

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122923\
 Data File : BF136830.D
 Acq On : 29 Dec 2023 15:40
 Operator : CG\JU
 Sample : 05899-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

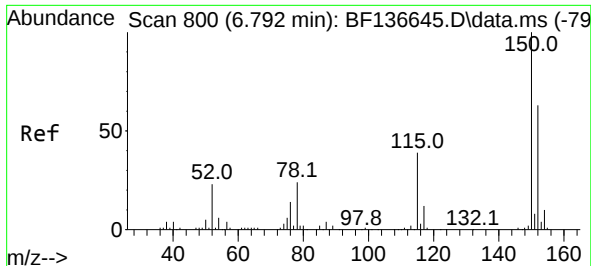
Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-02

Quant Time: Dec 29 15:59:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	72492	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	273010	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	143984	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	277618	20.000	ng	0.00
76) Chrysene-d12	13.963	240	159999	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	140838	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	366708	78.929	ng	0.00
7) Phenol-d6	6.428	99	461591	76.674	ng	-0.01
23) Nitrobenzene-d5	7.345	82	289204	54.206	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	137108	80.855	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	611000	57.075	ng	-0.02
79) Terphenyl-d14	12.904	244	633476	55.329	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.339	77	7587	2.216	ng	# 1
19) n-Nitroso-di-n-propyla...	7.345	70	37854	10.373	ng	# 73
25) Isophorone	7.345	82	288092	29.676	ng	# 65
31) Naphthalene	8.081	128	138485	9.233	ng	99
33) 4-Chloroaniline	8.081	127	17552	3.170	ng	# 33
37) 2-Methylnaphthalene	8.769	142	34418	3.566	ng	96
38) 1-Methylnaphthalene	8.869	142	28929	3.055	ng	95
46) 1,1'-Biphenyl	9.233	154	25015	2.070	ng	95
50) Dimethylphthalate	9.816	163	29385	2.794	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	19305	8.088	ng	# 30
52) Acenaphthene	9.845	154	106609	12.250	ng	94
55) Dibenzofuran	10.022	168	98701	7.482	ng	97
56) 4-Nitrophenol	10.022	139	33509	19.632	ng	# 9
57) 2,4-Dinitrotoluene	9.816	165	19305	6.230	ng	# 21
58) Fluorene	10.363	166	90096	8.607	ng	98
67) 4-Bromophenyl-phenylether	10.610	248	8335	2.703	ng	# 1
71) Phenanthrene	11.333	178	257784	18.097	ng	99
72) Anthracene	11.386	178	277374	19.227	ng	99
73) Carbazole	11.545	167	91991	6.763	ng	99
75) Fluoranthene	12.527	202	187363	12.297	ng	100
78) Pyrene	12.757	202	125620	7.998	ng	99
81) Benzo(a)anthracene	13.951	228	27892	2.510	ng	97
88) Benzo(b)fluoranthene	15.010	252	23292	2.476	ng	96
89) Benzo(k)fluoranthene	15.010	252	23292	2.620	ng	95

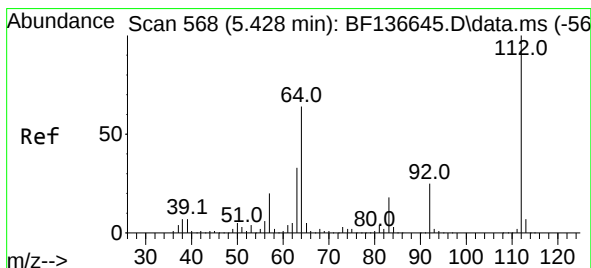
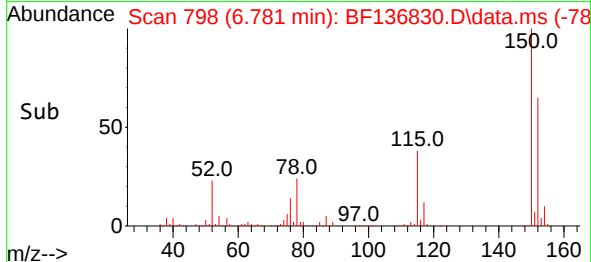
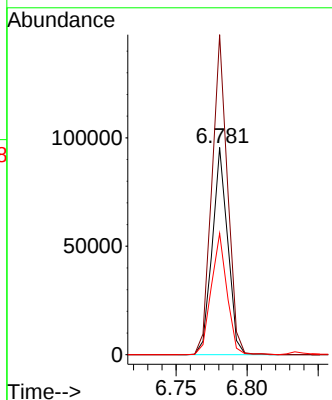
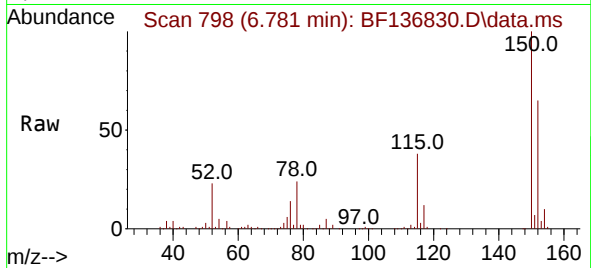
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

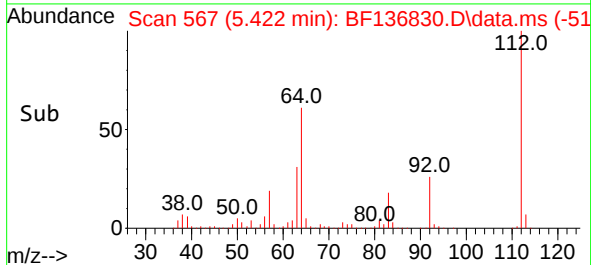
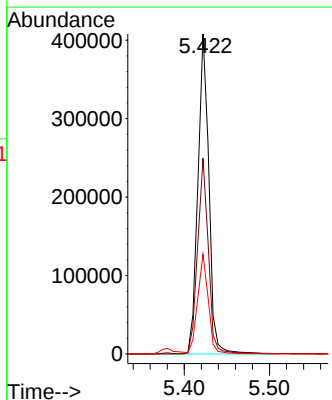
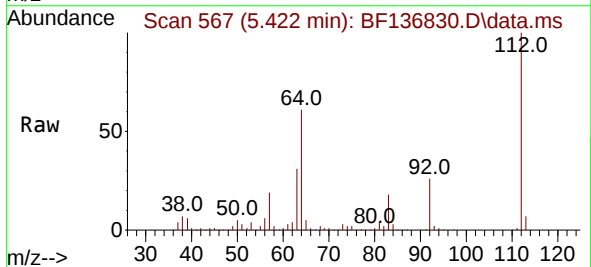
Instrument :
BNA_F
ClientSampleId :
GHL-SS-02

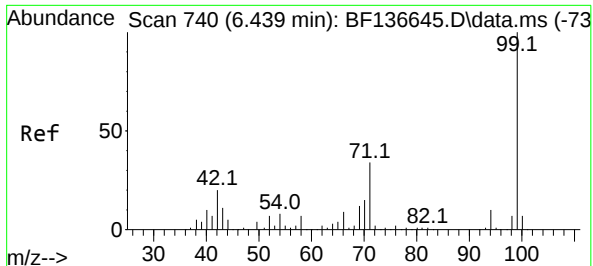
Tgt Ion:152 Resp: 72492
Ion Ratio Lower Upper
152 100
150 154.5 127.0 190.6
115 58.5 49.0 73.4



#5
2-Fluorophenol
Concen: 78.929 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

Tgt Ion:112 Resp: 366708
Ion Ratio Lower Upper
112 100
64 61.1 51.1 76.7
63 31.1 26.1 39.1

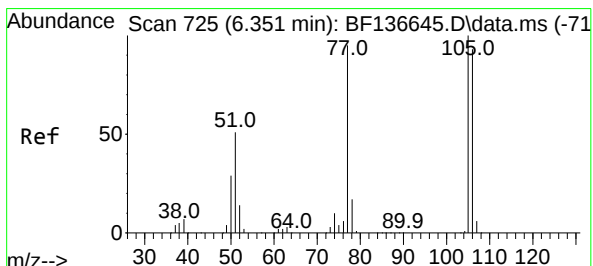
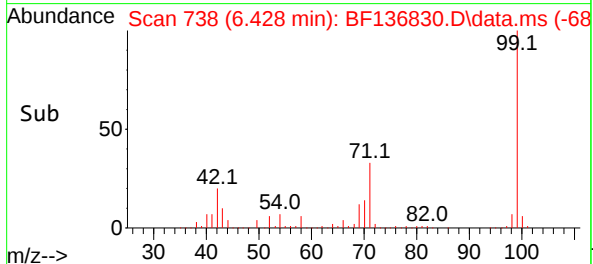
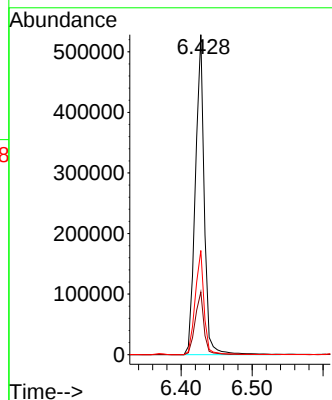
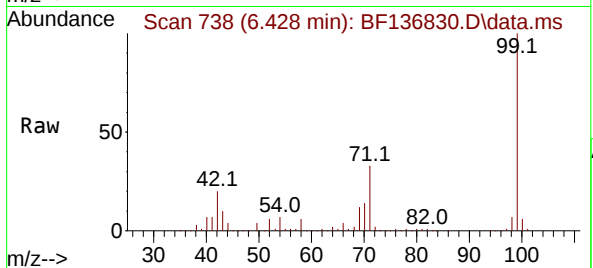




#7
Phenol-d6
Concen: 76.674 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

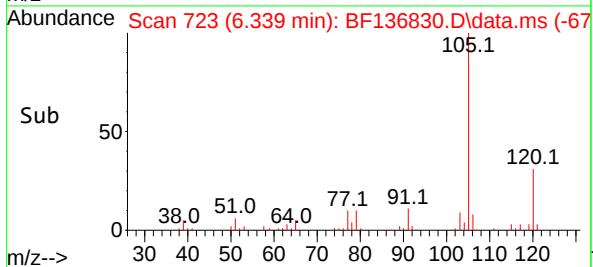
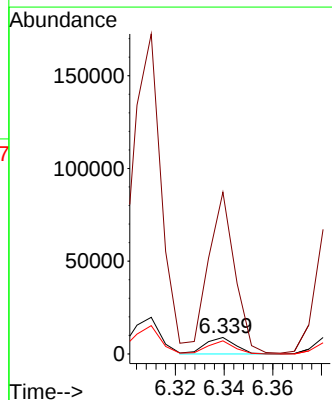
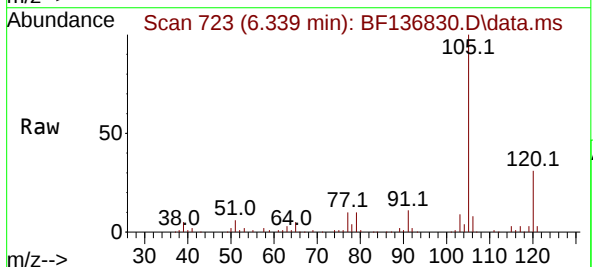
Instrument :
BNA_F
ClientSampleId :
GHL-SS-02

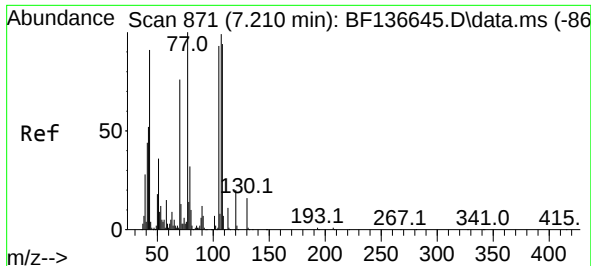
Tgt Ion: 99 Resp: 461591
Ion Ratio Lower Upper
99 100
42 19.6 16.1 24.1
71 32.6 27.4 41.2



#9
Benzaldehyde
Concen: 2.216 ng
RT: 6.339 min Scan# 723
Delta R.T. -0.012 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

Tgt Ion: 77 Resp: 7587
Ion Ratio Lower Upper
77 100
105 977.6 84.8 124.8#
106 79.3 77.8 117.8

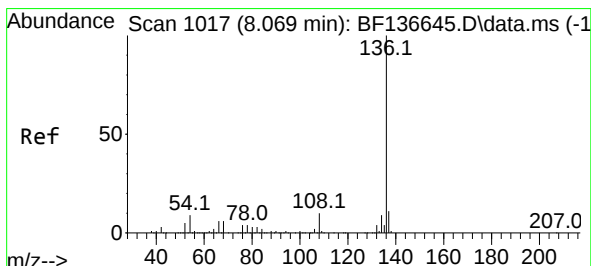
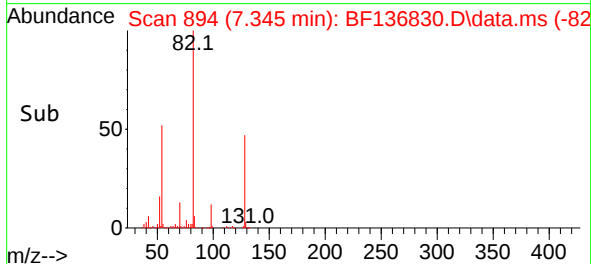
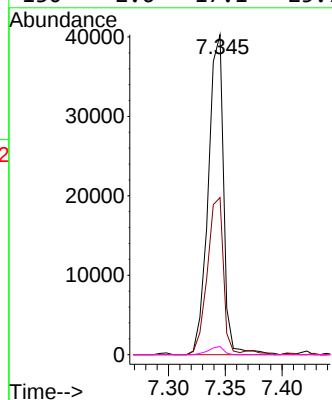
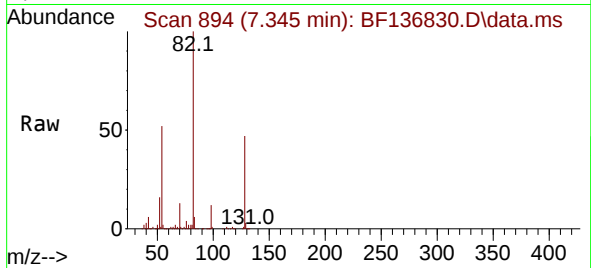




#19
n-Nitroso-di-n-propylamine
Concen: 10.373 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

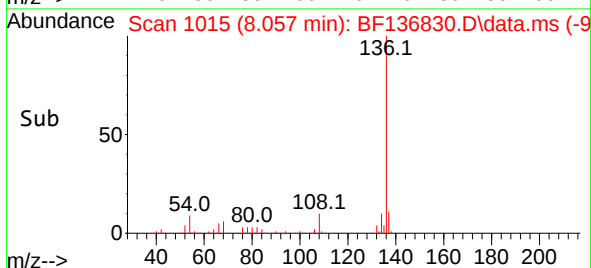
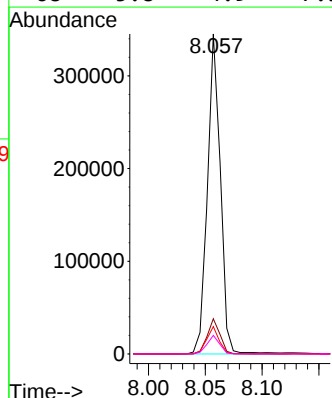
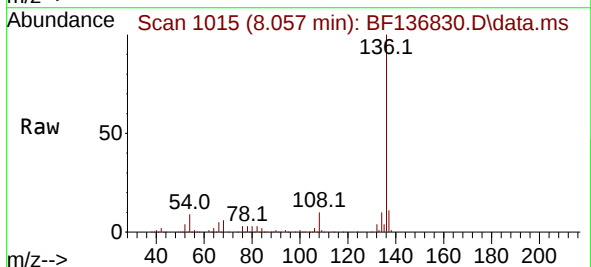
Instrument :
BNA_F
ClientSampleId :
GHL-SS-02

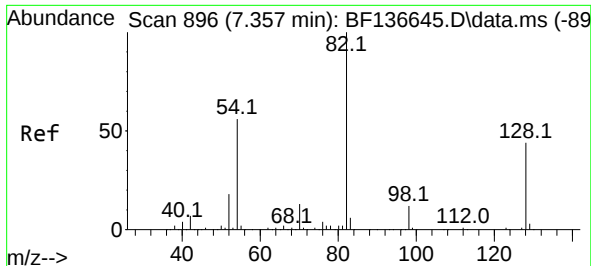
Tgt Ion: 70 Resp: 37854
Ion Ratio Lower Upper
70 100
42 49.1 54.2 81.4#
101 0.0 7.6 11.4#
130 2.6 17.1 25.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

Tgt Ion: 136 Resp: 273010
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 8.5 7.2 10.8
68 5.8 4.9 7.3





#23

Nitrobenzene-d5

Concen: 54.206 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF136830.D

Acq: 29 Dec 2023 15:40

Instrument :

BNA_F

ClientSampleId :

GHL-SS-02

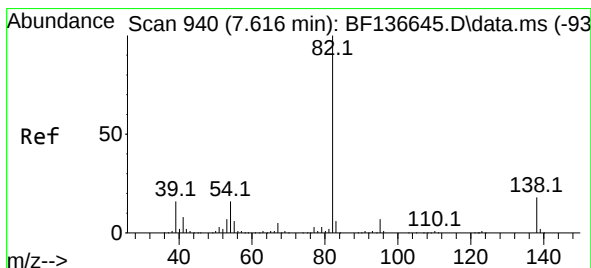
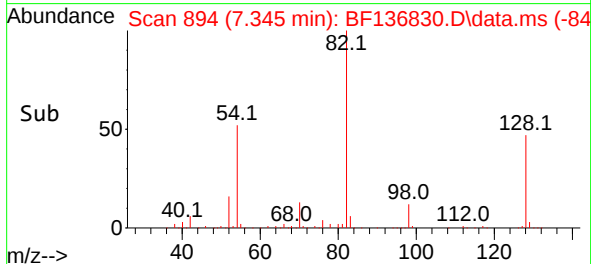
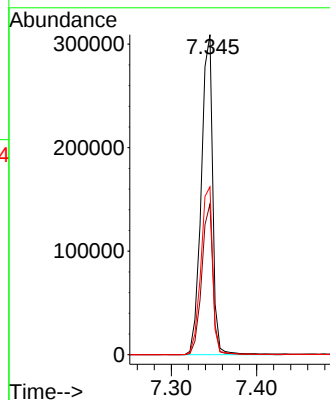
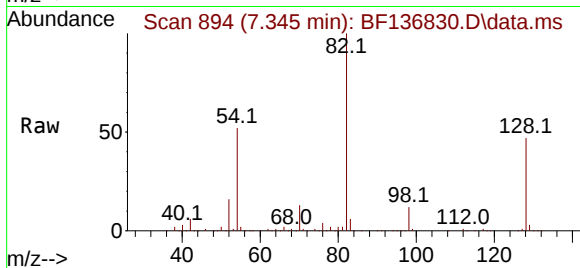
Tgt Ion: 82 Resp: 289204

Ion Ratio Lower Upper

82 100

128 47.1 35.3 52.9

54 52.4 44.5 66.7



#25

Isophorone

Concen: 29.676 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.271 min

Lab File: BF136830.D

Acq: 29 Dec 2023 15:40

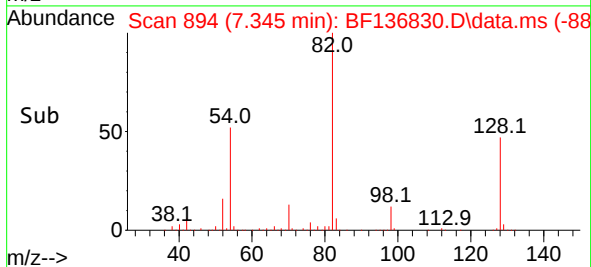
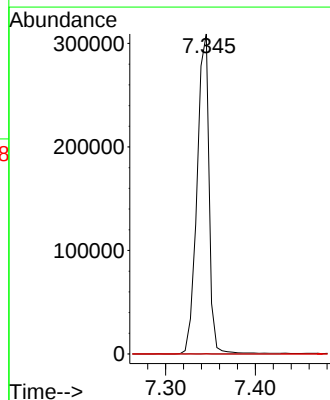
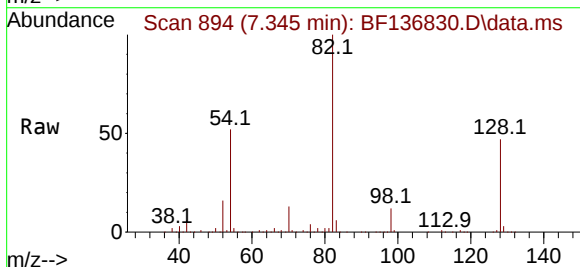
Tgt Ion: 82 Resp: 288092

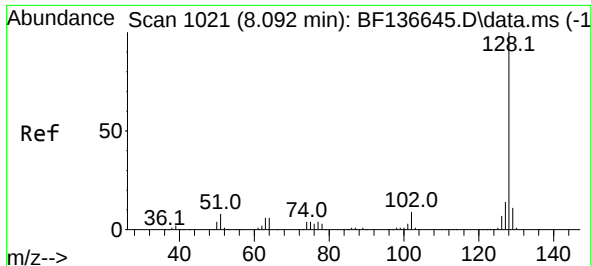
Ion Ratio Lower Upper

82 100

95 0.1 5.5 8.3#

138 0.0 14.5 21.7#

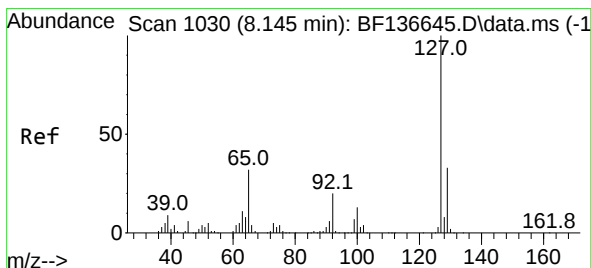
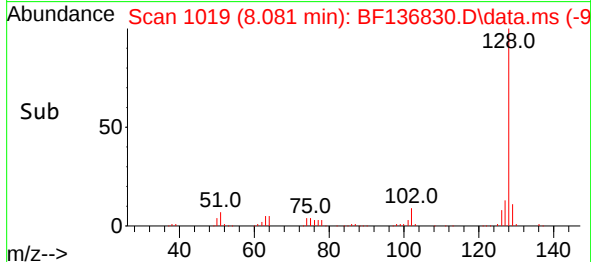
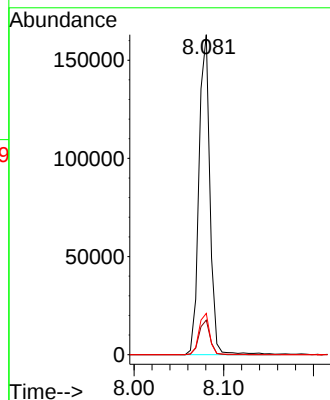
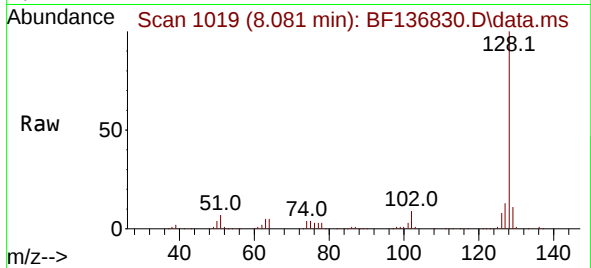




#31
Naphthalene
Concen: 9.233 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

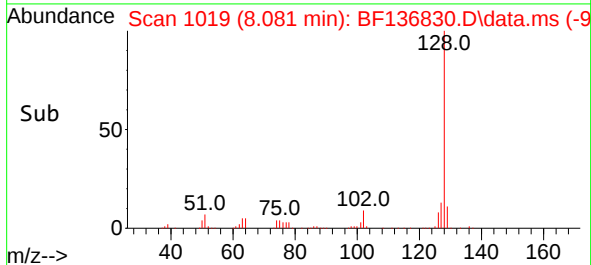
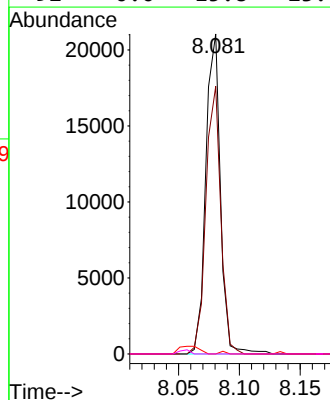
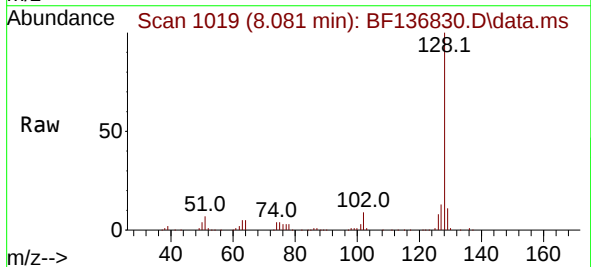
Instrument :
BNA_F
ClientSampleId :
GHL-SS-02

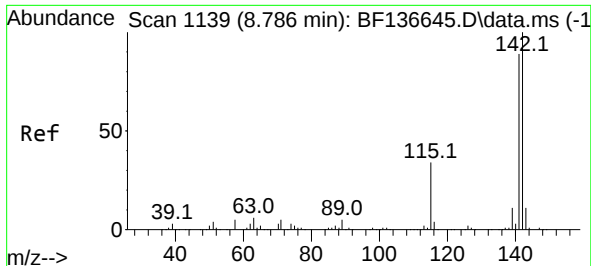
Tgt Ion:128 Resp: 138485
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 12.9 10.8 16.2



#33
4-Chloroaniline
Concen: 3.170 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.065 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

Tgt Ion:127 Resp: 17552
Ion Ratio Lower Upper
127 100
129 83.7 26.3 39.5#
65 0.0 25.8 38.8#
92 0.0 15.8 23.6#





#37

2-Methylnaphthalene

Concen: 3.566 ng

RT: 8.769 min Scan# 1136

Delta R.T. -0.018 min

Lab File: BF136830.D

Acq: 29 Dec 2023 15:40

Instrument :

BNA_F

ClientSampleId :

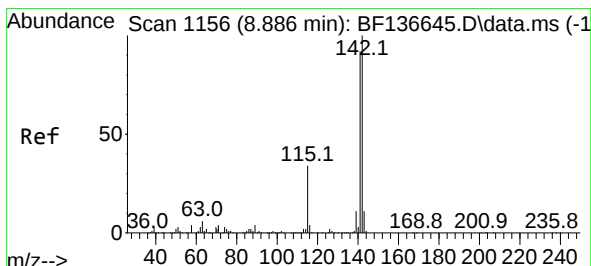
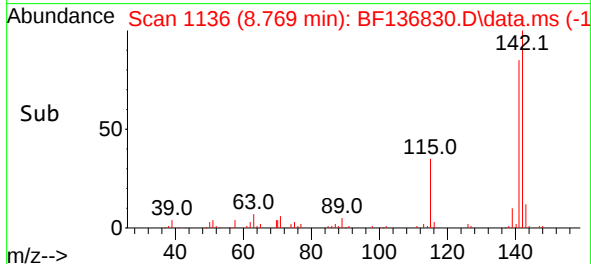
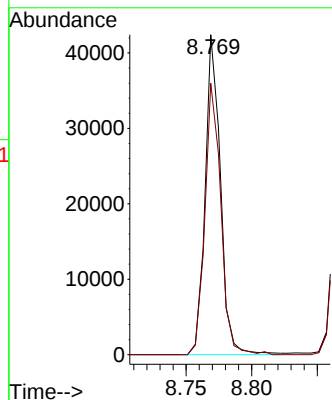
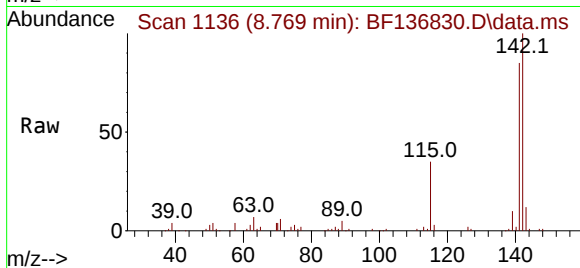
GHL-SS-02

Tgt Ion:142 Resp: 34418

Ion Ratio Lower Upper

142 100

141 84.8 71.1 106.7



#38

1-Methylnaphthalene

Concen: 3.055 ng

RT: 8.869 min Scan# 1153

Delta R.T. -0.018 min

Lab File: BF136830.D

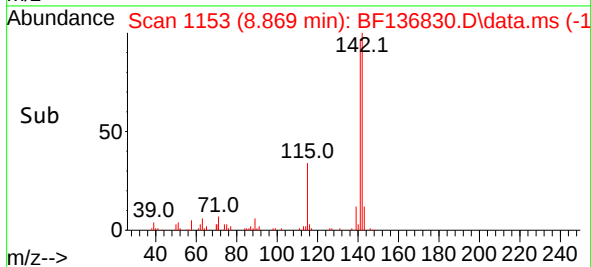
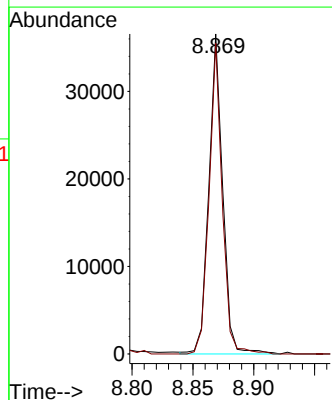
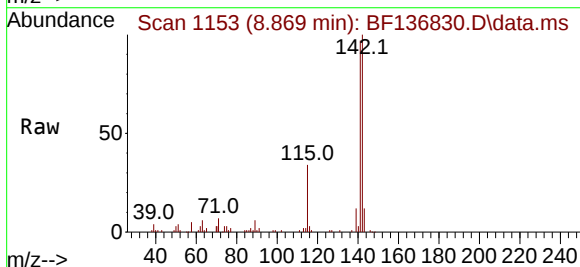
Acq: 29 Dec 2023 15:40

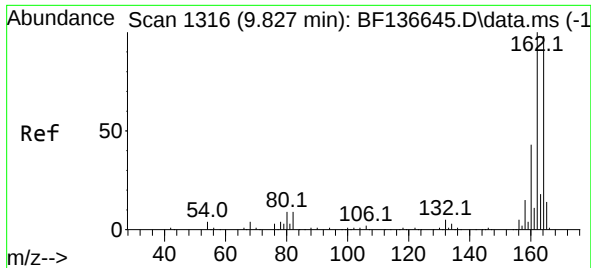
Tgt Ion:142 Resp: 28929

Ion Ratio Lower Upper

142 100

141 97.1 73.6 110.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136830.D

Acq: 29 Dec 2023 15:40

Instrument :

BNA_F

ClientSampleId :

GHL-SS-02

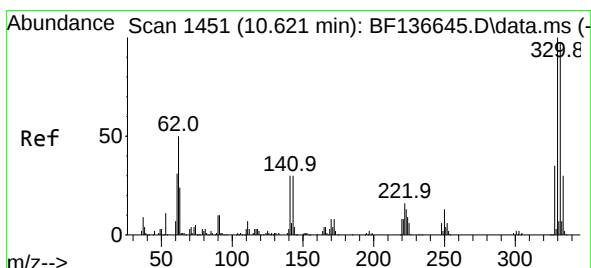
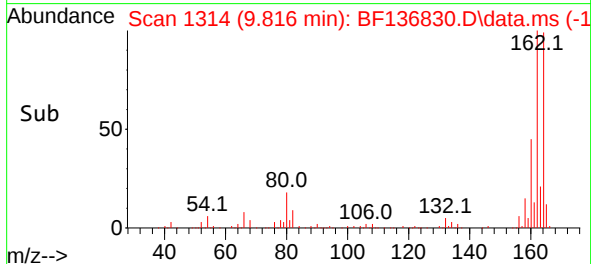
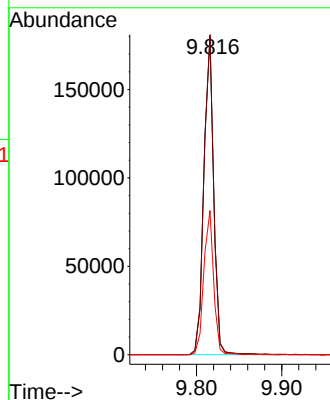
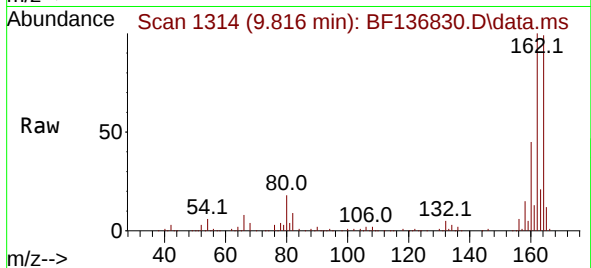
Tgt Ion:164 Resp: 143984

Ion Ratio Lower Upper

164 100

162 100.9 81.6 122.4

160 45.5 34.9 52.3



#42

2,4,6-Tribromophenol

Concen: 80.855 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF136830.D

Acq: 29 Dec 2023 15:40

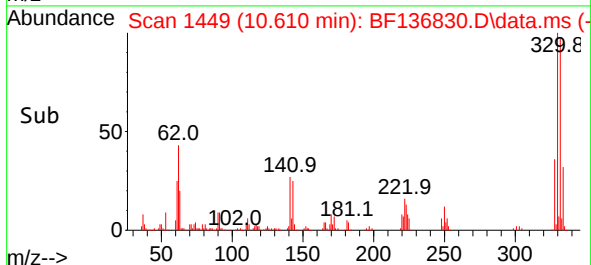
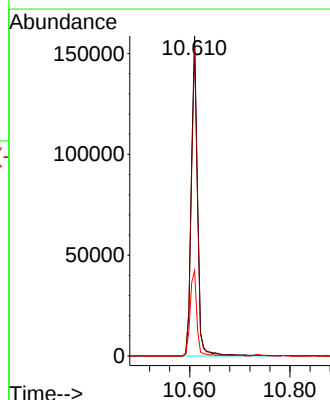
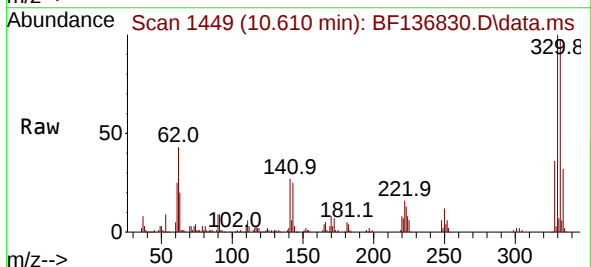
Tgt Ion:330 Resp: 137108

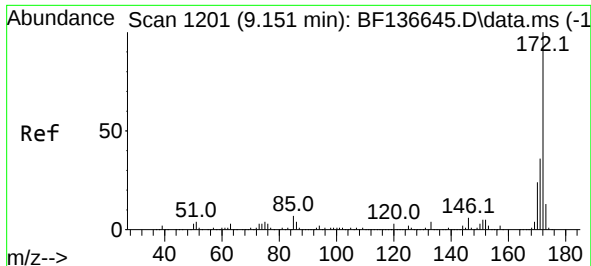
Ion Ratio Lower Upper

330 100

332 95.0 77.4 116.0

141 28.6 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 57.075 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136830.D

Acq: 29 Dec 2023 15:40

Instrument :

BNA_F

ClientSampleId :

GHL-SS-02

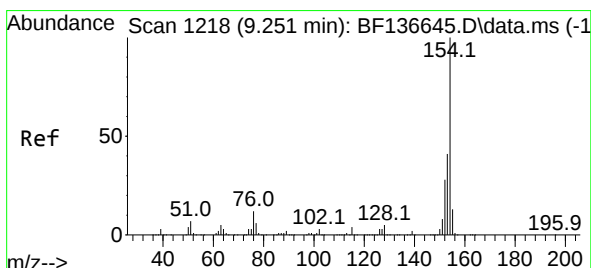
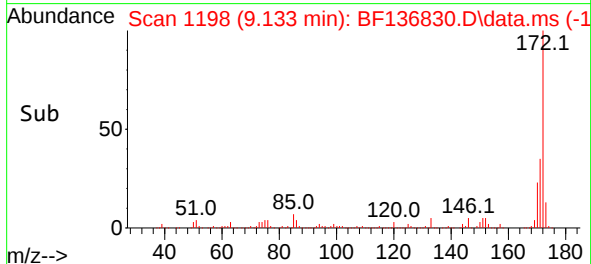
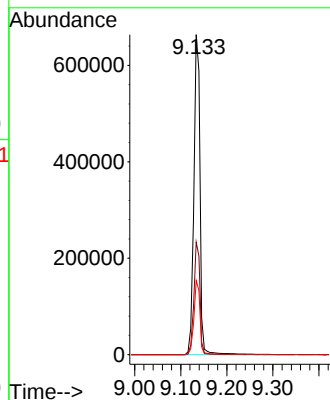
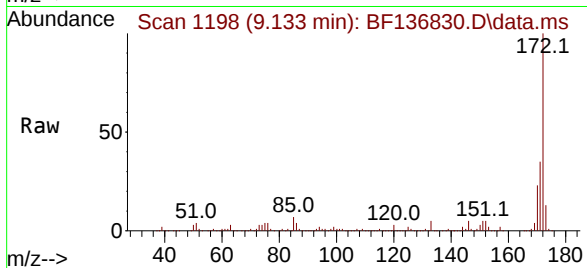
Tgt Ion:172 Resp: 611000

Ion Ratio Lower Upper

172 100

171 35.2 29.0 43.6

170 23.1 19.0 28.4



#46

1,1'-Biphenyl

Concen: 2.070 ng

RT: 9.233 min Scan# 1215

Delta R.T. -0.018 min

Lab File: BF136830.D

Acq: 29 Dec 2023 15:40

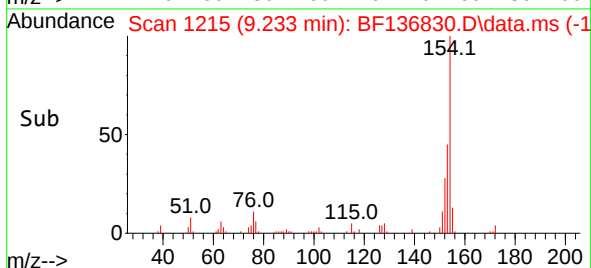
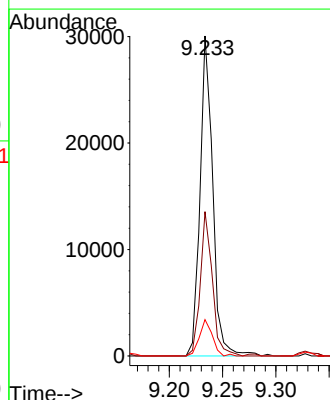
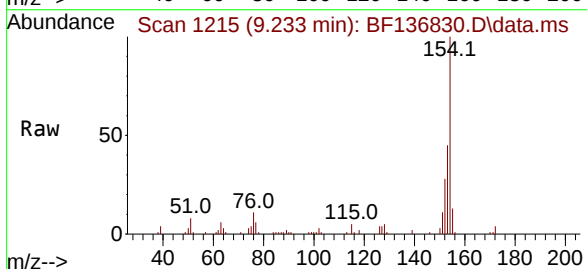
Tgt Ion:154 Resp: 25015

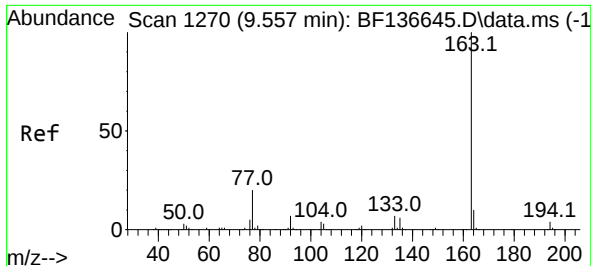
Ion Ratio Lower Upper

154 100

153 45.1 21.1 61.1

76 11.4 0.0 31.7

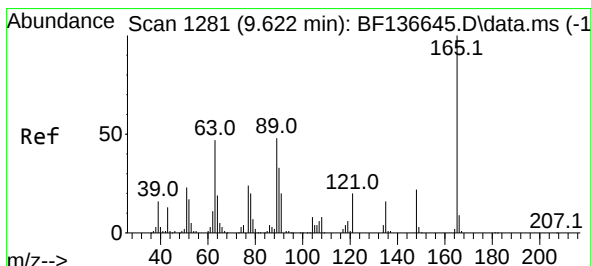
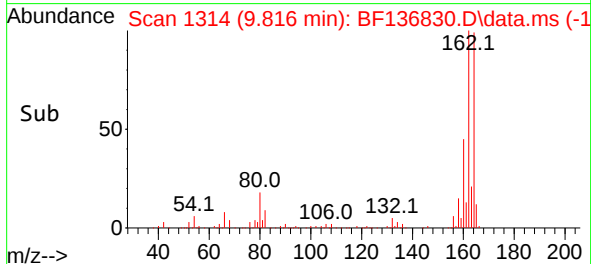
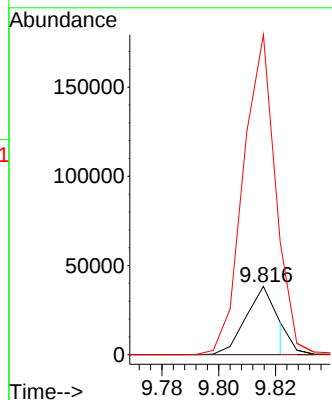
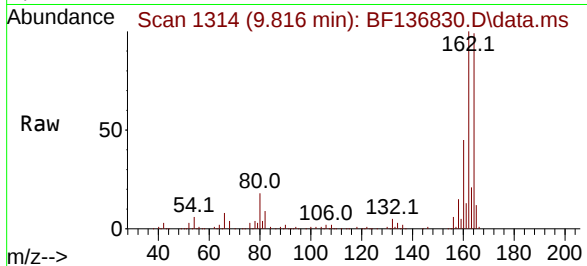




#50
Dimethylphthalate
Concen: 2.794 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

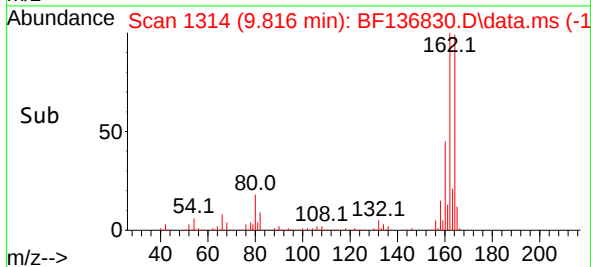
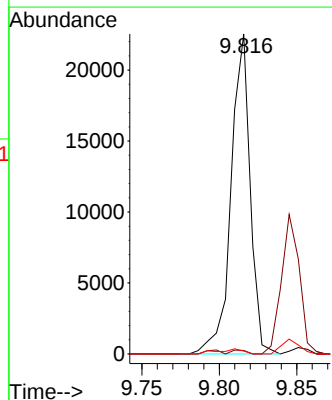
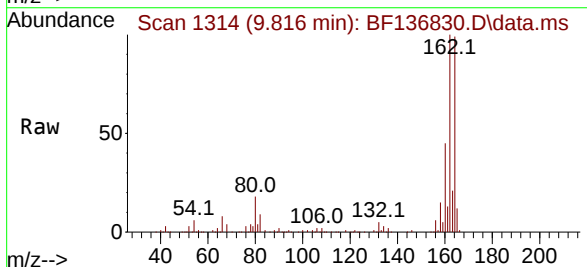
Instrument :
BNA_F
ClientSampleId :
GHL-SS-02

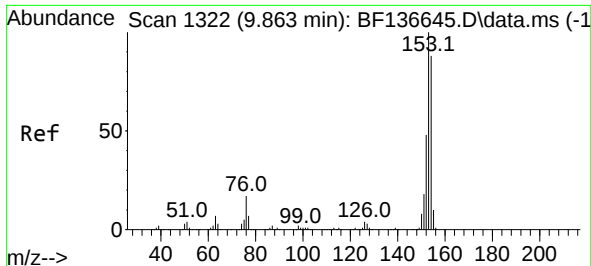
Tgt Ion:163 Resp: 29385
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 468.8 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 8.088 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

Tgt Ion:165 Resp: 19305
Ion Ratio Lower Upper
165 100
63 1.1 39.8 59.6#
89 0.9 38.8 58.2#

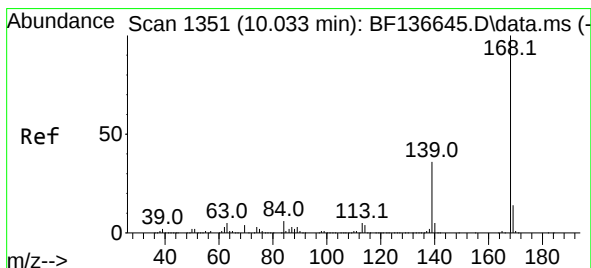
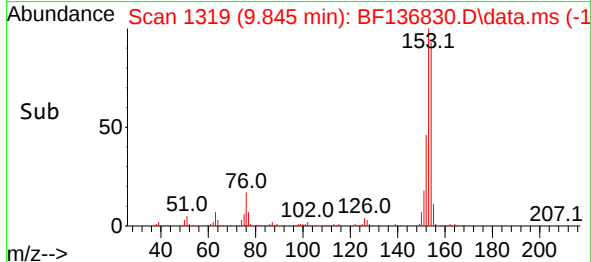
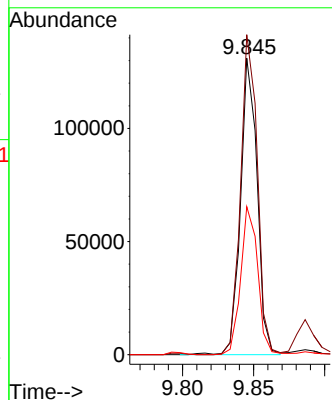
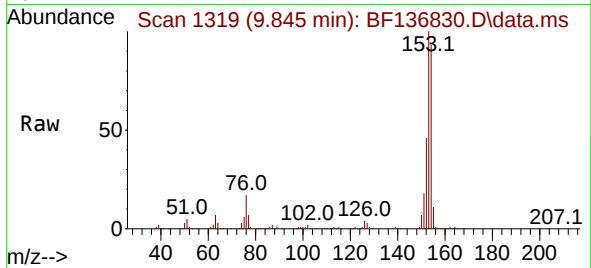




#52
Acenaphthene
Concen: 12.250 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

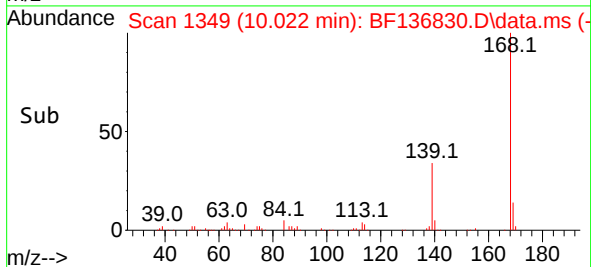
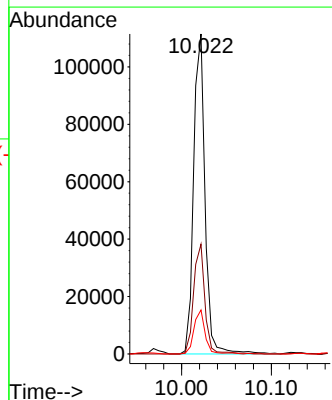
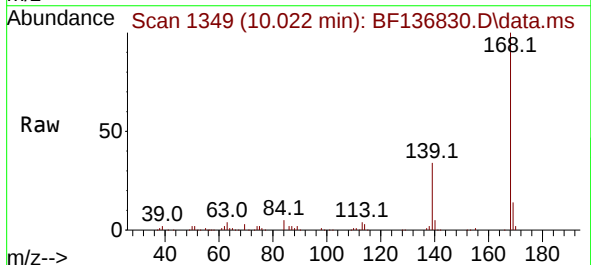
Instrument :
BNA_F
ClientSampleId :
GHL-SS-02

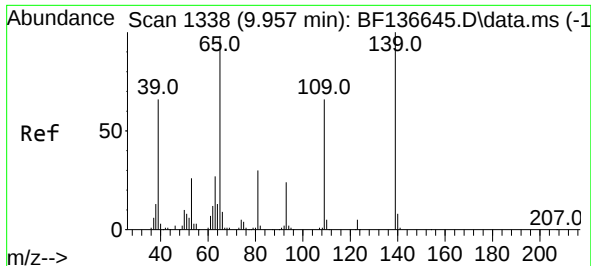
Tgt Ion:154 Resp: 106609
Ion Ratio Lower Upper
154 100
153 107.9 90.7 136.1
152 49.9 43.7 65.5



#55
Dibenzofuran
Concen: 7.482 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

Tgt Ion:168 Resp: 98701
Ion Ratio Lower Upper
168 100
139 34.3 29.3 43.9
169 13.8 11.0 16.4

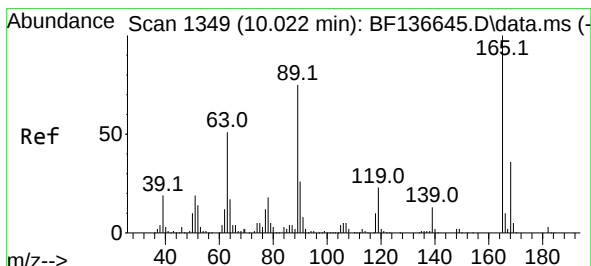
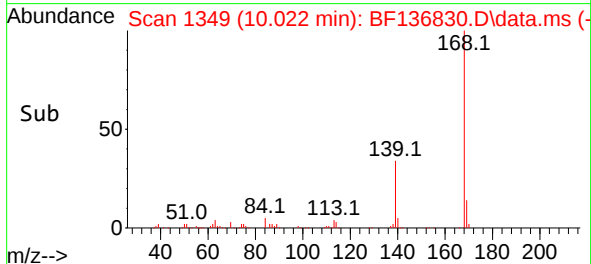
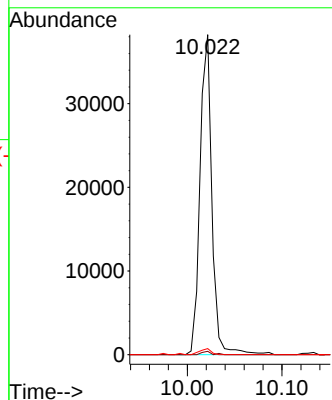
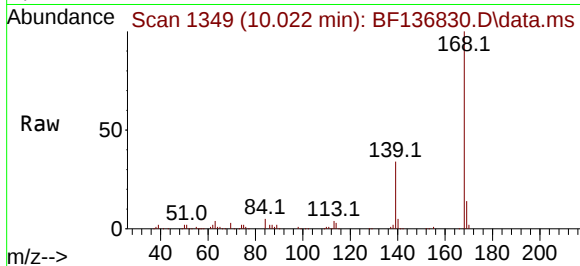




#56
4-Nitrophenol
Concen: 19.632 ng
RT: 10.022 min Scan# 11
Delta R.T. 0.065 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

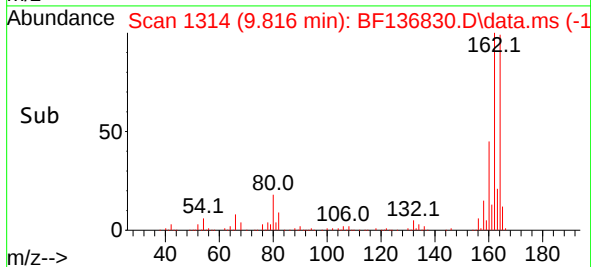
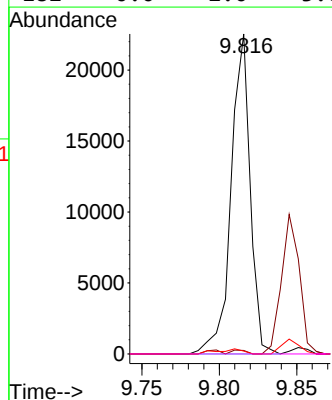
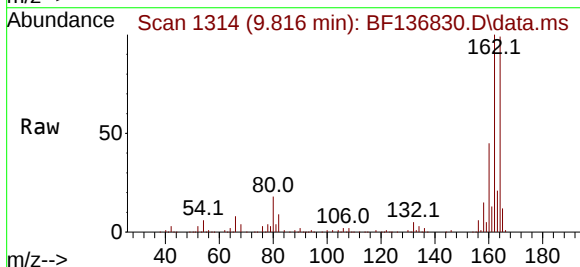
Instrument :
BNA_F
ClientSampleId :
GHL-SS-02

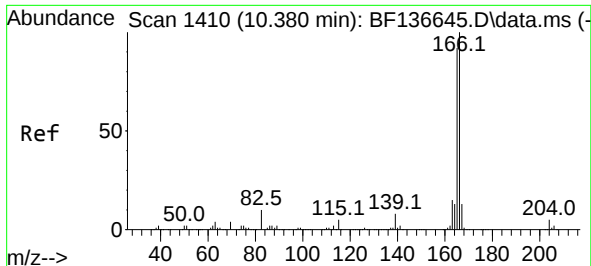
Tgt Ion:139 Resp: 33509
Ion Ratio Lower Upper
139 100
109 1.0 45.8 85.8#
65 1.9 77.8 117.8#



#57
2,4-Dinitrotoluene
Concen: 6.230 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.206 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

Tgt Ion:165 Resp: 19305
Ion Ratio Lower Upper
165 100
63 1.1 41.0 61.6#
89 0.9 59.9 89.9#
182 0.0 2.0 3.0#

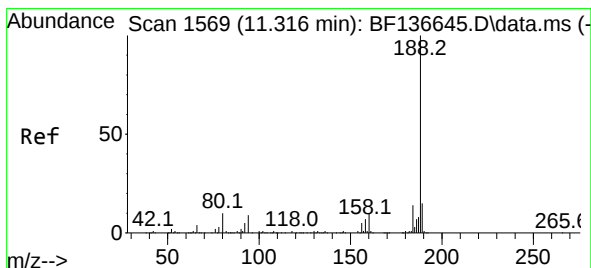
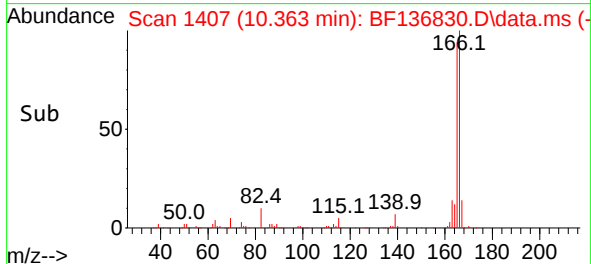
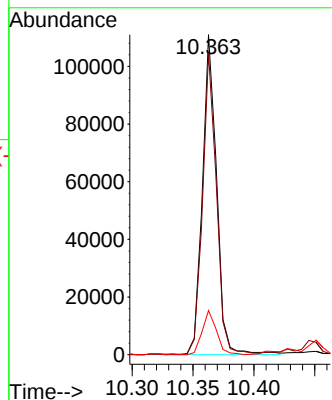
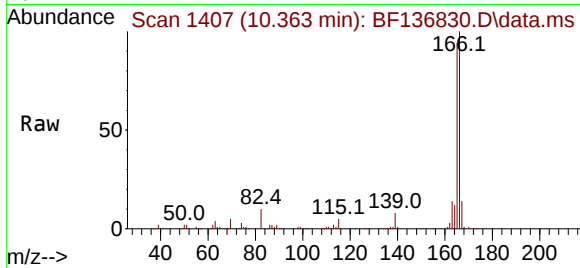




#58
Fluorene
Concen: 8.607 ng
RT: 10.363 min Scan# 1410
Delta R.T. -0.018 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

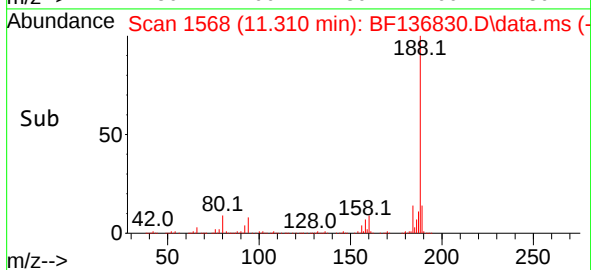
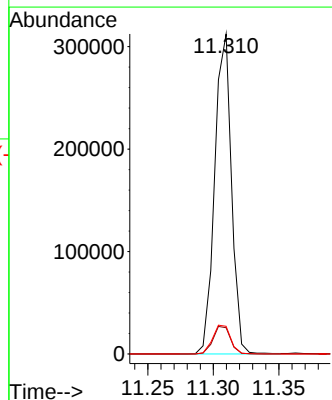
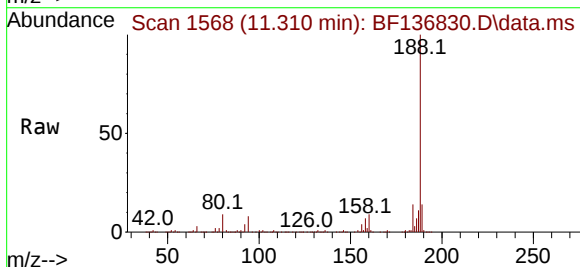
Instrument :
BNA_F
ClientSampleId :
GHL-SS-02

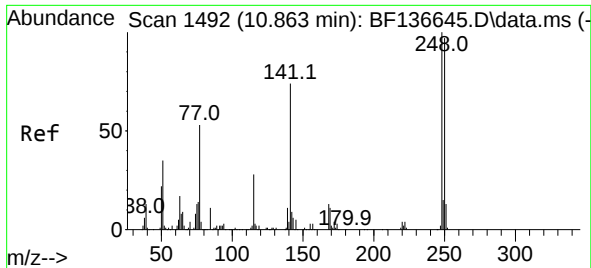
Tgt Ion:166 Resp: 90096
Ion Ratio Lower Upper
166 100
165 94.2 73.7 110.5
167 13.8 10.4 15.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

Tgt Ion:188 Resp: 277618
Ion Ratio Lower Upper
188 100
94 8.2 7.5 11.3
80 8.7 8.1 12.1

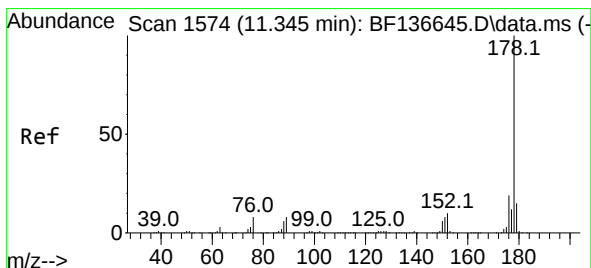
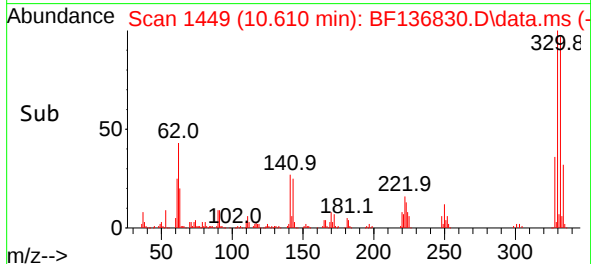
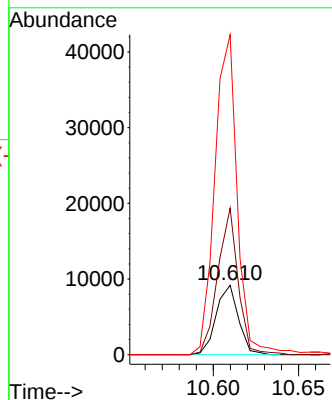
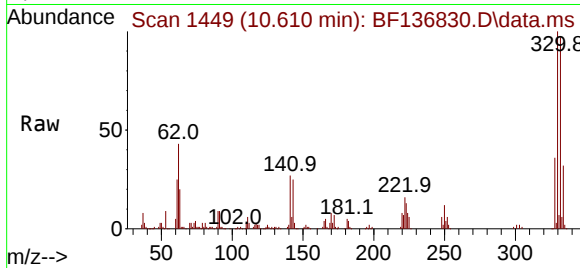




#67
4-Bromophenyl-phenylether
Concen: 2.703 ng
RT: 10.610 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

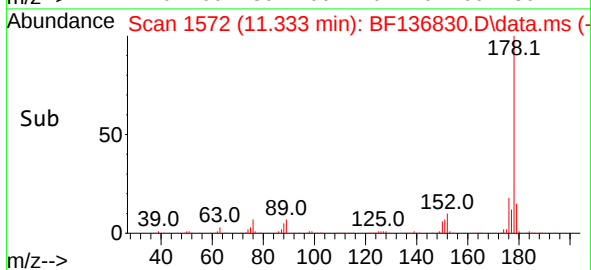
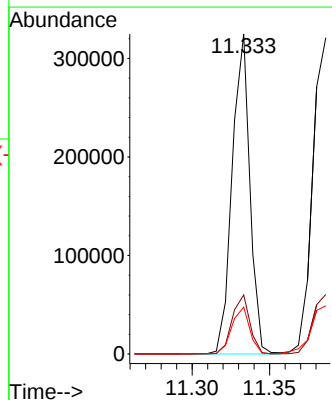
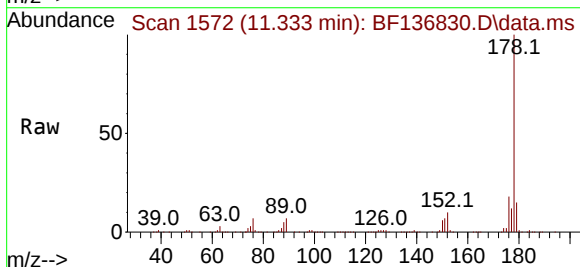
Instrument :
BNA_F
ClientSampleId :
GHL-SS-02

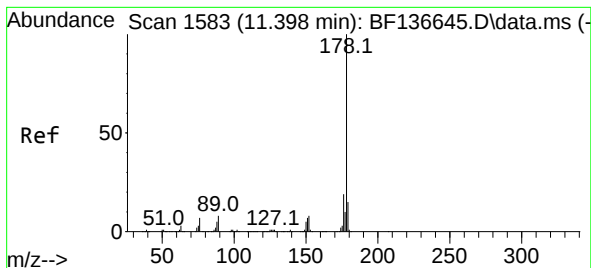
Tgt Ion:248 Resp: 8335
Ion Ratio Lower Upper
248 100
250 211.0 77.8 116.6#
141 460.5 59.2 88.8#



#71
Phenanthrene
Concen: 18.097 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

Tgt Ion:178 Resp: 257784
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 14.6 11.9 17.9





#72

Anthracene

Concen: 19.227 ng

RT: 11.386 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136830.D

Acq: 29 Dec 2023 15:40

Instrument :

BNA_F

ClientSampleId :

GHL-SS-02

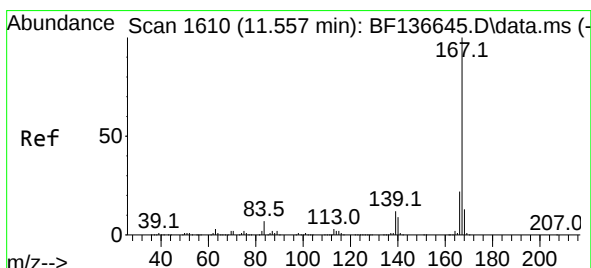
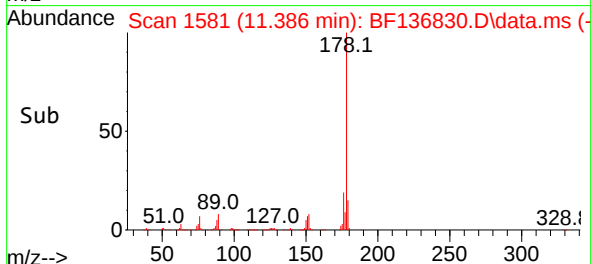
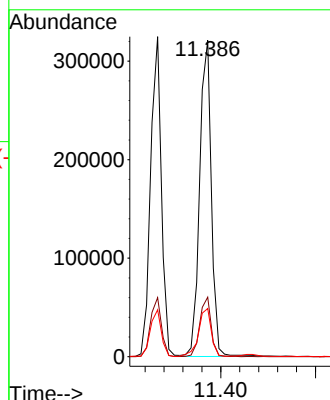
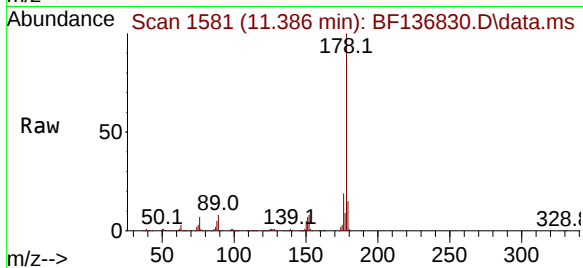
Tgt Ion:178 Resp: 277374

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

179 15.2 11.8 17.6



#73

Carbazole

Concen: 6.763 ng

RT: 11.545 min Scan# 1608

Delta R.T. -0.012 min

Lab File: BF136830.D

Acq: 29 Dec 2023 15:40

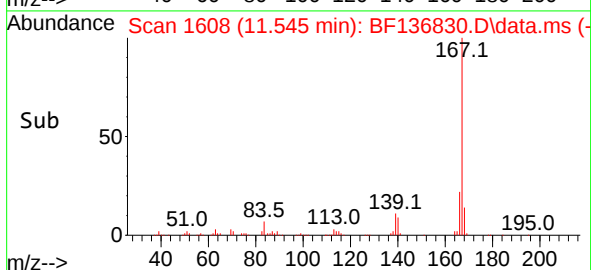
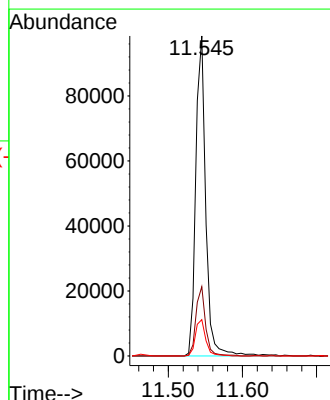
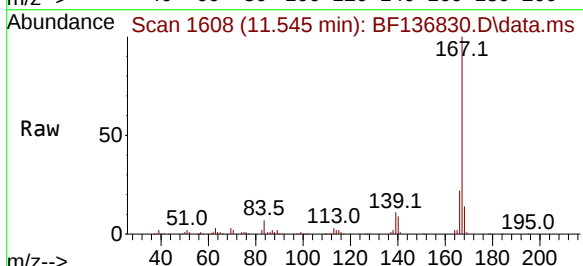
Tgt Ion:167 Resp: 91991

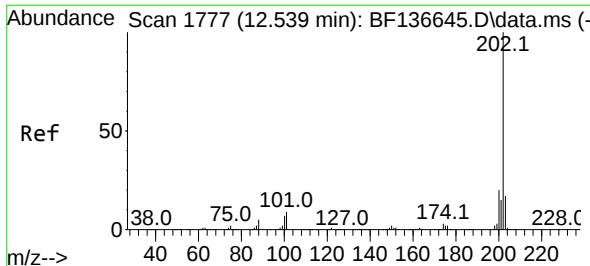
Ion Ratio Lower Upper

167 100

166 21.7 17.3 25.9

139 11.4 9.8 14.6

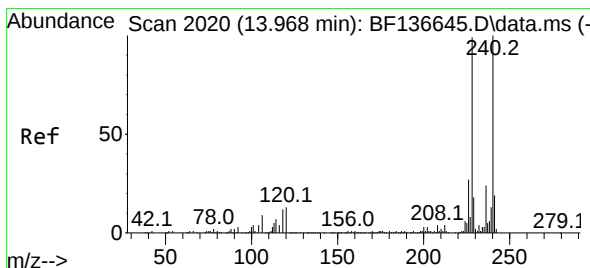
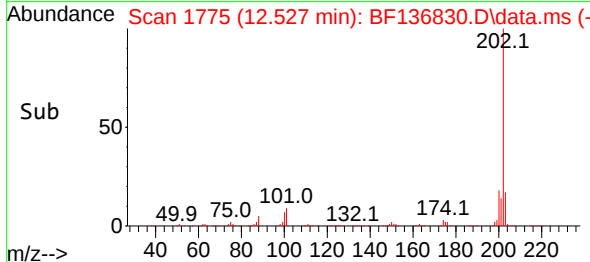
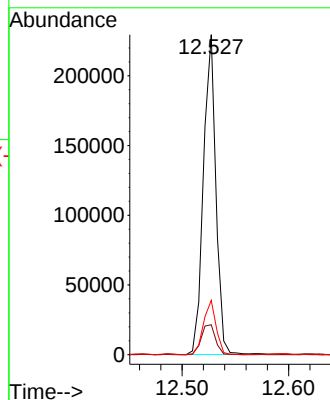
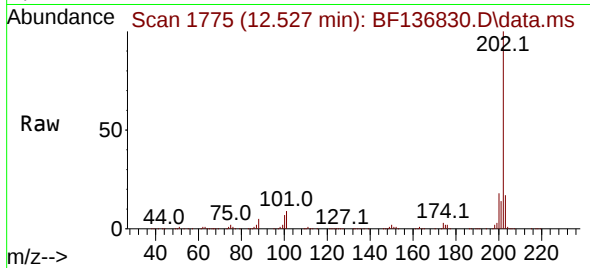




#75
Fluoranthene
Concen: 12.297 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

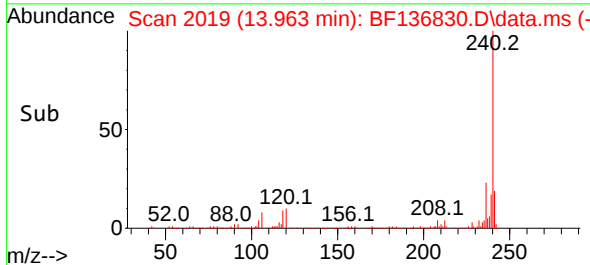
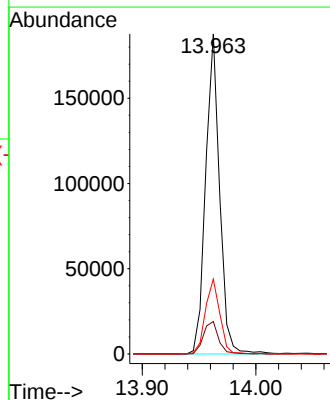
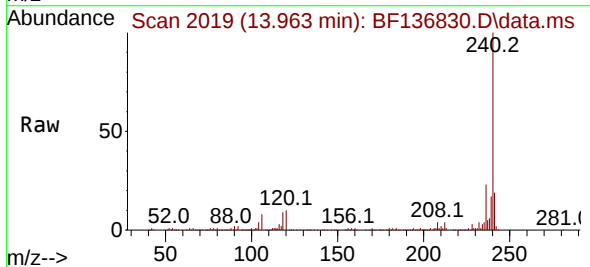
Instrument :
BNA_F
ClientSampleId :
GHL-SS-02

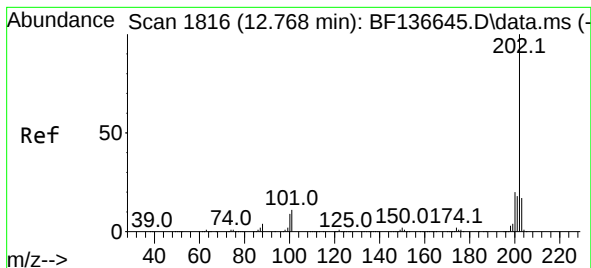
Tgt Ion:202 Resp: 187363
Ion Ratio Lower Upper
202 100
101 9.4 0.0 29.3
203 16.9 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

Tgt Ion:240 Resp: 159999
Ion Ratio Lower Upper
240 100
120 10.2 10.3 15.5#
236 23.4 19.4 29.2





#78

Pyrene

Concen: 7.998 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136830.D

Acq: 29 Dec 2023 15:40

Instrument :

BNA_F

ClientSampleId :

GHL-SS-02

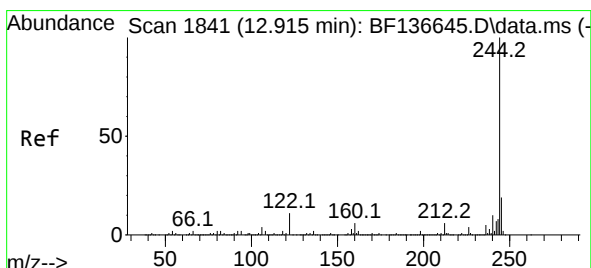
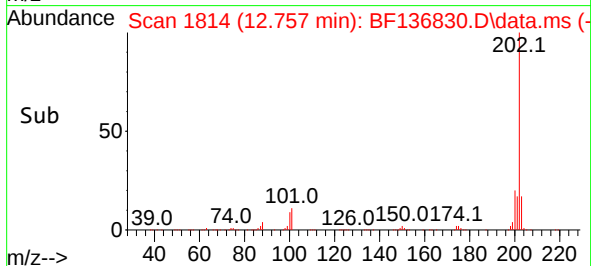
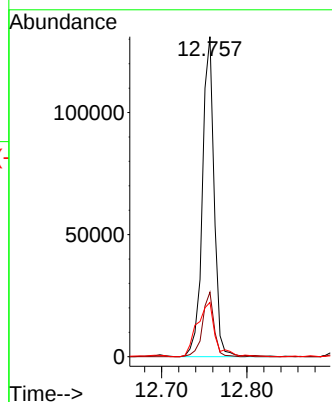
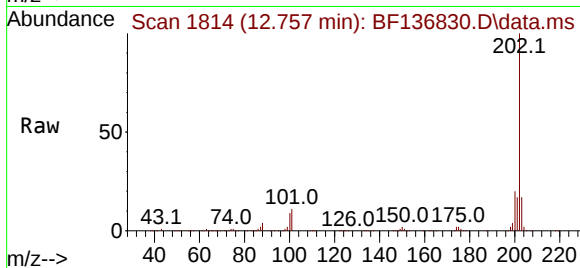
Tgt Ion:202 Resp: 125620

Ion Ratio Lower Upper

202 100

200 20.2 15.9 23.9

203 16.9 13.8 20.6



#79

Terphenyl-d14

Concen: 55.329 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136830.D

Acq: 29 Dec 2023 15:40

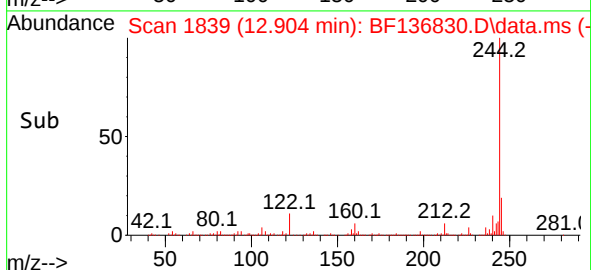
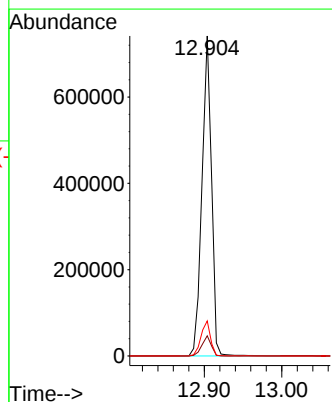
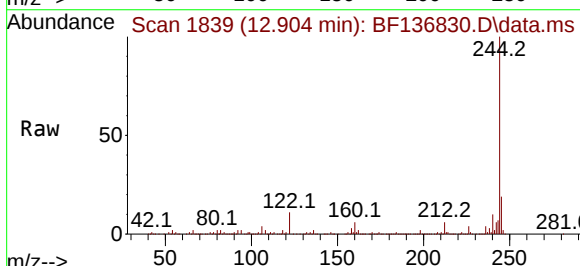
Tgt Ion:244 Resp: 633476

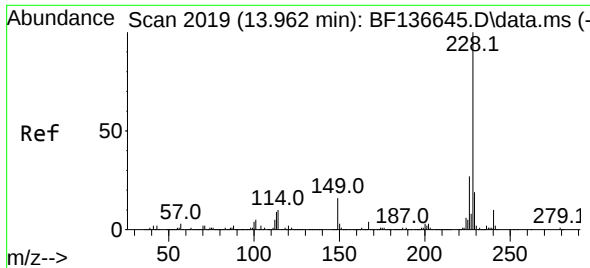
Ion Ratio Lower Upper

244 100

212 6.3 5.0 7.4

122 11.0 9.0 13.4

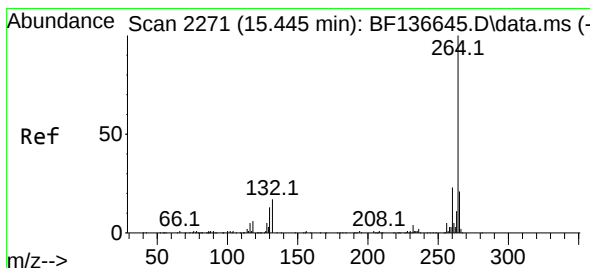
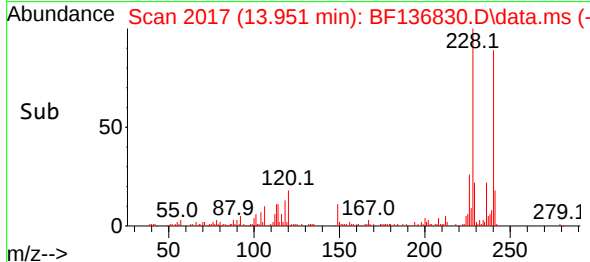
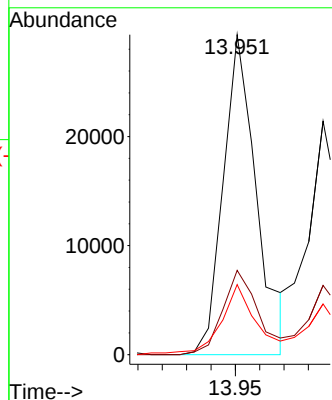
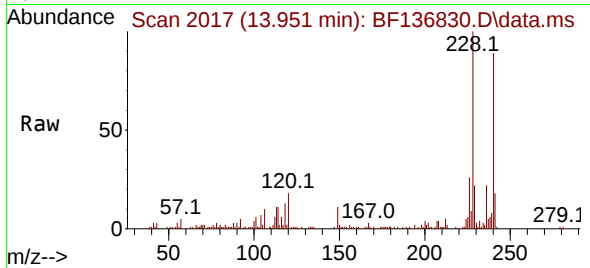




#81
Benzo(a)anthracene
Concen: 2.510 ng
RT: 13.951 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

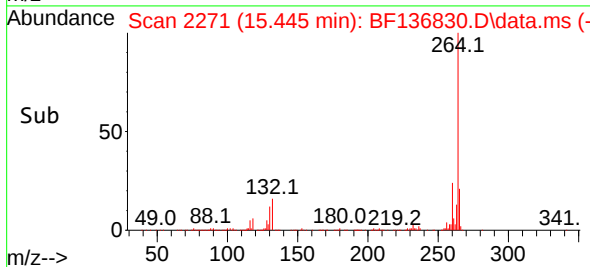
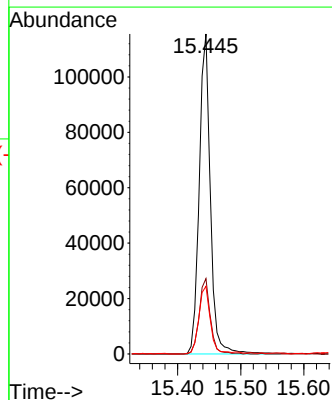
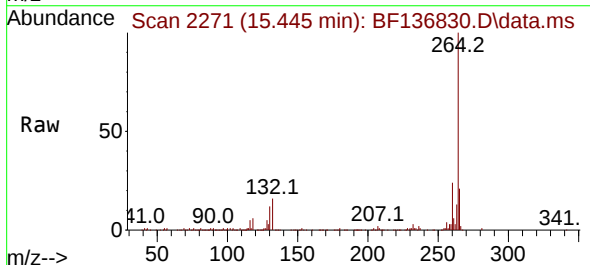
Instrument :
BNA_F
ClientSampleId :
GHL-SS-02

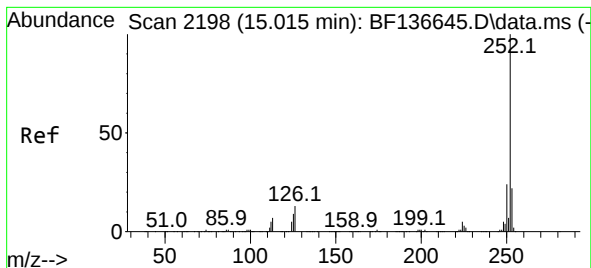
Tgt Ion:228 Resp: 27892
Ion Ratio Lower Upper
228 100
226 26.3 21.4 32.0
229 21.9 14.9 22.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

Tgt Ion:264 Resp: 140838
Ion Ratio Lower Upper
264 100
260 23.6 18.3 27.5
265 21.2 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 2.476 ng

RT: 15.010 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF136830.D

Acq: 29 Dec 2023 15:40

Instrument :

BNA_F

ClientSampleId :

GHL-SS-02

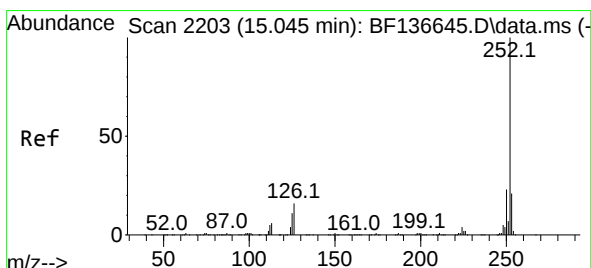
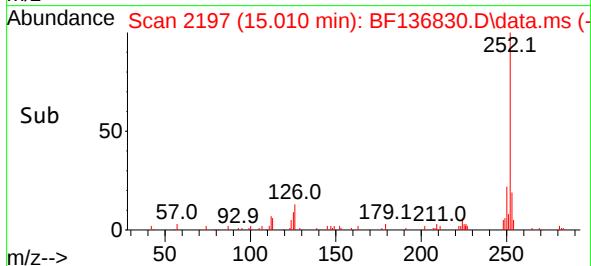
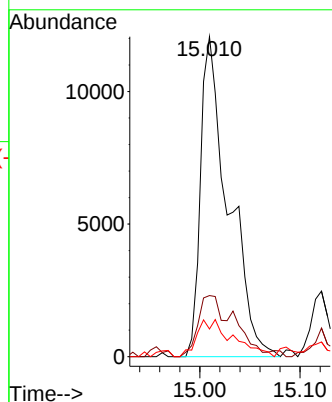
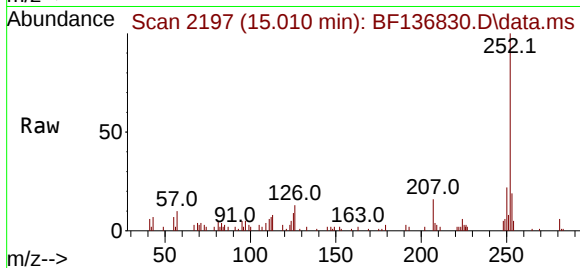
Tgt Ion:252 Resp: 23292

Ion Ratio Lower Upper

252 100

253 19.1 17.4 26.0

125 8.7 7.4 11.2



#89

Benzo(k)fluoranthene

Concen: 2.620 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.035 min

Lab File: BF136830.D

Acq: 29 Dec 2023 15:40

Tgt Ion:252 Resp: 23292

Ion Ratio Lower Upper

252 100

253 19.1 17.0 25.6

125 8.7 8.2 12.4

