

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092122\
 Data File : BF130361.D
 Acq On : 21 Sep 2022 14:55
 Operator : CG\JU
 Sample : N4713-01DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-091922DL

Quant Time: Sep 21 16:01:58 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 15:06:14 2022
 Response via : Initial Calibration

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

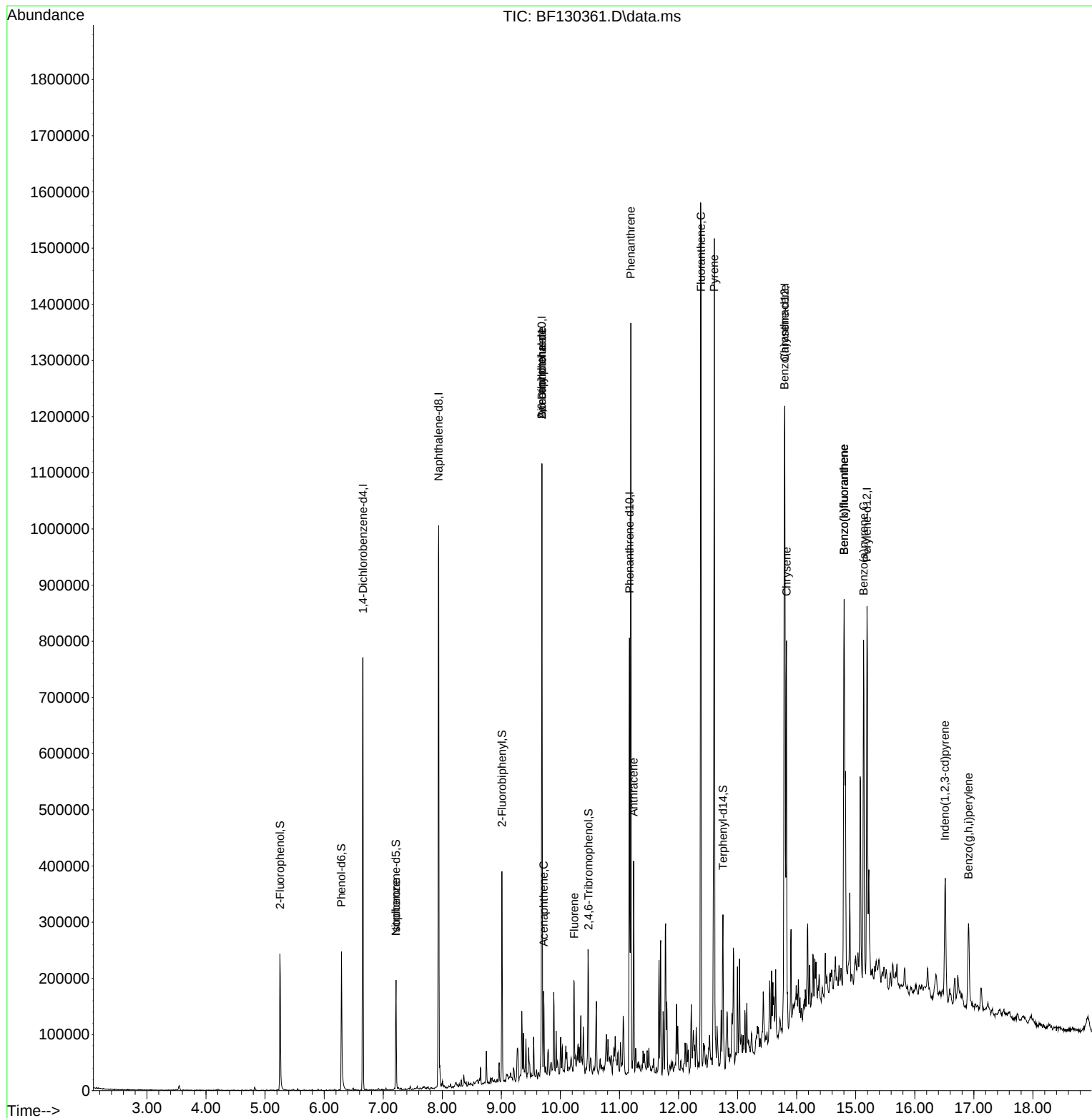
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.657	152	116920	20.000	ng	0.00
21) Naphthalene-d8	7.940	136	439705	20.000	ng	# 0.00
39) Acenaphthene-d10	9.687	164	195523	20.000	ng	0.00
64) Phenanthrene-d10	11.169	188	262111	20.000	ng	0.00
76) Chrysene-d12	13.798	240	241892	20.000	ng	0.00
86) Perylene-d12	15.192	264	270704	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.251	112	71087	10.545	ng	0.00
7) Phenol-d6	6.293	99	85882	10.182	ng	0.00
23) Nitrobenzene-d5	7.216	82	53928	6.266	ng	-0.02
42) 2,4,6-Tribromophenol	10.475	330	14387	7.679	ng	0.00
45) 2-Fluorobiphenyl	9.010	172	96051	7.154	ng	-0.01
79) Terphenyl-d14	12.751	244	70079	4.799	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.216	82	53750	3.875	ng	# 66
50) Dimethylphthalate	9.687	163	36733	2.720	ng	# 1
51) 2,6-Dinitrotoluene	9.687	165	26781	9.481	ng	# 16
52) Acenaphthene	9.716	154	27832	2.392	ng	96
58) Fluorene	10.234	166	39265	2.966	ng	# 97
71) Phenanthrene	11.192	178	429766	29.204	ng	99
72) Anthracene	11.239	178	126570	8.913	ng	99
75) Fluoranthene	12.380	202	622647	43.787	ng	96
78) Pyrene	12.604	202	554302	26.195	ng	99
81) Benzo(a)anthracene	13.792	228	300855	18.696	ng	98
83) Chrysene	13.827	228	260227	17.031	ng	97
87) Indeno(1,2,3-cd)pyrene	16.510	276	140655	7.327	ng	94
88) Benzo(b)fluoranthene	14.804	252	476081	26.945	ng	97
89) Benzo(k)fluoranthene	14.804	252	476081	27.391	ng	97
90) Benzo(a)pyrene	15.133	252	267292	19.095	ng	98
92) Benzo(g,h,i)perylene	16.910	276	115451	7.278	ng	98

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

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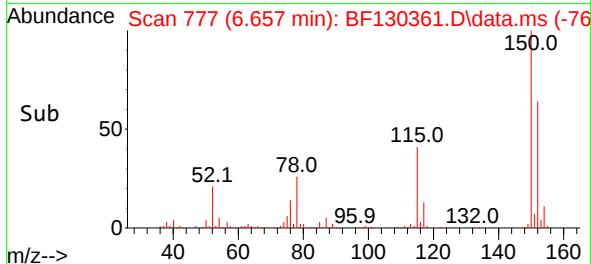
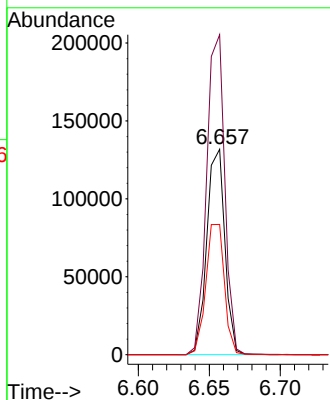
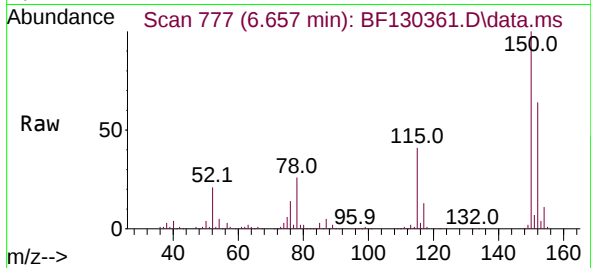




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

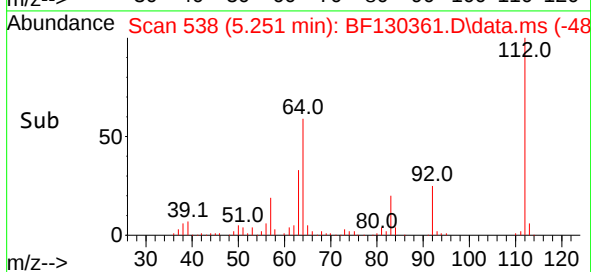
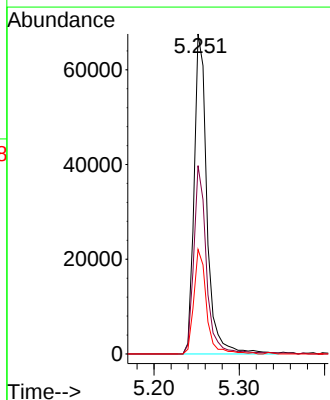
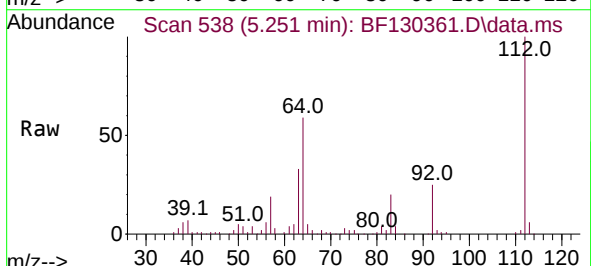
Instrument :
BNA_F
ClientSampleId :
OR-03-091922DL

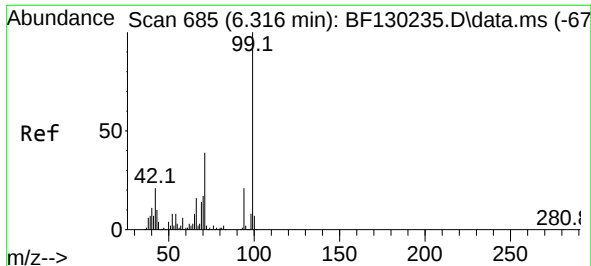
Tgt Ion:152 Resp: 116920
Ion Ratio Lower Upper
152 100
150 155.8 122.8 184.2
115 63.4 53.8 80.8



#5
2-Fluorophenol
Concen: 10.545 ng
RT: 5.251 min Scan# 538
Delta R.T. -0.006 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

Tgt Ion:112 Resp: 71087
Ion Ratio Lower Upper
112 100
64 58.8 51.4 77.0
63 32.7 28.8 43.2

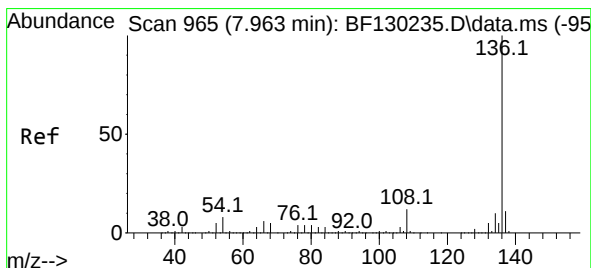
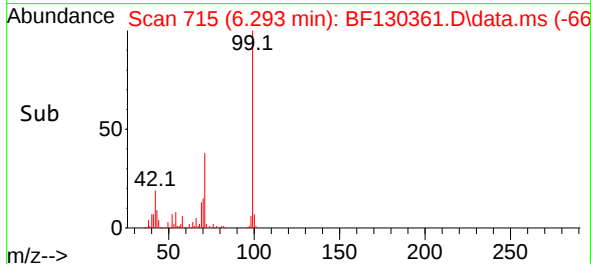
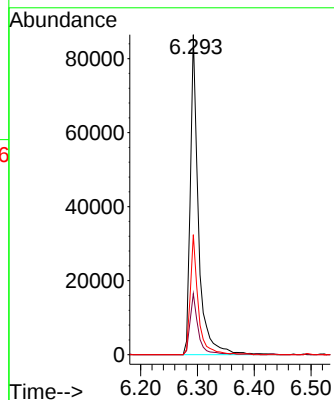
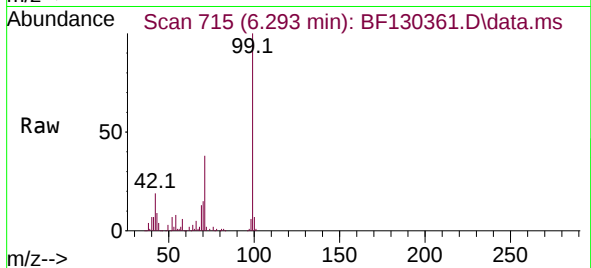




#7
Phenol-d6
Concen: 10.182 ng
RT: 6.293 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

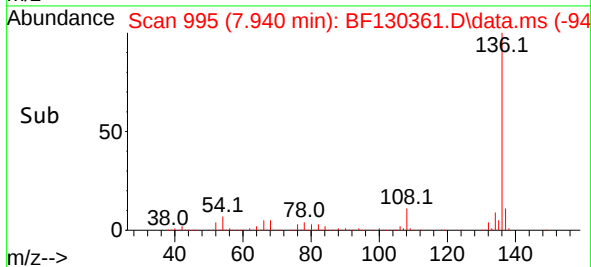
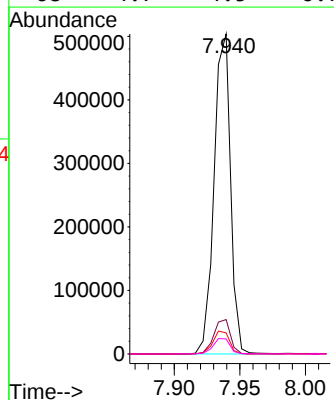
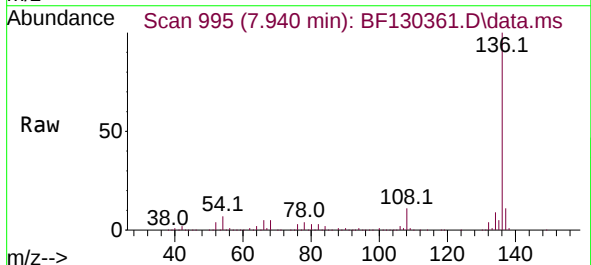
Instrument :
BNA_F
ClientSampleId :
OR-03-091922DL

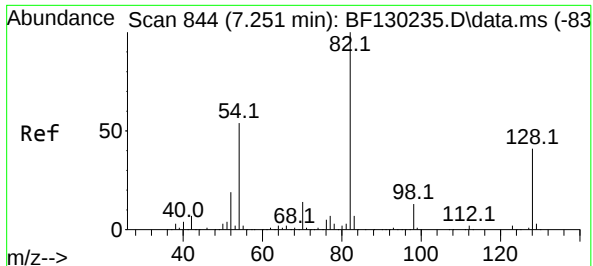
Tgt Ion: 99 Resp: 85882
Ion Ratio Lower Upper
99 100
42 19.0 17.0 25.6
71 37.5 32.3 48.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.940 min Scan# 995
Delta R.T. -0.006 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

Tgt Ion:136 Resp: 439705
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 6.6 7.1 10.7#
68 4.7 4.5 6.7





#23

Nitrobenzene-d5

Concen: 6.266 ng

RT: 7.216 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF130361.D

Acq: 21 Sep 2022 14:55

Instrument :

BNA_F

ClientSampleId :

OR-03-091922DL

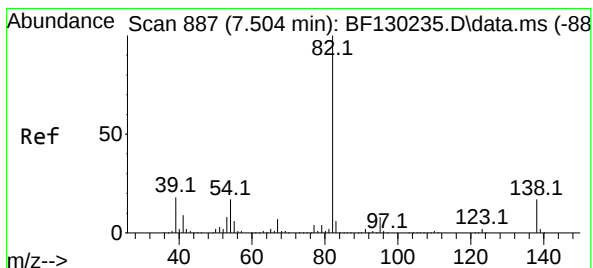
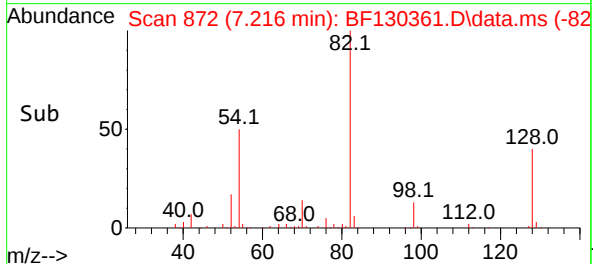
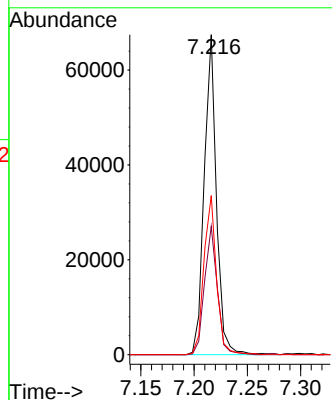
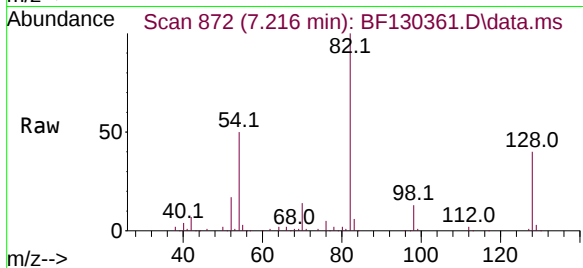
Tgt Ion: 82 Resp: 53928

Ion Ratio Lower Upper

82 100

128 40.1 32.6 49.0

54 49.7 43.8 65.6



#25

Isophorone

Concen: 3.875 ng

RT: 7.216 min Scan# 872

Delta R.T. -0.276 min

Lab File: BF130361.D

Acq: 21 Sep 2022 14:55

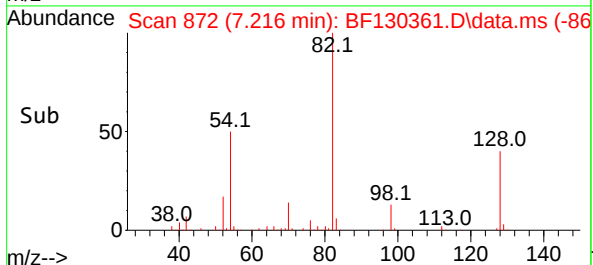
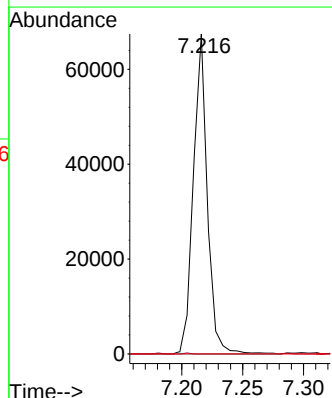
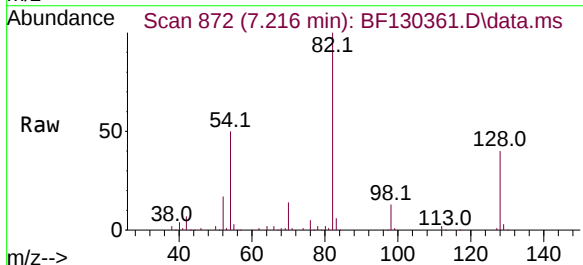
Tgt Ion: 82 Resp: 53750

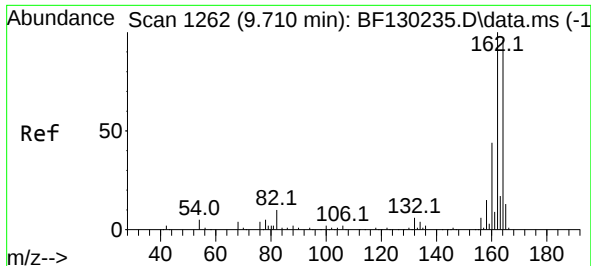
Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

138 0.0 13.8 20.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.687 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130361.D

Acq: 21 Sep 2022 14:55

Instrument :

BNA_F

ClientSampleId :

OR-03-091922DL

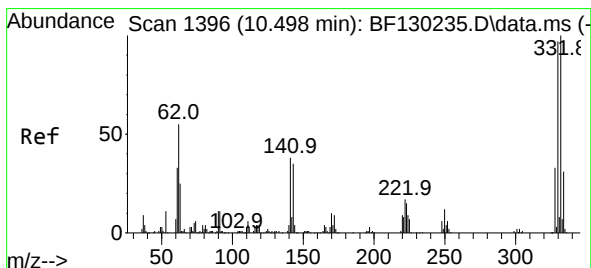
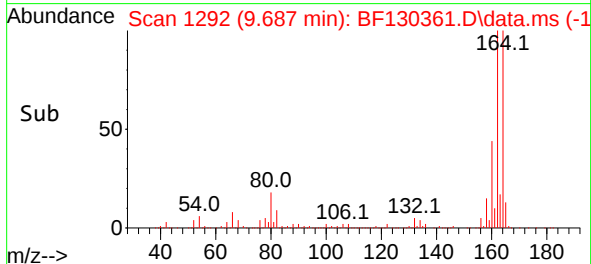
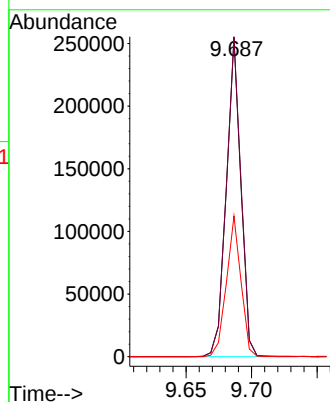
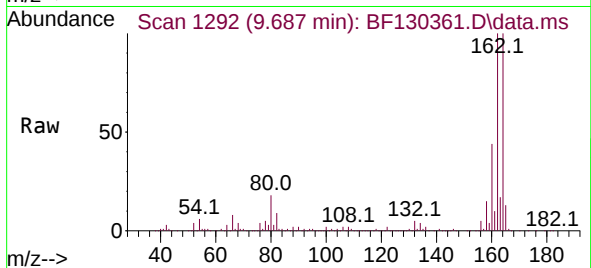
Tgt Ion:164 Resp: 195523

Ion Ratio Lower Upper

164 100

162 100.5 81.4 122.0

160 44.2 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 7.679 ng

RT: 10.475 min Scan# 1426

Delta R.T. -0.006 min

Lab File: BF130361.D

Acq: 21 Sep 2022 14:55

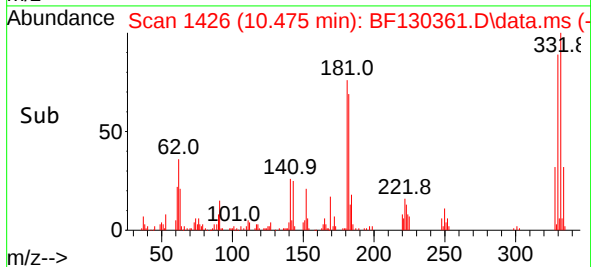
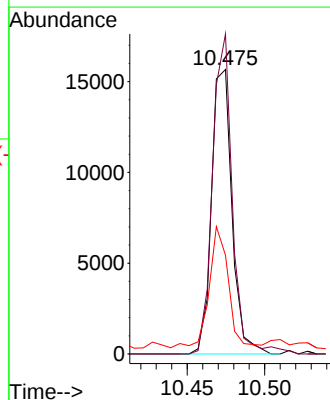
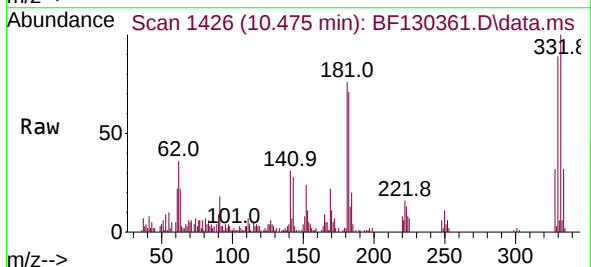
Tgt Ion:330 Resp: 14387

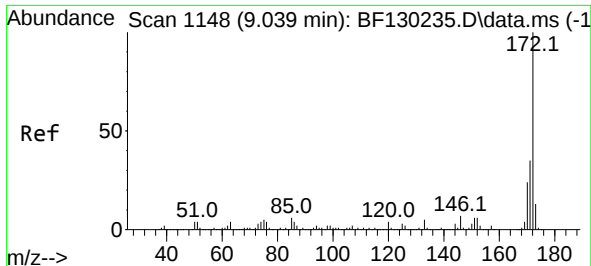
Ion Ratio Lower Upper

330 100

332 108.5 83.4 125.2

141 39.8 34.0 51.0





#45

2-Fluorobiphenyl

Concen: 7.154 ng

RT: 9.010 min Scan# 1177

Delta R.T. -0.012 min

Lab File: BF130361.D

Acq: 21 Sep 2022 14:55

Instrument :

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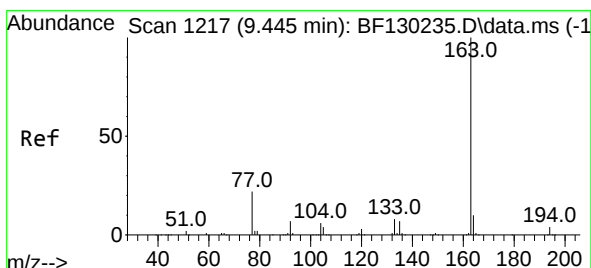
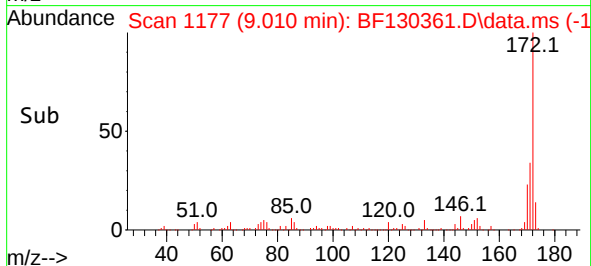
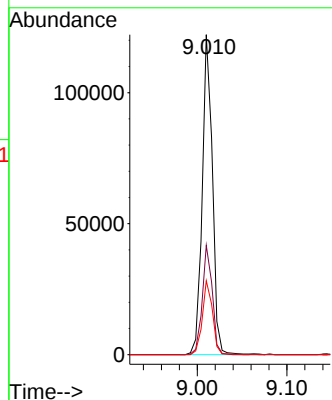
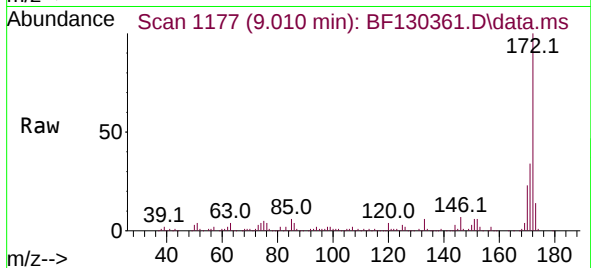
Tgt Ion:172 Resp: 96051

Ion Ratio Lower Upper

172 100

171 34.2 28.3 42.5

170 23.1 18.7 28.1



#50

Dimethylphthalate

Concen: 2.720 ng

RT: 9.687 min Scan# 1292

Delta R.T. 0.259 min

Lab File: BF130361.D

Acq: 21 Sep 2022 14:55

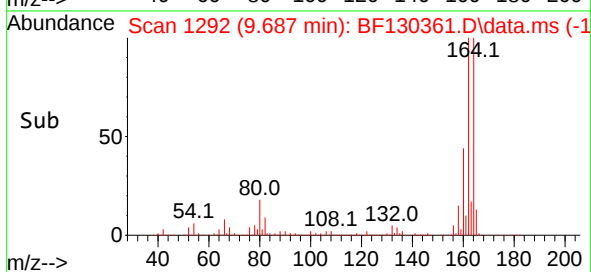
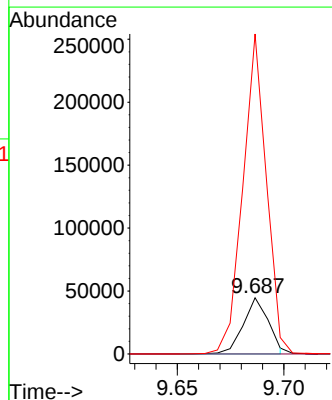
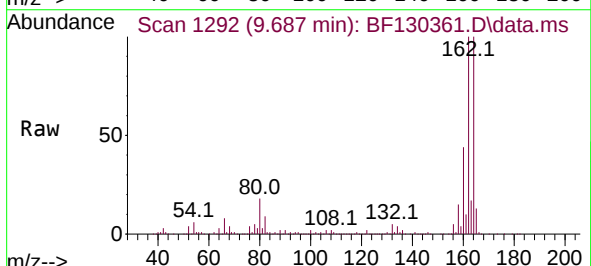
Tgt Ion:163 Resp: 36733

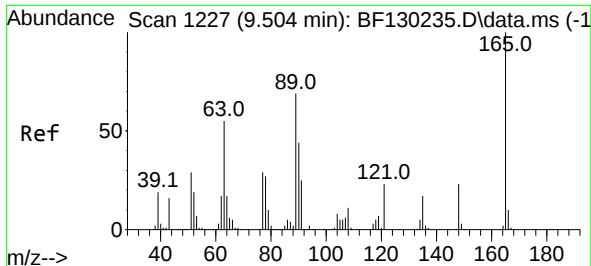
Ion Ratio Lower Upper

163 100

194 0.0 2.8 4.2#

164 569.7 8.2 12.2#





#51

2,6-Dinitrotoluene

Concen: 9.481 ng

RT: 9.687 min Scan# 1292

Delta R.T. 0.200 min

Lab File: BF130361.D

Acq: 21 Sep 2022 14:55

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ClientSampleId :

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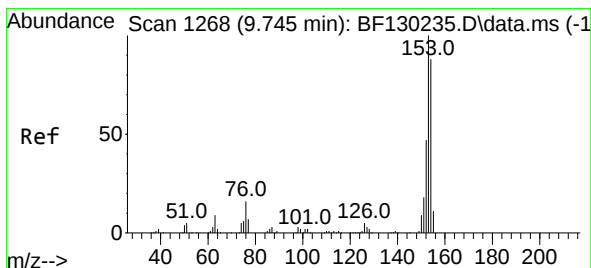
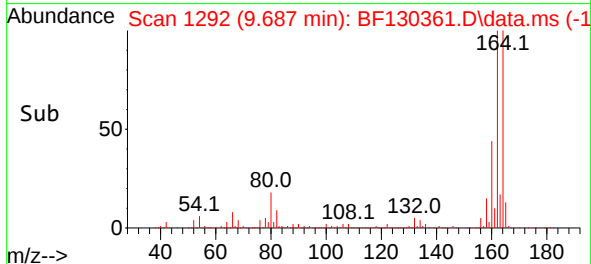
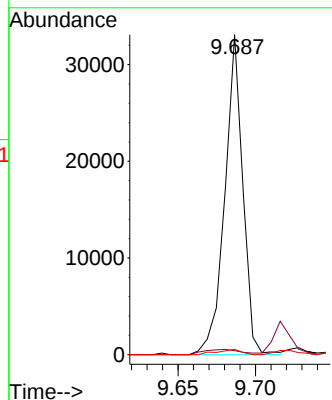
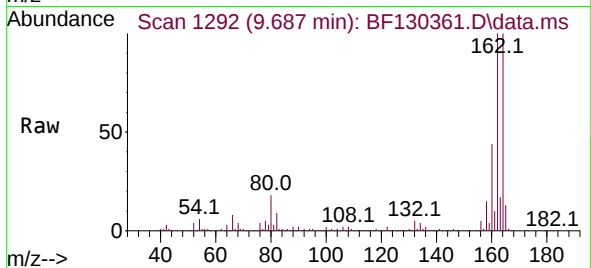
Tgt Ion:165 Resp: 26781

Ion Ratio Lower Upper

165 100

63 1.2 58.8 88.2#

89 1.7 54.5 81.7#



#52

Acenaphthene

Concen: 2.392 ng

RT: 9.716 min Scan# 1297

Delta R.T. -0.012 min

Lab File: BF130361.D

Acq: 21 Sep 2022 14:55

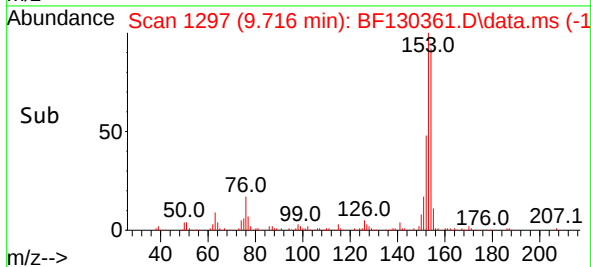
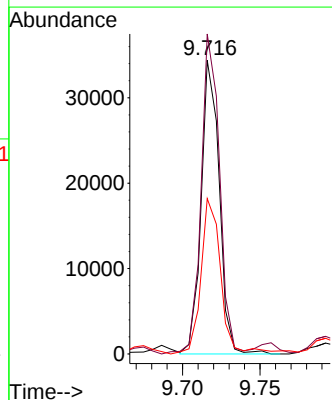
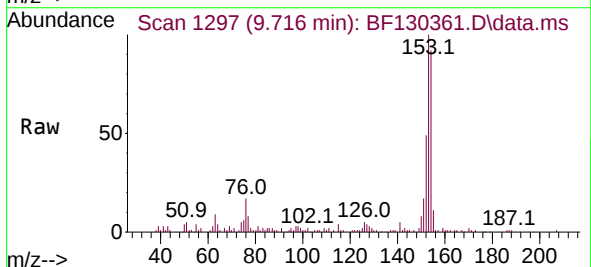
Tgt Ion:154 Resp: 27832

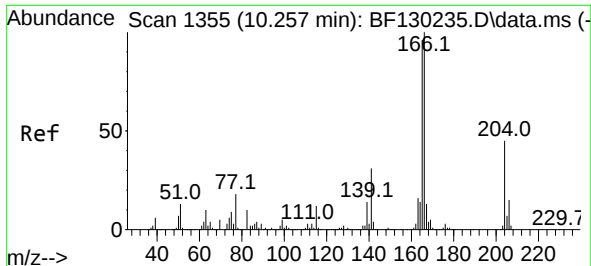
Ion Ratio Lower Upper

154 100

153 109.0 90.6 136.0

152 52.9 43.8 65.6

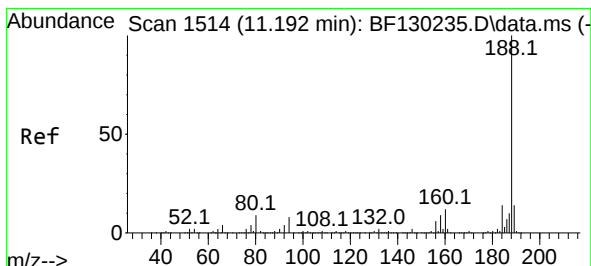
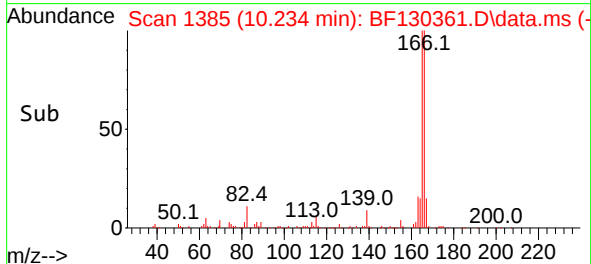
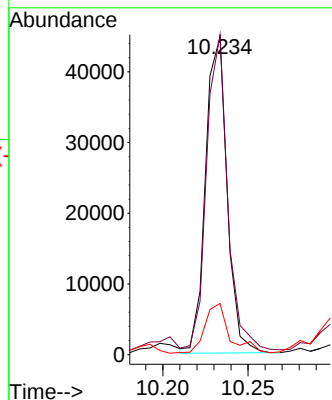
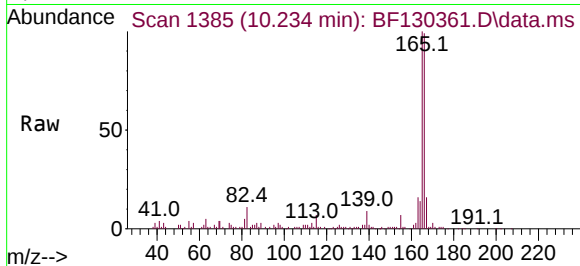




#58
Fluorene
Concen: 2.966 ng
RT: 10.234 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

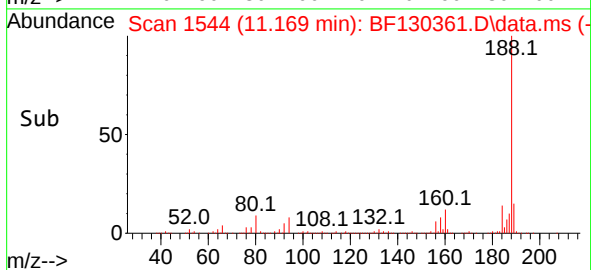
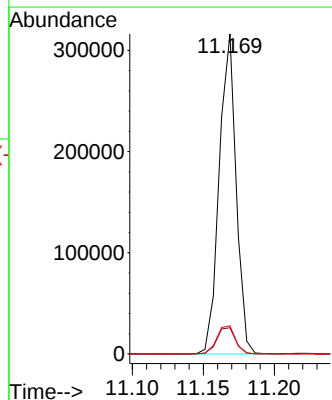
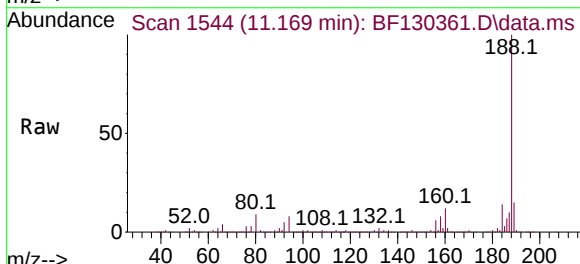
Instrument :
BNA_F
ClientSampleId :
OR-03-091922DL

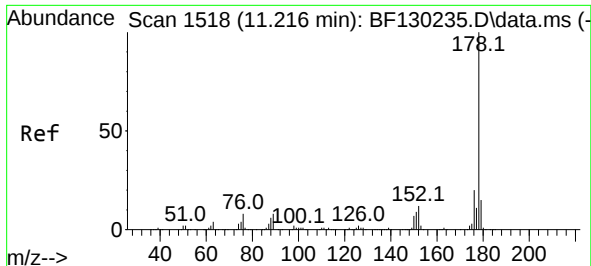
Tgt Ion:166 Resp: 39265
Ion Ratio Lower Upper
166 100
165 100.7 78.8 118.2
167 16.1 10.6 15.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.169 min Scan# 1544
Delta R.T. -0.006 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

Tgt Ion:188 Resp: 262111
Ion Ratio Lower Upper
188 100
94 8.2 7.4 11.2
80 8.8 7.9 11.9

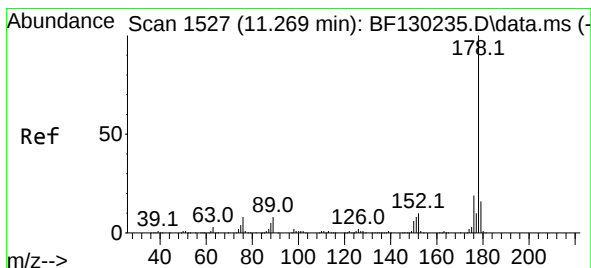
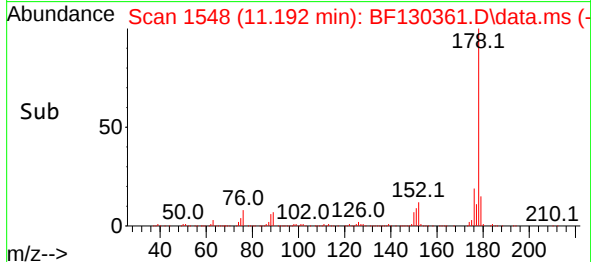
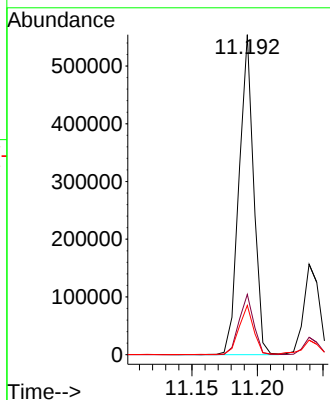
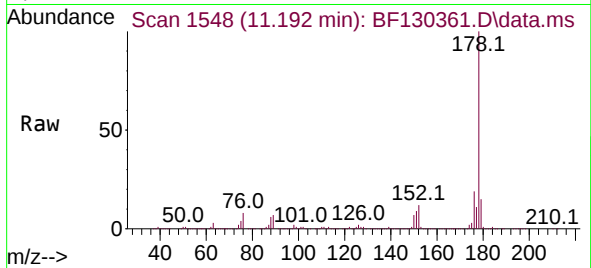




#71
Phenanthrene
Concen: 29.204 ng
RT: 11.192 min Scan# 1518
Delta R.T. -0.006 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

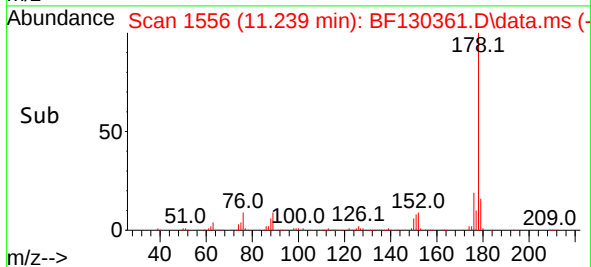
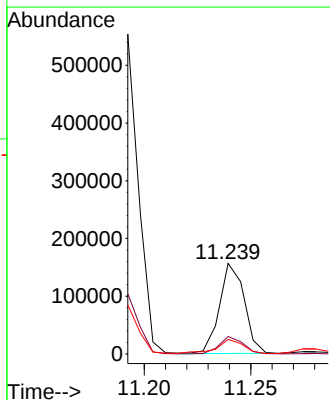
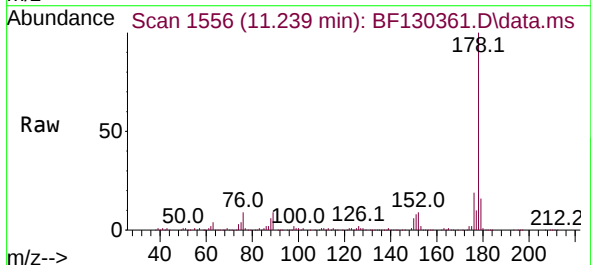
Instrument :
BNA_F
ClientSampleId :
OR-03-091922DL

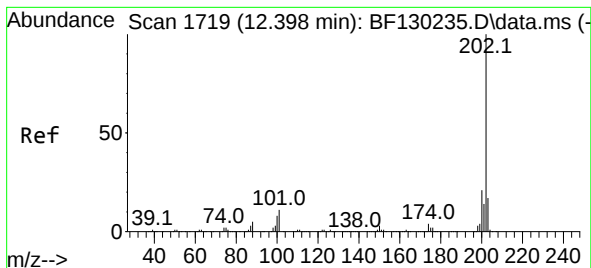
Tgt Ion:178 Resp: 429766
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.4 12.4 18.6



#72
Anthracene
Concen: 8.913 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.012 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

Tgt Ion:178 Resp: 126570
Ion Ratio Lower Upper
178 100
176 19.2 15.0 22.6
179 16.1 12.7 19.1





#75

Fluoranthene

Concen: 43.787 ng

RT: 12.380 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF130361.D

Acq: 21 Sep 2022 14:55

Instrument :

BNA_F

ClientSampleId :

OR-03-091922DL

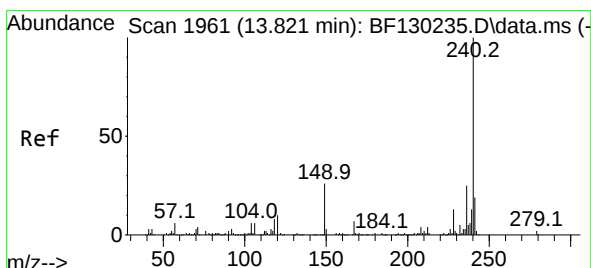
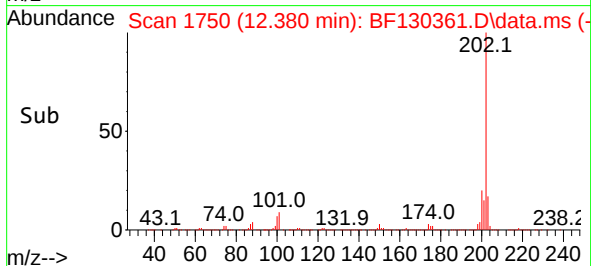
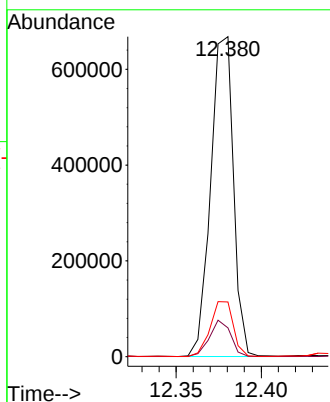
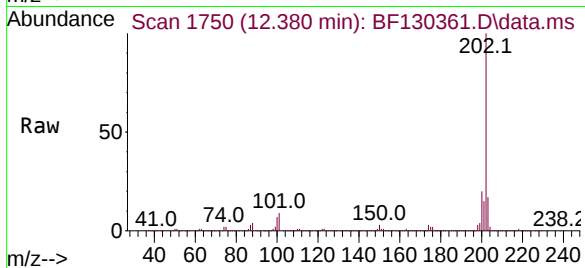
Tgt Ion:202 Resp: 622647

Ion Ratio Lower Upper

202 100

101 9.0 0.0 31.8

203 17.1 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.798 min Scan# 1991

Delta R.T. -0.006 min

Lab File: BF130361.D

Acq: 21 Sep 2022 14:55

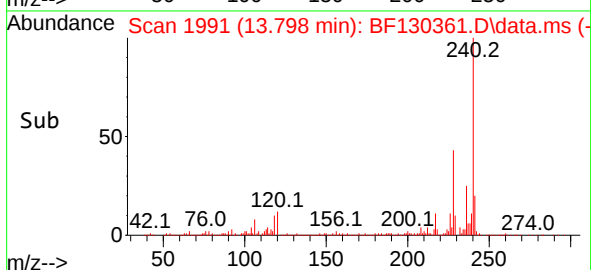
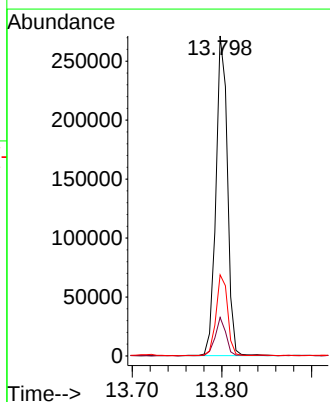
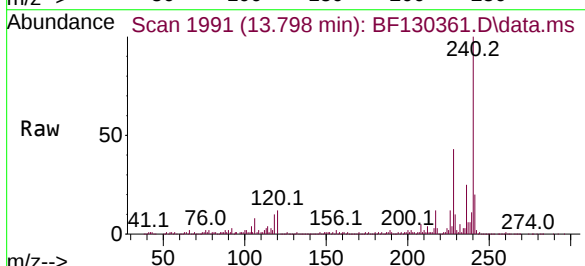
Tgt Ion:240 Resp: 241892

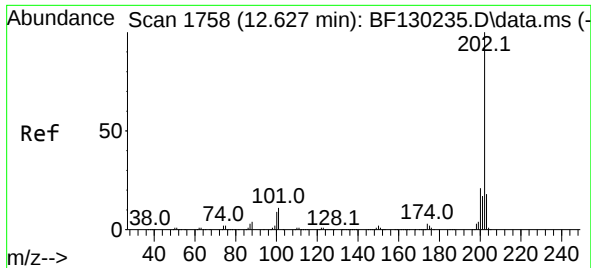
Ion Ratio Lower Upper

240 100

120 12.0 8.7 13.1

236 25.4 20.9 31.3

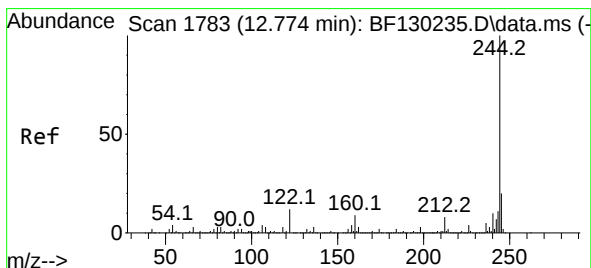
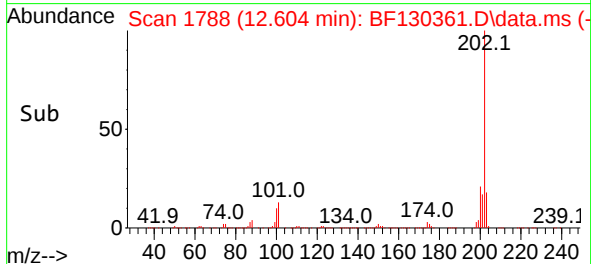
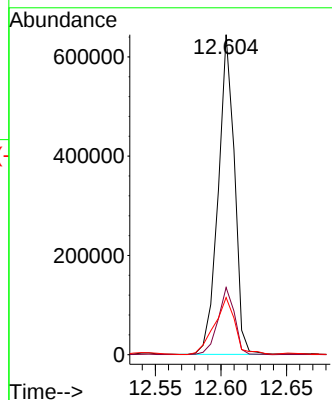
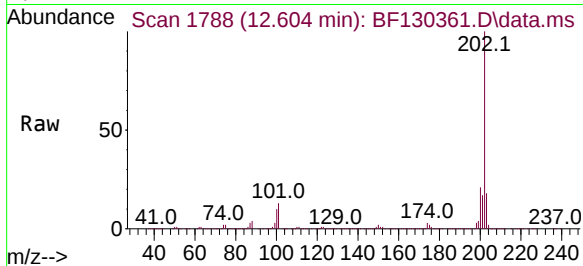




#78
Pyrene
Concen: 26.195 ng
RT: 12.604 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

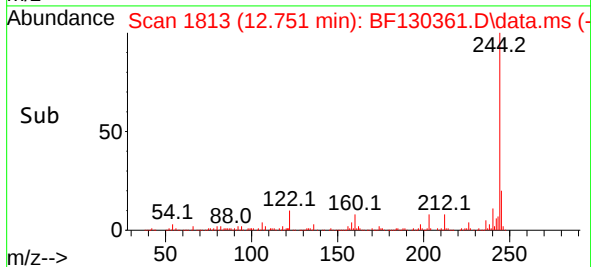
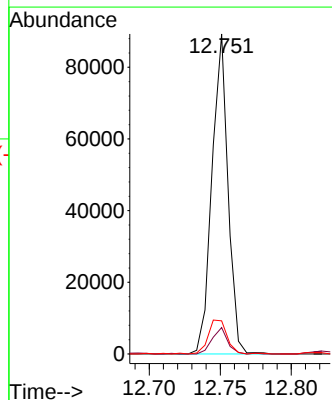
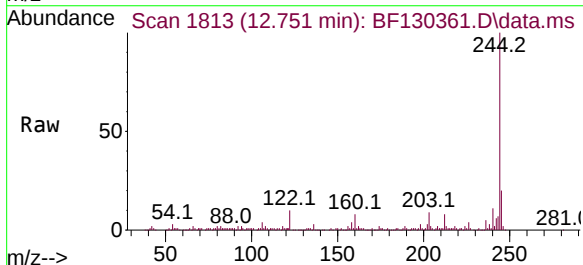
Instrument :
BNA_F
ClientSampleId :
OR-03-091922DL

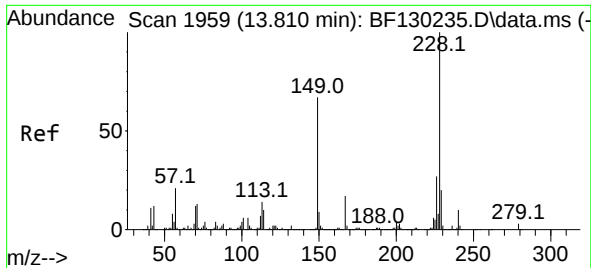
Tgt Ion:202 Resp: 554302
Ion Ratio Lower Upper
202 100
200 21.0 17.2 25.8
203 17.9 14.3 21.5



#79
Terphenyl-d14
Concen: 4.799 ng
RT: 12.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

Tgt Ion:244 Resp: 70079
Ion Ratio Lower Upper
244 100
212 8.2 5.9 8.9
122 10.3 8.5 12.7

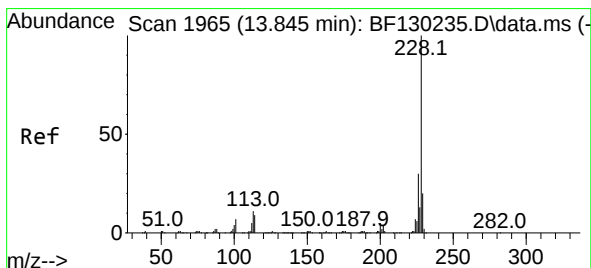
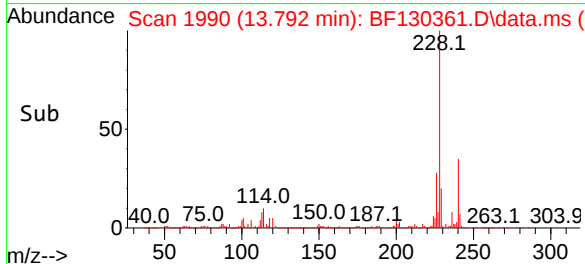
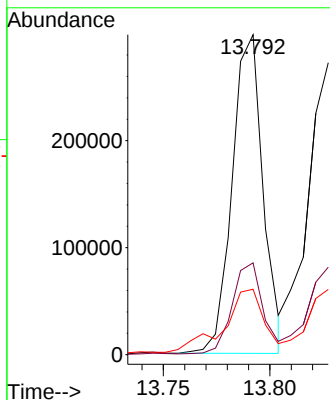
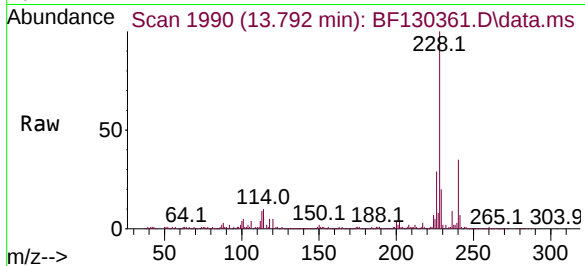




#81
Benzo(a)anthracene
Concen: 18.696 ng
RT: 13.792 min Scan# 1990
Delta R.T. 0.000 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

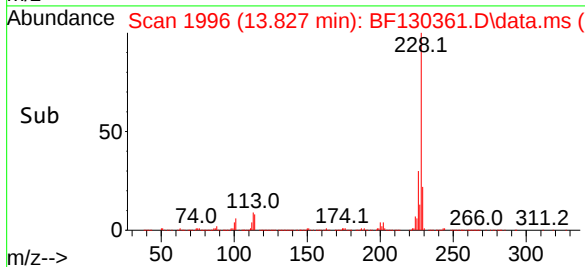
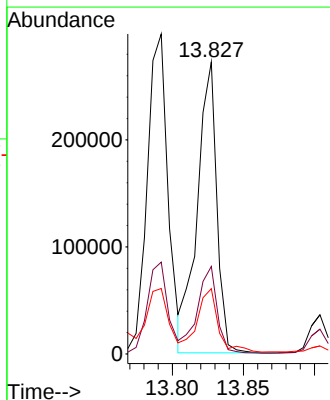
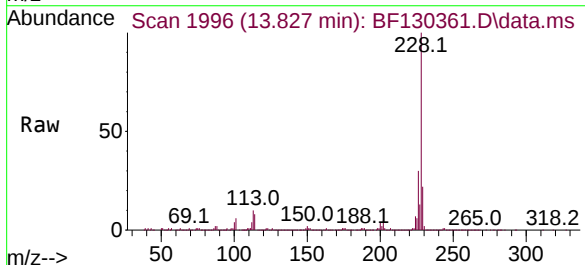
Instrument :
BNA_F
ClientSampleId :
OR-03-091922DL

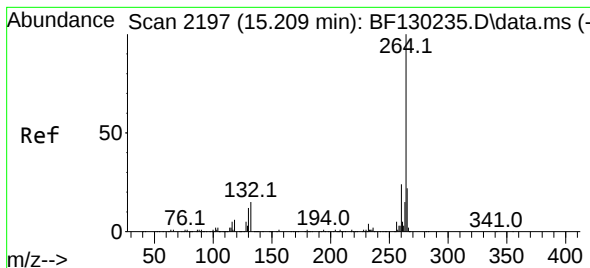
Tgt Ion:228 Resp: 300855
Ion Ratio Lower Upper
228 100
226 28.7 21.9 32.9
229 20.4 16.1 24.1



#83
Chrysene
Concen: 17.031 ng
RT: 13.827 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

Tgt Ion:228 Resp: 260227
Ion Ratio Lower Upper
228 100
226 30.0 23.8 35.8
229 22.4 15.3 22.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.192 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF130361.D

Acq: 21 Sep 2022 14:55

Instrument :

BNA_F

ClientSampleId :

OR-03-091922DL

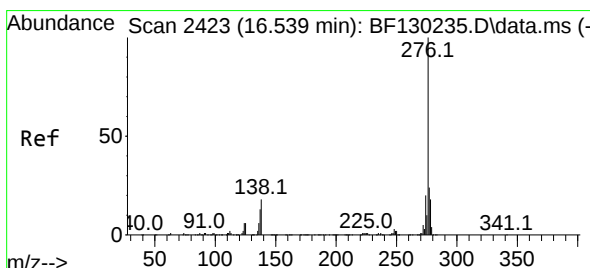
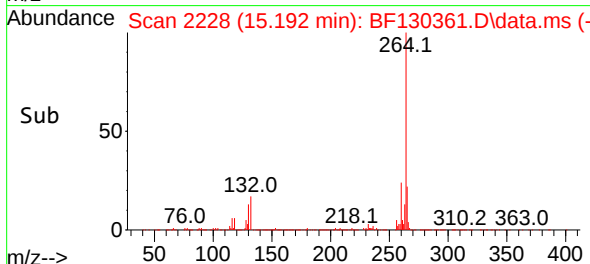
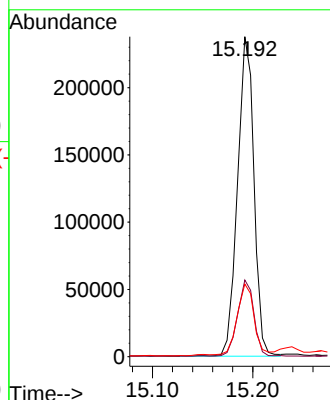
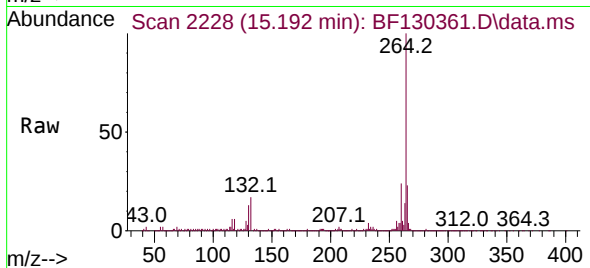
Tgt Ion:264 Resp: 270704

Ion Ratio Lower Upper

264 100

260 24.0 19.3 28.9

265 22.7 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.327 ng

RT: 16.510 min Scan# 2452

Delta R.T. 0.000 min

Lab File: BF130361.D

Acq: 21 Sep 2022 14:55

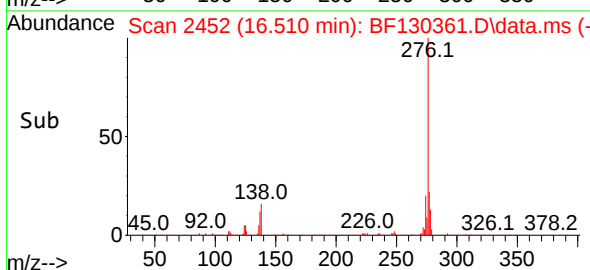
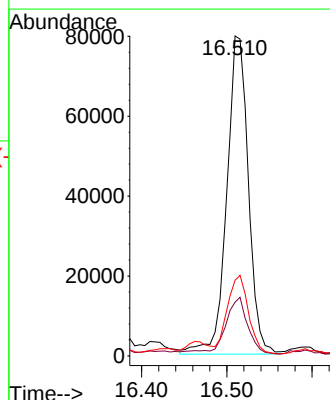
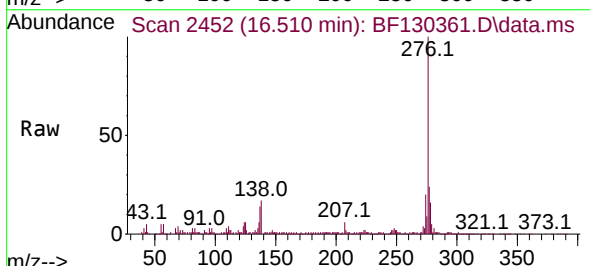
Tgt Ion:276 Resp: 140655

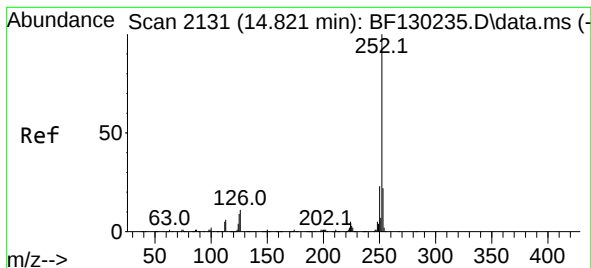
Ion Ratio Lower Upper

276 100

138 18.6 18.5 27.7

277 24.2 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 26.945 ng

RT: 14.804 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF130361.D

Acq: 21 Sep 2022 14:55

Instrument :

BNA_F

ClientSampleId :

OR-03-091922DL

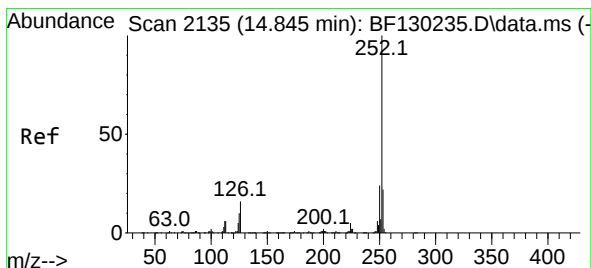
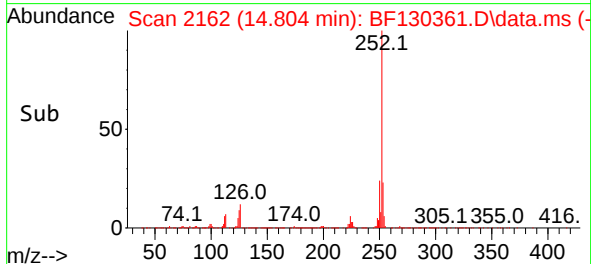
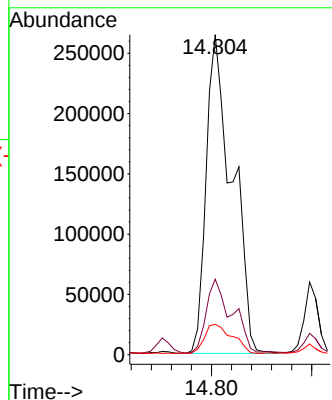
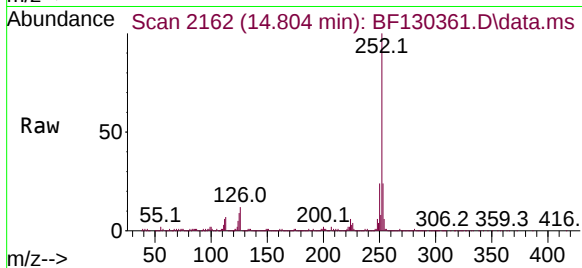
Tgt Ion:252 Resp: 476081

Ion Ratio Lower Upper

252 100

253 23.6 17.7 26.5

125 9.5 8.1 12.1



#89

Benzo(k)fluoranthene

Concen: 27.391 ng

RT: 14.804 min Scan# 2162

Delta R.T. -0.023 min

Lab File: BF130361.D

Acq: 21 Sep 2022 14:55

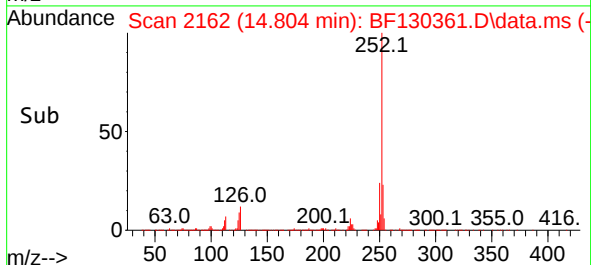
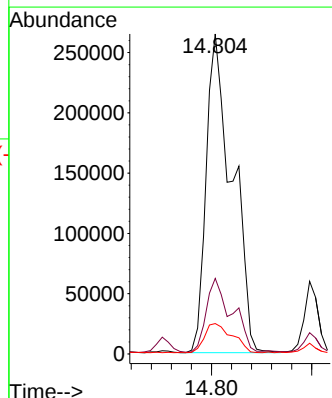
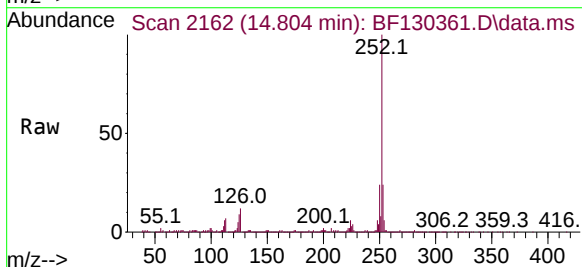
Tgt Ion:252 Resp: 476081

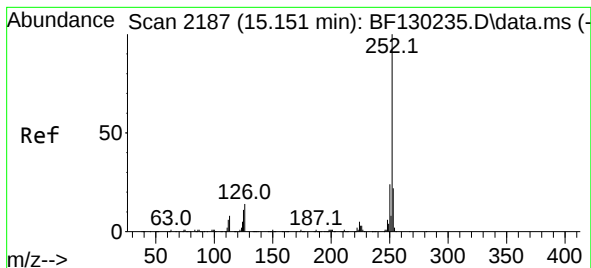
Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.2

125 9.5 7.9 11.9





#90

Benzo(a)pyrene

Concen: 19.095 ng

RT: 15.133 min Scan# 2187

Delta R.T. 0.000 min

Lab File: BF130361.D

Acq: 21 Sep 2022 14:55

Instrument :

BNA_F

ClientSampleId :

OR-03-091922DL

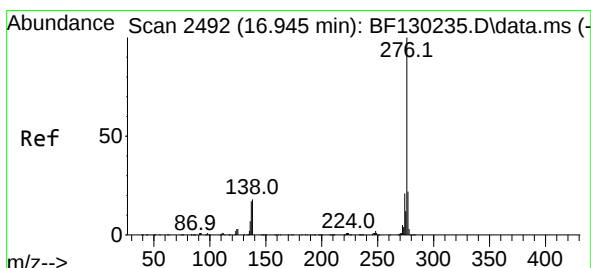
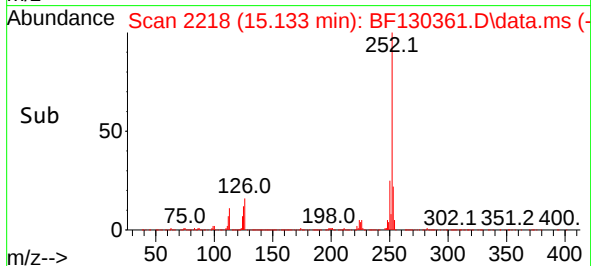
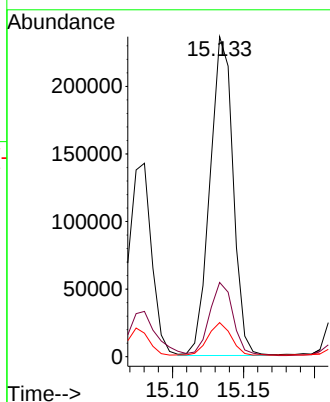
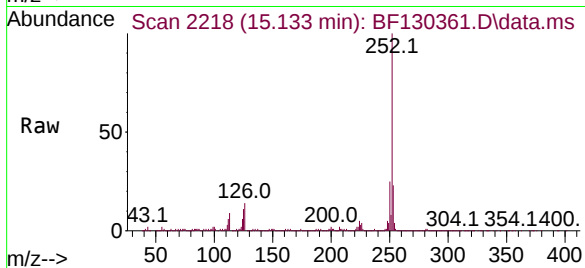
Tgt Ion:252 Resp: 267292

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

125 10.7 9.0 13.6



#92

Benzo(g,h,i)perylene

Concen: 7.278 ng

RT: 16.910 min Scan# 2520

Delta R.T. 0.000 min

Lab File: BF130361.D

Acq: 21 Sep 2022 14:55

Tgt Ion:276 Resp: 115451

Ion Ratio Lower Upper

276 100

277 24.3 18.6 27.8

138 18.5 14.6 21.8

