

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
 Data File : BF130881.D
 Acq On : 31 Oct 2022 16:03
 Operator : CG\JU
 Sample : N5219-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BACKYARD-BOTTOM-B

Quant Time: Nov 01 02:28:29 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)

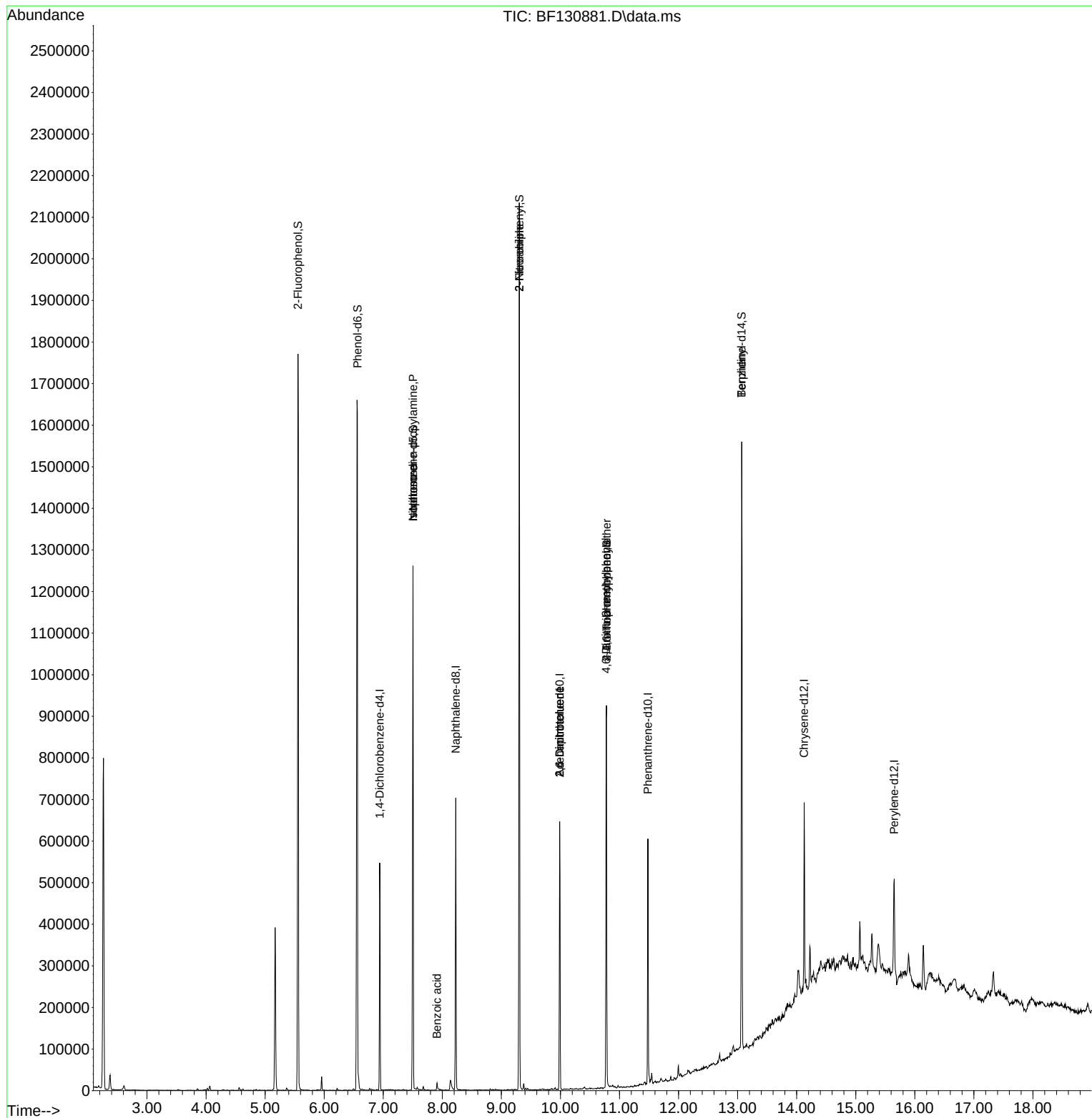
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.939	152	72258	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	257373	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	117809	20.000	ng	-0.01
64) Phenanthrene-d10	11.480	188	186962	20.000	ng	0.00
76) Chrysene-d12	14.127	240	148292	20.000	ng	0.00
86) Perylene-d12	15.651	264	110675	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	447130	107.275	ng	0.00
7) Phenol-d6	6.563	99	564756	104.268	ng	0.00
23) Nitrobenzene-d5	7.504	82	357855	83.840	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	102109	102.962	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	573389	73.585	ng	0.00
79) Terphenyl-d14	13.068	244	477953	59.061	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.504	70	49894	13.539	ng	# 79
25) Isophorone	7.504	82	357850	40.656	ng	# 66
32) Benzoic acid	7.910	122	3708	8.876	ng	# 85
48) 2-Nitroaniline	9.304	65	1087	4.606	ng	# 1
51) 2,6-Dinitrotoluene	9.986	165	15222	12.110	ng	# 14
57) 2,4-Dinitrotoluene	9.986	165	15222	10.975	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.774	198	244	8.189	ng	# 1
67) 4-Bromophenyl-phenylether	10.780	248	6602	3.511	ng	# 1
77) Benzidine	13.068	184	8277	2.299	ng	# 90

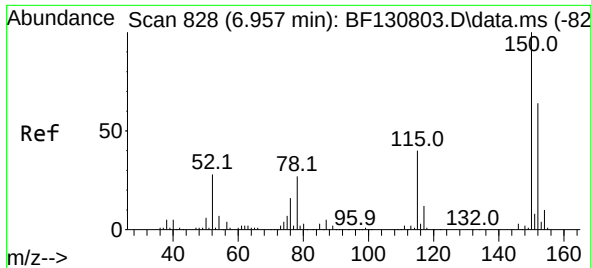
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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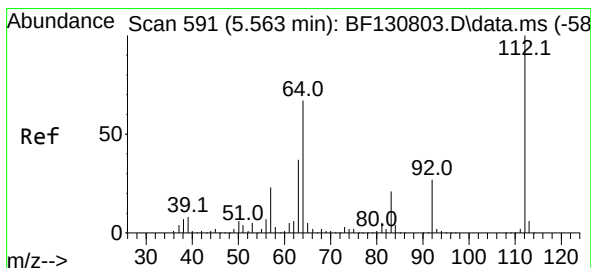
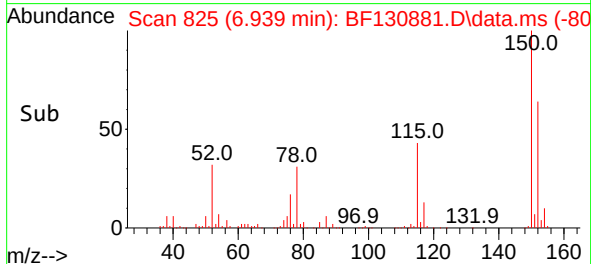
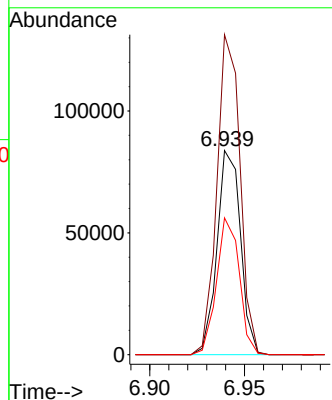
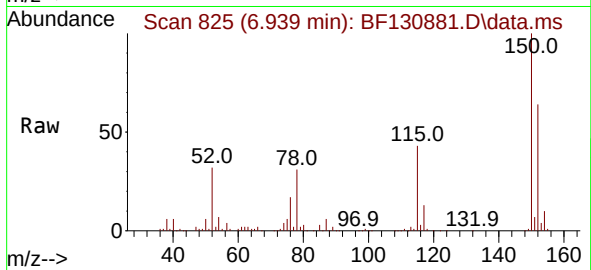




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.939 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF130881.D
 Acq: 31 Oct 2022 16:03

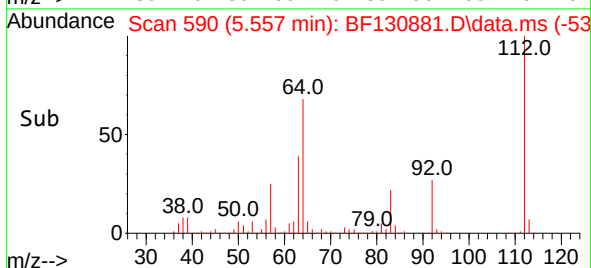
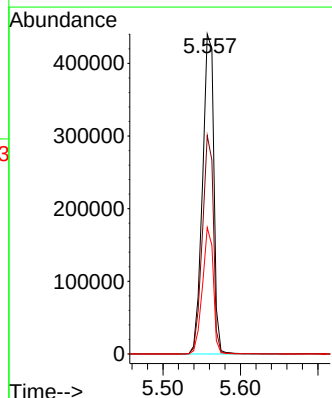
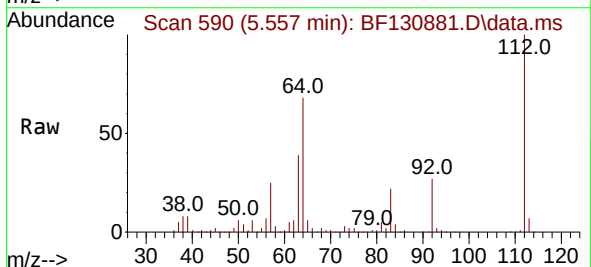
Instrument :
 BNA_F
 ClientSampleId :
 BACKYARD-BOTTOM-B

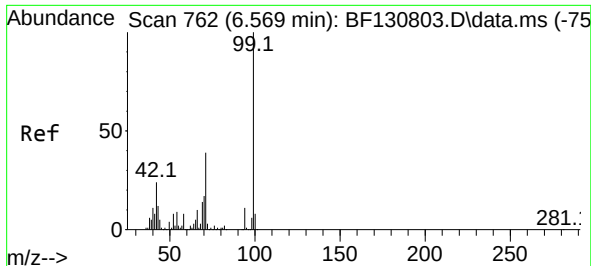
Tgt Ion:152 Resp: 72258
 Ion Ratio Lower Upper
 152 100
 150 156.7 124.1 186.1
 115 67.0 50.1 75.1



#5
 2-Fluorophenol
 Concen: 107.275 ng
 RT: 5.557 min Scan# 590
 Delta R.T. -0.000 min
 Lab File: BF130881.D
 Acq: 31 Oct 2022 16:03

Tgt Ion:112 Resp: 447130
 Ion Ratio Lower Upper
 112 100
 64 68.3 53.9 80.9
 63 39.5 29.4 44.2

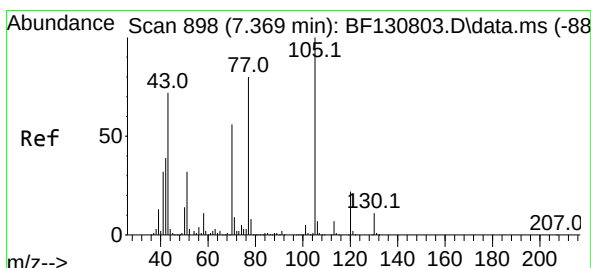
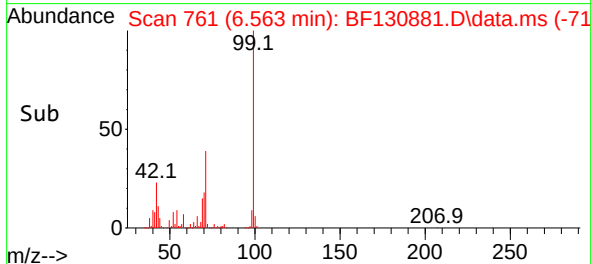
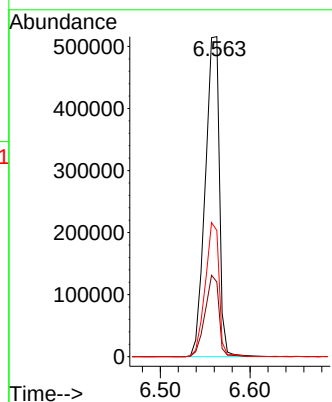
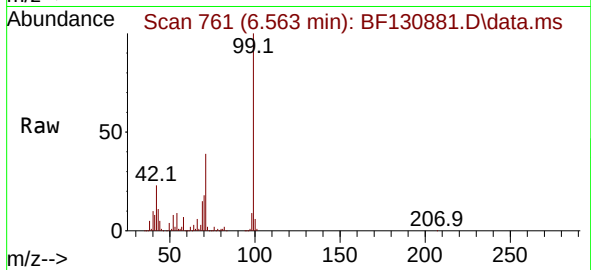




#7
Phenol-d6
Concen: 104.268 ng
RT: 6.563 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130881.D
Acq: 31 Oct 2022 16:03

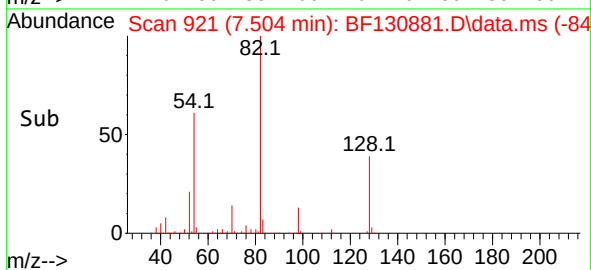
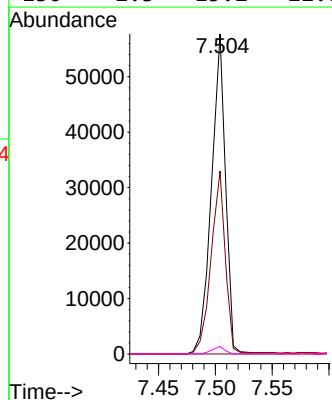
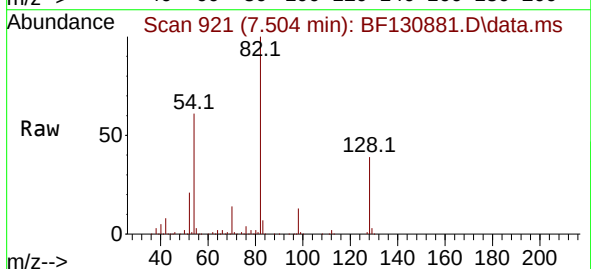
Instrument :
BNA_F
ClientSampleId :
BACKYARD-BOTTOM-B

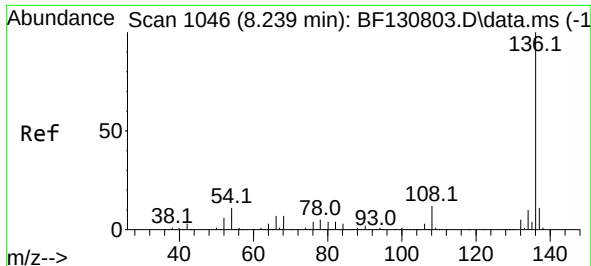
Tgt Ion: 99 Resp: 564756
Ion Ratio Lower Upper
99 100
42 23.3 18.8 28.2
71 39.5 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.539 ng
RT: 7.504 min Scan# 921
Delta R.T. 0.141 min
Lab File: BF130881.D
Acq: 31 Oct 2022 16:03

Tgt Ion: 70 Resp: 49894
Ion Ratio Lower Upper
70 100
42 57.1 56.1 84.1
101 0.0 7.3 10.9#
130 2.3 15.2 22.8#

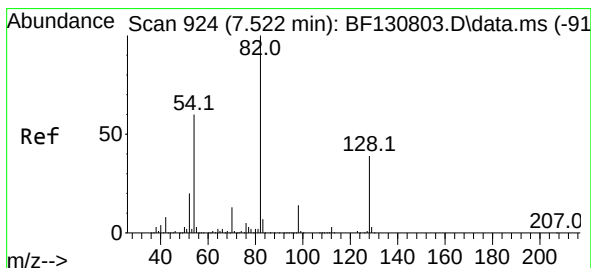
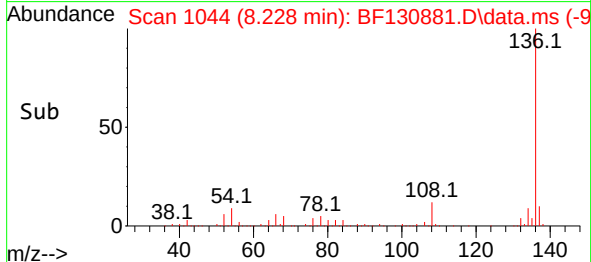
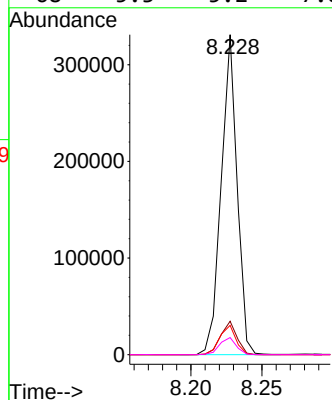
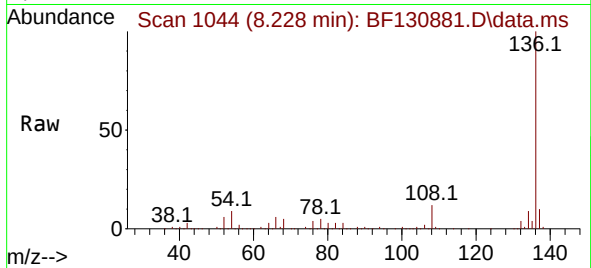




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF130881.D
Acq: 31 Oct 2022 16:03

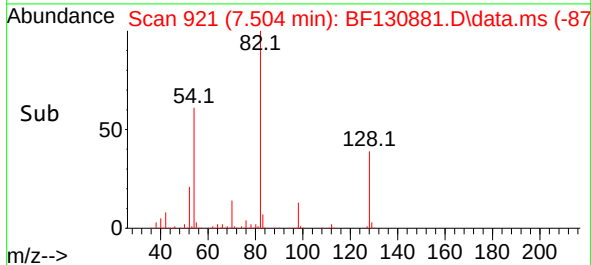
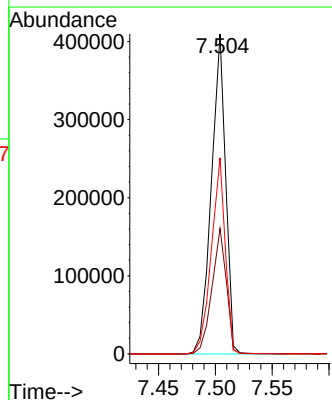
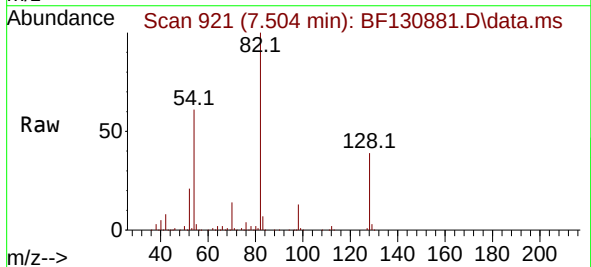
Instrument :
BNA_F
ClientSampleId :
BACKYARD-BOTTOM-B

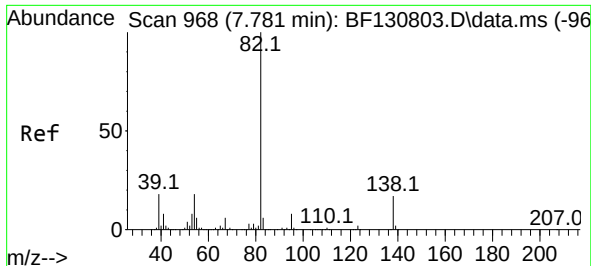
Tgt Ion:	136	Resp:	257373
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	9.2	8.8	13.2
68	5.3	5.2	7.8



#23
Nitrobenzene-d5
Concen: 83.840 ng
RT: 7.504 min Scan# 921
Delta R.T. -0.012 min
Lab File: BF130881.D
Acq: 31 Oct 2022 16:03

Tgt Ion:	82	Resp:	357855
Ion	Ratio	Lower	Upper
82	100		
128	39.3	31.2	46.8
54	61.3	48.0	72.0

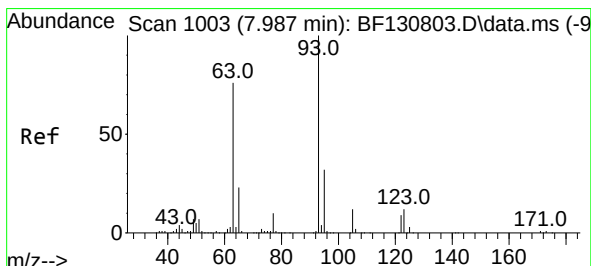
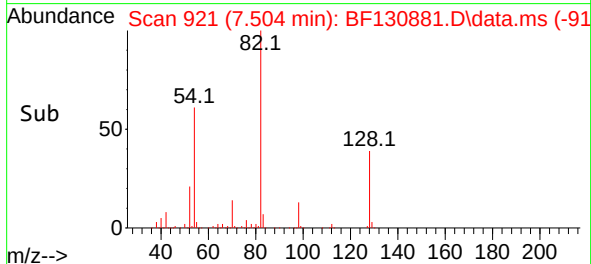
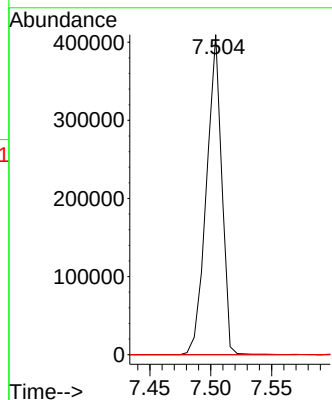
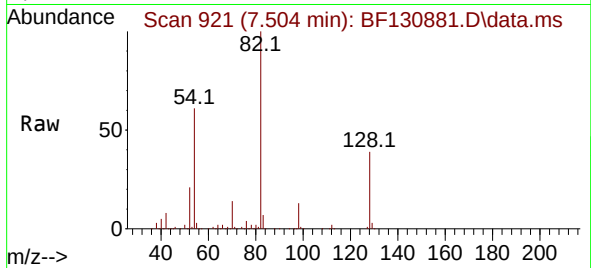




#25
Isophorone
Concen: 40.656 ng
RT: 7.504 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF130881.D
Acq: 31 Oct 2022 16:03

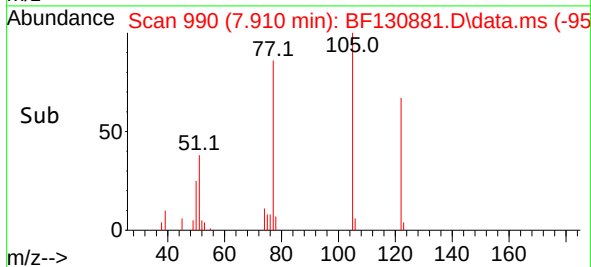
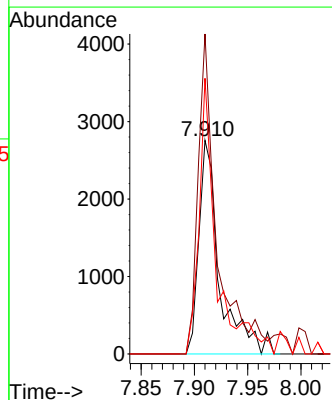
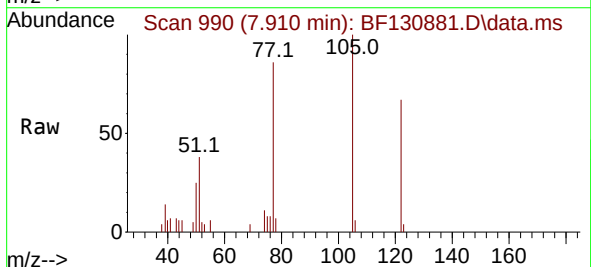
Instrument :
BNA_F
ClientSampleId :
BACKYARD-BOTTOM-B

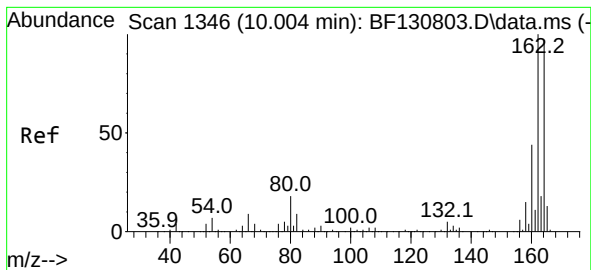
Tgt Ion: 82 Resp: 357850
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 8.876 ng
RT: 7.910 min Scan# 990
Delta R.T. -0.077 min
Lab File: BF130881.D
Acq: 31 Oct 2022 16:03

Tgt Ion: 122 Resp: 3708
Ion Ratio Lower Upper
122 100
105 149.8 114.5 154.5
77 129.1 89.8 129.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.986 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF130881.D

Acq: 31 Oct 2022 16:03

Instrument :

BNA_F

ClientSampleId :

BACKYARD-BOTTOM-B

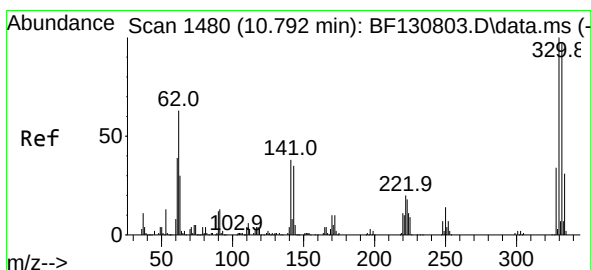
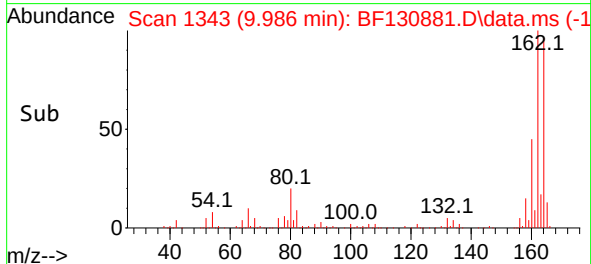
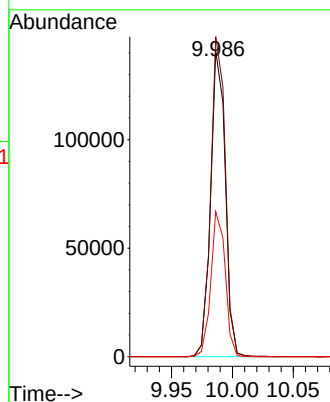
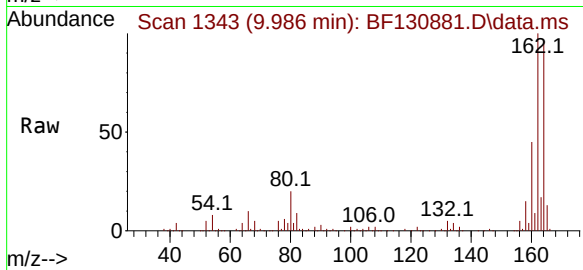
Tgt Ion:164 Resp: 117809

Ion Ratio Lower Upper

164 100

162 104.6 82.2 123.2

160 47.5 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 102.962 ng

RT: 10.780 min Scan# 1478

Delta R.T. -0.006 min

Lab File: BF130881.D

Acq: 31 Oct 2022 16:03

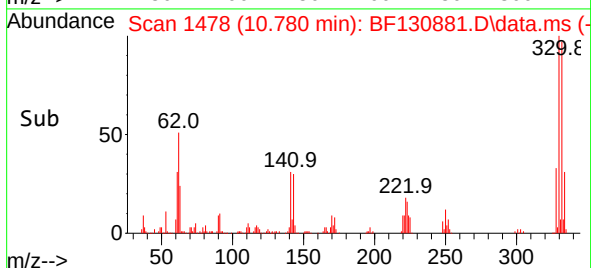
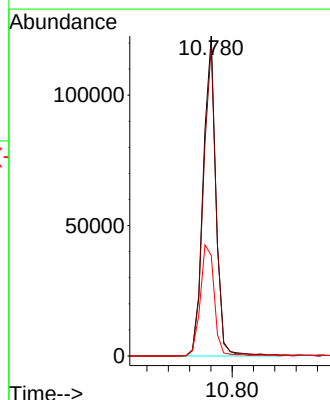
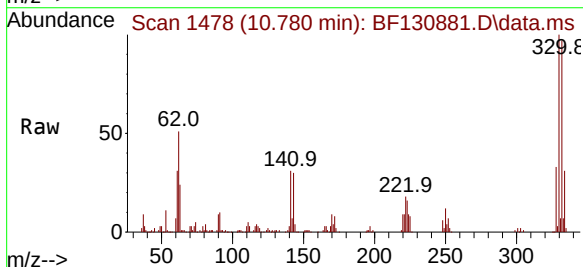
Tgt Ion:330 Resp: 102109

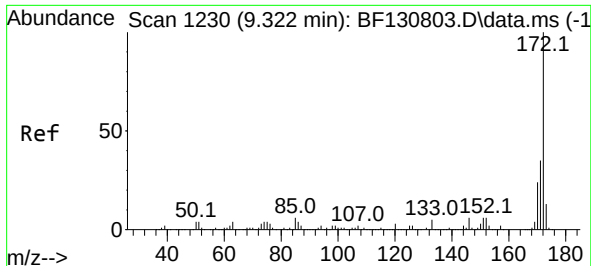
Ion Ratio Lower Upper

330 100

332 96.0 76.2 114.4

141 38.3 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 73.585 ng

RT: 9.304 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130881.D

Acq: 31 Oct 2022 16:03

Instrument :

BNA_F

ClientSampleId :

BACKYARD-BOTTOM-B

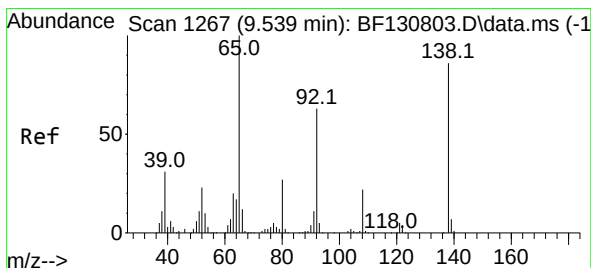
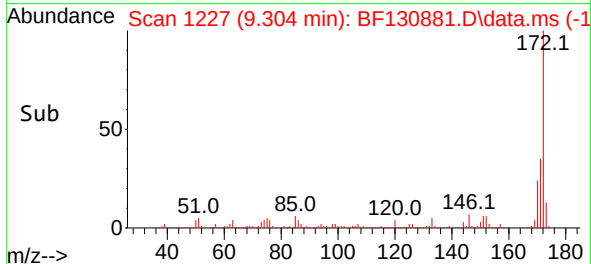
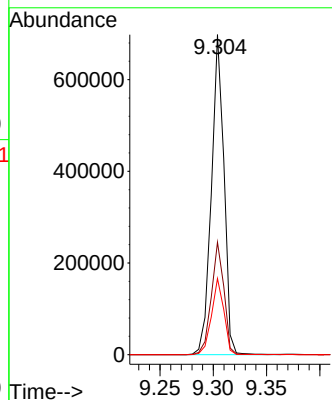
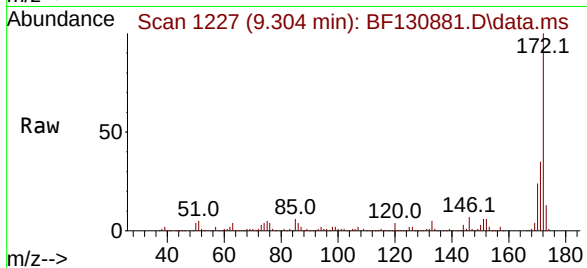
Tgt Ion:172 Resp: 573389

Ion Ratio Lower Upper

172 100

171 35.2 28.1 42.1

170 23.8 19.0 28.4



#48

2-Nitroaniline

Concen: 4.606 ng

RT: 9.304 min Scan# 1227

Delta R.T. -0.230 min

Lab File: BF130881.D

Acq: 31 Oct 2022 16:03

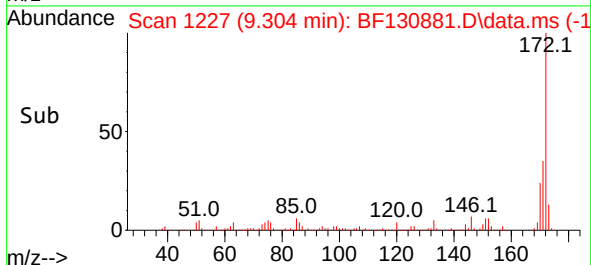
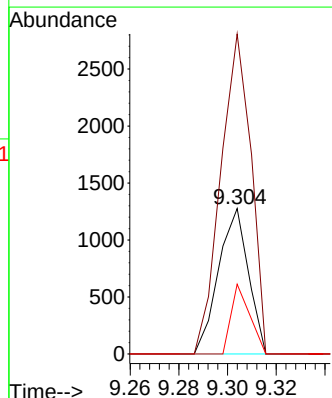
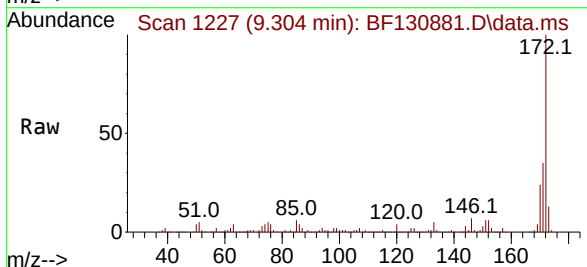
Tgt Ion: 65 Resp: 1087

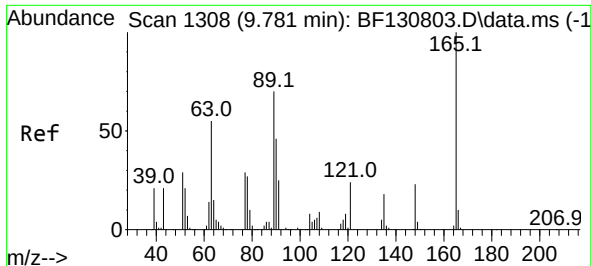
Ion Ratio Lower Upper

65 100

92 220.1 50.1 75.1#

138 48.0 69.2 103.8#

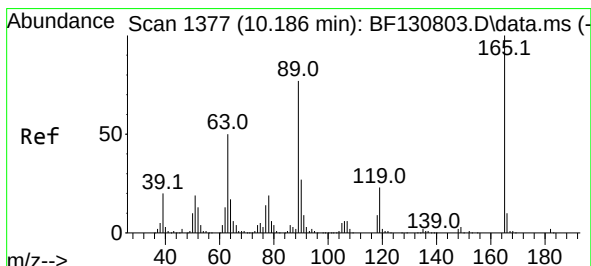
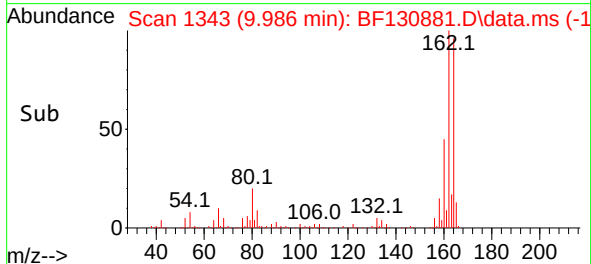
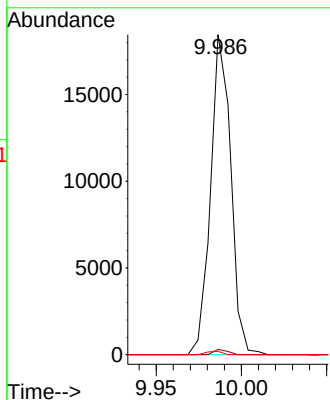
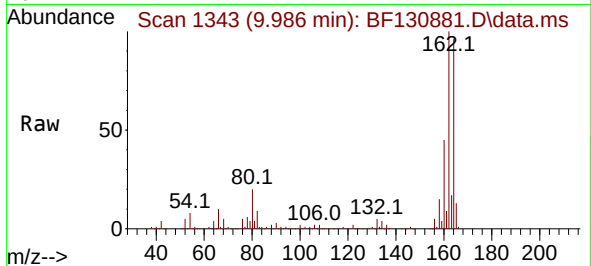




#51
2,6-Dinitrotoluene
Concen: 12.110 ng
RT: 9.986 min Scan# 1343
Delta R.T. 0.212 min
Lab File: BF130881.D
Acq: 31 Oct 2022 16:03

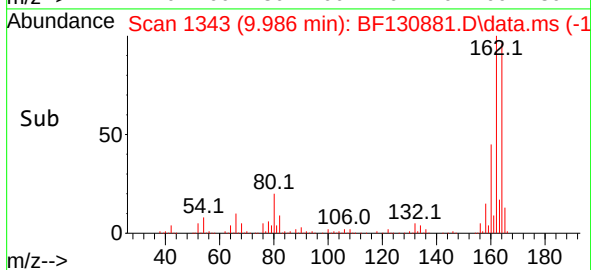
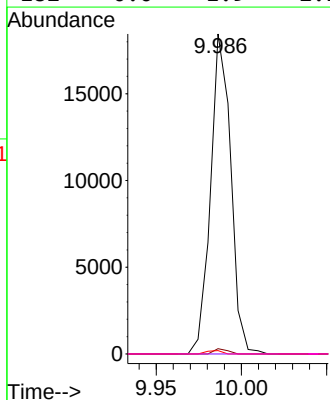
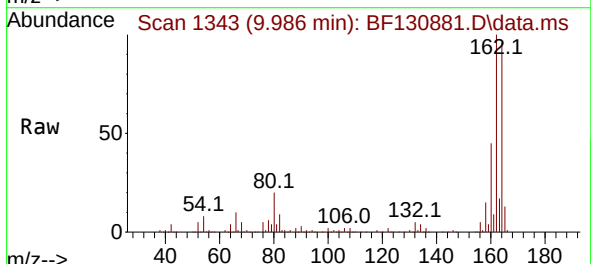
Instrument :
BNA_F
ClientSampleId :
BACKYARD-BOTTOM-B

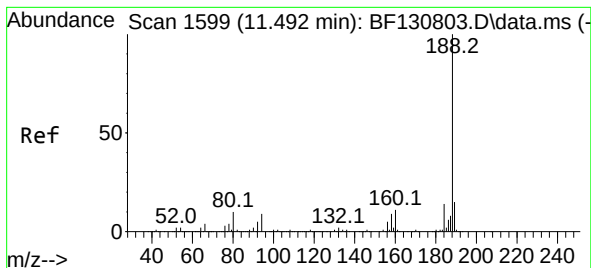
Tgt Ion:165 Resp: 15222
Ion Ratio Lower Upper
165 100
63 1.7 61.8 92.8#
89 1.0 56.2 84.4#



#57
2,4-Dinitrotoluene
Concen: 10.975 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.194 min
Lab File: BF130881.D
Acq: 31 Oct 2022 16:03

Tgt Ion:165 Resp: 15222
Ion Ratio Lower Upper
165 100
63 1.7 39.8 59.6#
89 1.0 61.9 92.9#
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.480 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130881.D

Acq: 31 Oct 2022 16:03

Instrument :

BNA_F

ClientSampleId :

BACKYARD-BOTTOM-B

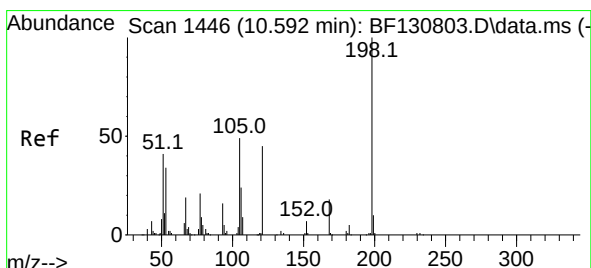
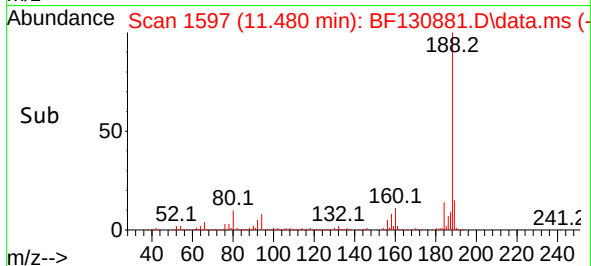
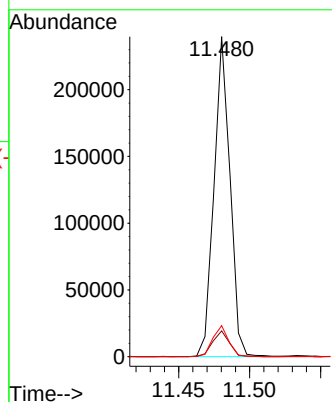
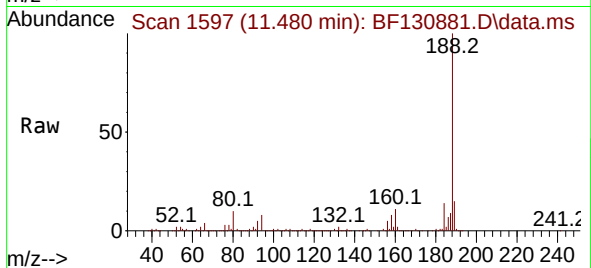
Tgt Ion:188 Resp: 186962

Ion Ratio Lower Upper

188 100

94 8.1 7.4 11.2

80 9.7 8.0 12.0



#65

4,6-Dinitro-2-methylphenol

Concen: 8.189 ng

RT: 10.774 min Scan# 1477

Delta R.T. 0.188 min

Lab File: BF130881.D

Acq: 31 Oct 2022 16:03

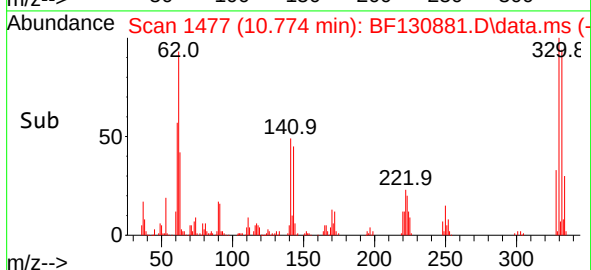
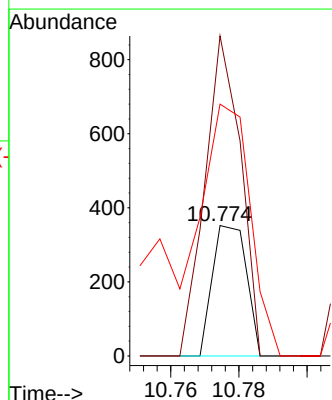
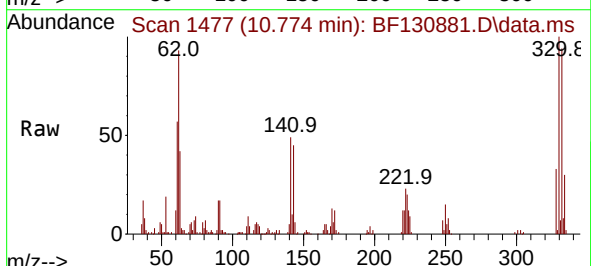
Tgt Ion:198 Resp: 244

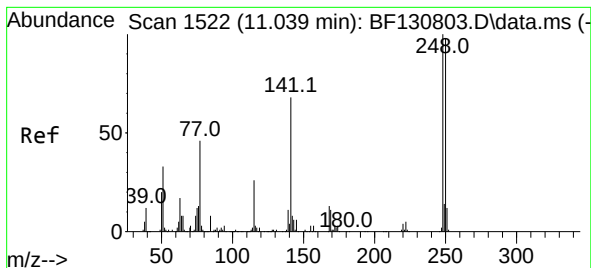
Ion Ratio Lower Upper

198 100

51 245.5 39.0 79.0#

105 193.2 30.6 70.6#

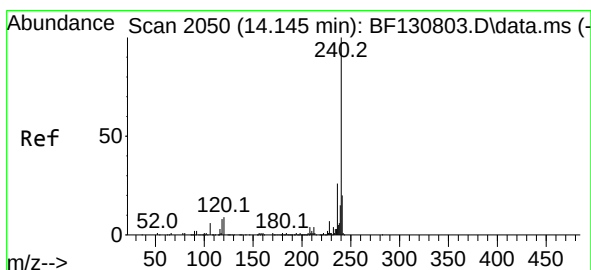
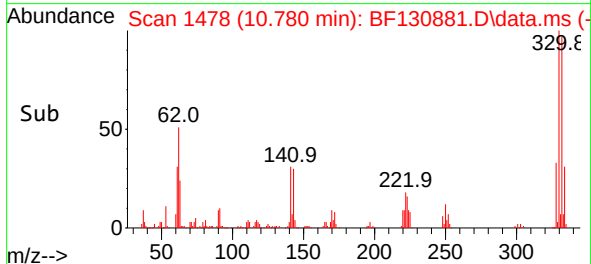
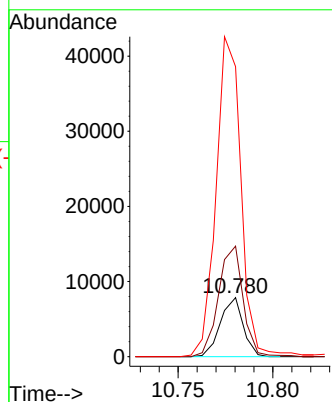
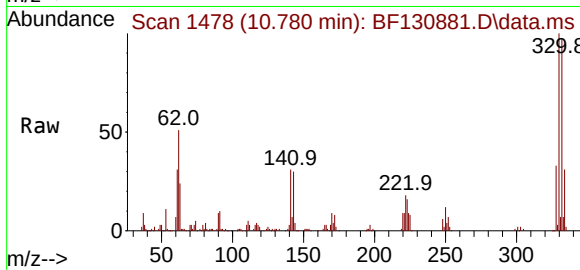




#67
4-Bromophenyl-phenylether
Concen: 3.511 ng
RT: 10.780 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF130881.D
Acq: 31 Oct 2022 16:03

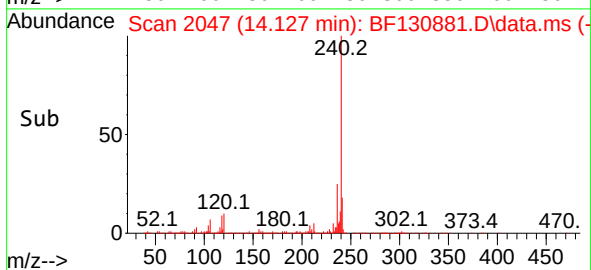
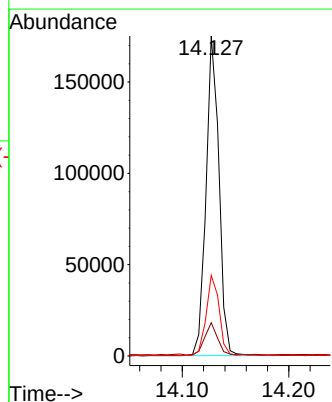
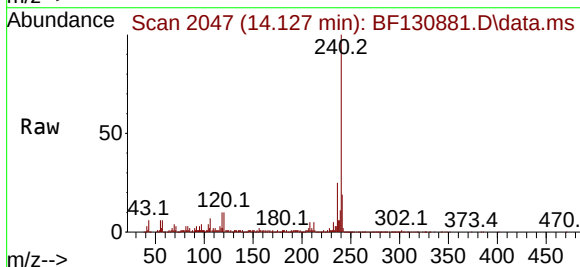
Instrument :
BNA_F
ClientSampleId :
BACKYARD-BOTTOM-B

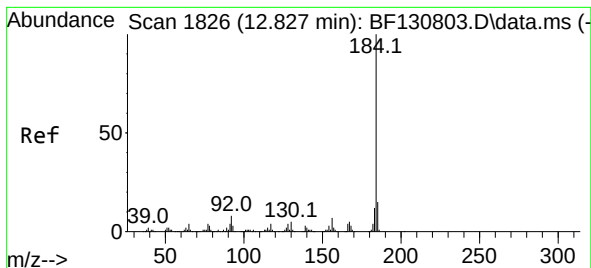
Tgt Ion:248 Resp: 6602
Ion Ratio Lower Upper
248 100
250 187.3 78.6 117.8#
141 491.5 54.2 81.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF130881.D
Acq: 31 Oct 2022 16:03

Tgt Ion:240 Resp: 148292
Ion Ratio Lower Upper
240 100
120 10.4 7.0 10.4
236 25.2 20.5 30.7





#77

Benzidine

Concen: 2.299 ng

RT: 13.068 min Scan# 1867

Delta R.T. 0.247 min

Lab File: BF130881.D

Acq: 31 Oct 2022 16:03

Instrument :

BNA_F

ClientSampleId :

BACKYARD-BOTTOM-B

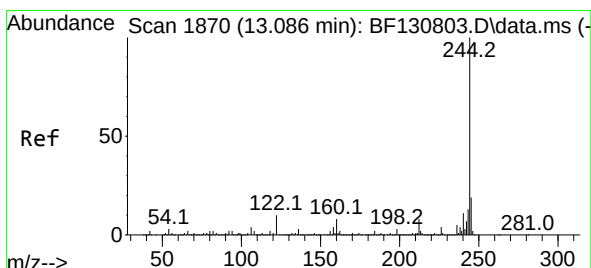
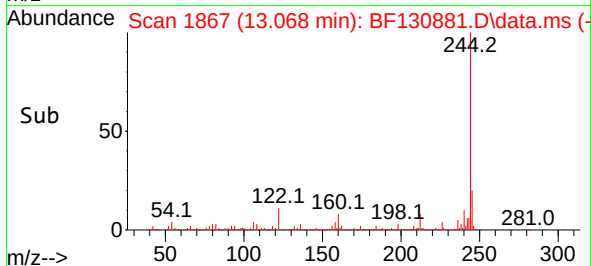
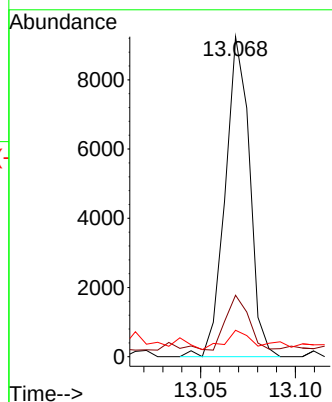
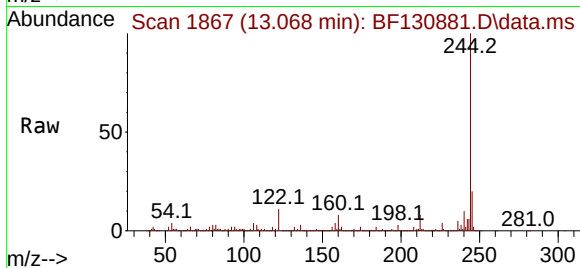
Tgt Ion:184 Resp: 8277

Ion Ratio Lower Upper

184 100

185 19.2 11.8 17.8#

183 8.3 9.7 14.5#



#79

Terphenyl-d14

Concen: 59.061 ng

RT: 13.068 min Scan# 1867

Delta R.T. -0.006 min

Lab File: BF130881.D

Acq: 31 Oct 2022 16:03

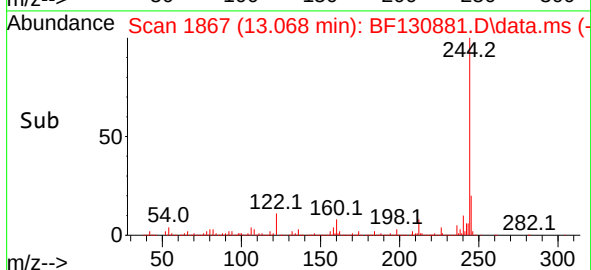
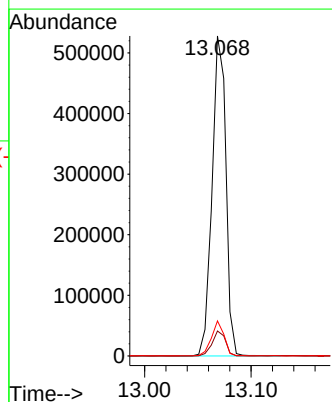
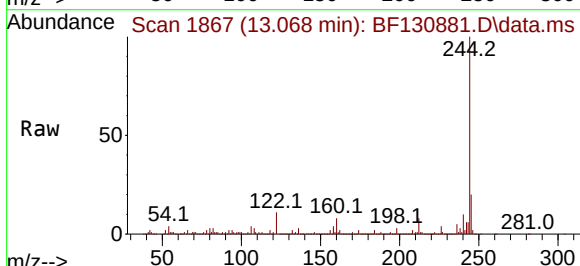
Tgt Ion:244 Resp: 477953

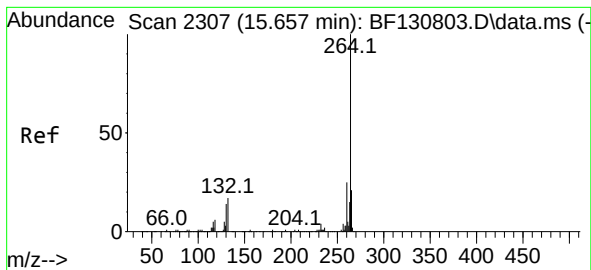
Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

122 10.9 7.9 11.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.651 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF130881.D
 Acq: 31 Oct 2022 16:03

Instrument :
 BNA_F
 ClientSampleId :
 BACKYARD-BOTTOM-B

Tgt Ion:264	Resp:	110675
Ion	Ratio	Lower Upper
264	100	
260	23.7	19.9 29.9
265	20.3	17.0 25.6

