

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
 Data File : BF130892.D
 Acq On : 31 Oct 2022 22:03
 Operator : CG\JU
 Sample : N5374-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-2-102822

Quant Time: Nov 01 02:33:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 05:41:34 2022
 Response via : Initial Calibration

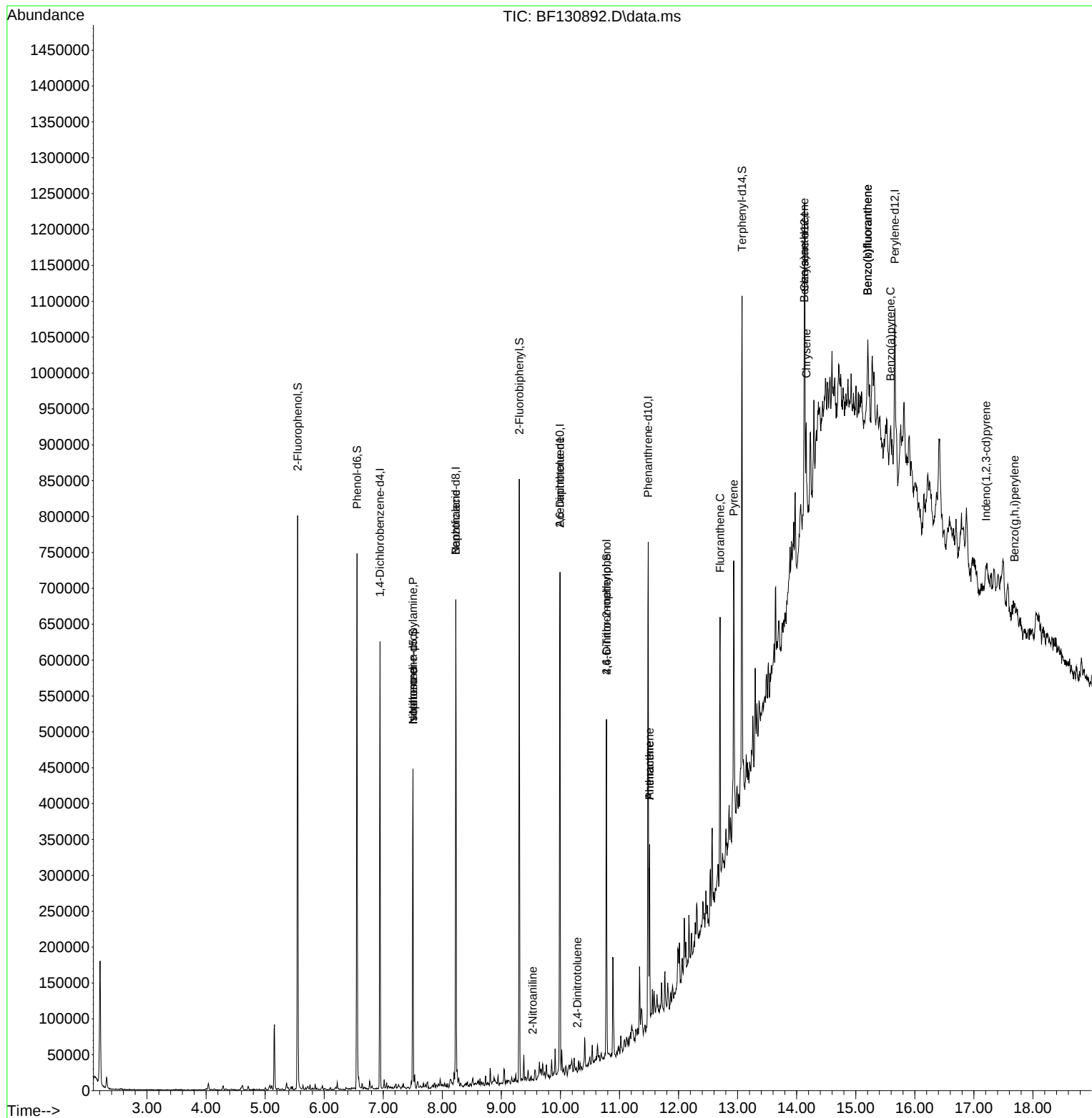
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	75213	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	253091	20.000	ng	0.00
39) Acenaphthene-d10	9.992	164	126617	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	234245	20.000	ng	0.00
76) Chrysene-d12	14.133	240	132070	20.000	ng	# 0.00
86) Perylene-d12	15.662	264	102019	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	171749	39.587	ng	0.00
7) Phenol-d6	6.557	99	200386	35.543	ng	0.00
23) Nitrobenzene-d5	7.504	82	118266	28.177	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	45933	43.095	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	211372	25.239	ng	0.00
79) Terphenyl-d14	13.074	244	218714	30.346	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.504	70	16415	4.279	ng	# 77
25) Isophorone	7.504	82	118187	13.655	ng	# 66
32) Benzoic acid	8.228	122	77	7.705	ng	# 1
48) 2-Nitroaniline	9.533	65	133	4.199	ng	# 12
51) 2,6-Dinitrotoluene	9.992	165	16461	12.167	ng	# 14
57) 2,4-Dinitrotoluene	10.286	165	637	3.989	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.780	198	59	7.979	ng	# 1
71) Phenanthrene	11.510	178	84934	7.025	ng	99
72) Anthracene	11.510	178	84934	7.122	ng	98
75) Fluoranthene	12.704	202	134994	10.509	ng	98
78) Pyrene	12.933	202	122046	10.953	ng	99
81) Benzo(a)anthracene	14.127	228	43842	5.007	ng	# 89
83) Chrysene	14.163	228	52106	6.169	ng	94
87) Indeno(1,2,3-cd)pyrene	17.209	276	17615	2.600	ng	97
88) Benzo(b)fluoranthene	15.204	252	61656	9.349	ng	# 66
89) Benzo(k)fluoranthene	15.204	252	61656	9.595	ng	# 66
90) Benzo(a)pyrene	15.592	252	31096	5.866	ng	# 61
92) Benzo(g,h,i)perylene	17.686	276	19171	3.402	ng	# 74

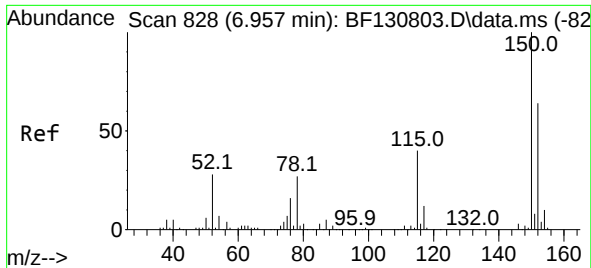
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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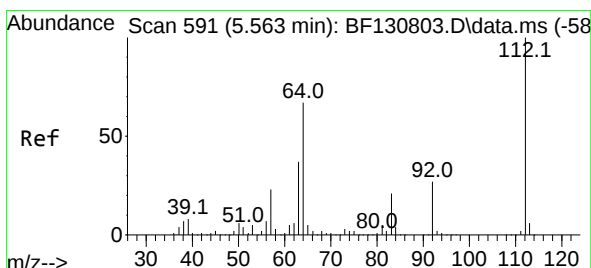
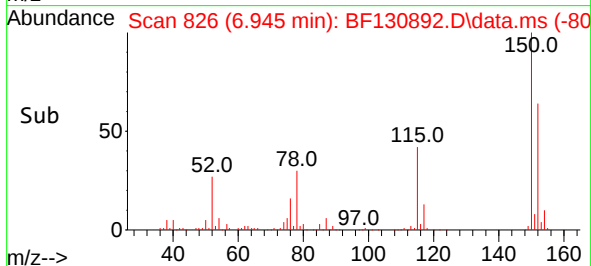
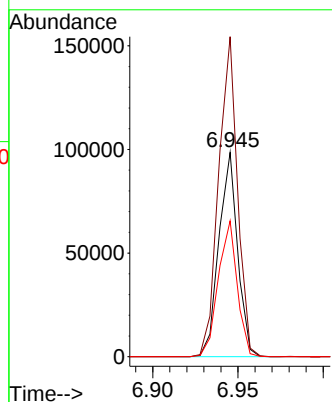
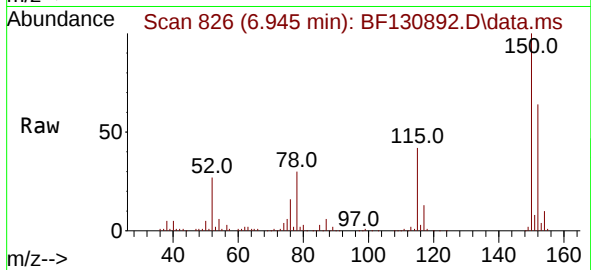




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

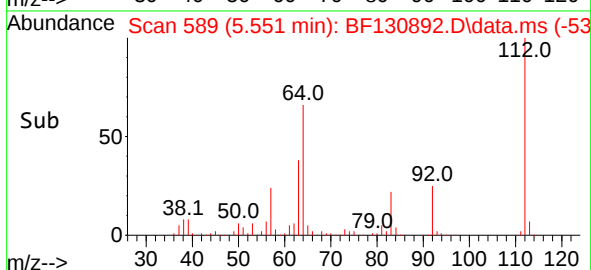
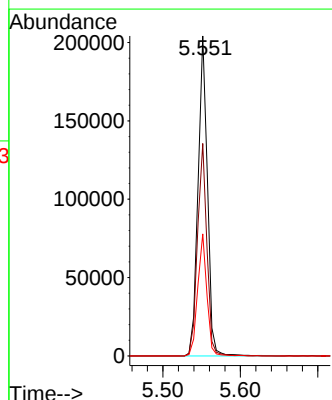
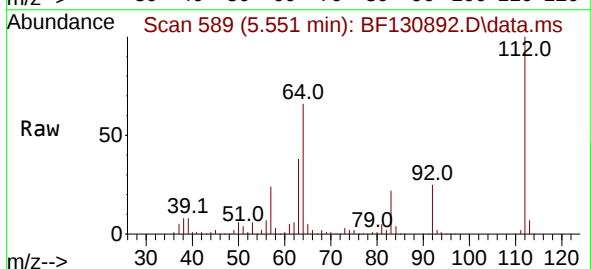
Instrument :
BNA_F
ClientSampleId :
OK-2-102822

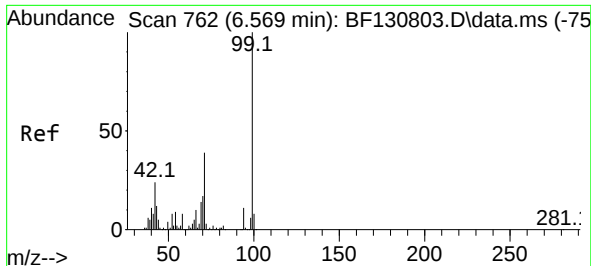
Tgt Ion:152 Resp: 75213
Ion Ratio Lower Upper
152 100
150 156.6 124.1 186.1
115 66.5 50.1 75.1



#5
2-Fluorophenol
Concen: 39.587 ng
RT: 5.551 min Scan# 589
Delta R.T. -0.006 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

Tgt Ion:112 Resp: 171749
Ion Ratio Lower Upper
112 100
64 66.4 53.9 80.9
63 38.2 29.4 44.2

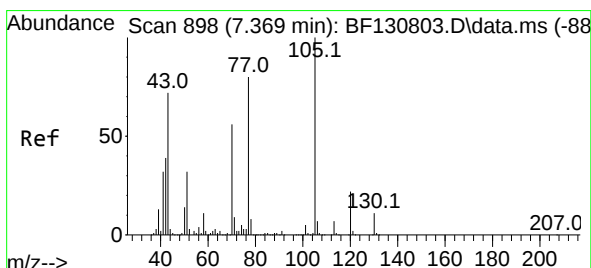
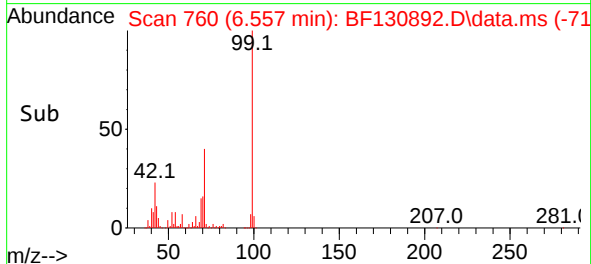
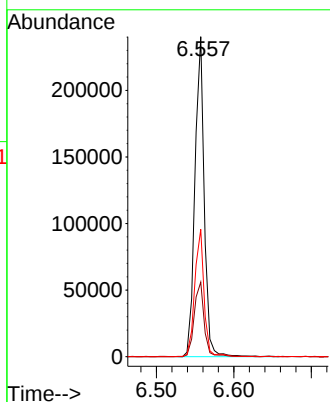
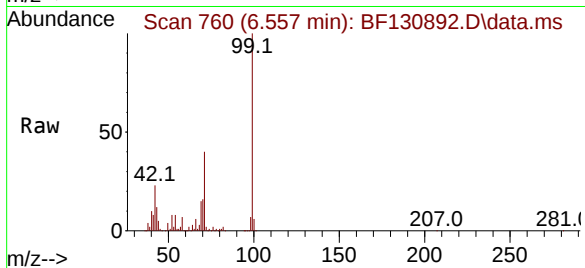




#7
Phenol-d6
Concen: 35.543 ng
RT: 6.557 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

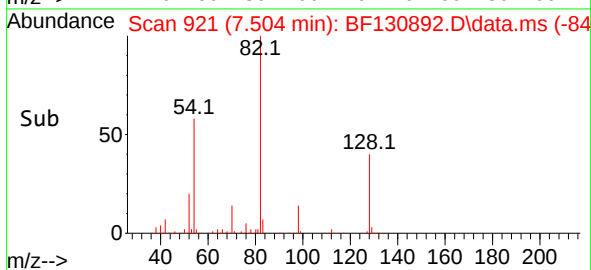
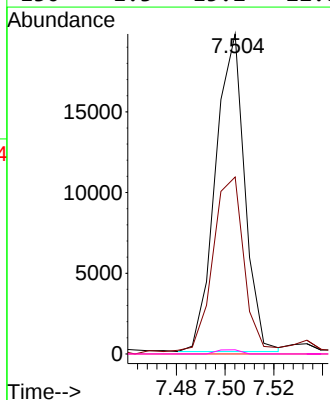
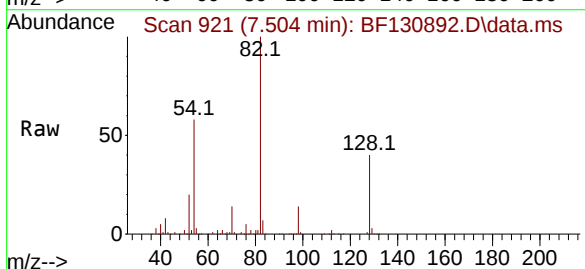
Instrument :
BNA_F
ClientSampleId :
OK-2-102822

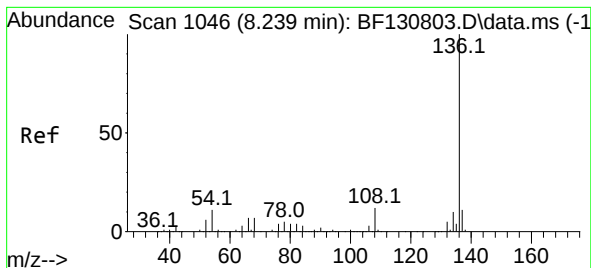
Tgt Ion: 99 Resp: 200386
Ion Ratio Lower Upper
99 100
42 23.3 18.8 28.2
71 39.8 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 4.279 ng
RT: 7.504 min Scan# 921
Delta R.T. 0.141 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

Tgt Ion: 70 Resp: 16415
Ion Ratio Lower Upper
70 100
42 55.3 56.1 84.1#
101 0.0 7.3 10.9#
130 1.3 15.2 22.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.228 min Scan# 1044

Delta R.T. -0.006 min

Lab File: BF130892.D

Acq: 31 Oct 2022 22:03

Instrument :

BNA_F

ClientSampleId :

OK-2-102822

Tgt Ion:136 Resp: 253091

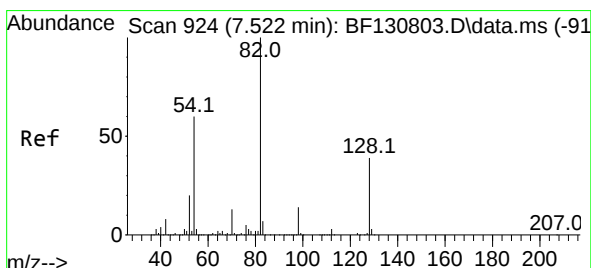
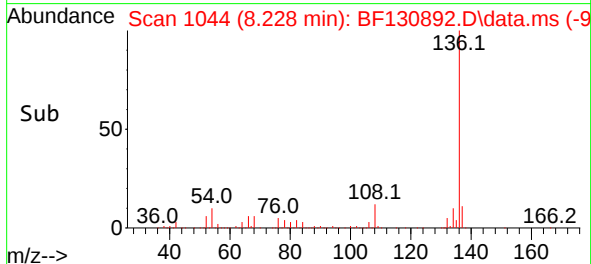
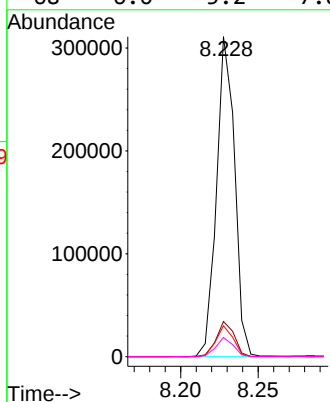
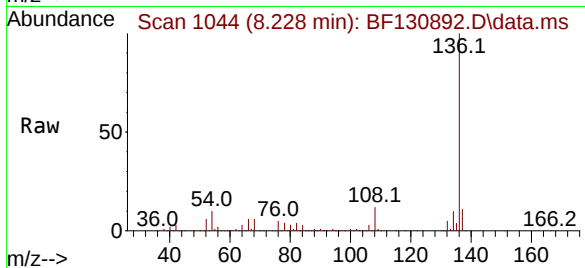
Ion Ratio Lower Upper

136 100

137 11.0 9.2 13.8

54 9.7 8.8 13.2

68 6.0 5.2 7.8



#23

Nitrobenzene-d5

Concen: 28.177 ng

RT: 7.504 min Scan# 921

Delta R.T. -0.012 min

Lab File: BF130892.D

Acq: 31 Oct 2022 22:03

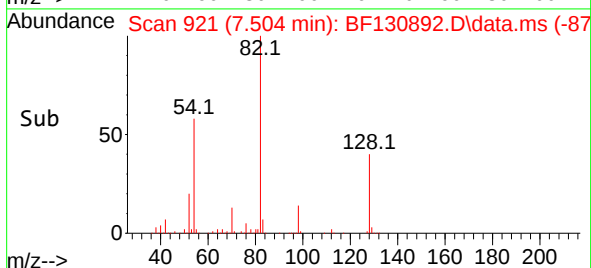
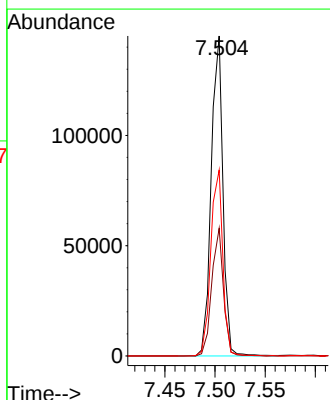
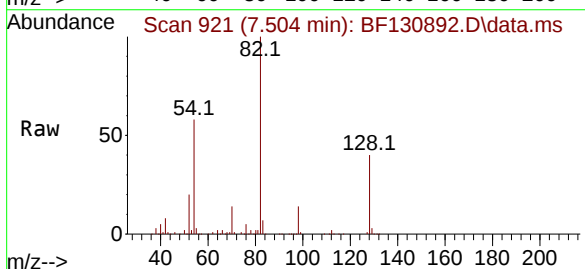
Tgt Ion: 82 Resp: 118266

Ion Ratio Lower Upper

82 100

128 39.9 31.2 46.8

54 58.1 48.0 72.0

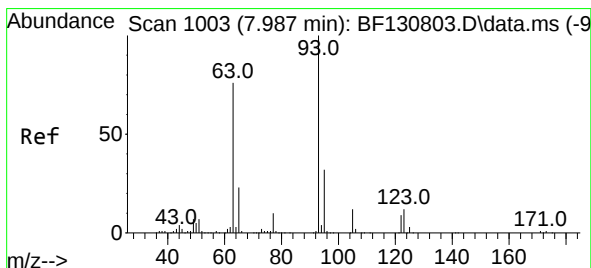
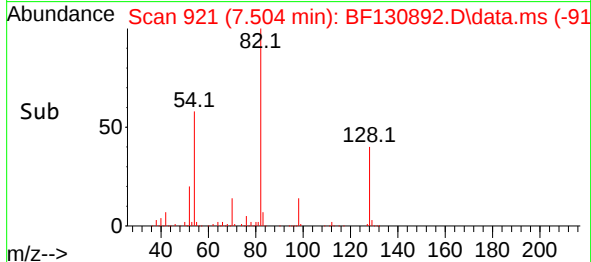
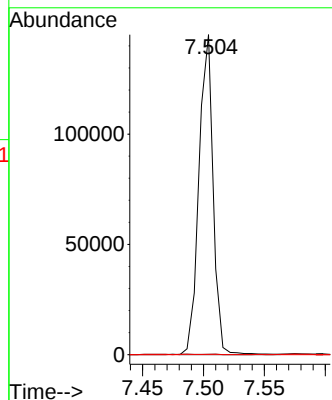
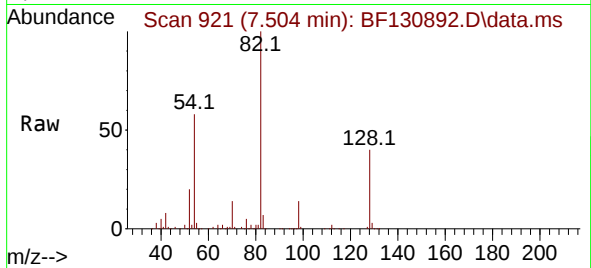




#25
Isophorone
Concen: 13.655 ng
RT: 7.504 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

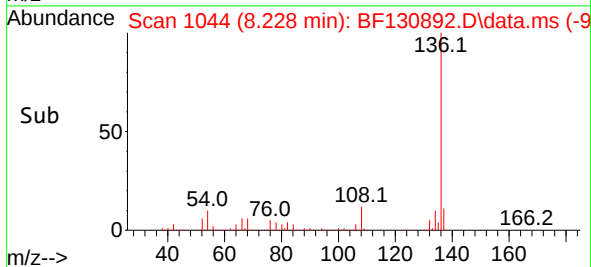
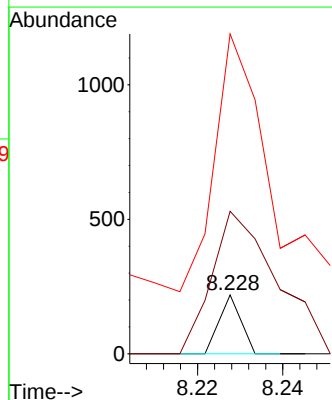
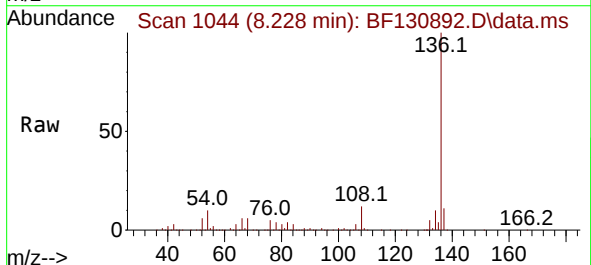
Instrument :
BNA_F
ClientSampleId :
OK-2-102822

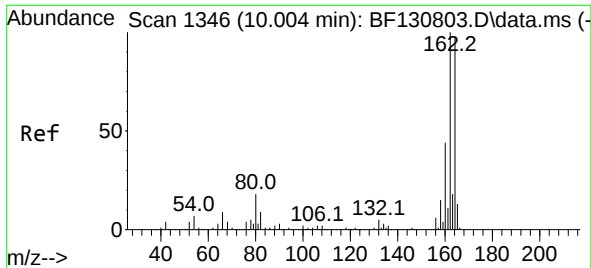
Tgt Ion: 82 Resp: 118187
Ion Ratio Lower Upper
82 100
95 0.2 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.705 ng
RT: 8.228 min Scan# 1044
Delta R.T. 0.241 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

Tgt Ion: 122 Resp: 77
Ion Ratio Lower Upper
122 100
105 242.0 114.5 154.5#
77 542.9 89.8 129.8#

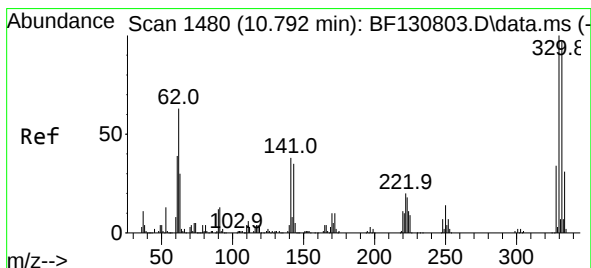
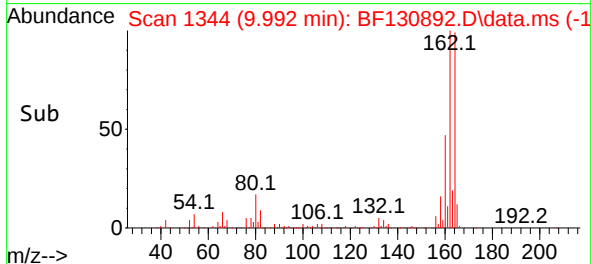
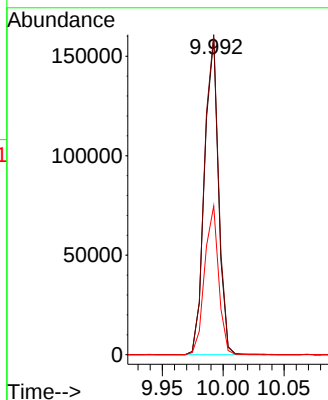
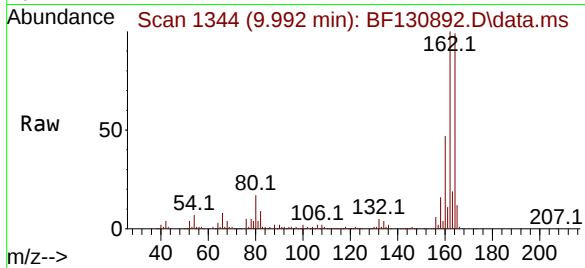




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

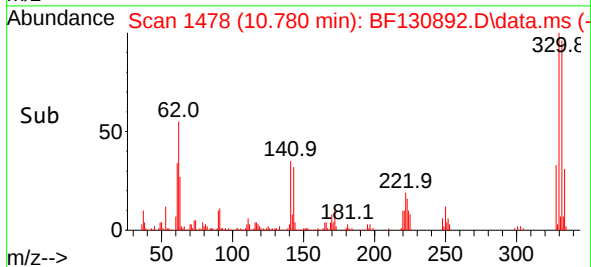
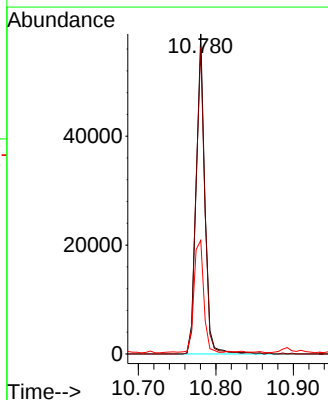
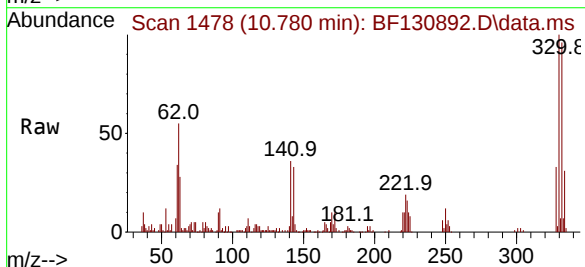
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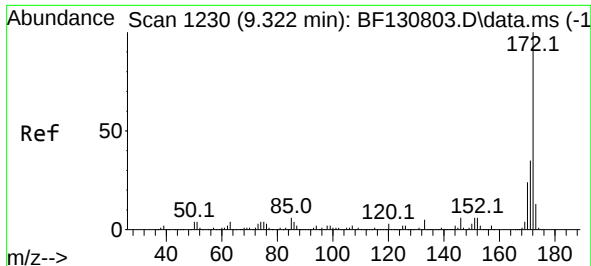
Tgt Ion:164 Resp: 126617
Ion Ratio Lower Upper
164 100
162 101.0 82.2 123.2
160 47.0 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 43.095 ng
RT: 10.780 min Scan# 1478
Delta R.T. -0.006 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

Tgt Ion:330 Resp: 45933
Ion Ratio Lower Upper
330 100
332 96.0 76.2 114.4
141 40.1 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 25.239 ng

RT: 9.304 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130892.D

Acq: 31 Oct 2022 22:03

Instrument :

BNA_F

ClientSampleId :

OK-2-102822

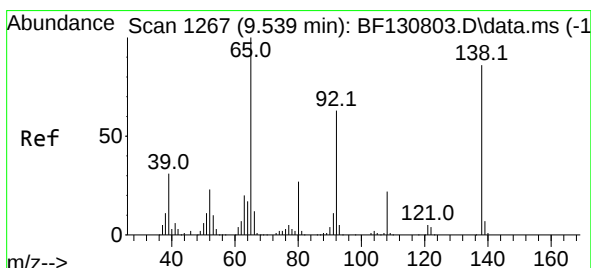
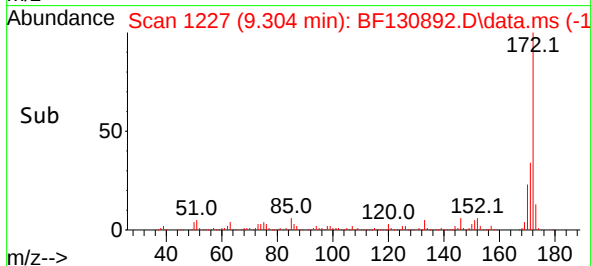
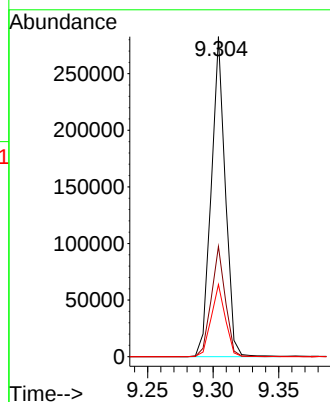
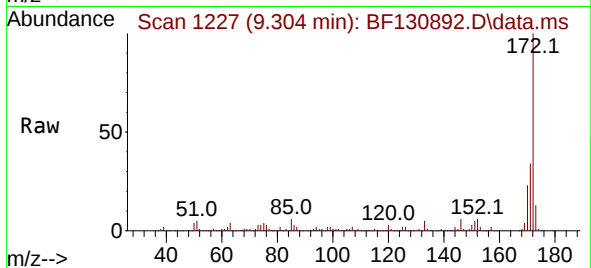
Tgt Ion:172 Resp: 211372

Ion Ratio Lower Upper

172 100

171 34.4 28.1 42.1

170 22.5 19.0 28.4



#48

2-Nitroaniline

Concen: 4.199 ng

RT: 9.533 min Scan# 1266

Delta R.T. -0.000 min

Lab File: BF130892.D

Acq: 31 Oct 2022 22:03

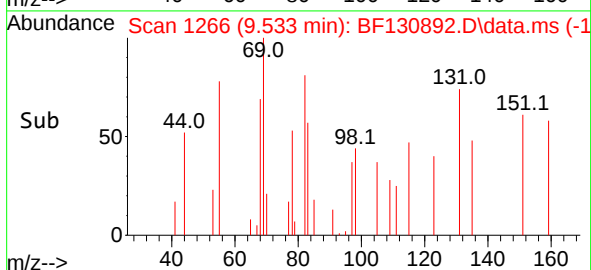
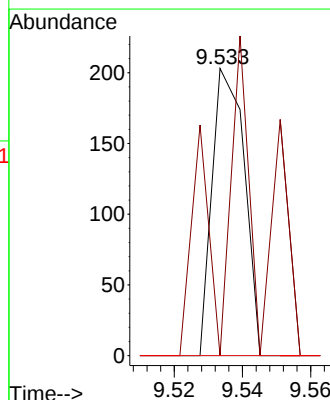
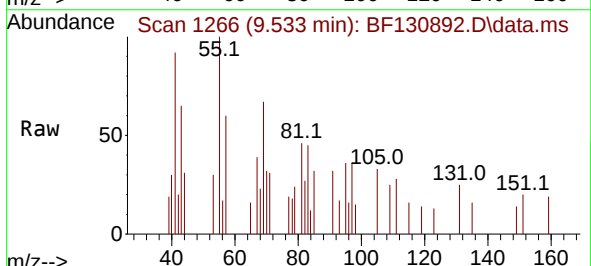
Tgt Ion: 65 Resp: 133

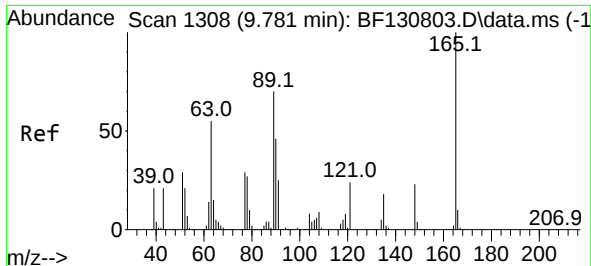
Ion Ratio Lower Upper

65 100

92 0.0 50.1 75.1#

138 0.0 69.2 103.8#

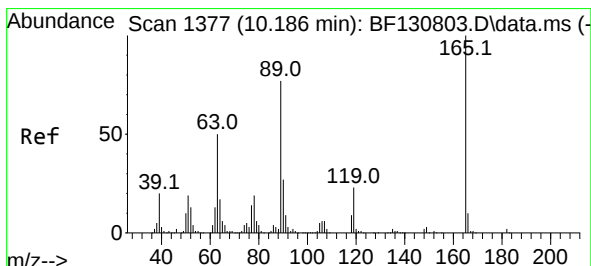
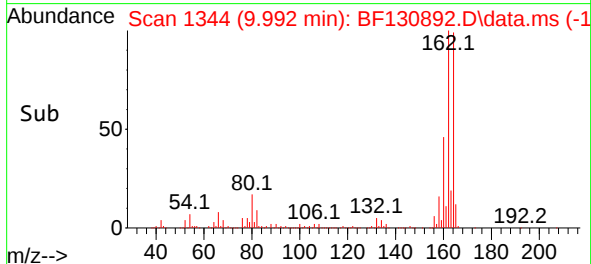
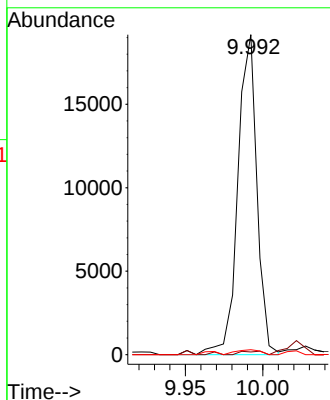
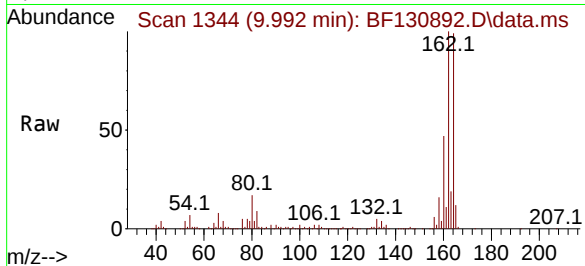




#51
2,6-Dinitrotoluene
Concen: 12.167 ng
RT: 9.992 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

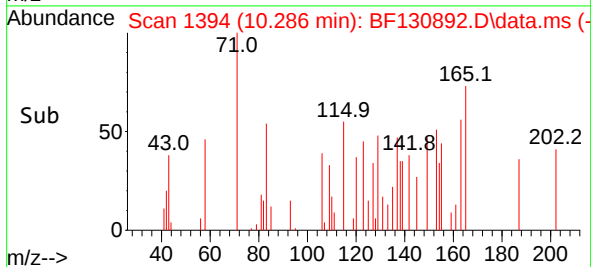
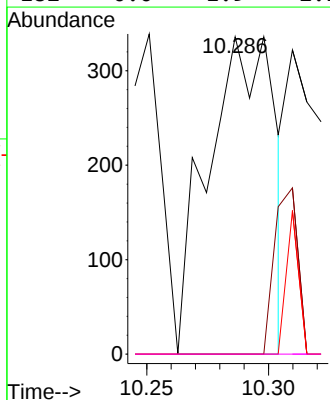
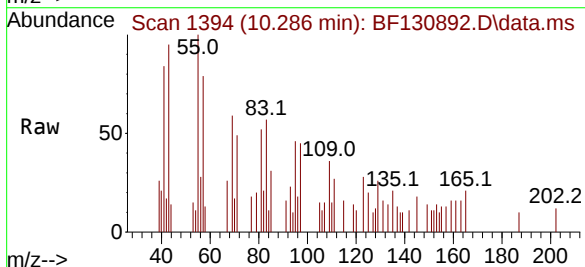
Instrument :
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OK-2-102822

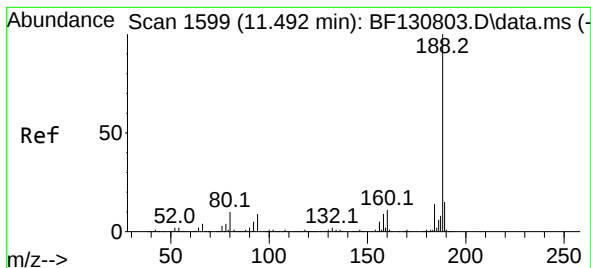
Tgt Ion:165 Resp: 16461
Ion Ratio Lower Upper
165 100
63 0.9 61.8 92.8#
89 1.6 56.2 84.4#



#57
2,4-Dinitrotoluene
Concen: 3.989 ng
RT: 10.286 min Scan# 1394
Delta R.T. 0.106 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

Tgt Ion:165 Resp: 637
Ion Ratio Lower Upper
165 100
63 0.0 39.8 59.6#
89 0.0 61.9 92.9#
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF130892.D

Acq: 31 Oct 2022 22:03

Instrument :

BNA_F

ClientSampleId :

OK-2-102822

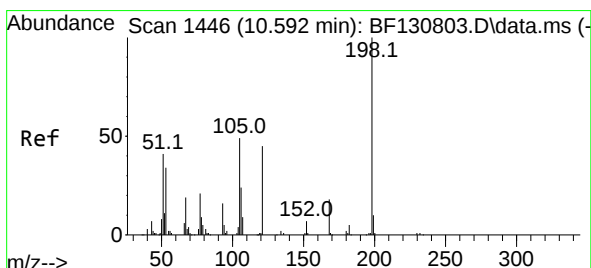
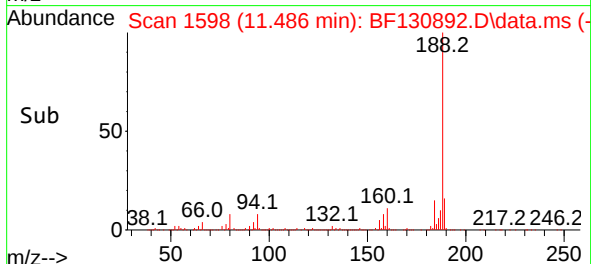
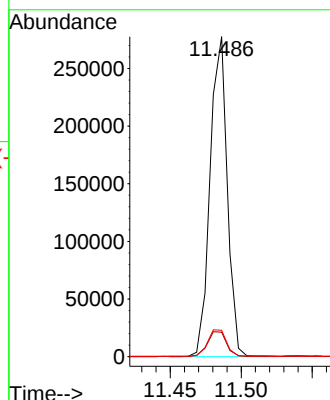
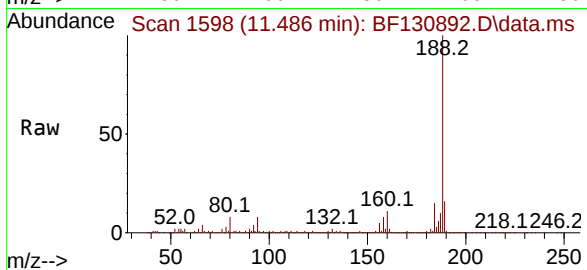
Tgt Ion:188 Resp: 234245

Ion Ratio Lower Upper

188 100

94 7.7 7.4 11.2

80 8.3 8.0 12.0



#65

4,6-Dinitro-2-methylphenol

Concen: 7.979 ng

RT: 10.780 min Scan# 1478

Delta R.T. 0.194 min

Lab File: BF130892.D

Acq: 31 Oct 2022 22:03

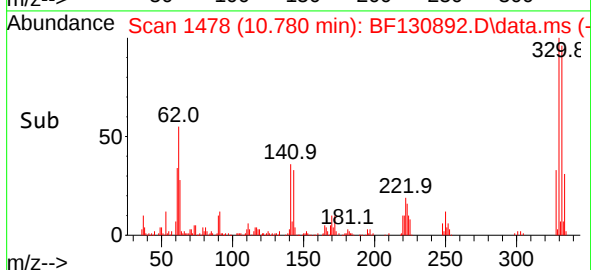
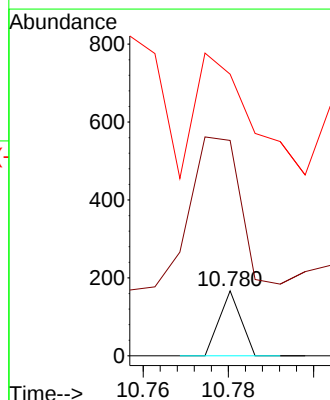
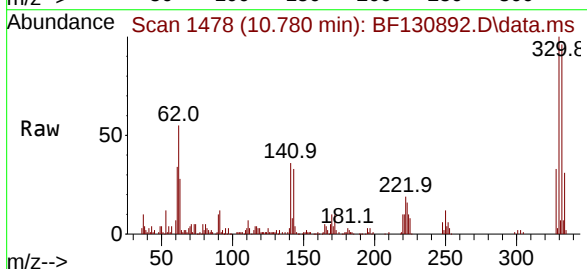
Tgt Ion:198 Resp: 59

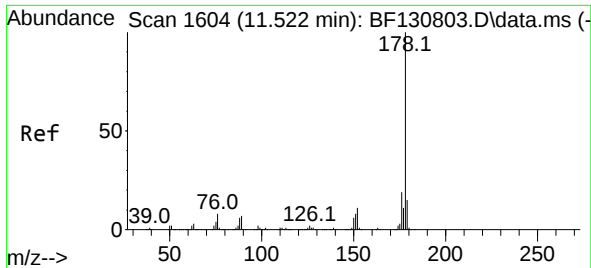
Ion Ratio Lower Upper

198 100

51 331.1 39.0 79.0#

105 432.9 30.6 70.6#

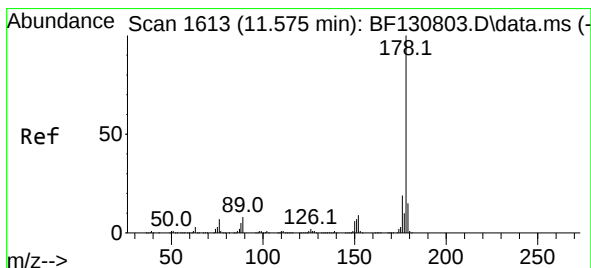
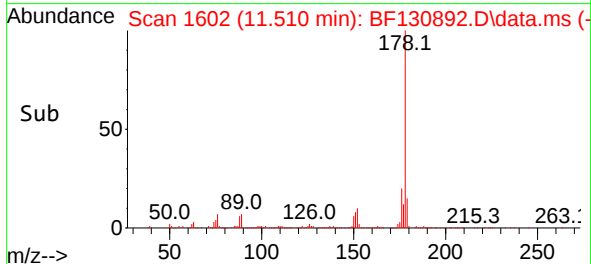
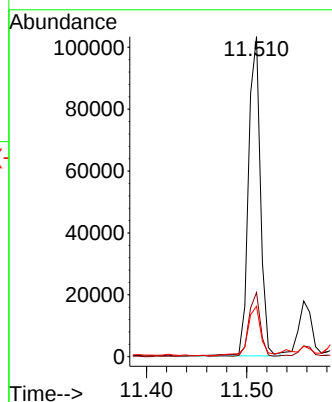
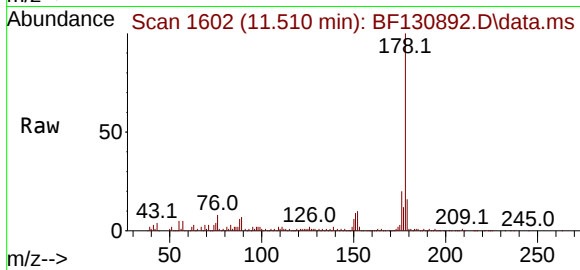




#71
Phenanthrene
Concen: 7.025 ng
RT: 11.510 min Scan# 1602
Delta R.T. -0.000 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

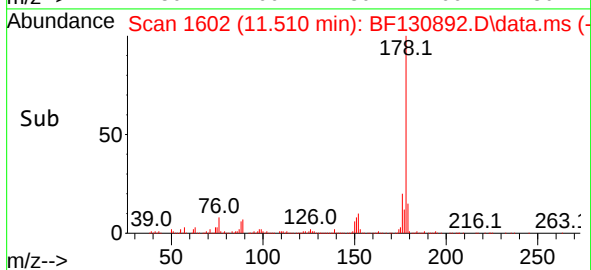
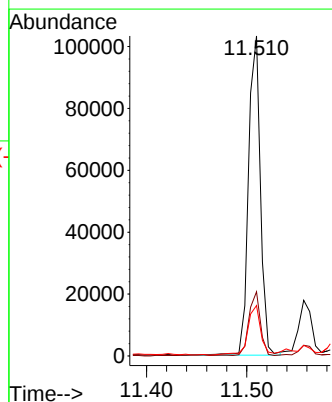
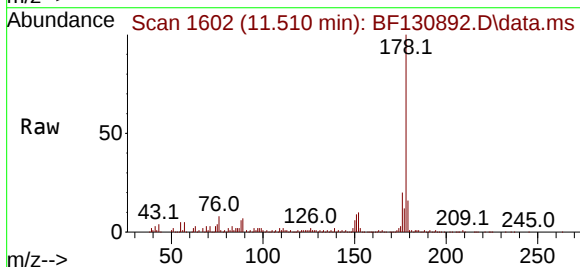
Instrument :
BNA_F
ClientSampleId :
OK-2-102822

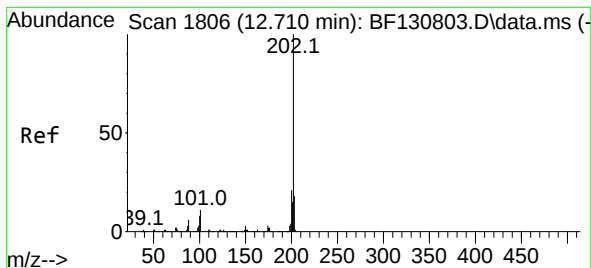
Tgt Ion:178 Resp: 84934
Ion Ratio Lower Upper
178 100
176 20.1 15.5 23.3
179 15.7 12.2 18.2



#72
Anthracene
Concen: 7.122 ng
RT: 11.510 min Scan# 1602
Delta R.T. -0.053 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

Tgt Ion:178 Resp: 84934
Ion Ratio Lower Upper
178 100
176 20.1 15.4 23.0
179 15.7 12.2 18.4





#75

Fluoranthene

Concen: 10.509 ng

RT: 12.704 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF130892.D

Acq: 31 Oct 2022 22:03

Instrument :

BNA_F

ClientSampleId :

OK-2-102822

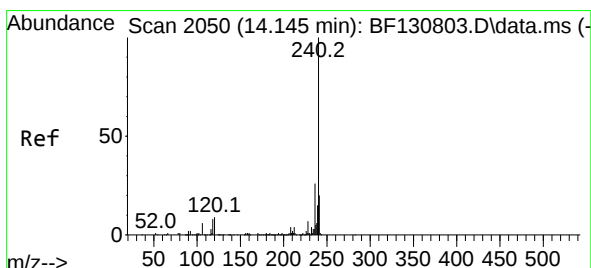
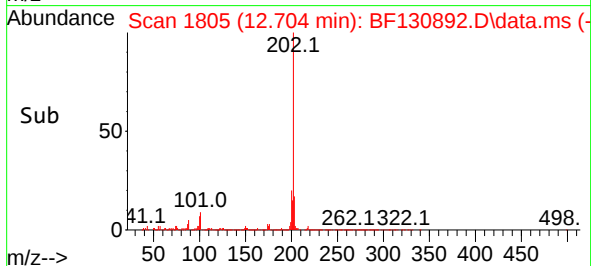
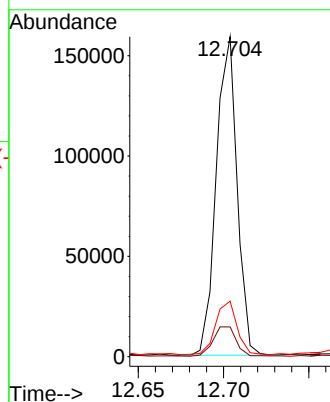
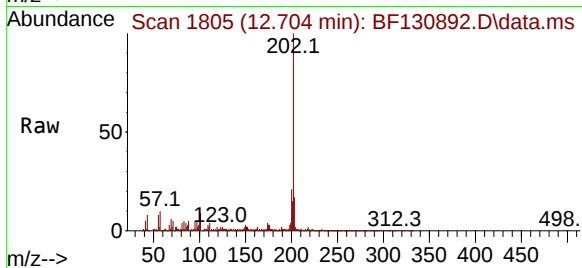
Tgt Ion:202 Resp: 134994

Ion Ratio Lower Upper

202 100

101 9.3 0.0 30.9

203 17.3 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.133 min Scan# 2048

Delta R.T. -0.000 min

Lab File: BF130892.D

Acq: 31 Oct 2022 22:03

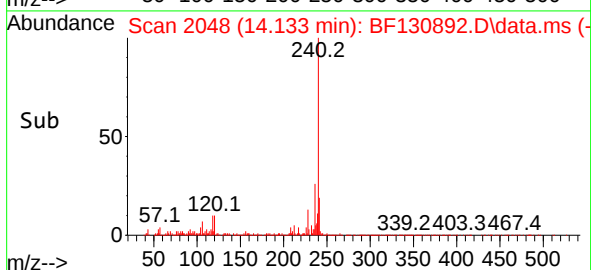
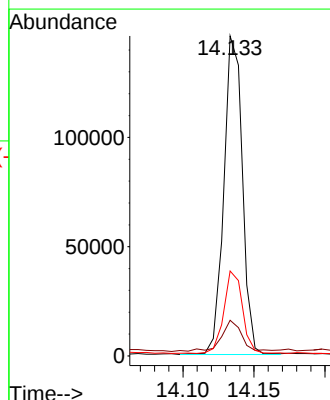
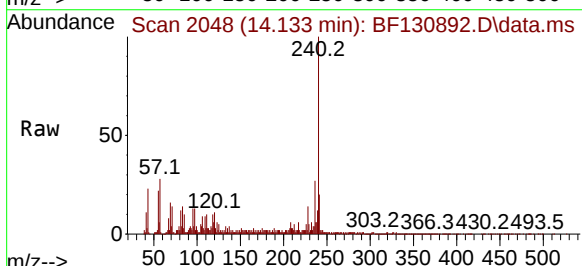
Tgt Ion:240 Resp: 132070

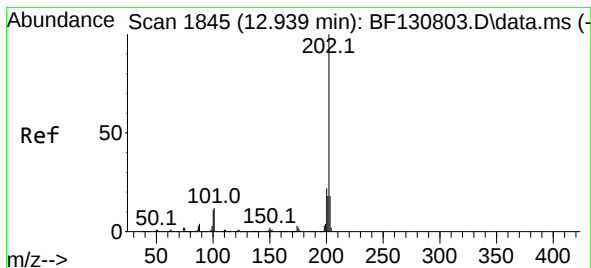
Ion Ratio Lower Upper

240 100

120 11.2 7.0 10.4#

236 26.6 20.5 30.7





#78

Pyrene

Concen: 10.953 ng

RT: 12.933 min Scan# 1844

Delta R.T. -0.000 min

Lab File: BF130892.D

Acq: 31 Oct 2022 22:03

Instrument :

BNA_F

ClientSampleId :

OK-2-102822

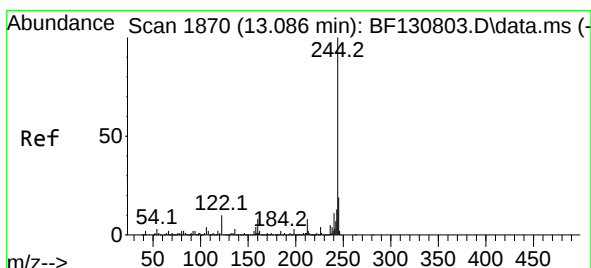
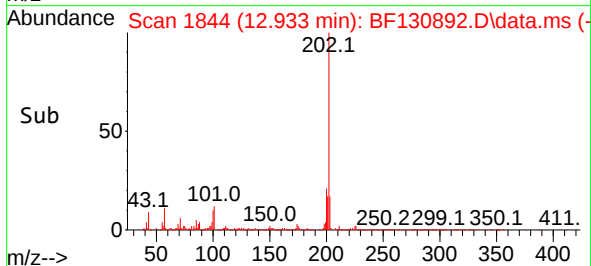
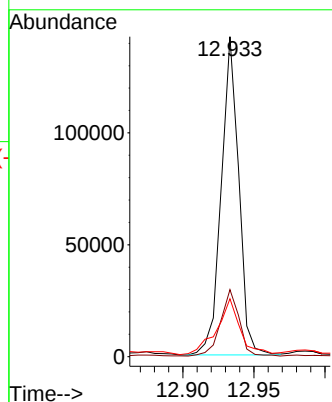
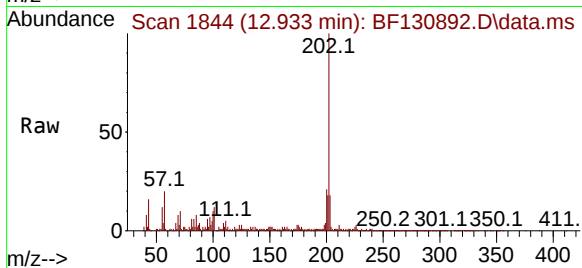
Tgt Ion:202 Resp: 122046

Ion Ratio Lower Upper

202 100

200 21.0 17.2 25.8

203 18.1 14.5 21.7



#79

Terphenyl-d14

Concen: 30.346 ng

RT: 13.074 min Scan# 1868

Delta R.T. -0.000 min

Lab File: BF130892.D

Acq: 31 Oct 2022 22:03

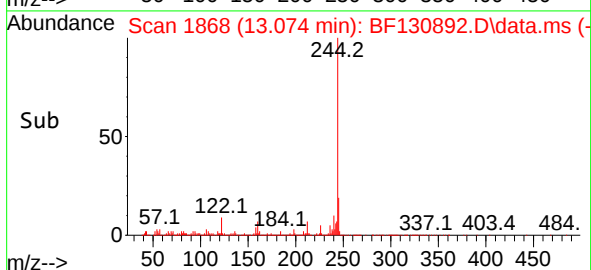
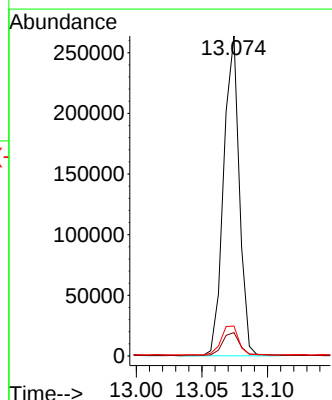
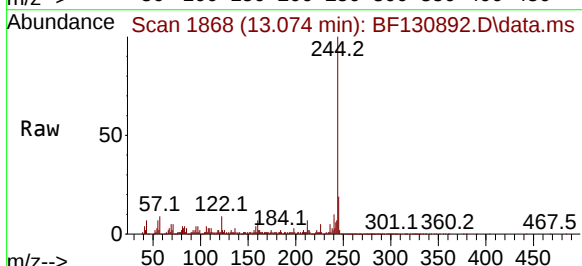
Tgt Ion:244 Resp: 218714

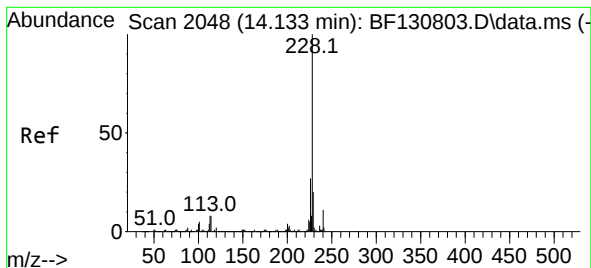
Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

122 9.4 7.9 11.9





#81

Benzo(a)anthracene

Concen: 5.007 ng

RT: 14.127 min Scan# 2048

Delta R.T. 0.006 min

Lab File: BF130892.D

Acq: 31 Oct 2022 22:03

Instrument :

BNA_F

ClientSampleId :

OK-2-102822

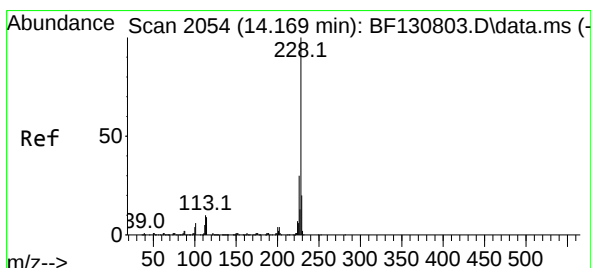
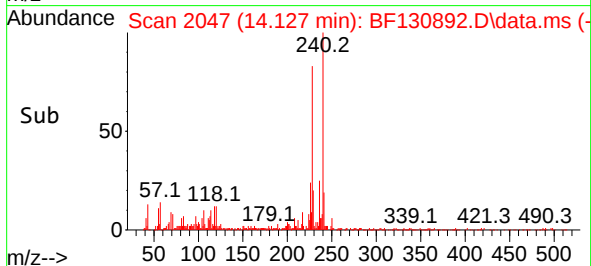
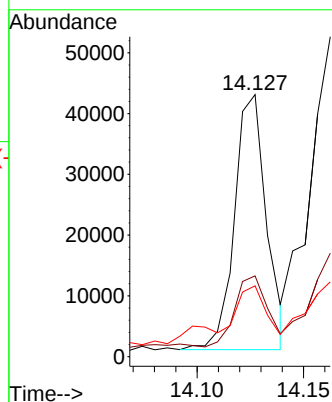
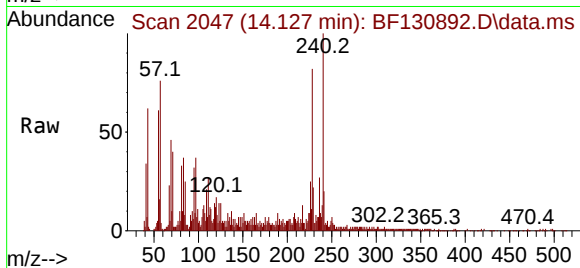
Tgt Ion:228 Resp: 43842

Ion Ratio Lower Upper

228 100

226 30.9 21.4 32.2

229 27.1 15.8 23.6#



#83

Chrysene

Concen: 6.169 ng

RT: 14.163 min Scan# 2053

Delta R.T. 0.006 min

Lab File: BF130892.D

Acq: 31 Oct 2022 22:03

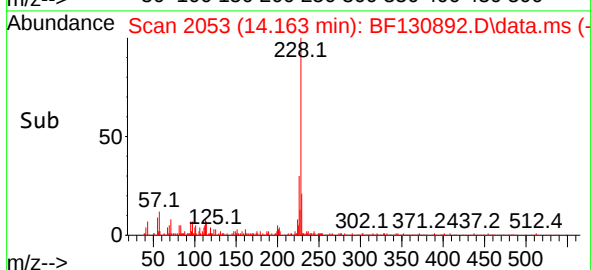
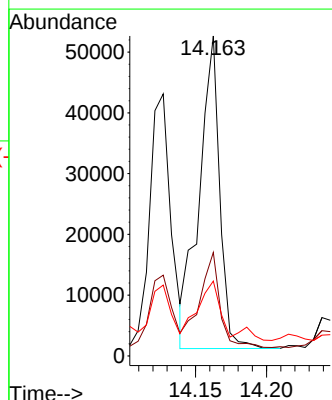
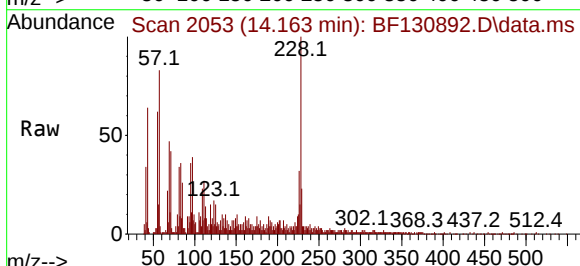
Tgt Ion:228 Resp: 52106

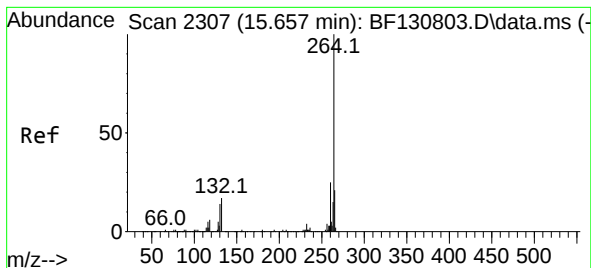
Ion Ratio Lower Upper

228 100

226 32.4 23.9 35.9

229 23.4 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.662 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF130892.D

Acq: 31 Oct 2022 22:03

Instrument :

BNA_F

ClientSampleId :

OK-2-102822

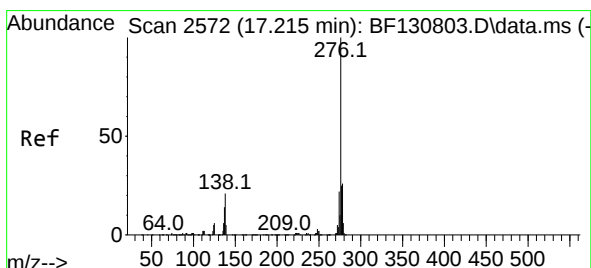
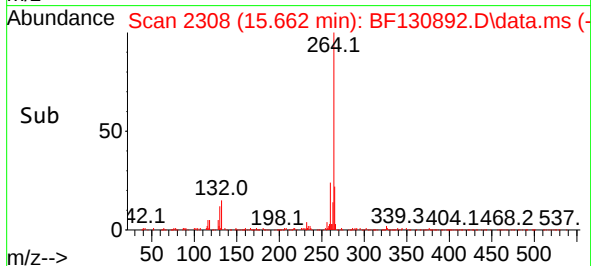
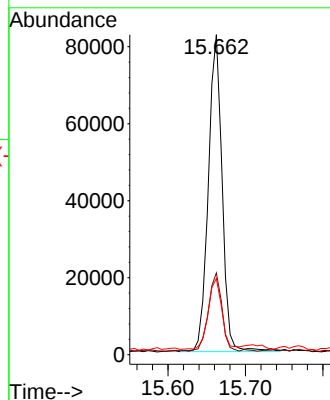
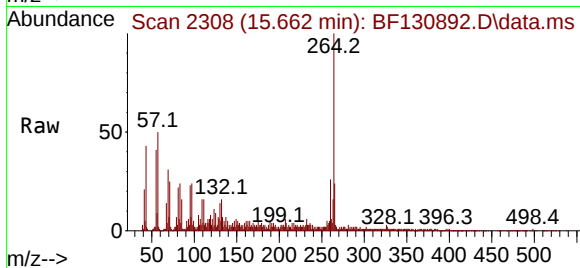
Tgt Ion:264 Resp: 102019

Ion Ratio Lower Upper

264 100

260 25.5 19.9 29.9

265 23.8 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.600 ng

RT: 17.209 min Scan# 2571

Delta R.T. 0.018 min

Lab File: BF130892.D

Acq: 31 Oct 2022 22:03

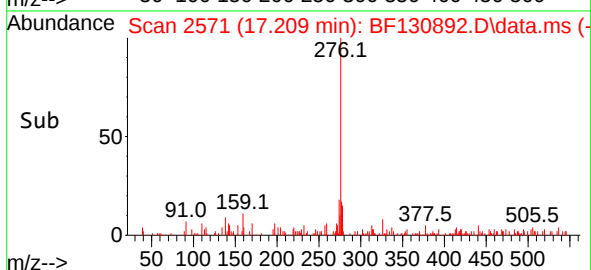
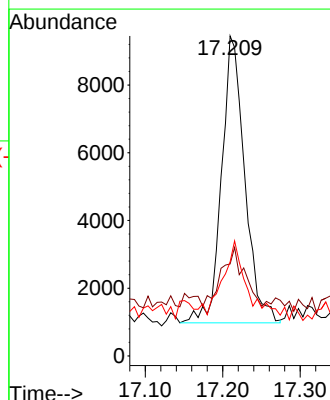
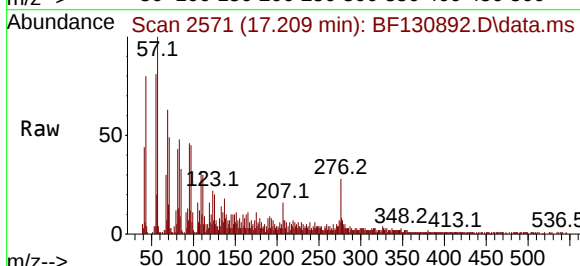
Tgt Ion:276 Resp: 17615

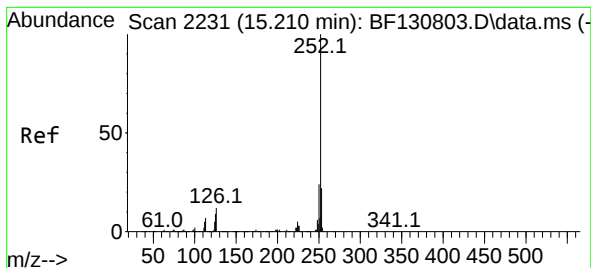
Ion Ratio Lower Upper

276 100

138 21.1 19.1 28.7

277 25.4 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 9.349 ng

RT: 15.204 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF130892.D

Acq: 31 Oct 2022 22:03

Instrument :

BNA_F

ClientSampleId :

OK-2-102822

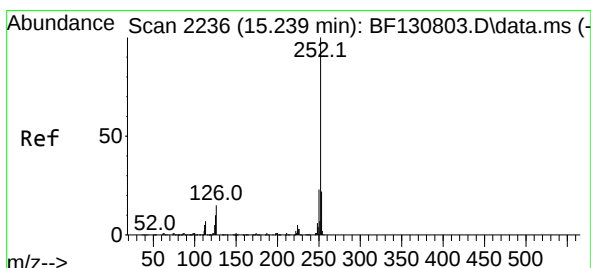
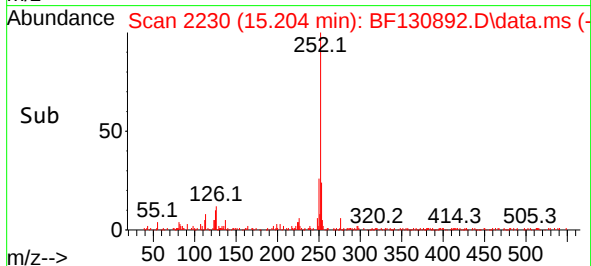
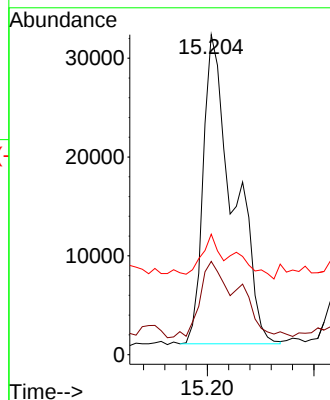
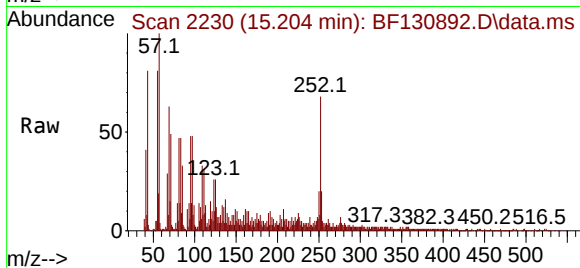
Tgt Ion:252 Resp: 61656

Ion Ratio Lower Upper

252 100

253 29.2 17.5 26.3#

125 37.7 7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 9.595 ng

RT: 15.204 min Scan# 2230

Delta R.T. -0.024 min

Lab File: BF130892.D

Acq: 31 Oct 2022 22:03

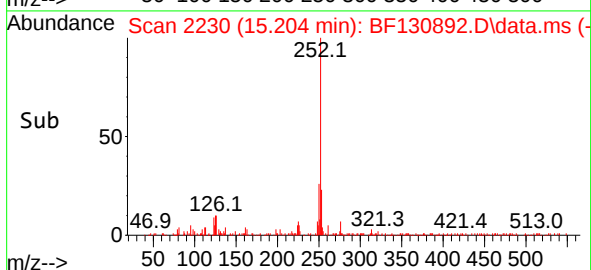
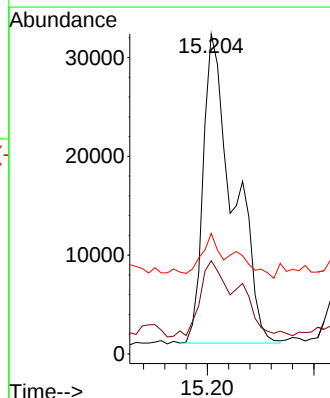
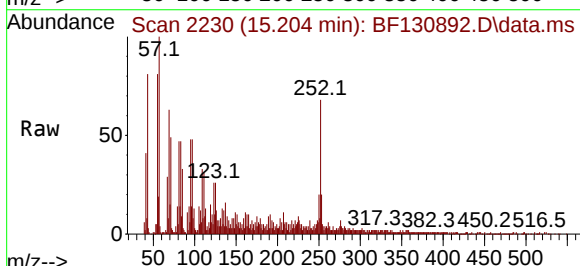
Tgt Ion:252 Resp: 61656

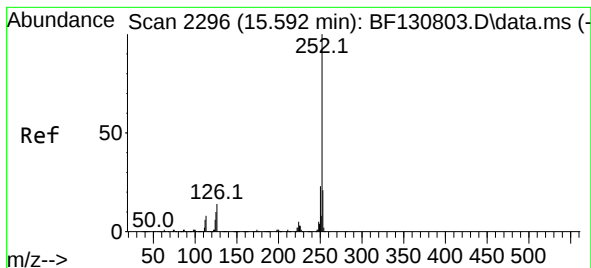
Ion Ratio Lower Upper

252 100

253 29.2 17.5 26.3#

125 37.7 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 5.866 ng

RT: 15.592 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF130892.D

Acq: 31 Oct 2022 22:03

Instrument :

BNA_F

ClientSampleId :

OK-2-102822

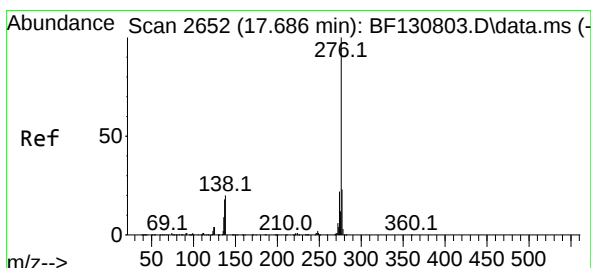
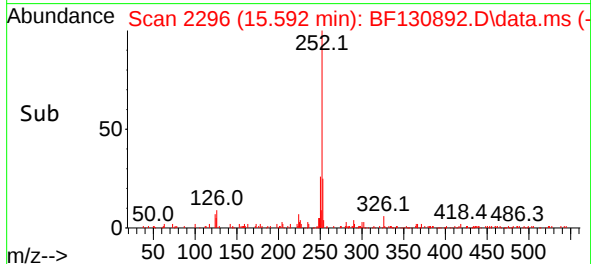
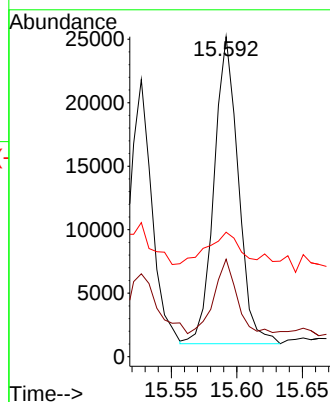
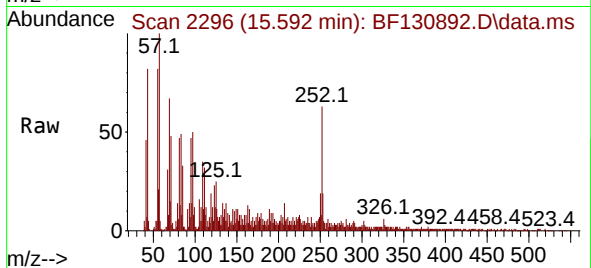
Tgt Ion:252 Resp: 31096

Ion Ratio Lower Upper

252 100

253 30.5 16.8 25.2#

125 38.9 8.3 12.5#



#92

Benzo(g,h,i)perylene

Concen: 3.402 ng

RT: 17.686 min Scan# 2652

Delta R.T. 0.018 min

Lab File: BF130892.D

Acq: 31 Oct 2022 22:03

Tgt Ion:276 Resp: 19171

Ion Ratio Lower Upper

276 100

277 34.2 18.8 28.2#

138 34.4 16.3 24.5#

