

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
 Data File : BF130884.D
 Acq On : 31 Oct 2022 17:42
 Operator : CG\JU
 Sample : N5239-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CBH-594

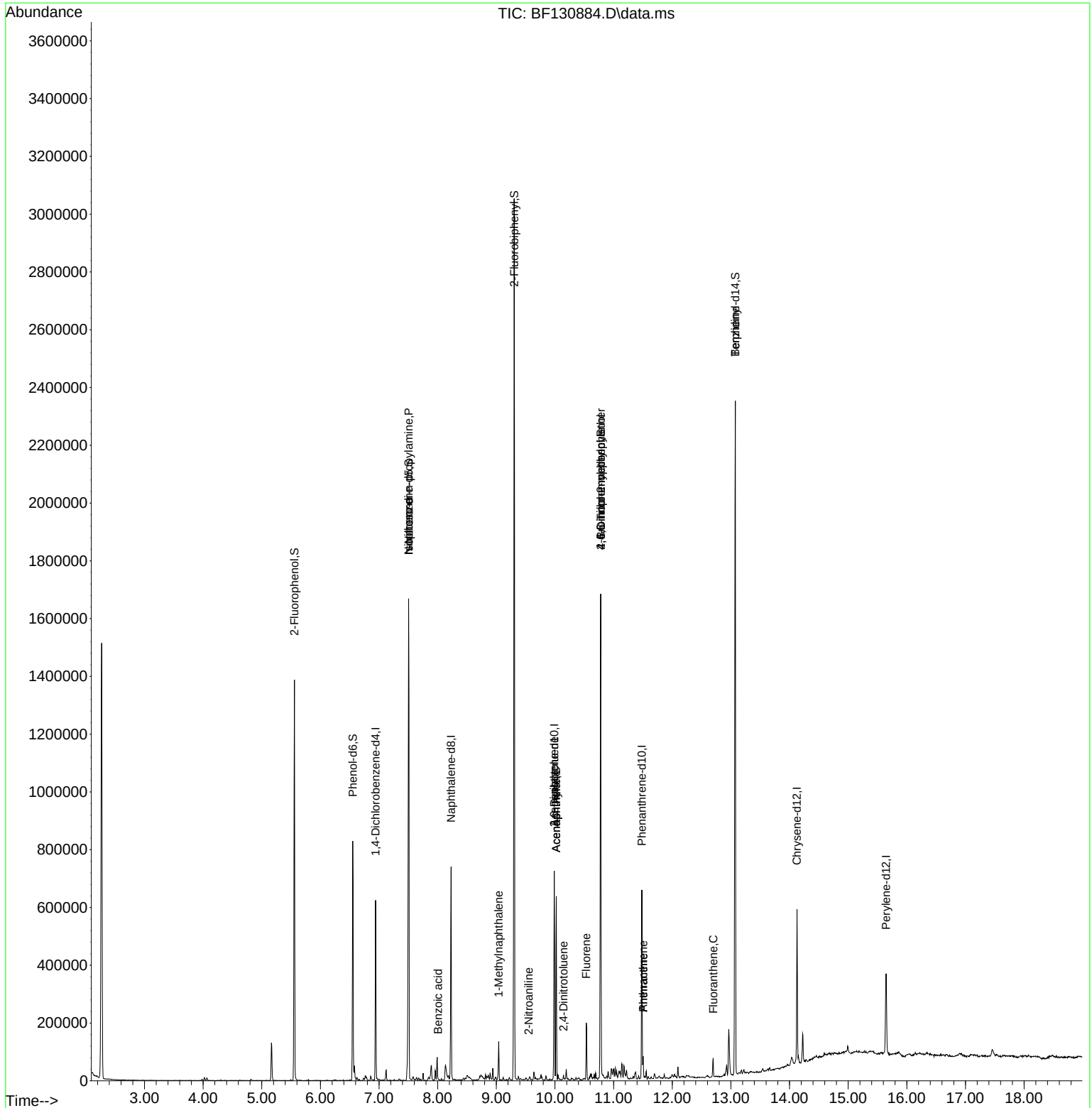
Quant Time: Nov 01 02:29:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 05:41:34 2022
 Response via : Initial Calibration

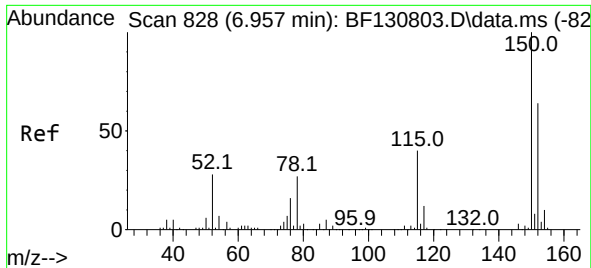
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.940	152	78111	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	280931	20.000	ng	# 0.00
39) Acenaphthene-d10	9.986	164	131280	20.000	ng	-0.01
64) Phenanthrene-d10	11.480	188	206714	20.000	ng	0.00
76) Chrysene-d12	14.127	240	159910	20.000	ng	0.00
86) Perylene-d12	15.645	264	124363	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	307226	68.186	ng	0.00
7) Phenol-d6	6.551	99	236823	40.447	ng	-0.01
23) Nitrobenzene-d5	7.504	82	547179	117.446	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	172841	156.401	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	903225	104.020	ng	0.00
79) Terphenyl-d14	13.074	244	780815	89.476	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.504	70	77279	19.399	ng	# 79
25) Isophorone	7.504	82	545387	56.767	ng	# 66
32) Benzoic acid	8.004	122	55	7.696	ng	# 11
38) 1-Methylnaphthalene	9.039	142	27367	3.050	ng	97
48) 2-Nitroaniline	9.551	65	138	4.199	ng	# 12
49) Acenaphthylene	10.022	152	63217	5.334	ng	# 1
51) 2,6-Dinitrotoluene	9.986	165	16490	11.850	ng	# 14
52) Acenaphthene	10.022	154	119044	16.244	ng	99
57) 2,4-Dinitrotoluene	10.145	165	781	4.041	ng	# 45
58) Fluorene	10.533	166	50899	6.085	ng	98
65) 4,6-Dinitro-2-methylph...	10.780	198	337	8.254	ng	# 1
67) 4-Bromophenyl-phenylether	10.780	248	11138	5.358	ng	# 1
71) Phenanthrene	11.504	178	23341	2.188	ng	98
72) Anthracene	11.504	178	23341	2.218	ng	98
75) Fluoranthene	12.698	202	27010	2.383	ng	98
77) Benzidine	13.074	184	12270	3.161	ng	97

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

Quant Time: Nov 01 02:29:42 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

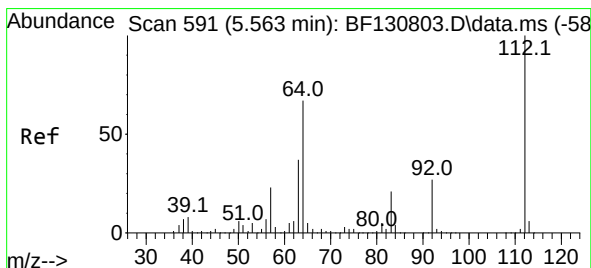
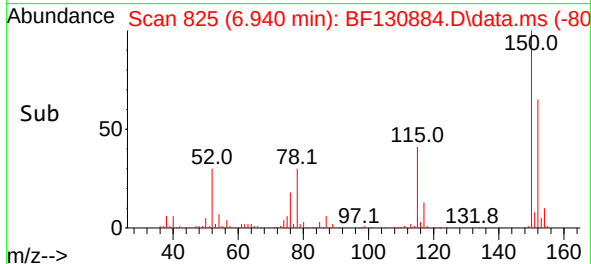
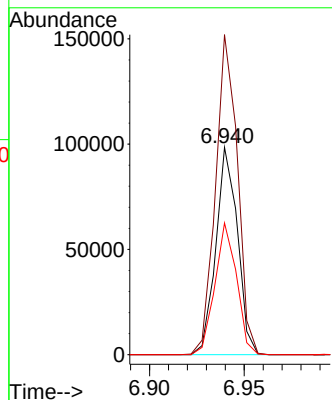
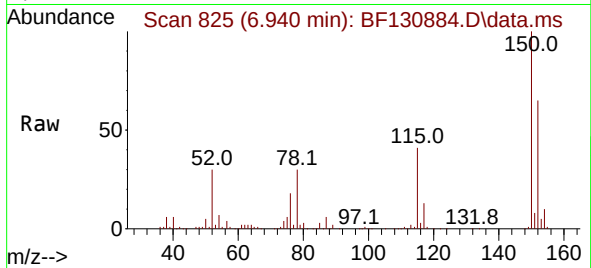




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.940 min Scan# 81
Delta R.T. -0.005 min
Lab File: BF130884.D
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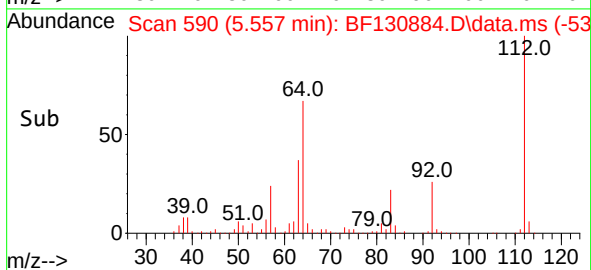
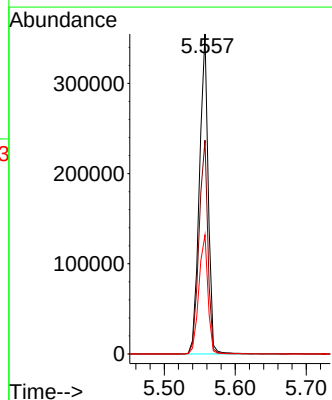
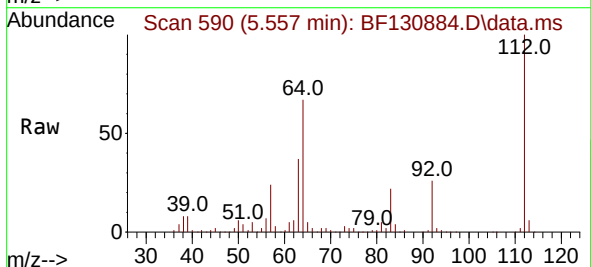
Instrument :
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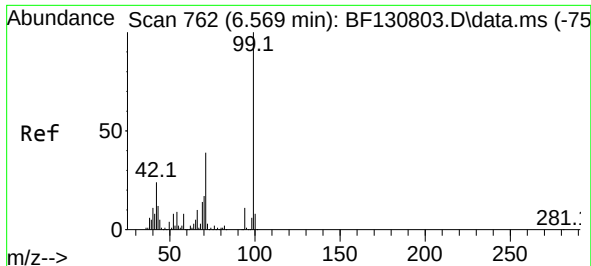
Tgt Ion:152 Resp: 78111
Ion Ratio Lower Upper
152 100
150 154.4 124.1 186.1
115 63.5 50.1 75.1



#5
2-Fluorophenol
Concen: 68.186 ng
RT: 5.557 min Scan# 590
Delta R.T. -0.000 min
Lab File: BF130884.D
Acq: 31 Oct 2022 17:42

Tgt Ion:112 Resp: 307226
Ion Ratio Lower Upper
112 100
64 66.8 53.9 80.9
63 37.2 29.4 44.2

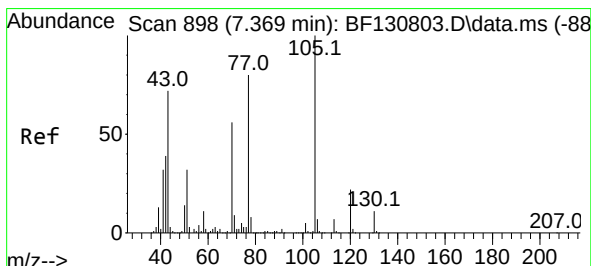
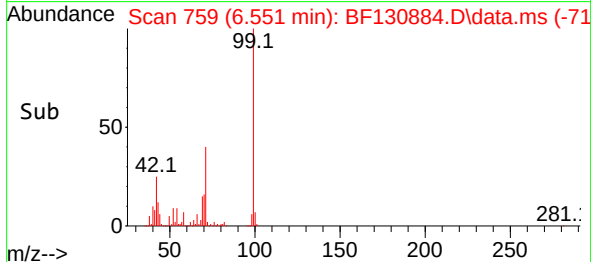
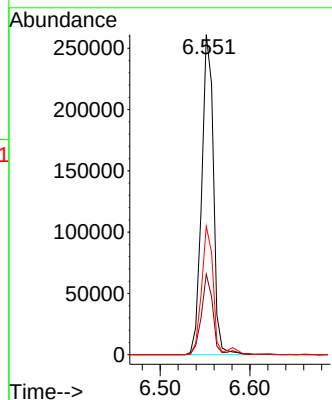
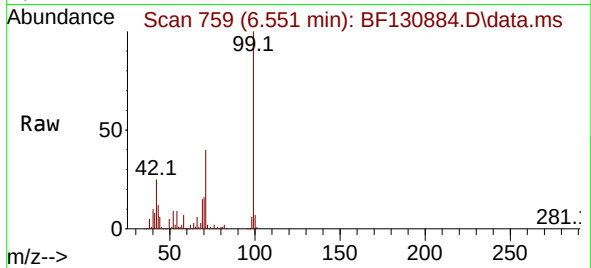




#7
Phenol-d6
Concen: 40.447 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF130884.D
Acq: 31 Oct 2022 17:42

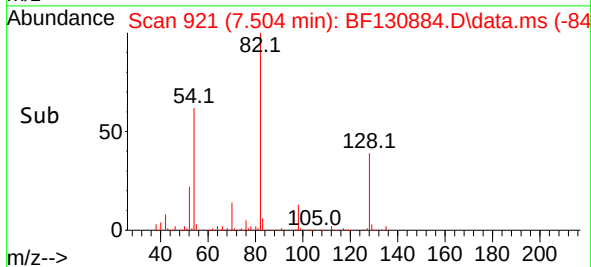
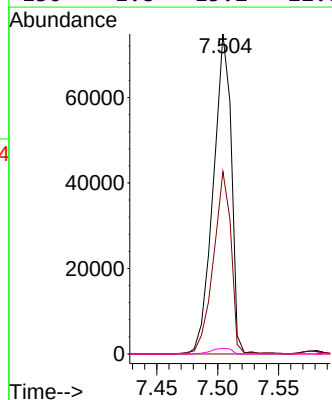
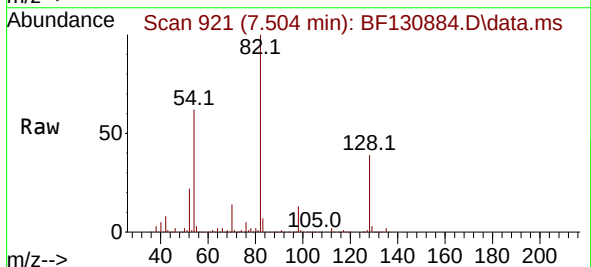
Instrument :
BNA_F
ClientSampleId :
CBH-594

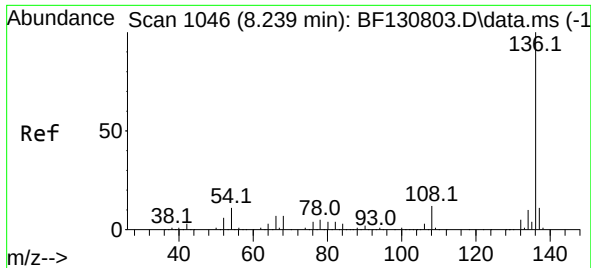
Tgt Ion: 99 Resp: 236823
Ion Ratio Lower Upper
99 100
42 25.1 18.8 28.2
71 40.2 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 19.399 ng
RT: 7.504 min Scan# 921
Delta R.T. 0.141 min
Lab File: BF130884.D
Acq: 31 Oct 2022 17:42

Tgt Ion: 70 Resp: 77279
Ion Ratio Lower Upper
70 100
42 57.0 56.1 84.1
101 0.0 7.3 10.9#
130 1.8 15.2 22.8#

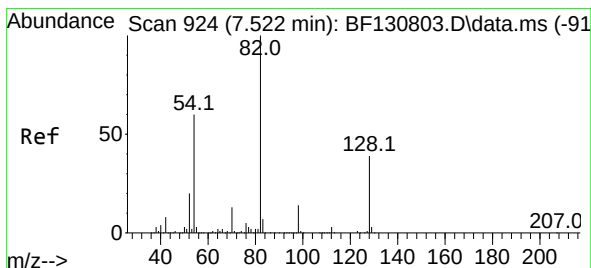
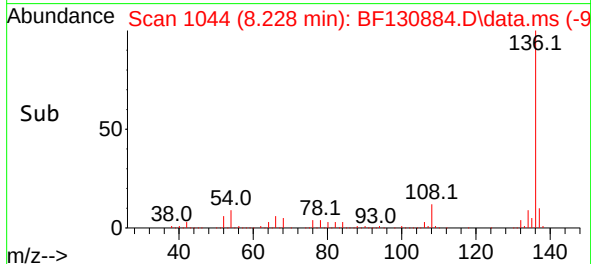
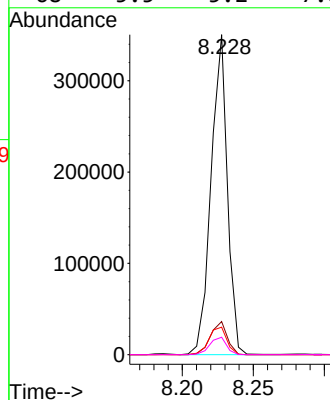
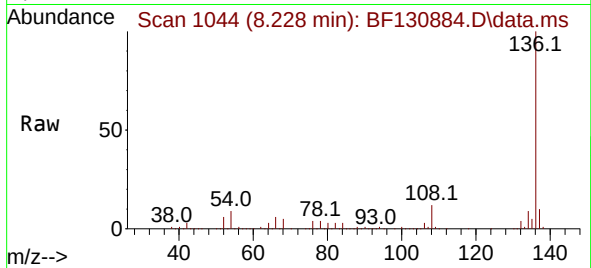




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF130884.D
Acq: 31 Oct 2022 17:42

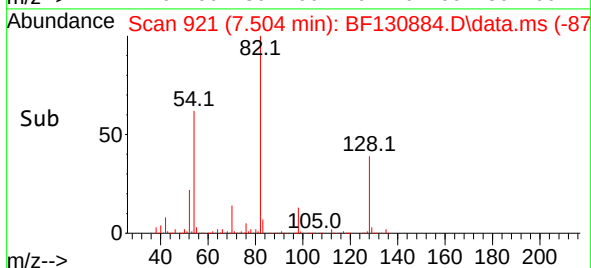
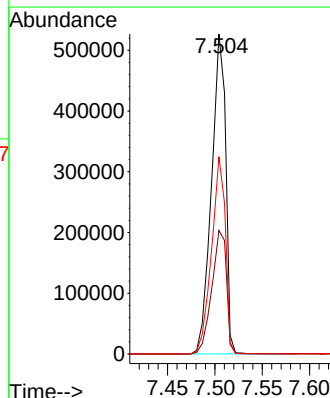
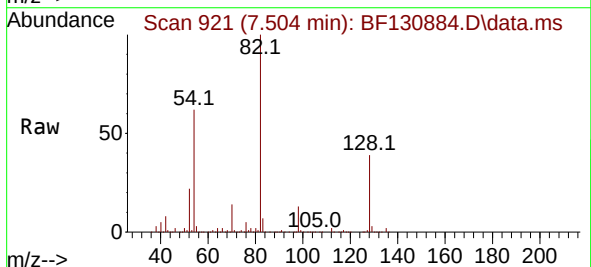
Instrument :
BNA_F
ClientSampleId :
CBH-594

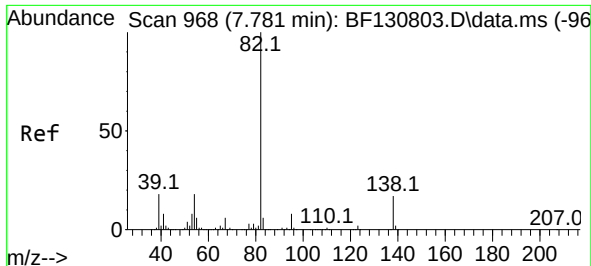
Tgt Ion:136	Resp: 280931
Ion Ratio	Lower Upper
136	100
137	10.3 9.2 13.8
54	8.6 8.8 13.2#
68	5.5 5.2 7.8



#23
Nitrobenzene-d5
Concen: 117.446 ng
RT: 7.504 min Scan# 921
Delta R.T. -0.012 min
Lab File: BF130884.D
Acq: 31 Oct 2022 17:42

Tgt Ion: 82	Resp: 547179
Ion Ratio	Lower Upper
82	100
128	38.6 31.2 46.8
54	61.7 48.0 72.0

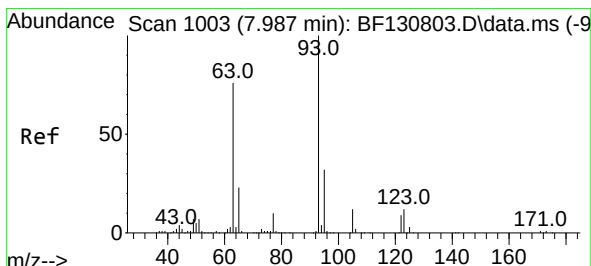
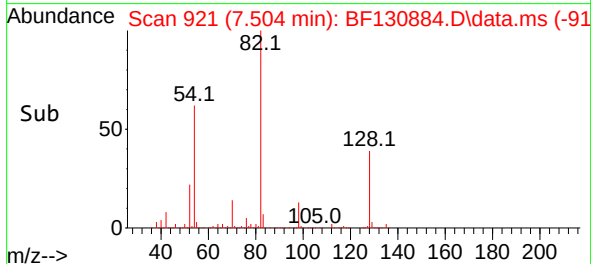
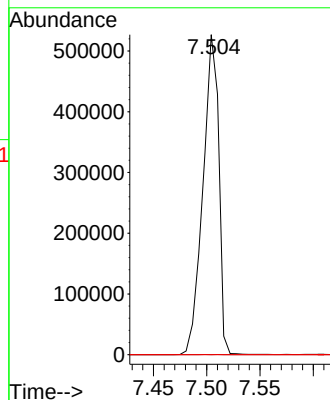
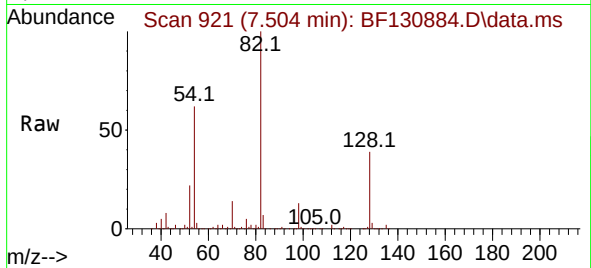




#25
Isophorone
Concen: 56.767 ng
RT: 7.504 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF130884.D
Acq: 31 Oct 2022 17:42

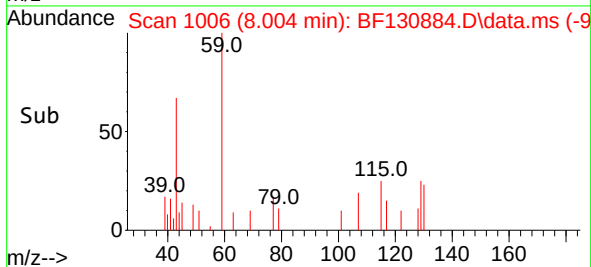
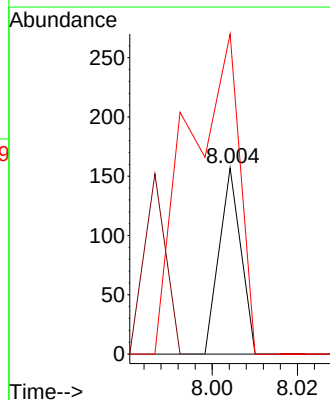
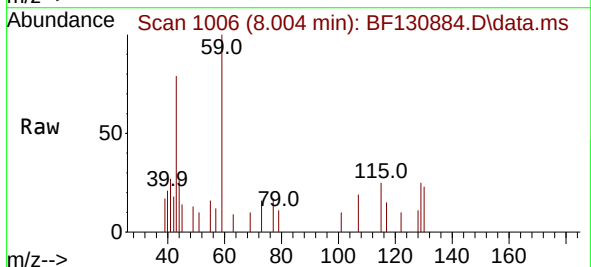
Instrument :
BNA_F
ClientSampleId :
CBH-594

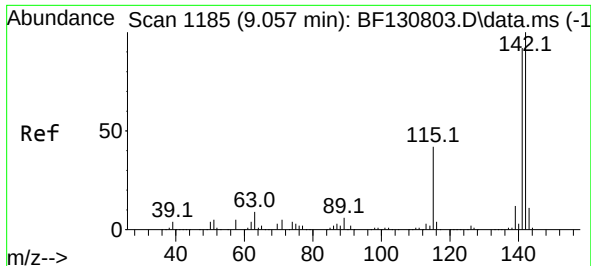
Tgt Ion: 82 Resp: 545387
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.696 ng
RT: 8.004 min Scan# 1006
Delta R.T. 0.018 min
Lab File: BF130884.D
Acq: 31 Oct 2022 17:42

Tgt Ion: 122 Resp: 55
Ion Ratio Lower Upper
122 100
105 0.0 114.5 154.5#
77 172.0 89.8 129.8#





#38

1-Methylnaphthalene

Concen: 3.050 ng

RT: 9.039 min Scan# 1185

Delta R.T. -0.012 min

Lab File: BF130884.D

Acq: 31 Oct 2022 17:42

Instrument :

BNA_F

ClientSampleId :

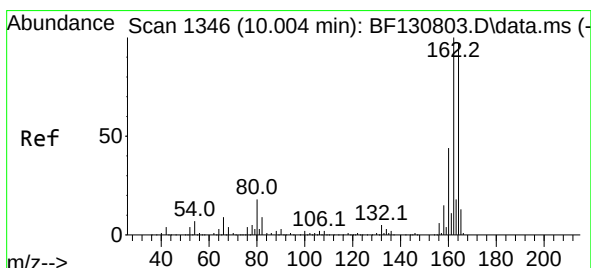
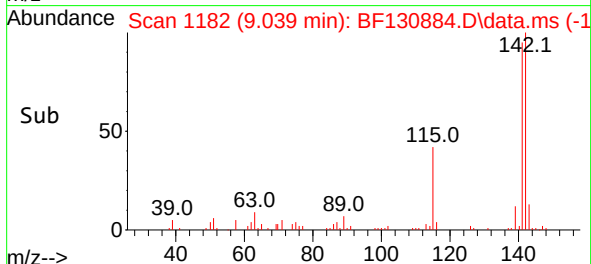
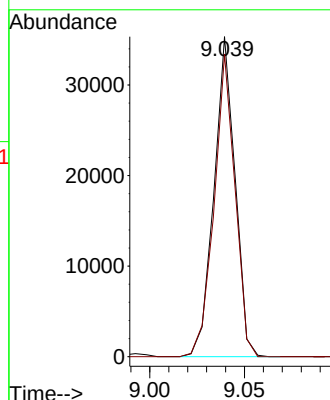
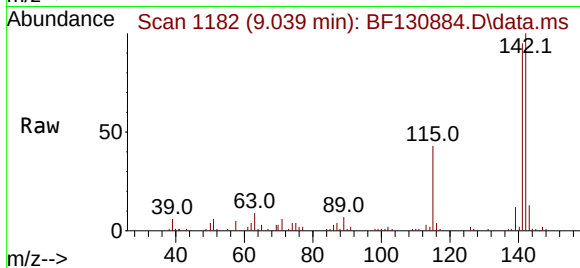
CBH-594

Tgt Ion:142 Resp: 27367

Ion Ratio Lower Upper

142 100

141 94.6 73.5 110.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.986 min Scan# 1343

Delta R.T. -0.012 min

Lab File: BF130884.D

Acq: 31 Oct 2022 17:42

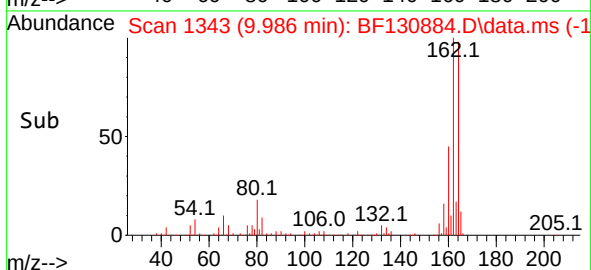
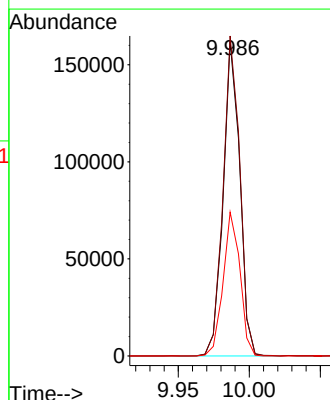
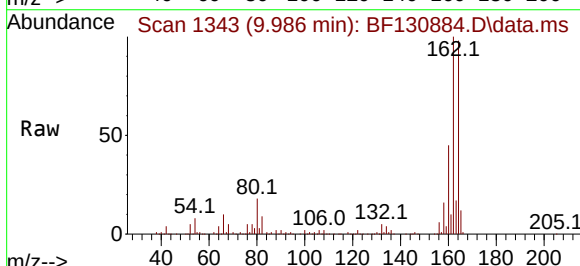
Tgt Ion:164 Resp: 131280

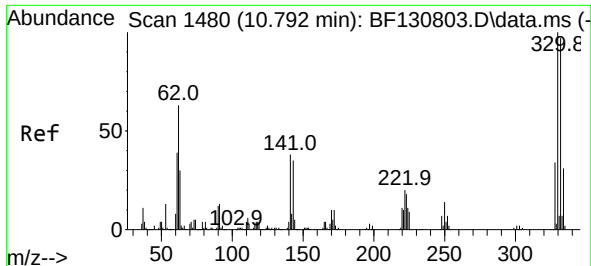
Ion Ratio Lower Upper

164 100

162 101.7 82.2 123.2

160 45.7 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 156.401 ng

RT: 10.780 min Scan# 1480

Delta R.T. -0.006 min

Lab File: BF130884.D

Acq: 31 Oct 2022 17:42

Instrument :

BNA_F

ClientSampleId :

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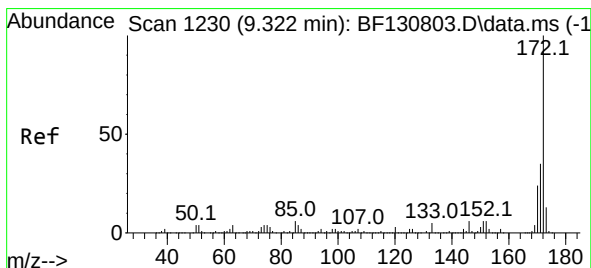
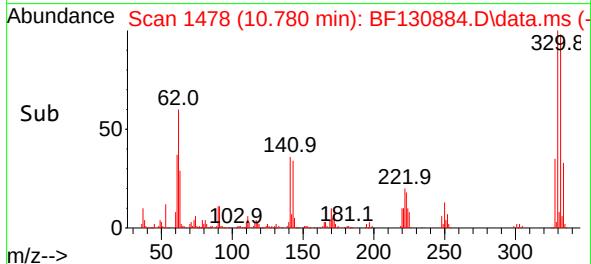
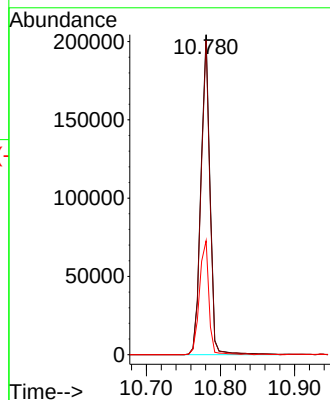
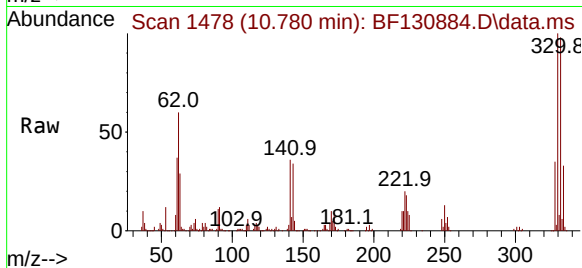
Tgt Ion:330 Resp: 172841

Ion Ratio Lower Upper

330 100

332 97.0 76.2 114.4

141 37.2 31.4 47.0



#45

2-Fluorobiphenyl

Concen: 104.020 ng

RT: 9.304 min Scan# 1227

Delta R.T. -0.006 min

Lab File: BF130884.D

Acq: 31 Oct 2022 17:42

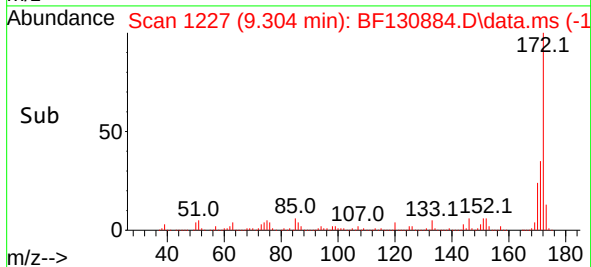
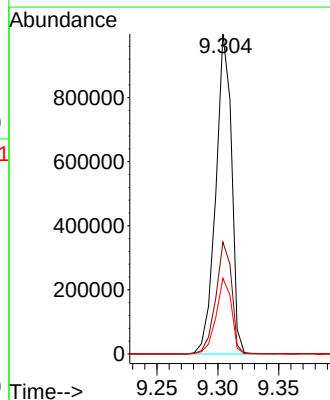
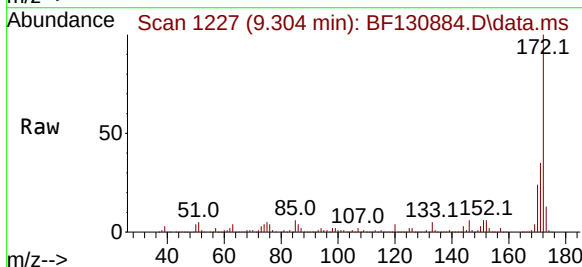
Tgt Ion:172 Resp: 903225

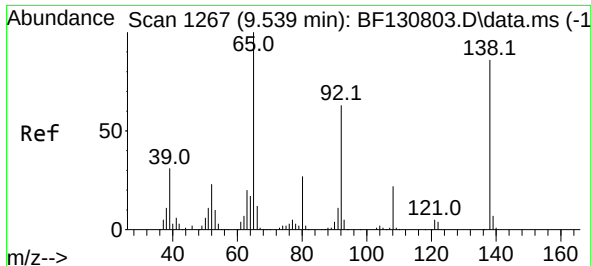
Ion Ratio Lower Upper

172 100

171 34.9 28.1 42.1

170 23.6 19.0 28.4

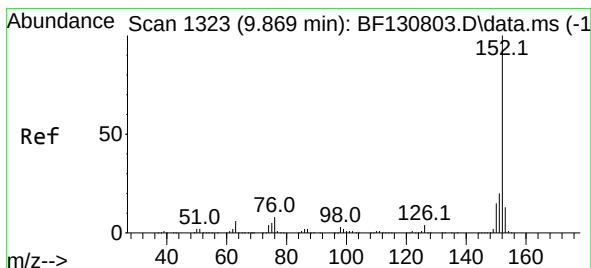
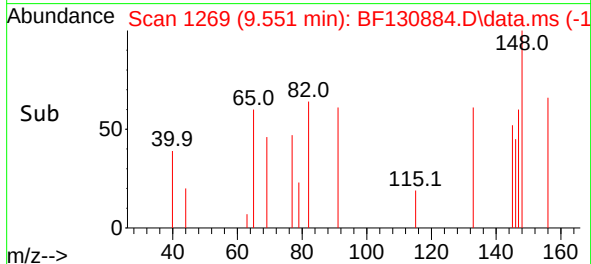
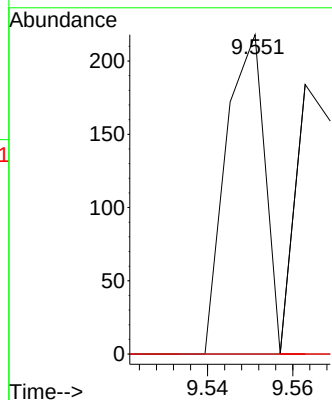
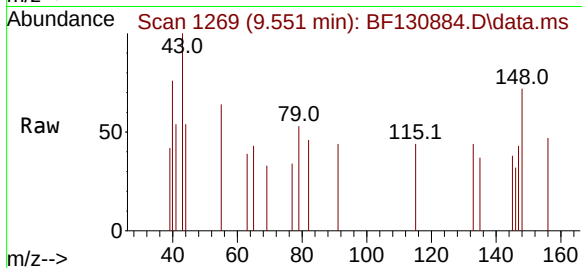




#48
2-Nitroaniline
Concen: 4.199 ng
RT: 9.551 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF130884.D
Acq: 31 Oct 2022 17:42

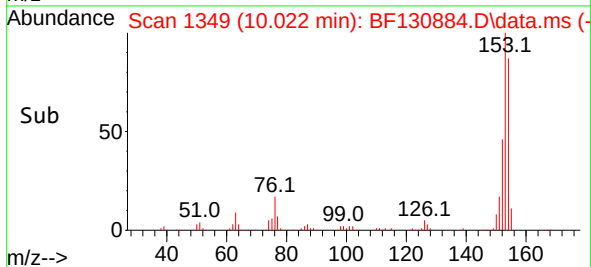
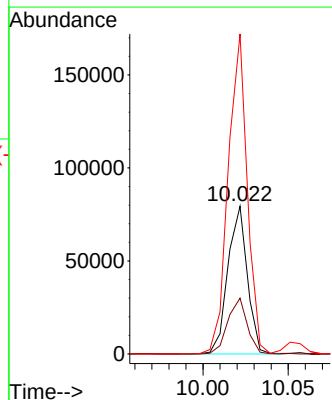
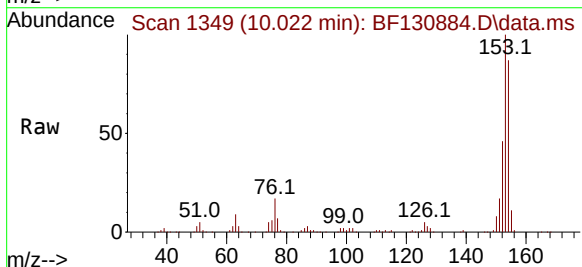
Instrument :
BNA_F
ClientSampleId :
CBH-594

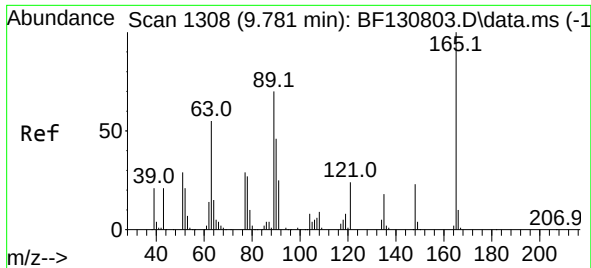
Tgt Ion: 65 Resp: 138
Ion Ratio Lower Upper
65 100
92 0.0 50.1 75.1#
138 0.0 69.2 103.8#



#49
Acenaphthylene
Concen: 5.334 ng
RT: 10.022 min Scan# 1349
Delta R.T. 0.165 min
Lab File: BF130884.D
Acq: 31 Oct 2022 17:42

Tgt Ion: 152 Resp: 63217
Ion Ratio Lower Upper
152 100
151 37.7 15.8 23.8#
153 216.6 10.2 15.4#

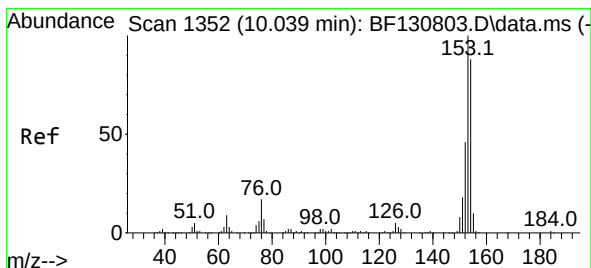
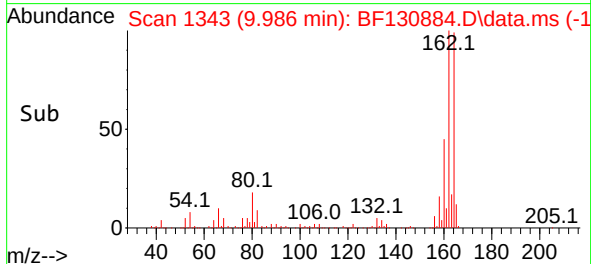
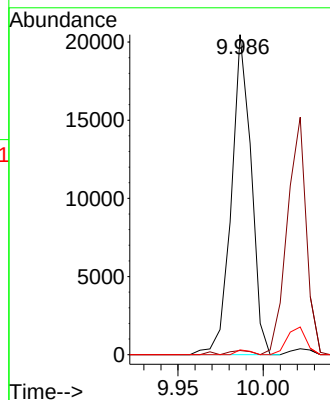
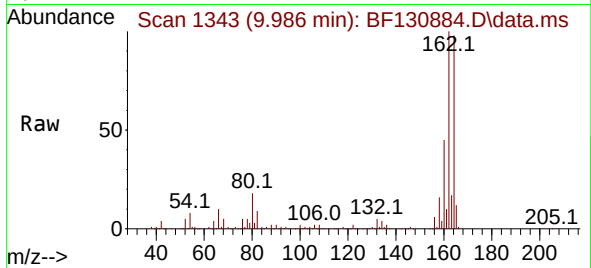




#51
2,6-Dinitrotoluene
Concen: 11.850 ng
RT: 9.986 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF130884.D
Acq: 31 Oct 2022 17:42

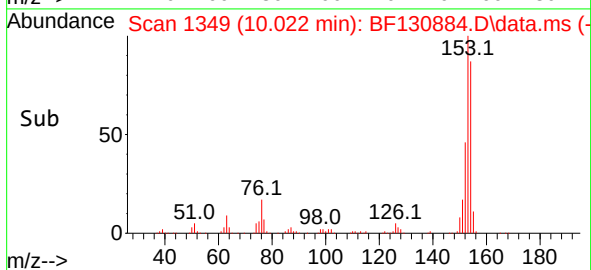
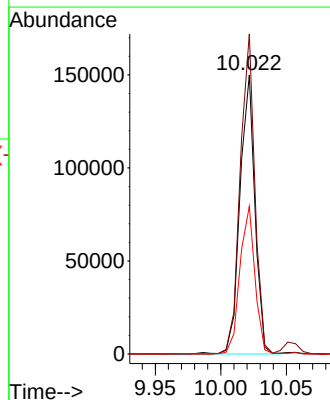
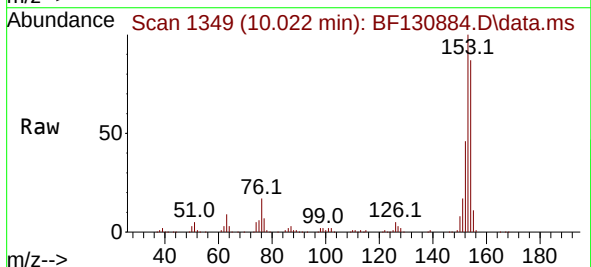
Instrument :
BNA_F
ClientSampleId :
CBH-594

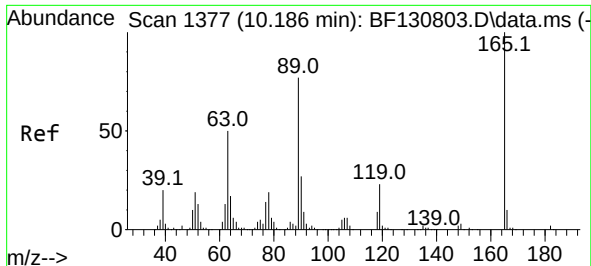
Tgt Ion:165 Resp: 16490
Ion Ratio Lower Upper
165 100
63 1.3 61.8 92.8#
89 1.5 56.2 84.4#



#52
Acenaphthene
Concen: 16.244 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF130884.D
Acq: 31 Oct 2022 17:42

Tgt Ion:154 Resp: 119044
Ion Ratio Lower Upper
154 100
153 114.7 90.5 135.7
152 52.9 42.0 63.0

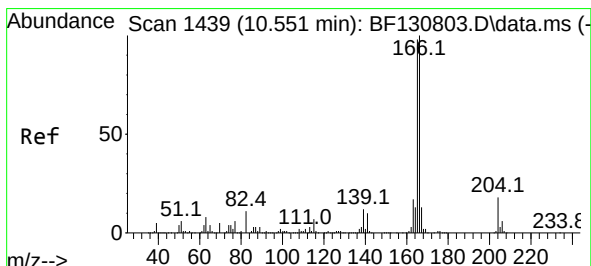
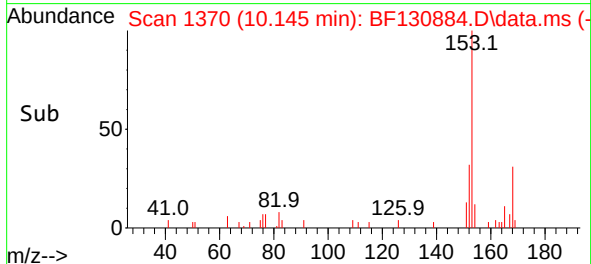
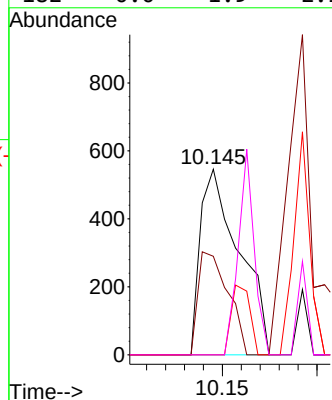
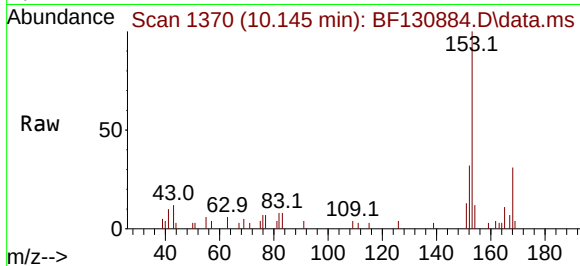




#57
2,4-Dinitrotoluene
Concen: 4.041 ng
RT: 10.145 min Scan# 11
Delta R.T. -0.035 min
Lab File: BF130884.D
Acq: 31 Oct 2022 17:42

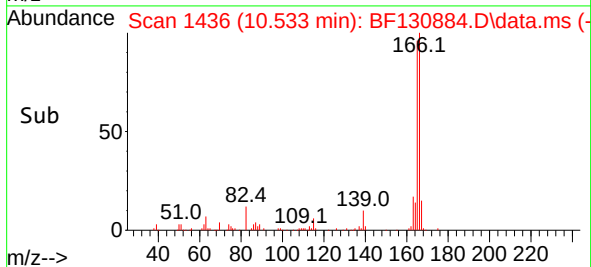
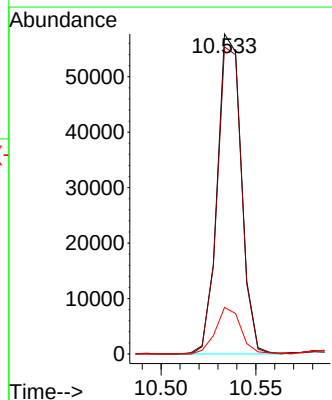
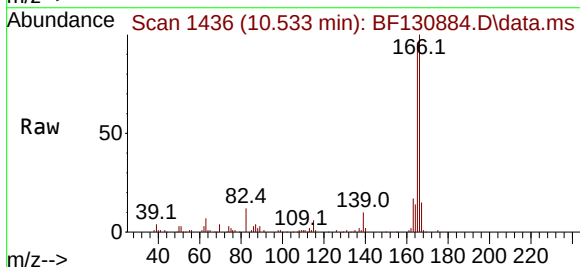
Instrument :
BNA_F
ClientSampleId :
CBH-594

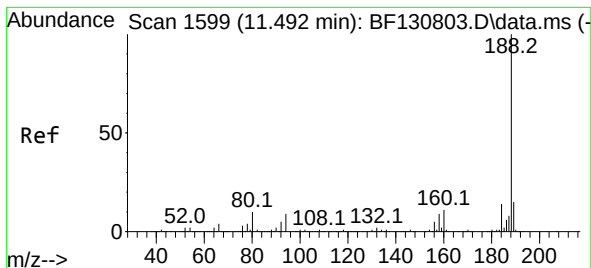
Tgt Ion:165	Resp:	781
Ion Ratio	Lower	Upper
165	100	
63	53.1	39.8 59.6
89	0.0	61.9 92.9#
182	0.0	1.9 2.9#



#58
Fluorene
Concen: 6.085 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF130884.D
Acq: 31 Oct 2022 17:42

Tgt Ion:166	Resp:	50899
Ion Ratio	Lower	Upper
166	100	
165	96.0	78.1 117.1
167	14.6	10.4 15.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.480 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130884.D

Acq: 31 Oct 2022 17:42

Instrument :

BNA_F

ClientSampleId :

CBH-594

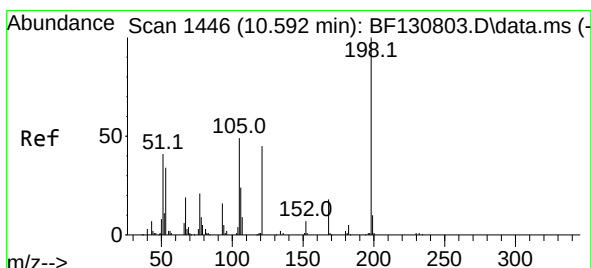
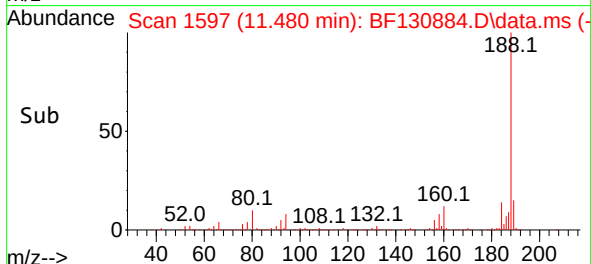
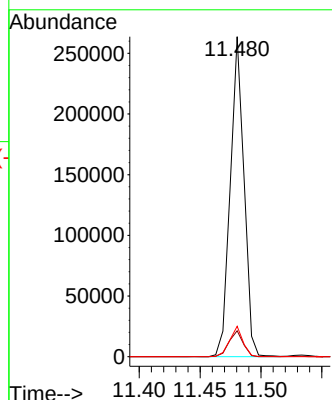
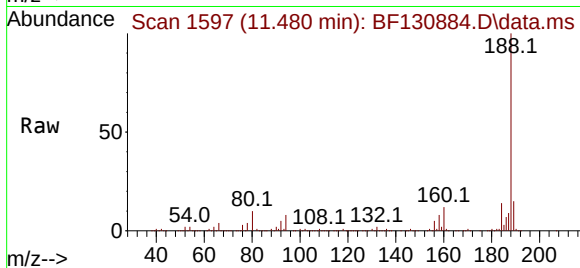
Tgt Ion:188 Resp: 206714

Ion Ratio Lower Upper

188 100

94 8.1 7.4 11.2

80 9.5 8.0 12.0



#65

4,6-Dinitro-2-methylphenol

Concen: 8.254 ng

RT: 10.780 min Scan# 1478

Delta R.T. 0.194 min

Lab File: BF130884.D

Acq: 31 Oct 2022 17:42

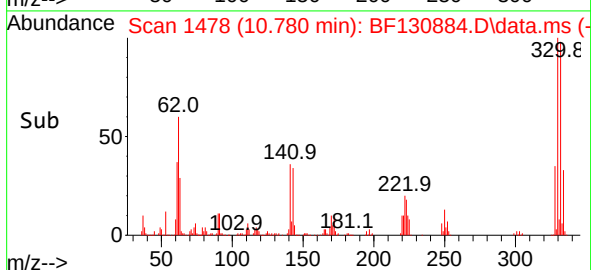
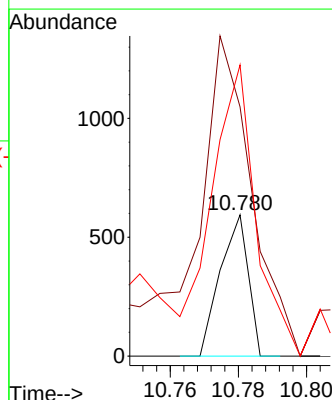
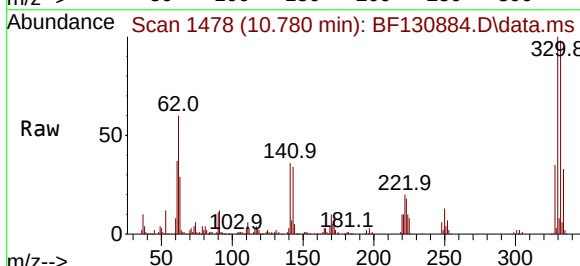
Tgt Ion:198 Resp: 337

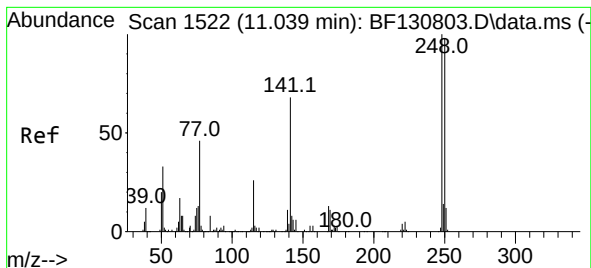
Ion Ratio Lower Upper

198 100

51 176.6 39.0 79.0#

105 206.2 30.6 70.6#

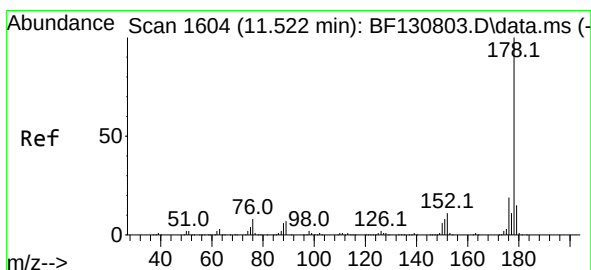
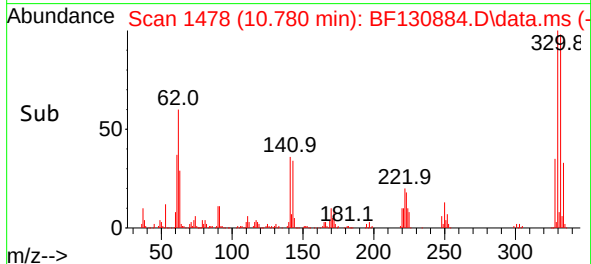
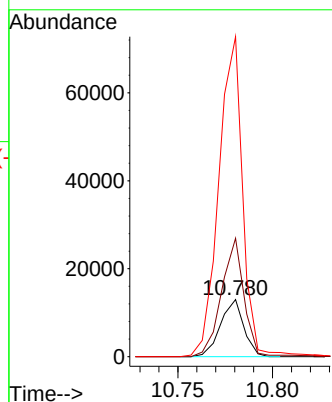
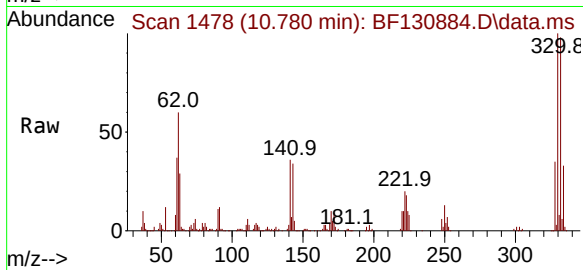




#67
4-Bromophenyl-phenylether
Concen: 5.358 ng
RT: 10.780 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF130884.D
Acq: 31 Oct 2022 17:42

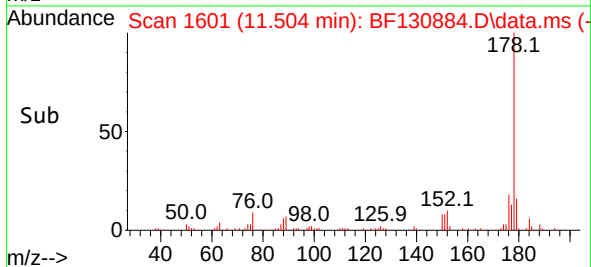
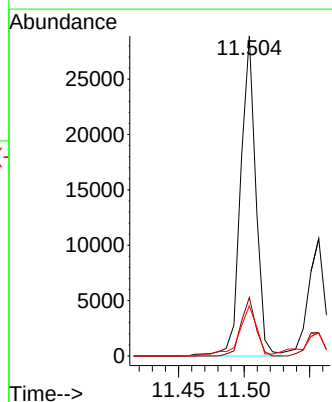
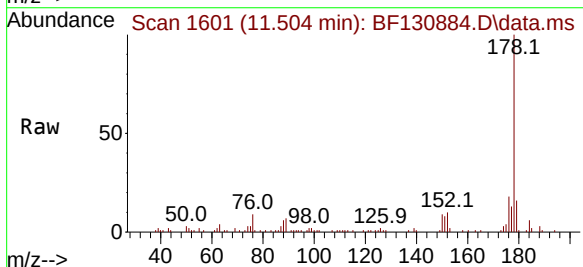
Instrument :
BNA_F
ClientSampleId :
CBH-594

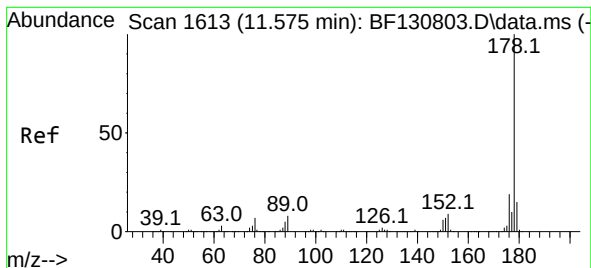
Tgt Ion:248 Resp: 11138
Ion Ratio Lower Upper
248 100
250 207.3 78.6 117.8#
141 560.2 54.2 81.4#



#71
Phenanthrene
Concen: 2.188 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BF130884.D
Acq: 31 Oct 2022 17:42

Tgt Ion:178 Resp: 23341
Ion Ratio Lower Upper
178 100
176 18.3 15.5 23.3
179 15.7 12.2 18.2





#72

Anthracene

Concen: 2.218 ng

RT: 11.504 min Scan# 1

Delta R.T. -0.059 min

Lab File: BF130884.D

Acq: 31 Oct 2022 17:42

Instrument :

BNA_F

ClientSampleId :

CBH-594

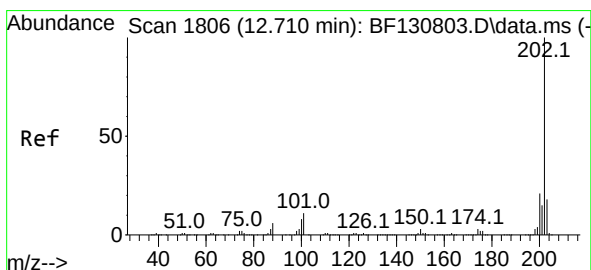
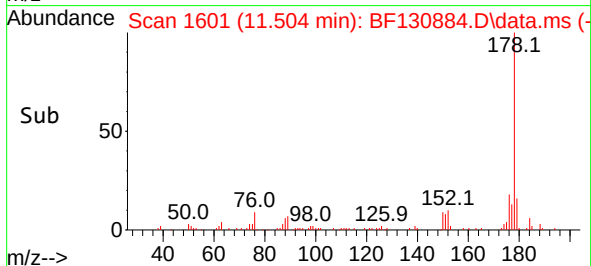
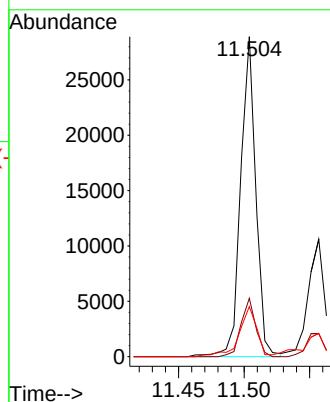
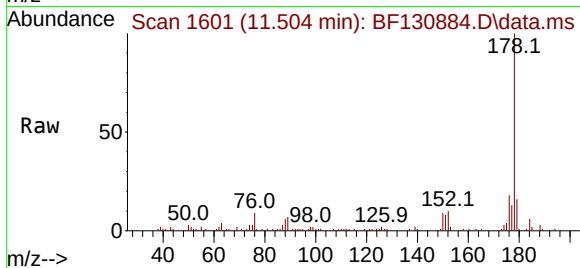
Tgt Ion:178 Resp: 23341

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.0

179 15.7 12.2 18.4



#75

Fluoranthene

Concen: 2.383 ng

RT: 12.698 min Scan# 1804

Delta R.T. -0.006 min

Lab File: BF130884.D

Acq: 31 Oct 2022 17:42

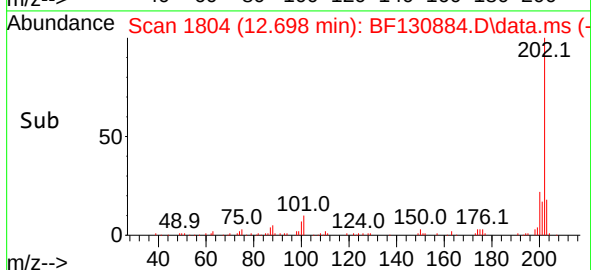
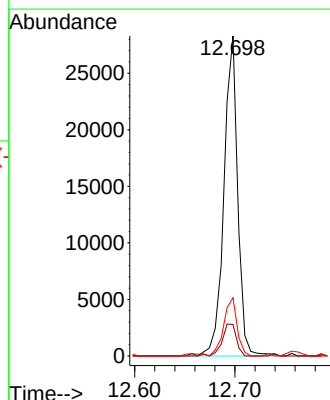
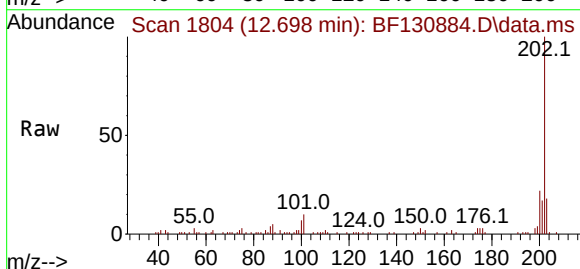
Tgt Ion:202 Resp: 27010

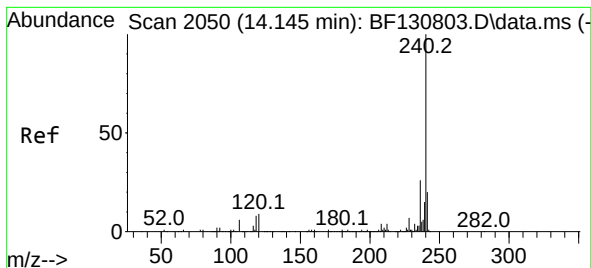
Ion Ratio Lower Upper

202 100

101 9.8 0.0 30.9

203 18.2 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 2050

Delta R.T. -0.006 min

Lab File: BF130884.D

Acq: 31 Oct 2022 17:42

Instrument :

BNA_F

ClientSampleId :

CBH-594

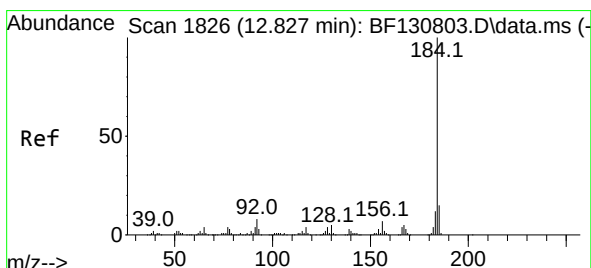
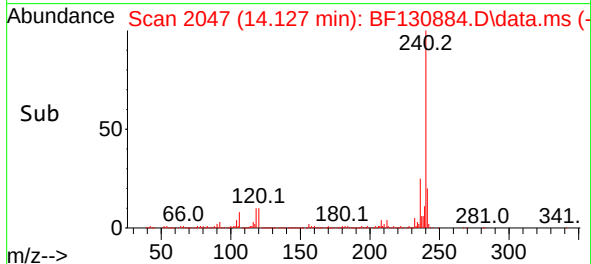
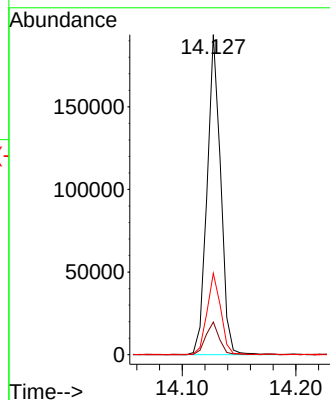
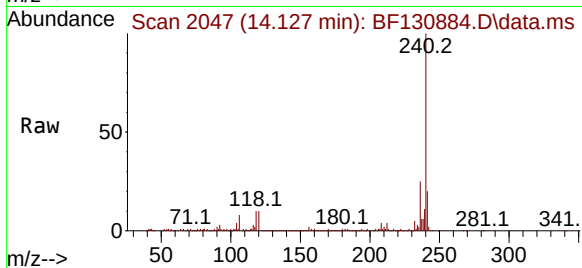
Tgt Ion:240 Resp: 159910

Ion Ratio Lower Upper

240 100

120 10.2 7.0 10.4

236 25.4 20.5 30.7



#77

Benzidine

Concen: 3.161 ng

RT: 13.074 min Scan# 1868

Delta R.T. 0.253 min

Lab File: BF130884.D

Acq: 31 Oct 2022 17:42

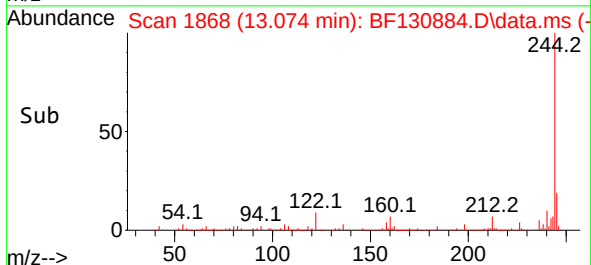
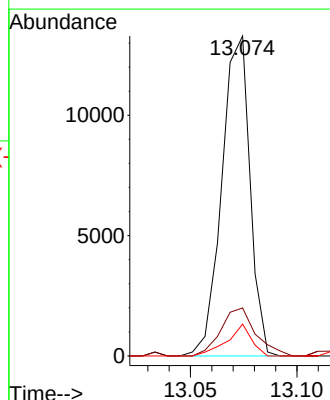
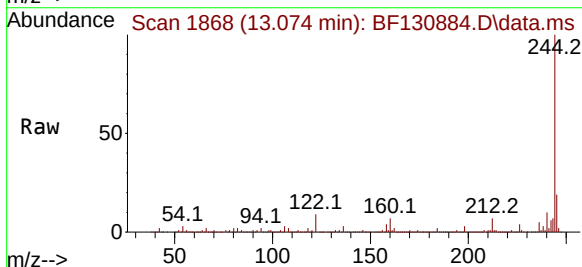
Tgt Ion:184 Resp: 12270

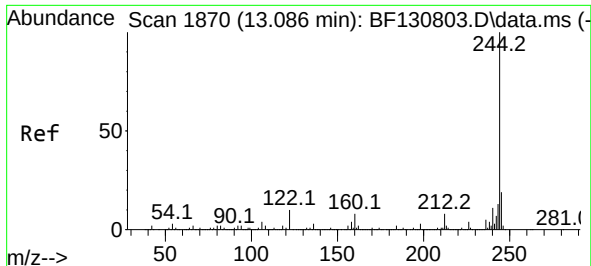
Ion Ratio Lower Upper

184 100

185 15.0 11.8 17.8

183 10.0 9.7 14.5

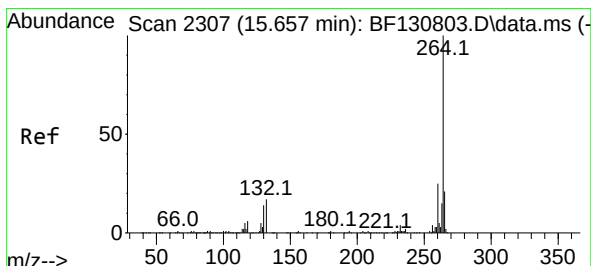
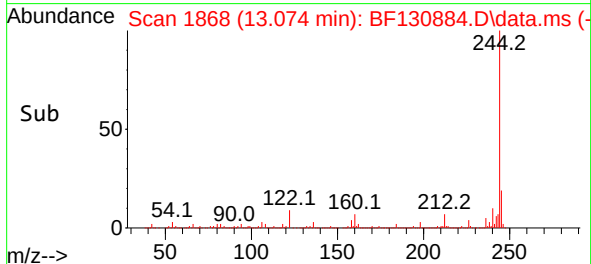
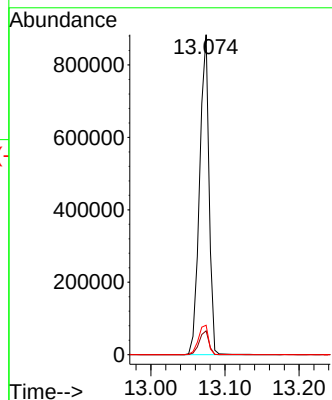
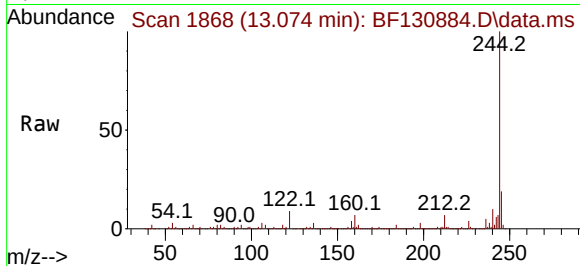




#79
 Terphenyl-d14
 Concen: 89.476 ng
 RT: 13.074 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF130884.D
 Acq: 31 Oct 2022 17:42

Instrument :
 BNA_F
 ClientSampleId :
 CBH-594

Tgt Ion:244 Resp: 780815
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 9.2 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.645 min Scan# 2305
 Delta R.T. -0.000 min
 Lab File: BF130884.D
 Acq: 31 Oct 2022 17:42

Tgt Ion:264 Resp: 124363
 Ion Ratio Lower Upper
 264 100
 260 22.2 19.9 29.9
 265 20.2 17.0 25.6

