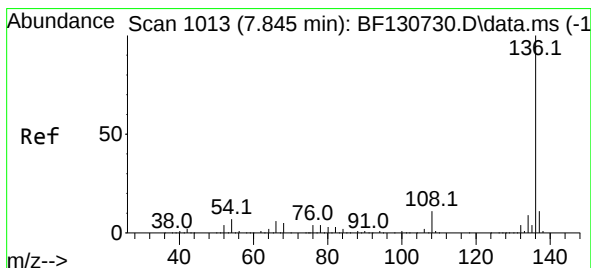
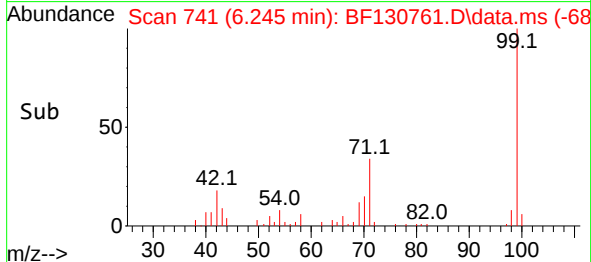
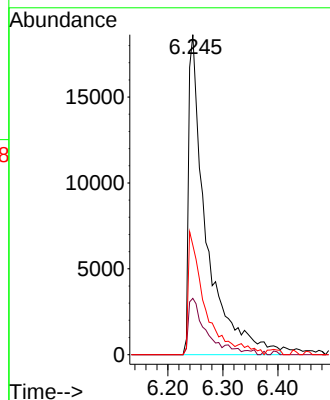
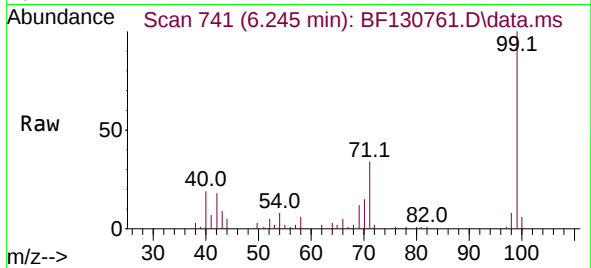




#7
Phenol-d6
Concen: 7.768 ng
RT: 6.245 min Scan# 741
Delta R.T. 0.023 min
Lab File: BF130761.D
Acq: 24 Oct 2022 14:58

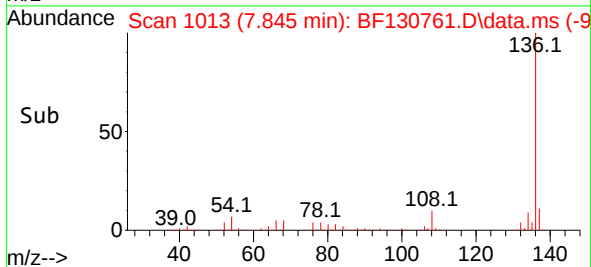
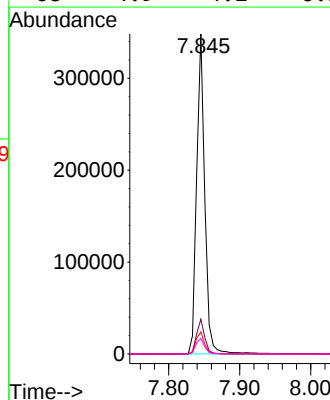
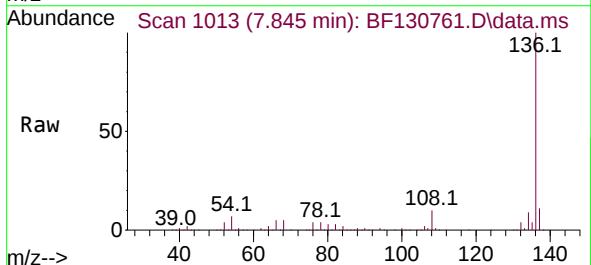
Instrument :
BNA_F
ClientSampleId :
CL-02-101922DL

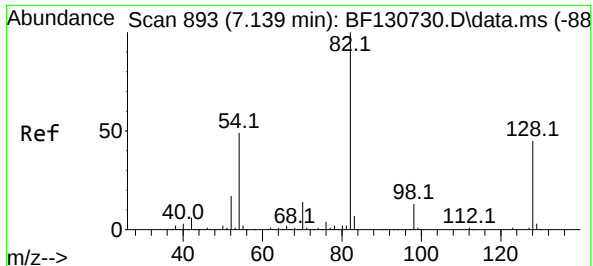
Tgt Ion: 99 Resp: 41422
Ion Ratio Lower Upper
99 100
42 17.6 13.8 20.8
71 34.2 28.3 42.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.845 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF130761.D
Acq: 24 Oct 2022 14:58

Tgt Ion: 136 Resp: 278716
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 6.9 5.8 8.8
68 4.9 4.2 6.2





#23

Nitrobenzene-d5

Concen: 4.984 ng

RT: 7.139 min Scan# 893

Delta R.T. 0.000 min

Lab File: BF130761.D

Acq: 24 Oct 2022 14:58

Instrument :

BNA_F

ClientSampleId :

CL-02-101922DL

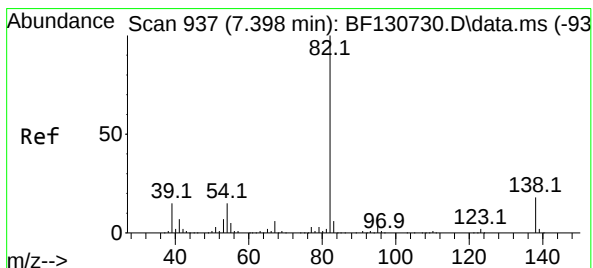
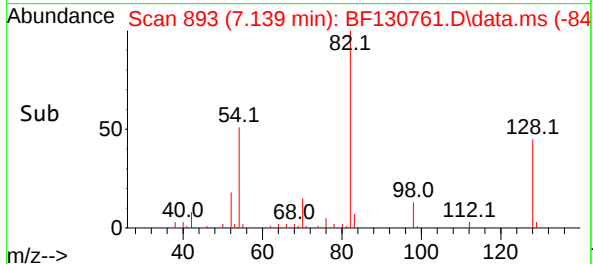
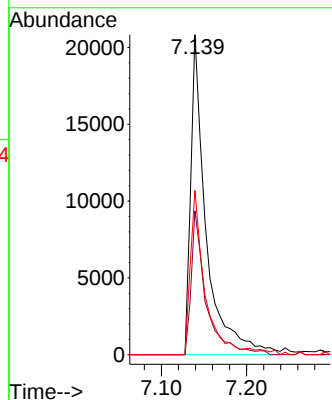
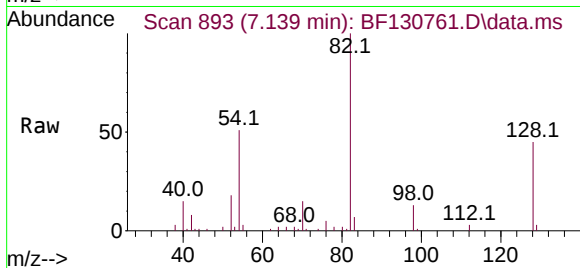
Tgt Ion: 82 Resp: 26188

Ion Ratio Lower Upper

82 100

128 45.0 35.9 53.9

54 51.3 39.2 58.8



#25

Isophorone

Concen: 3.025 ng

RT: 7.139 min Scan# 893

Delta R.T. -0.259 min

Lab File: BF130761.D

Acq: 24 Oct 2022 14:58

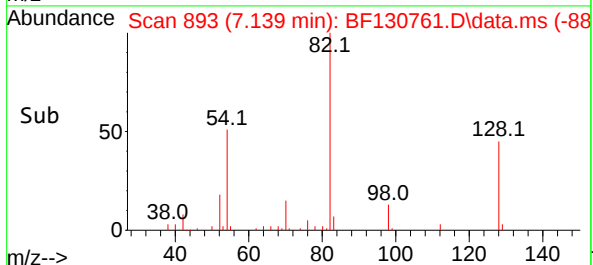
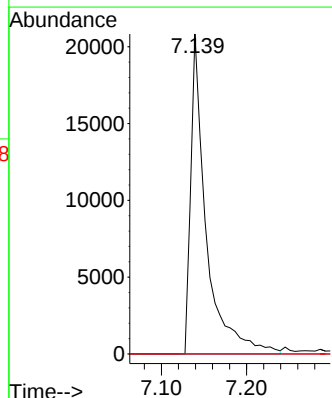
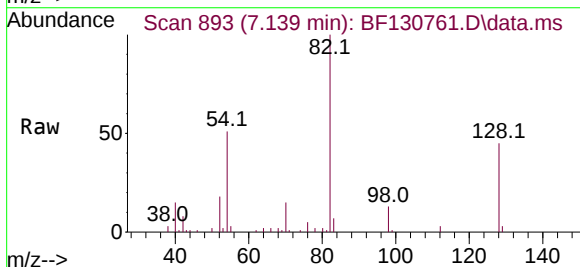
Tgt Ion: 82 Resp: 26188

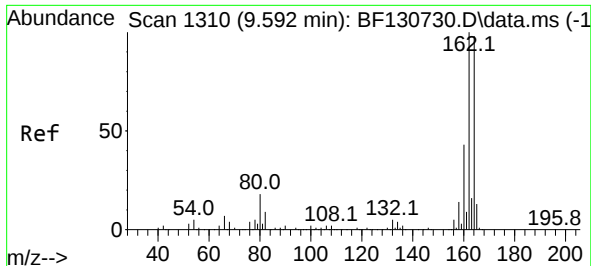
Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

138 0.0 14.6 21.8#

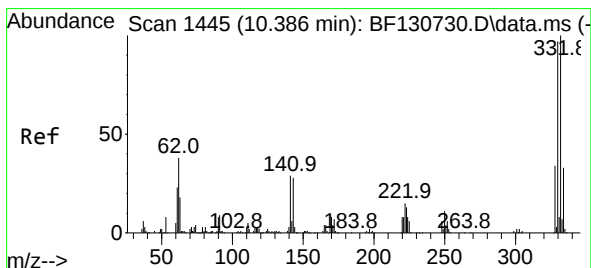
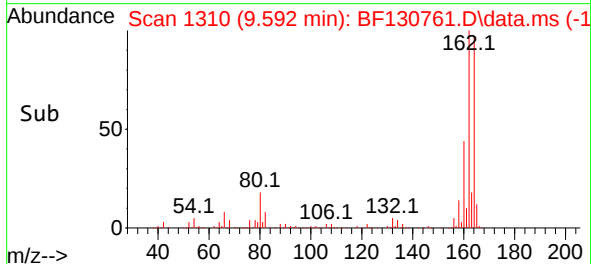
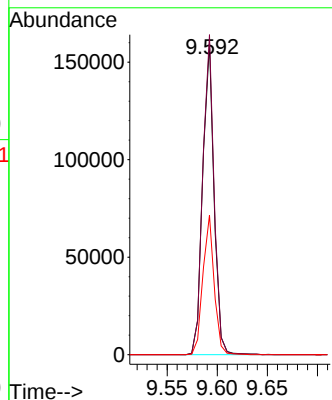
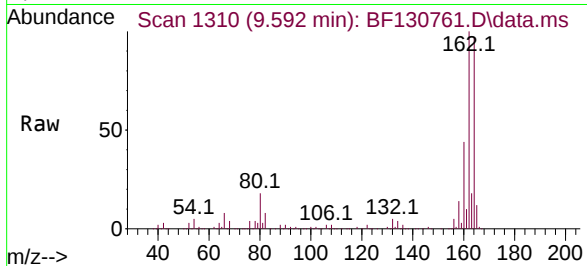




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.592 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130761.D
Acq: 24 Oct 2022 14:58

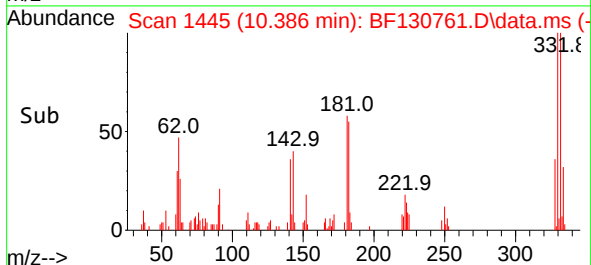
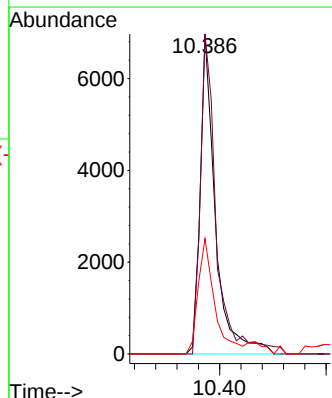
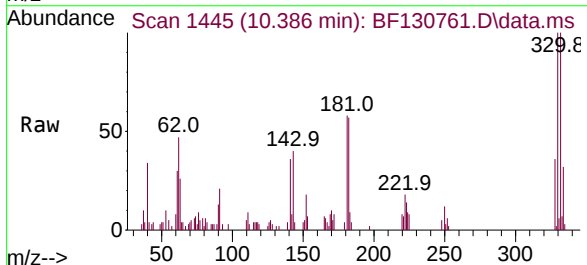
Instrument :
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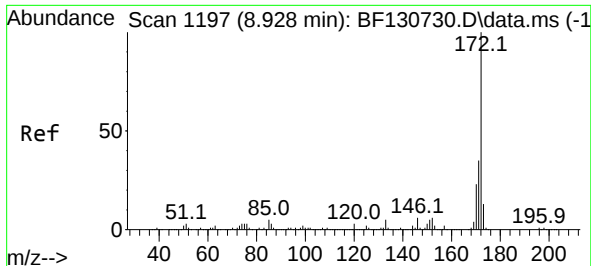
Tgt Ion:164 Resp: 126154
Ion Ratio Lower Upper
164 100
162 102.8 81.4 122.0
160 44.8 35.0 52.4



#42
2,4,6-Tribromophenol
Concen: 5.737 ng
RT: 10.386 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BF130761.D
Acq: 24 Oct 2022 14:58

Tgt Ion:330 Resp: 6883
Ion Ratio Lower Upper
330 100
332 105.1 81.4 122.2
141 39.4 24.6 37.0#





#45

2-Fluorobiphenyl

Concen: 6.289 ng

RT: 8.922 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF130761.D

Acq: 24 Oct 2022 14:58

Instrument :

BNA_F

ClientSampleId :

CL-02-101922DL

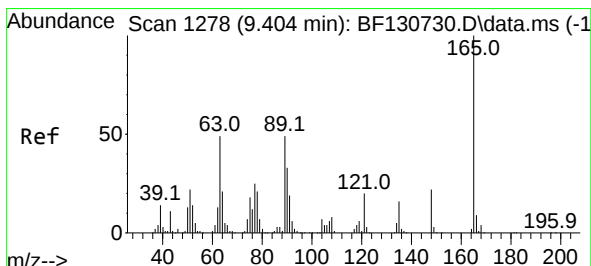
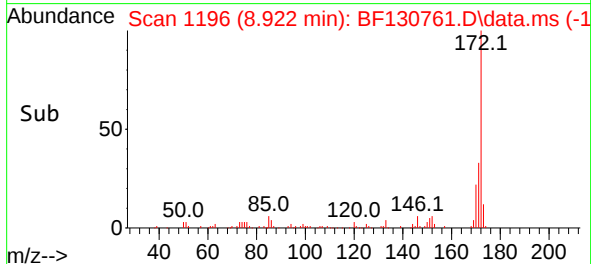
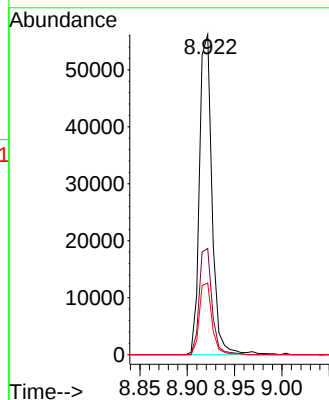
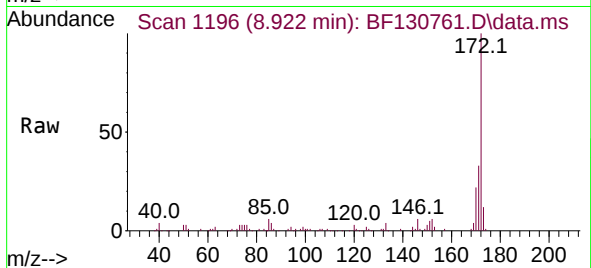
Tgt Ion:172 Resp: 52059

Ion Ratio Lower Upper

172 100

171 33.2 28.2 42.2

170 22.4 18.5 27.7



#51

2,6-Dinitrotoluene

Concen: 8.924 ng

RT: 9.592 min Scan# 1310

Delta R.T. 0.188 min

Lab File: BF130761.D

Acq: 24 Oct 2022 14:58

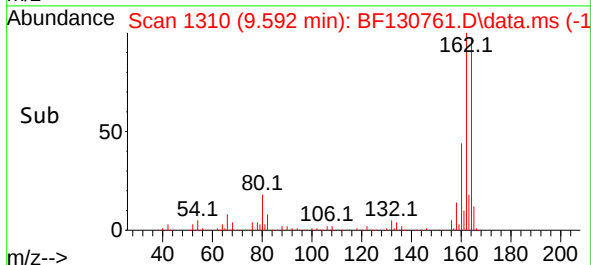
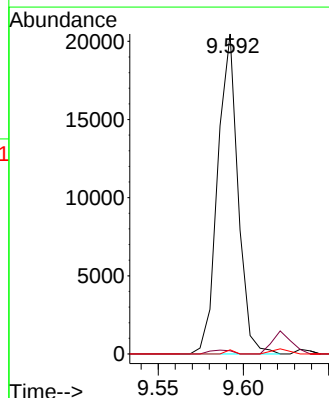
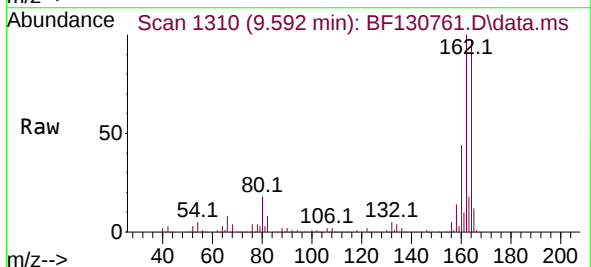
Tgt Ion:165 Resp: 16957

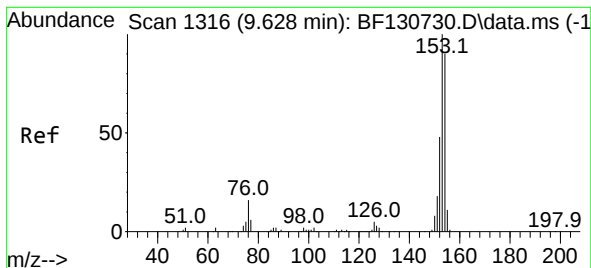
Ion Ratio Lower Upper

165 100

63 1.0 38.8 58.2#

89 1.3 39.4 59.2#





#52

Acenaphthene

Concen: 2.207 ng

RT: 9.622 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130761.D

Acq: 24 Oct 2022 14:58

Instrument :

BNA_F

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CL-02-101922DL

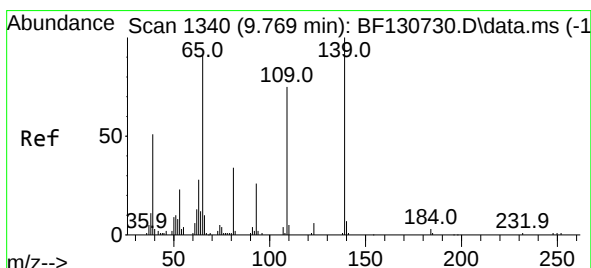
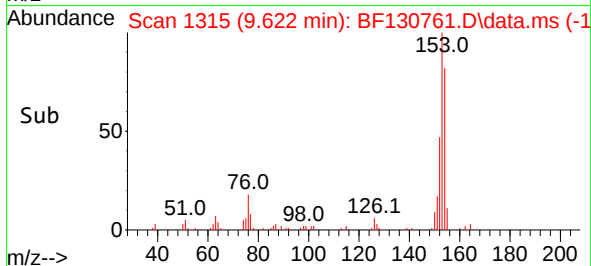
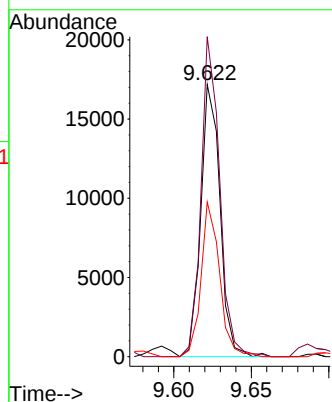
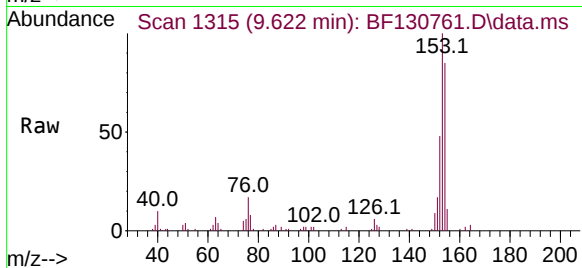
Tgt Ion:154 Resp: 14788

Ion Ratio Lower Upper

154 100

153 117.6 88.4 132.6

152 56.9 42.0 63.0



#56

4-Nitrophenol

Concen: 17.348 ng

RT: 9.798 min Scan# 1345

Delta R.T. 0.029 min

Lab File: BF130761.D

Acq: 24 Oct 2022 14:58

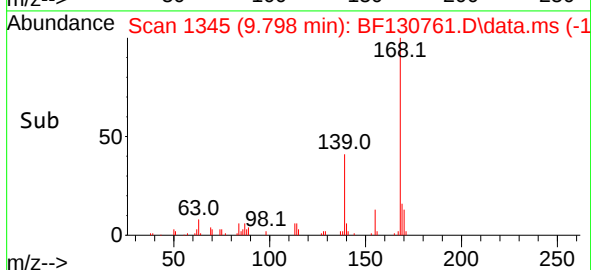
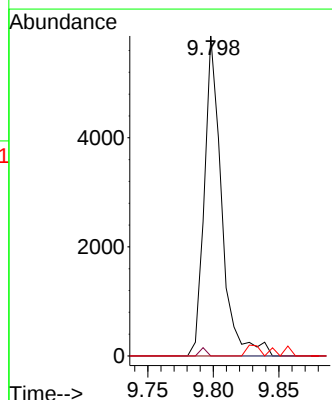
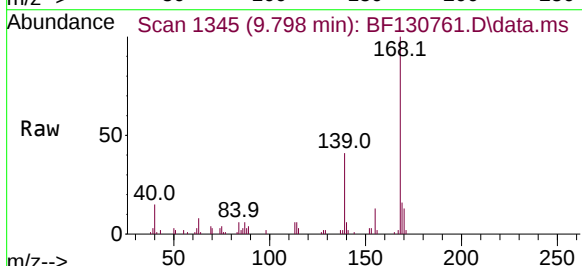
Tgt Ion:139 Resp: 5379

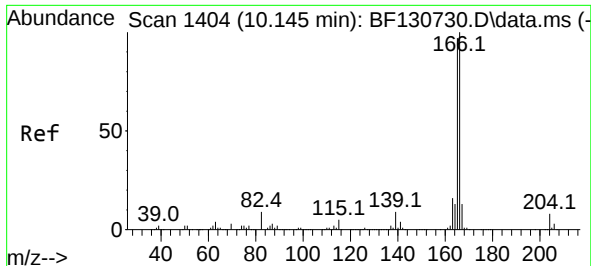
Ion Ratio Lower Upper

139 100

109 0.0 55.1 95.1#

65 0.0 72.2 112.2#

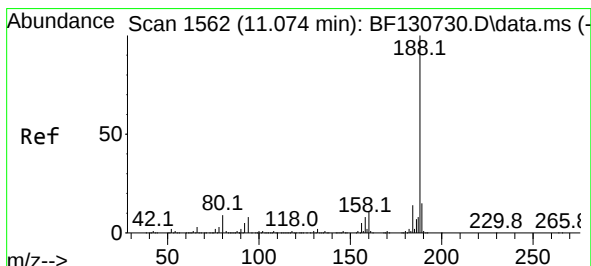
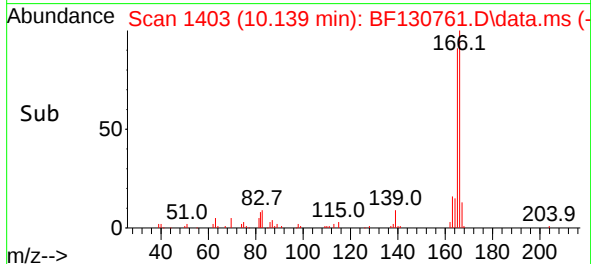
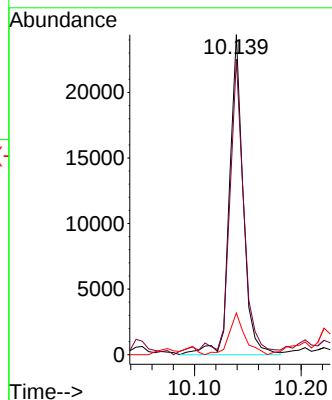
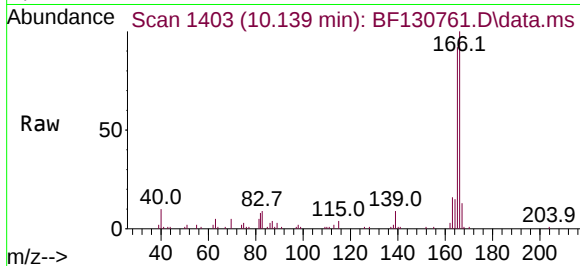




#58
 Fluorene
 Concen: 2.530 ng
 RT: 10.139 min Scan# 1403
 Delta R.T. -0.006 min
 Lab File: BF130761.D
 Acq: 24 Oct 2022 14:58

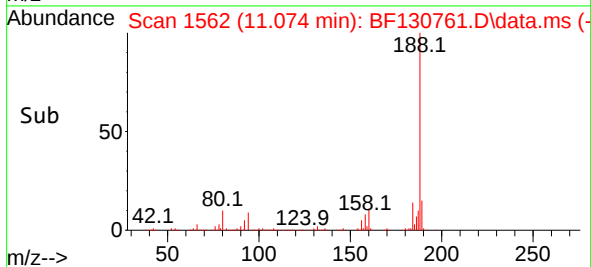
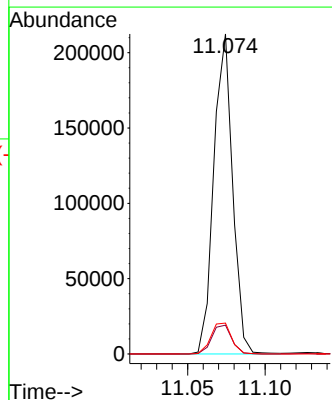
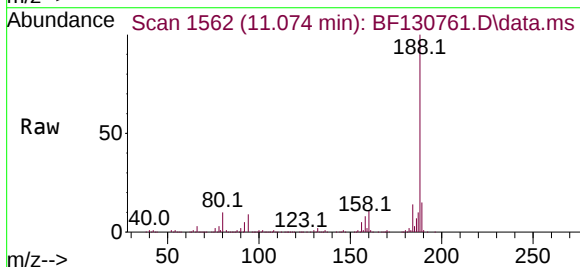
Instrument :
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 CL-02-101922DL

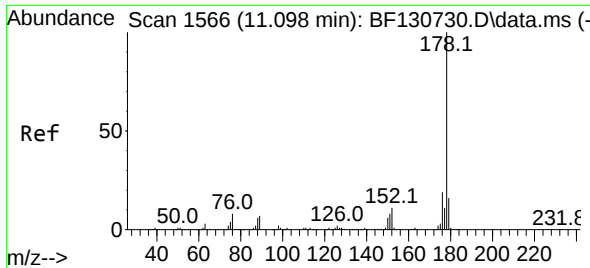
Tgt Ion:166 Resp: 21708
 Ion Ratio Lower Upper
 166 100
 165 92.4 77.6 116.4
 167 13.0 10.3 15.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.074 min Scan# 1562
 Delta R.T. -0.000 min
 Lab File: BF130761.D
 Acq: 24 Oct 2022 14:58

Tgt Ion:188 Resp: 179272
 Ion Ratio Lower Upper
 188 100
 94 9.0 6.7 10.1
 80 9.7 7.4 11.0

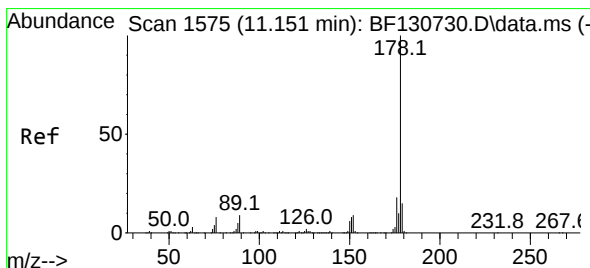
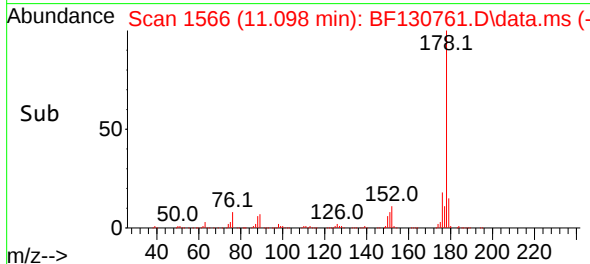
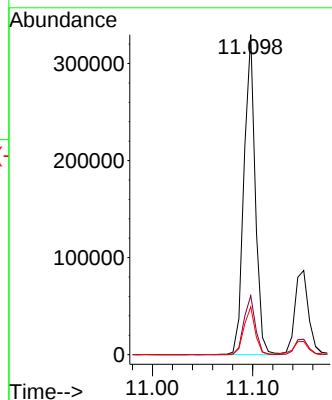
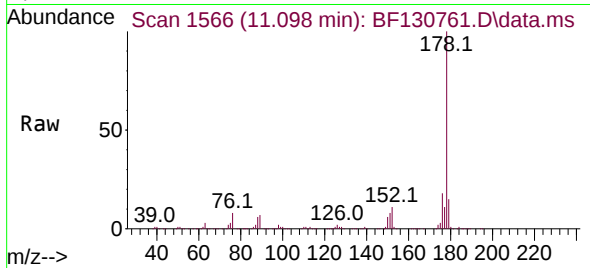




#71
Phenanthrene
Concen: 26.401 ng
RT: 11.098 min Scan# 1566
Delta R.T. -0.000 min
Lab File: BF130761.D
Acq: 24 Oct 2022 14:58

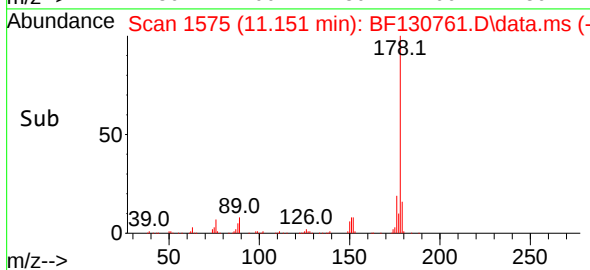
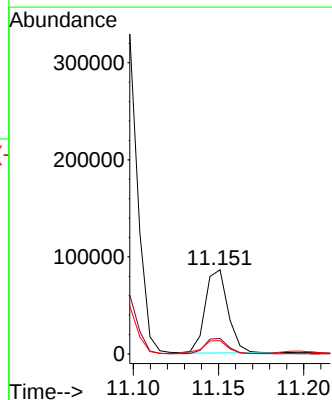
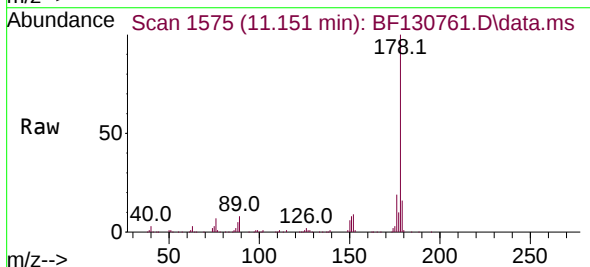
Instrument :
BNA_F
ClientSampleId :
CL-02-101922DL

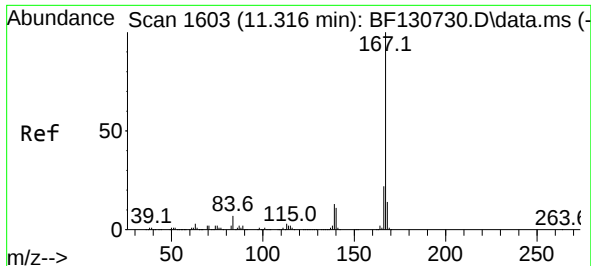
Tgt Ion:178 Resp: 259538
Ion Ratio Lower Upper
178 100
176 18.4 15.1 22.7
179 15.0 12.4 18.6



#72
Anthracene
Concen: 8.129 ng
RT: 11.151 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF130761.D
Acq: 24 Oct 2022 14:58

Tgt Ion:178 Resp: 79750
Ion Ratio Lower Upper
178 100
176 18.5 14.6 21.8
179 15.8 12.4 18.6

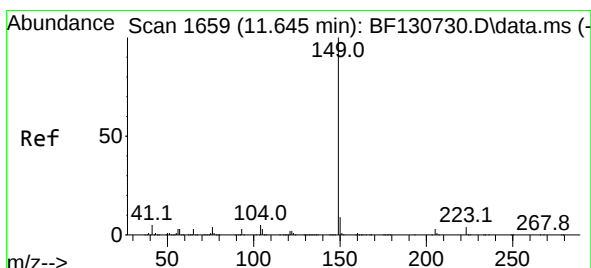
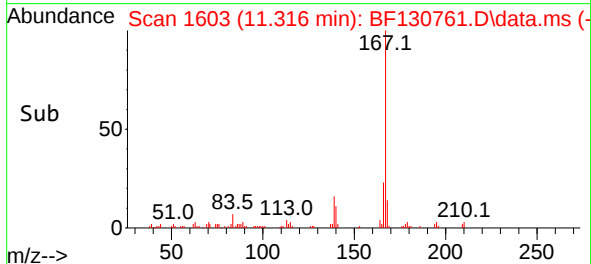
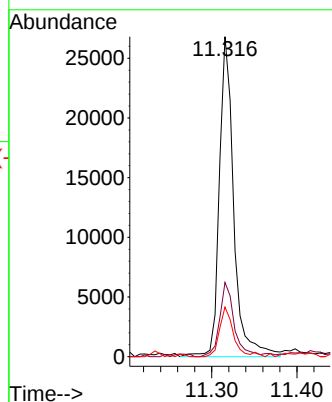
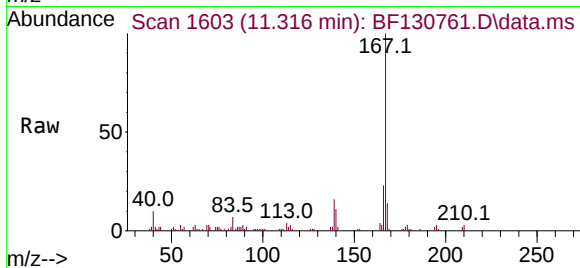




#73
 Carbazole
 Concen: 3.487 ng
 RT: 11.316 min Scan# 1603
 Delta R.T. -0.000 min
 Lab File: BF130761.D
 Acq: 24 Oct 2022 14:58

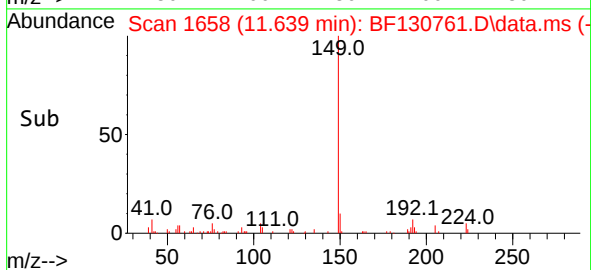
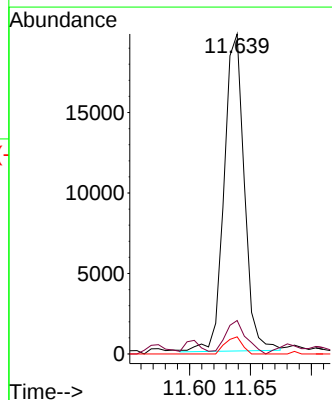
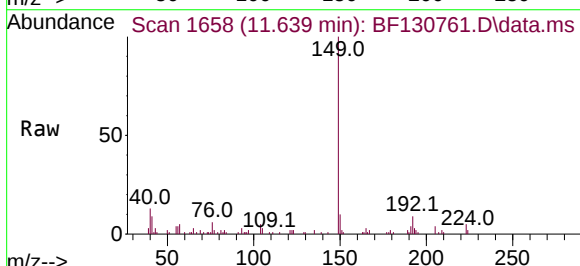
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101922DL

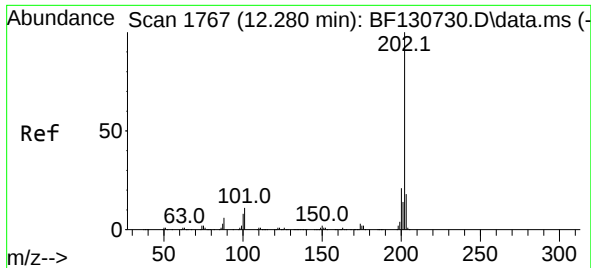
Tgt Ion:167	Resp:	31587	
Ion	Ratio	Lower	Upper
167	100		
166	23.2	17.3	25.9
139	15.5	10.7	16.1



#74
 Di-n-butylphthalate
 Concen: 2.040 ng
 RT: 11.639 min Scan# 1658
 Delta R.T. -0.006 min
 Lab File: BF130761.D
 Acq: 24 Oct 2022 14:58

Tgt Ion:149	Resp:	22723	
Ion	Ratio	Lower	Upper
149	100		
150	10.5	7.2	10.8
104	5.3	3.8	5.8

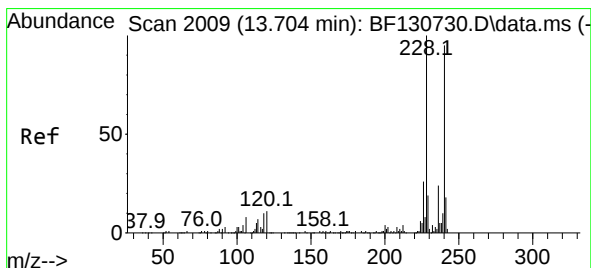
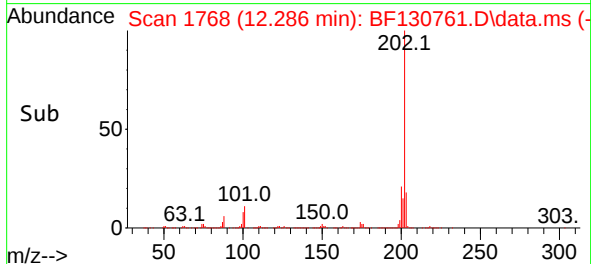
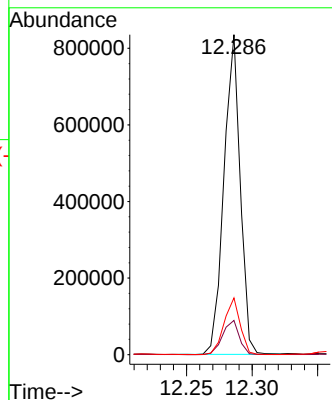
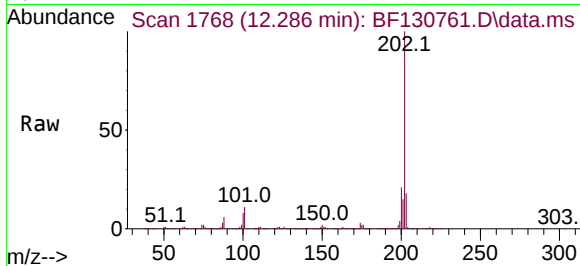




#75
Fluoranthene
Concen: 72.323 ng
RT: 12.286 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF130761.D
Acq: 24 Oct 2022 14:58

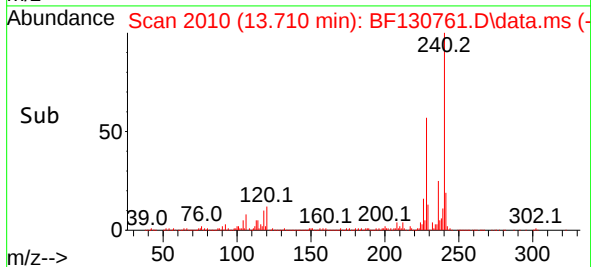
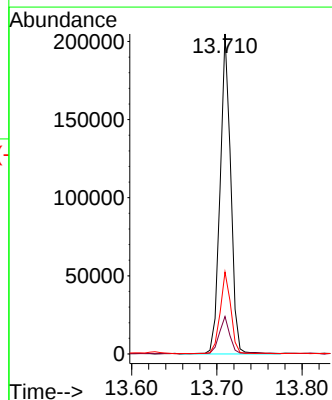
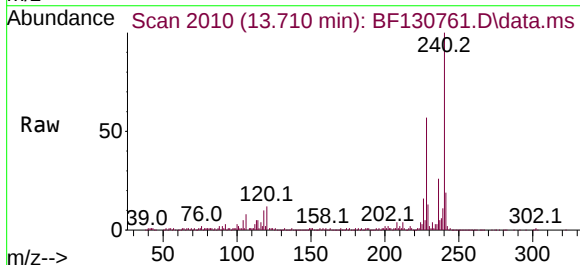
Instrument :
BNA_F
ClientSampleId :
CL-02-101922DL

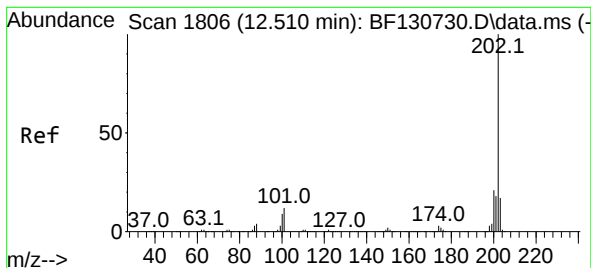
Tgt Ion:202 Resp: 718783
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.0
203 17.7 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.710 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BF130761.D
Acq: 24 Oct 2022 14:58

Tgt Ion:240 Resp: 178351
Ion Ratio Lower Upper
240 100
120 11.7 9.6 14.4
236 25.6 20.2 30.2





#78

Pyrene

Concen: 43.887 ng

RT: 12.515 min Scan# 1807

Delta R.T. 0.006 min

Lab File: BF130761.D

Acq: 24 Oct 2022 14:58

Instrument :

BNA_F

ClientSampleId :

CL-02-101922DL

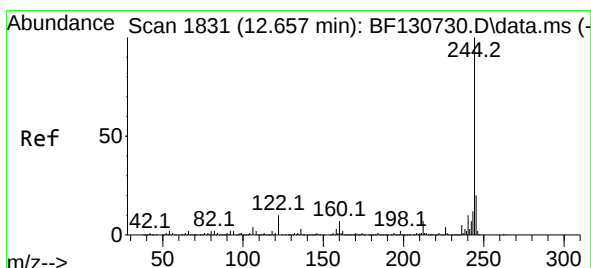
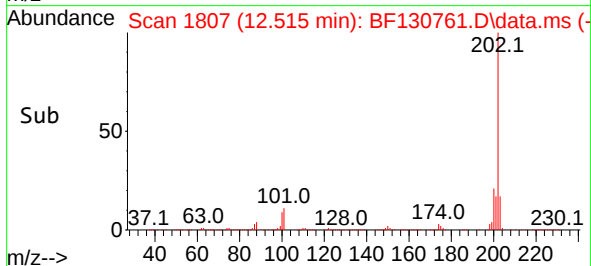
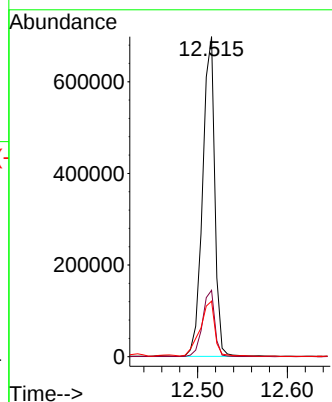
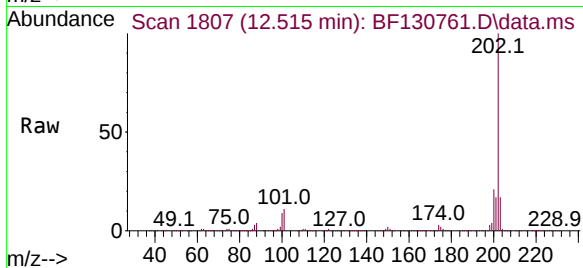
Tgt Ion:202 Resp: 657007

Ion Ratio Lower Upper

202 100

200 20.7 16.8 25.2

203 17.4 13.8 20.8



#79

Terphenyl-d14

Concen: 4.672 ng

RT: 12.651 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF130761.D

Acq: 24 Oct 2022 14:58

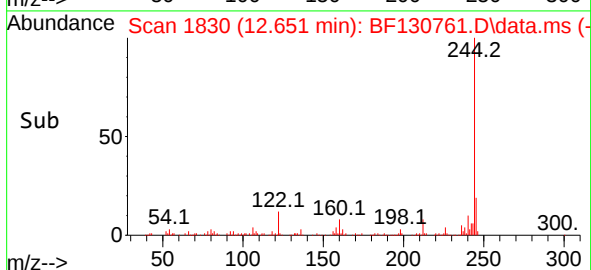
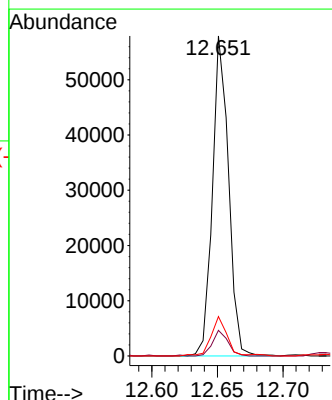
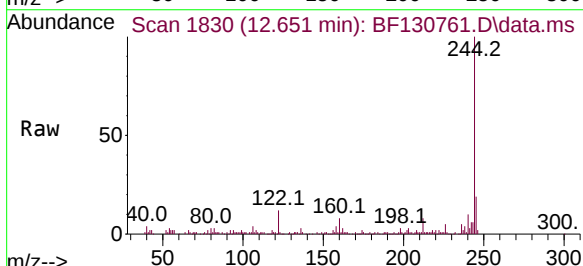
Tgt Ion:244 Resp: 49444

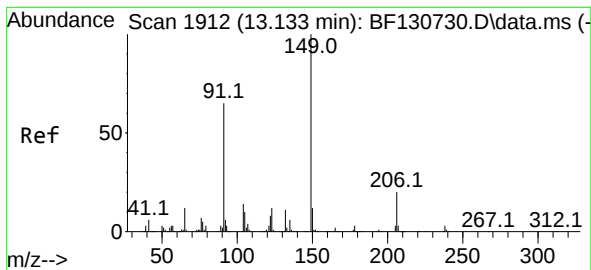
Ion Ratio Lower Upper

244 100

212 8.0 5.4 8.0

122 12.3 8.2 12.4

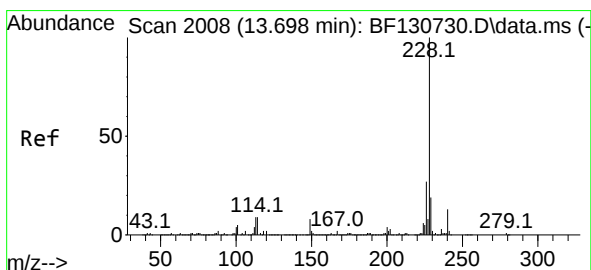
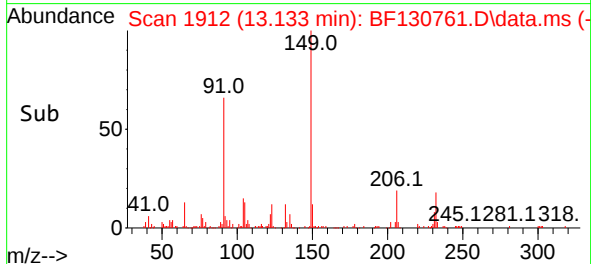
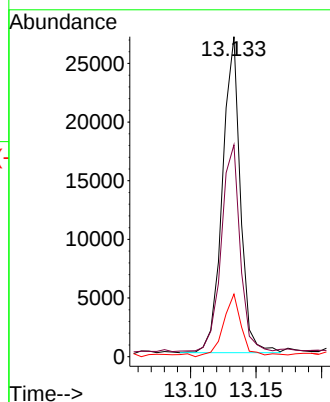
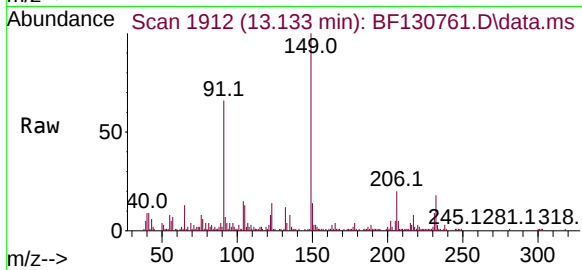




#80
Butylbenzylphthalate
Concen: 4.308 ng
RT: 13.133 min Scan# 1912
Delta R.T. -0.000 min
Lab File: BF130761.D
Acq: 24 Oct 2022 14:58

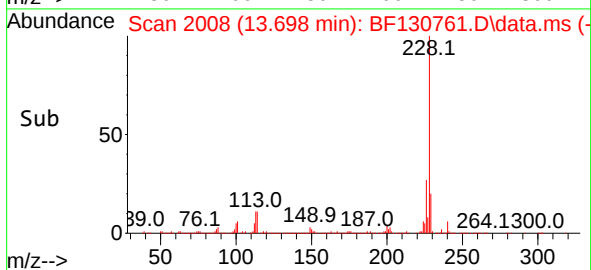
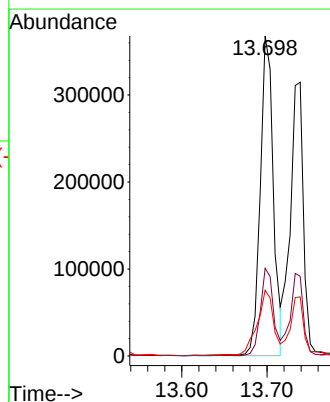
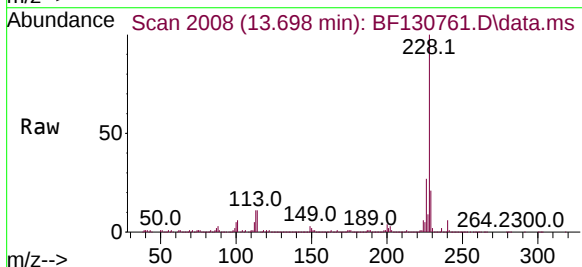
Instrument :
BNA_F
ClientSampleId :
CL-02-101922DL

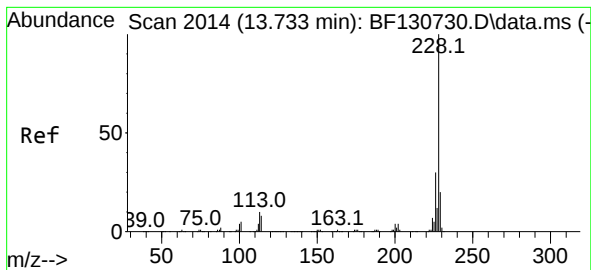
Tgt Ion:	149	Resp:	25592
Ion Ratio	Lower	Upper	
149	100		
91	66.2	52.3	78.5
206	19.5	16.3	24.5



#81
Benzo(a)anthracene
Concen: 33.219 ng
RT: 13.698 min Scan# 2008
Delta R.T. -0.000 min
Lab File: BF130761.D
Acq: 24 Oct 2022 14:58

Tgt Ion:	228	Resp:	395870
Ion Ratio	Lower	Upper	
228	100		
226	27.4	21.8	32.8
229	20.6	15.4	23.2





#83

Chrysene

Concen: 29.077 ng

RT: 13.739 min Scan# 2014

Delta R.T. 0.006 min

Lab File: BF130761.D

Acq: 24 Oct 2022 14:58

Instrument :

BNA_F

ClientSampleId :

CL-02-101922DL

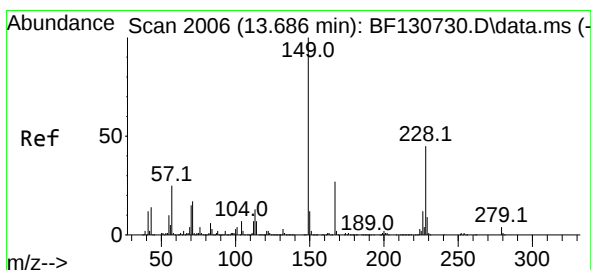
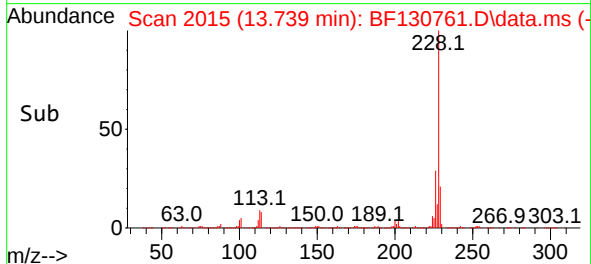
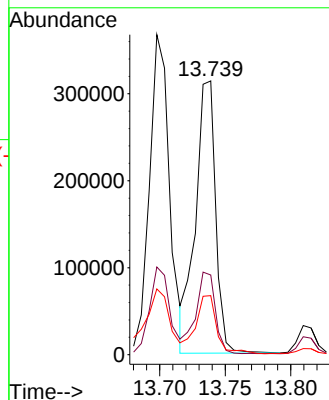
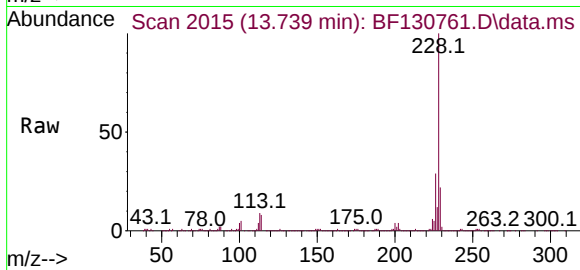
Tgt Ion:228 Resp: 335741

Ion Ratio Lower Upper

228 100

226 29.1 23.6 35.4

229 21.6 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.754 ng

RT: 13.686 min Scan# 2006

Delta R.T. -0.000 min

Lab File: BF130761.D

Acq: 24 Oct 2022 14:58

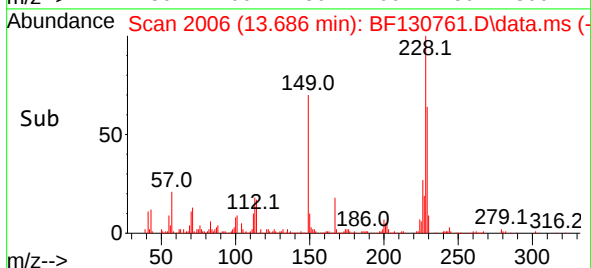
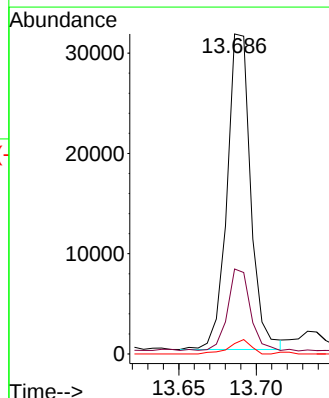
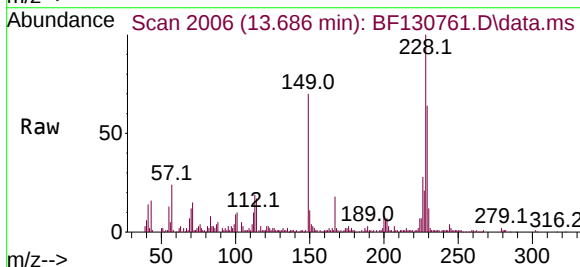
Tgt Ion:149 Resp: 33453

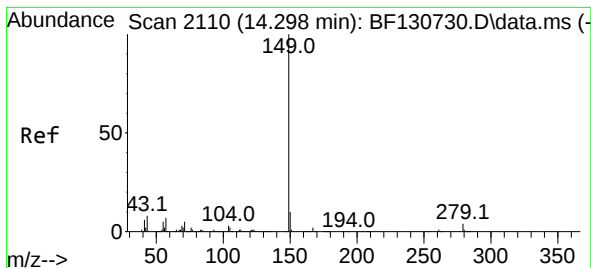
Ion Ratio Lower Upper

149 100

167 26.5 21.5 32.3

279 3.3 3.4 5.0#





#85

Di-n-octyl phthalate

Concen: 3.235 ng

RT: 14.298 min Scan# 2110

Delta R.T. -0.000 min

Lab File: BF130761.D

Acq: 24 Oct 2022 14:58

Instrument :

BNA_F

ClientSampleId :

CL-02-101922DL

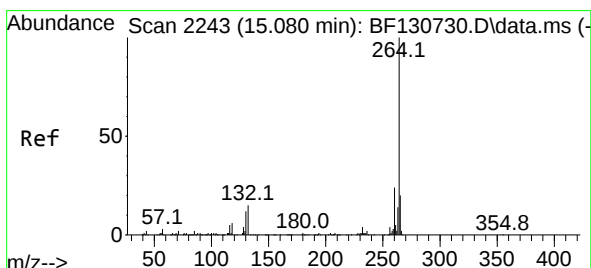
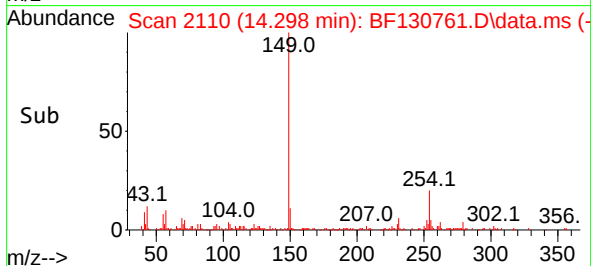
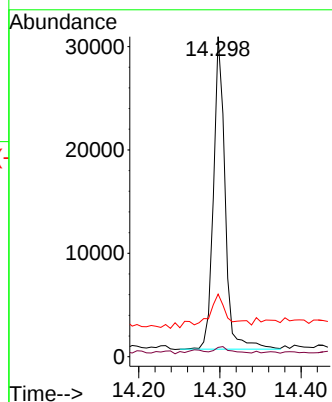
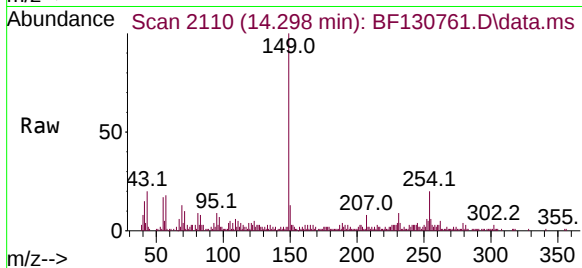
Tgt Ion:149 Resp: 30008

Ion Ratio Lower Upper

149 100

167 2.4 1.2 1.8#

43 12.4 7.0 10.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.092 min Scan# 2245

Delta R.T. 0.012 min

Lab File: BF130761.D

Acq: 24 Oct 2022 14:58

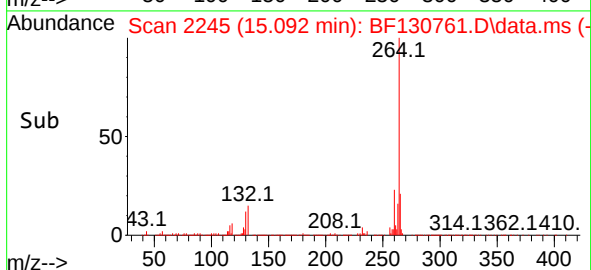
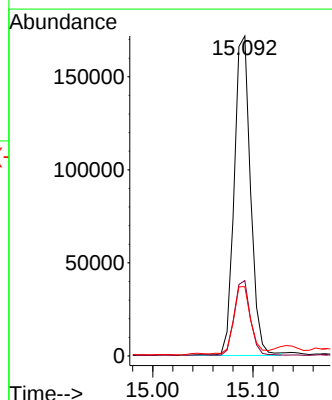
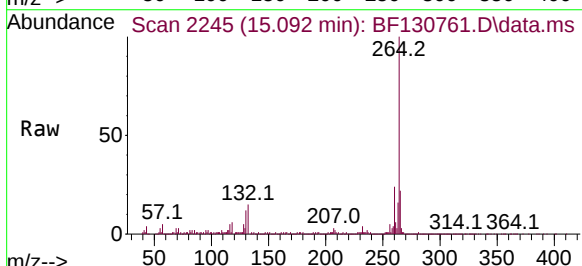
Tgt Ion:264 Resp: 194718

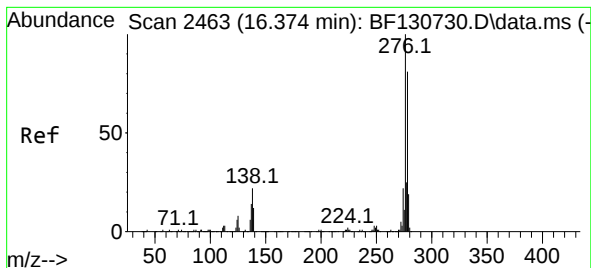
Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

265 21.6 16.2 24.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.505 ng

RT: 16.386 min Scan# 2465

Delta R.T. 0.012 min

Lab File: BF130761.D

Acq: 24 Oct 2022 14:58

Instrument :

BNA_F

ClientSampleId :

CL-02-101922DL

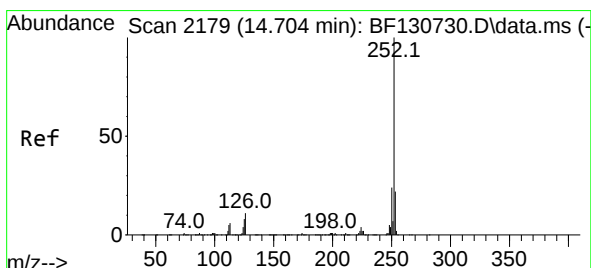
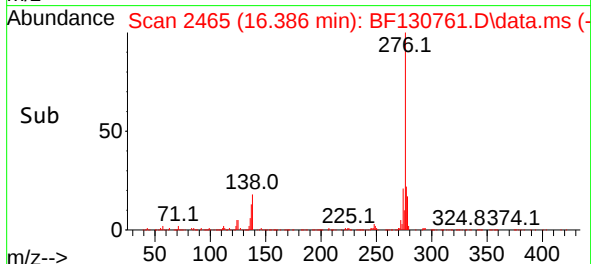
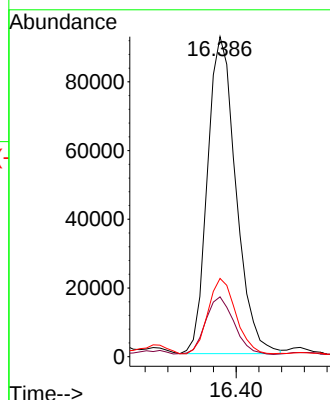
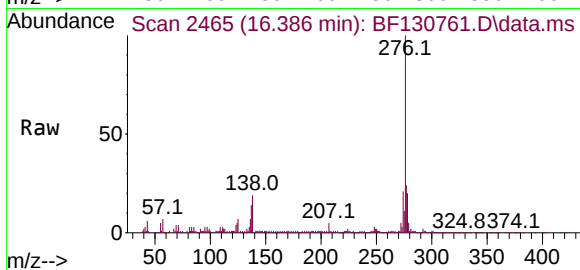
Tgt Ion:276 Resp: 160674

Ion Ratio Lower Upper

276 100

138 18.8 17.2 25.8

277 23.0 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 44.707 ng

RT: 14.715 min Scan# 2181

Delta R.T. 0.012 min

Lab File: BF130761.D

Acq: 24 Oct 2022 14:58

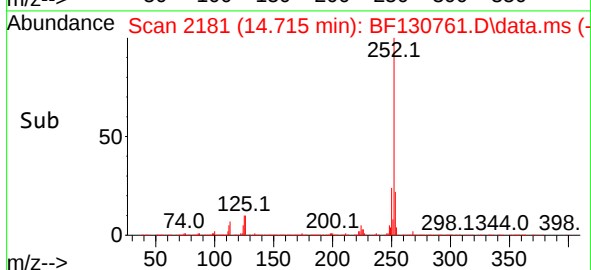
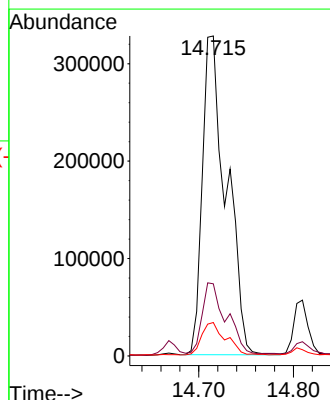
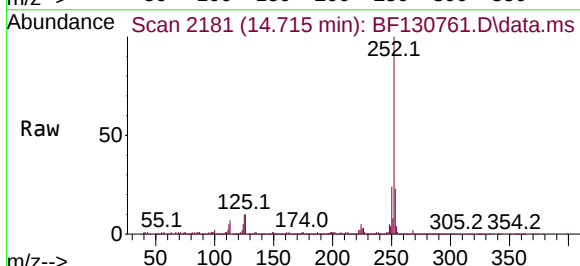
Tgt Ion:252 Resp: 579623

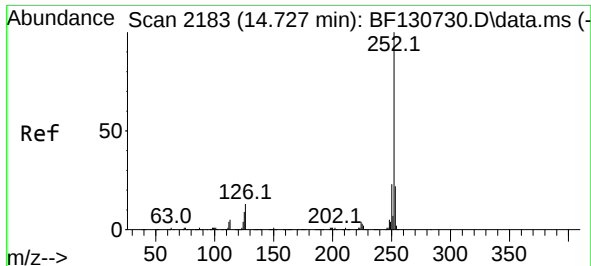
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 10.5 6.4 9.6#

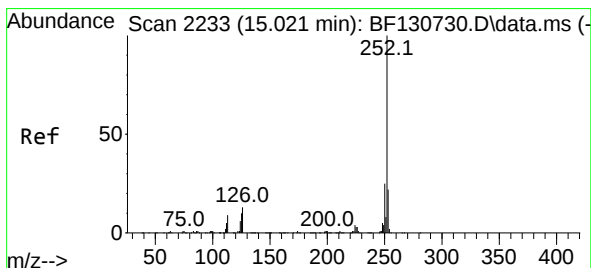
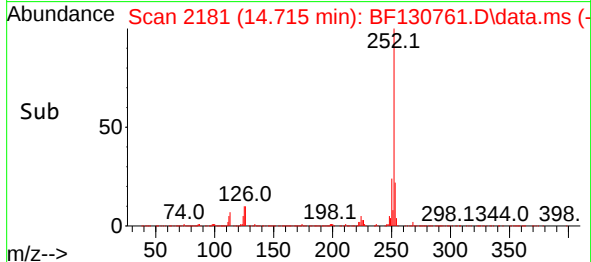
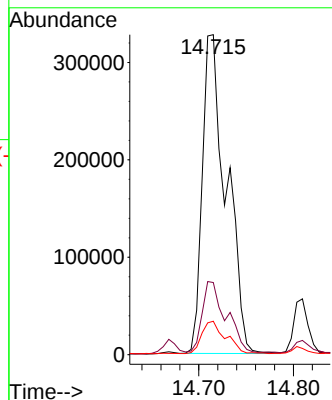
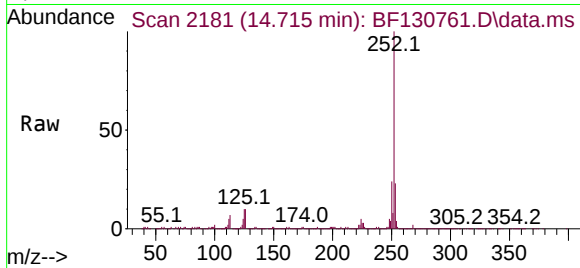




#89
Benzo(k)fluoranthene
Concen: 44.499 ng
RT: 14.715 min Scan# 2183
Delta R.T. -0.012 min
Lab File: BF130761.D
Acq: 24 Oct 2022 14:58

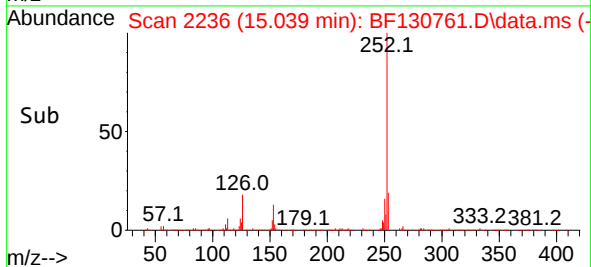
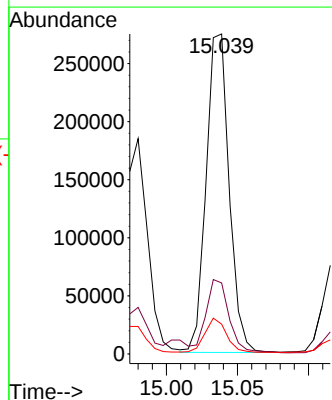
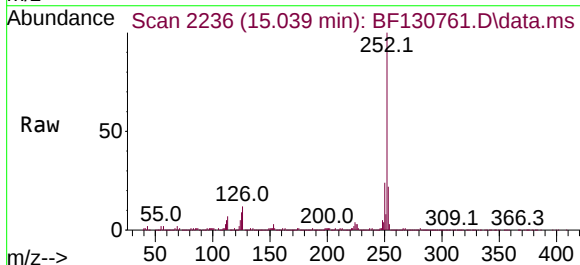
Instrument :
BNA_F
ClientSampleId :
CL-02-101922DL

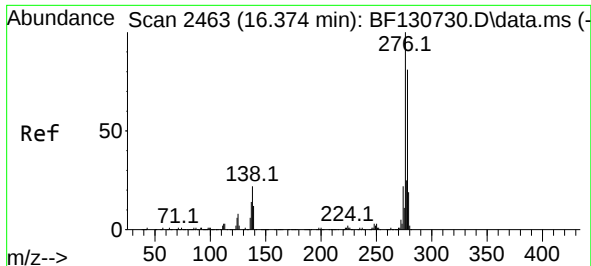
Tgt Ion:252 Resp: 579623
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 10.5 7.2 10.8



#90
Benzo(a)pyrene
Concen: 29.665 ng
RT: 15.039 min Scan# 2236
Delta R.T. 0.018 min
Lab File: BF130761.D
Acq: 24 Oct 2022 14:58

Tgt Ion:252 Resp: 308906
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 9.3 8.3 12.5

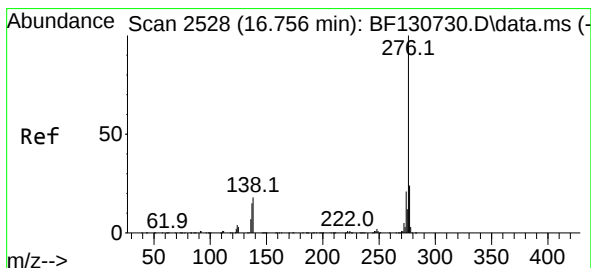
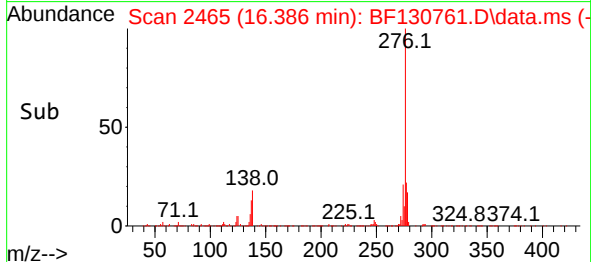
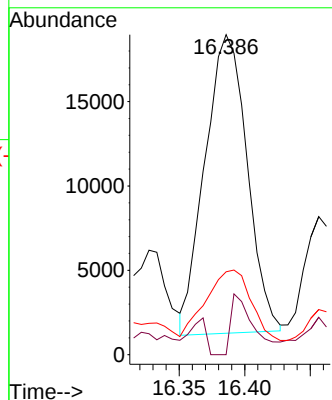
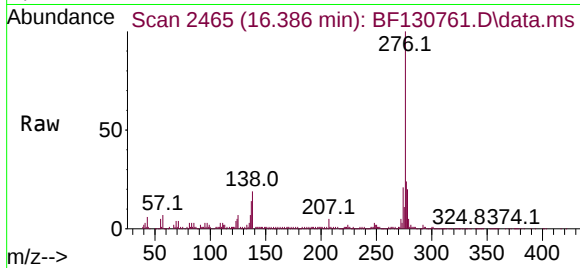




#91
Dibenzo(a,h)anthracene
Concen: 3.434 ng
RT: 16.386 min Scan# 2465
Delta R.T. 0.012 min
Lab File: BF130761.D
Acq: 24 Oct 2022 14:58

Instrument :
BNA_F
ClientSampleId :
CL-02-101922DL

Tgt Ion:278 Resp: 39626
Ion Ratio Lower Upper
278 100
139 0.0 11.4 17.0#
279 25.9 18.4 27.6



#92
Benzo(g,h,i)perylene
Concen: 12.150 ng
RT: 16.774 min Scan# 2531
Delta R.T. 0.018 min
Lab File: BF130761.D
Acq: 24 Oct 2022 14:58

Tgt Ion:276 Resp: 140614
Ion Ratio Lower Upper
276 100
277 24.3 19.1 28.7
138 18.3 14.2 21.2

