

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010224\
 Data File : BF136894.D
 Acq On : 03 Jan 2024 03:12
 Operator : CG\JU
 Sample : 05899-16
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-05

Quant Time: Jan 03 04:21:24 2024
 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)

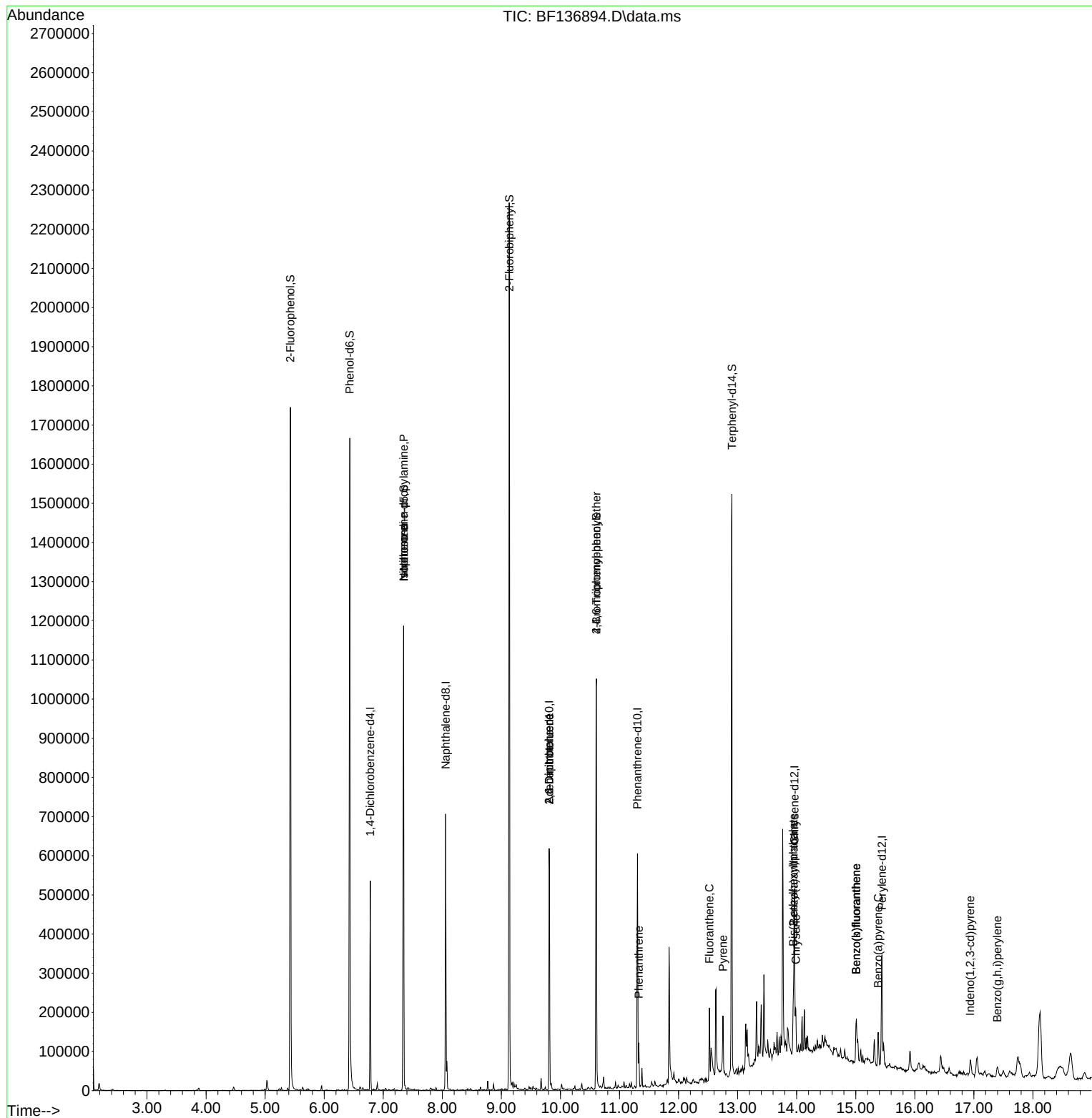
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	72522	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	272397	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	127837	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	206547	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	132614	20.000	ng	0.00
86) Perylene-d12	15.445	264	137152	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	474804	102.152	ng	0.00
7) Phenol-d6	6.434	99	591782	98.259	ng	0.00
23) Nitrobenzene-d5	7.345	82	364849	68.539	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	143788	95.504	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	702258	73.885	ng	-0.02
79) Terphenyl-d14	12.904	244	551559	58.123	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	49125	13.456	ng	# 72
25) Isophorone	7.345	82	364845	37.666	ng	# 65
51) 2,6-Dinitrotoluene	9.810	165	16752	7.905	ng	# 30
57) 2,4-Dinitrotoluene	9.810	165	16752	6.089	ng	# 21
67) 4-Bromophenyl-phenylether	10.610	248	8121	3.540	ng	# 1
71) Phenanthrene	11.327	178	35220	3.323	ng	100
75) Fluoranthene	12.522	202	72821	6.424	ng	97
78) Pyrene	12.751	202	60144	4.620	ng	97
81) Benzo(a)anthracene	13.951	228	41549	4.512	ng	95
83) Chrysene	13.986	228	35605	3.954	ng	93
84) Bis(2-ethylhexyl)phtha...	13.945	149	17812	2.989	ng	# 91
87) Indeno(1,2,3-cd)pyrene	16.939	276	27161	2.743	ng	100
88) Benzo(b)fluoranthene	15.010	252	84126	9.184	ng	98
89) Benzo(k)fluoranthene	15.010	252	84126	9.719	ng	99
90) Benzo(a)pyrene	15.380	252	37116	4.800	ng	99
92) Benzo(g,h,i)perylene	17.398	276	22596	2.716	ng	98

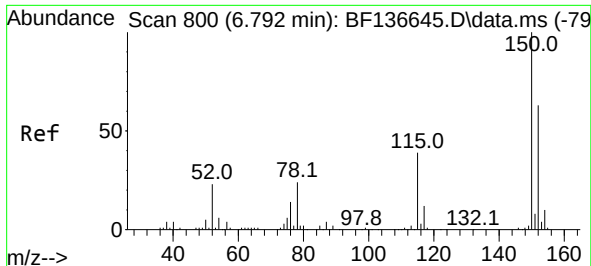
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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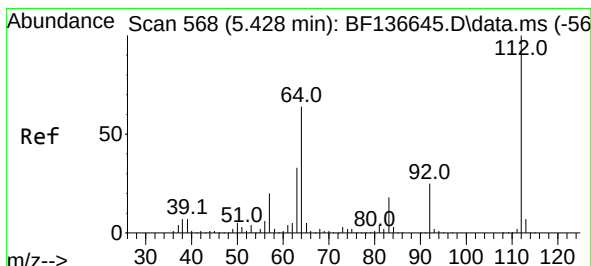
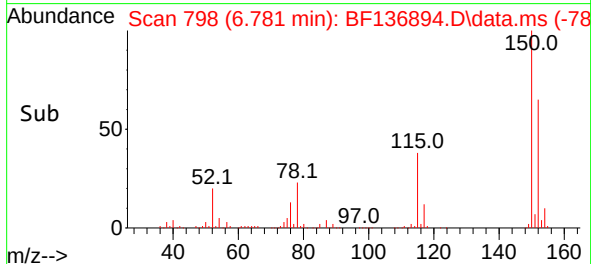
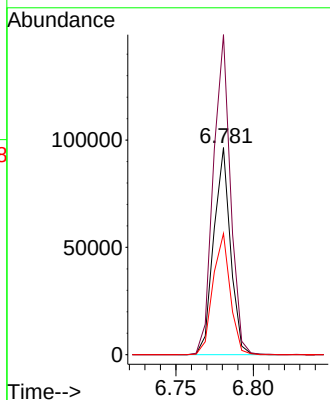
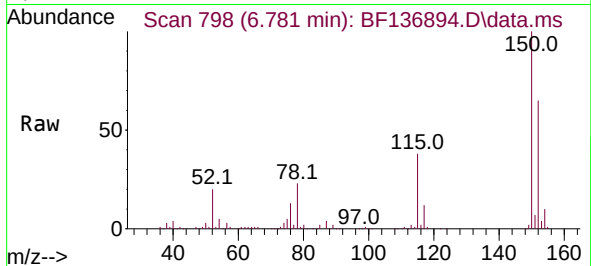




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12

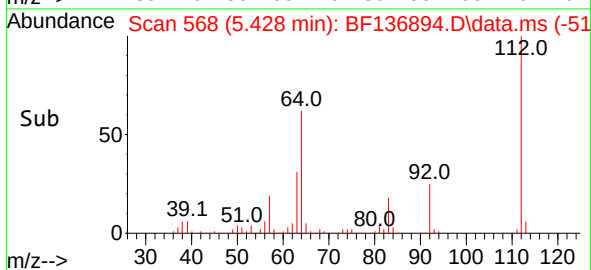
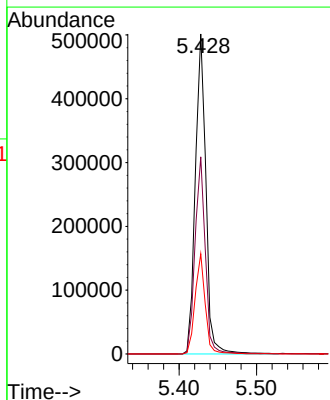
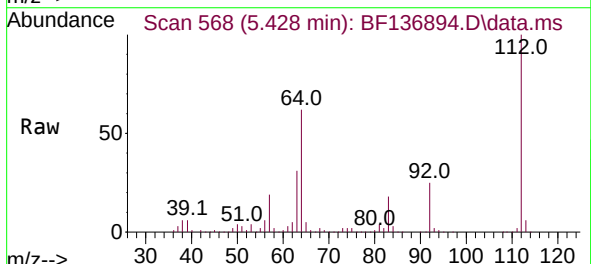
Instrument :
BNA_F
ClientSampleId :
GHL-SS-05

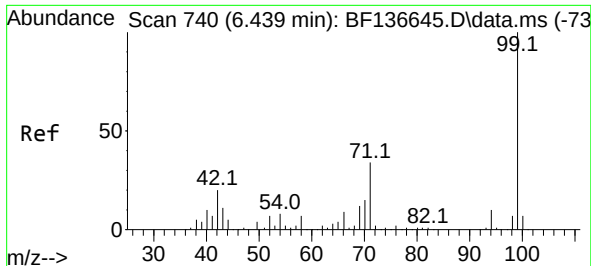
Tgt Ion:152 Resp: 72522
Ion Ratio Lower Upper
152 100
150 154.5 127.0 190.6
115 58.5 49.0 73.4



#5
2-Fluorophenol
Concen: 102.152 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12

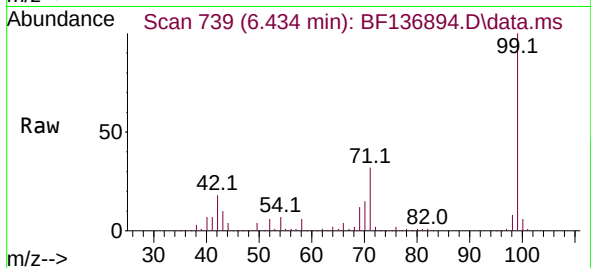
Tgt Ion:112 Resp: 474804
Ion Ratio Lower Upper
112 100
64 61.6 51.1 76.7
63 31.3 26.1 39.1



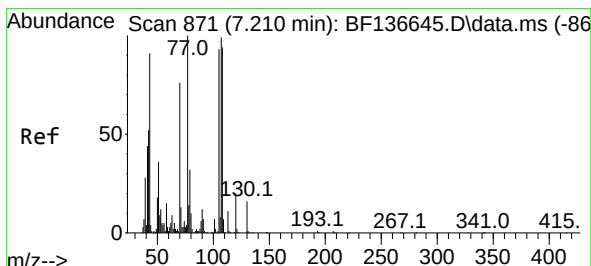
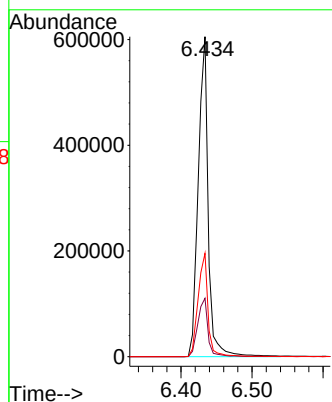
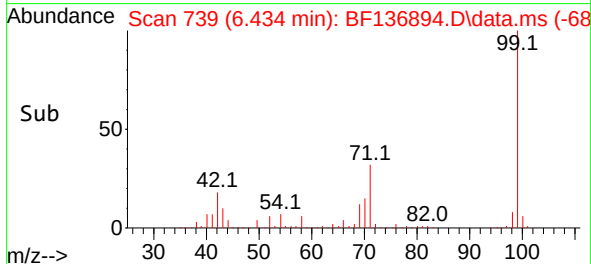


#7
Phenol-d6
Concen: 98.259 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12

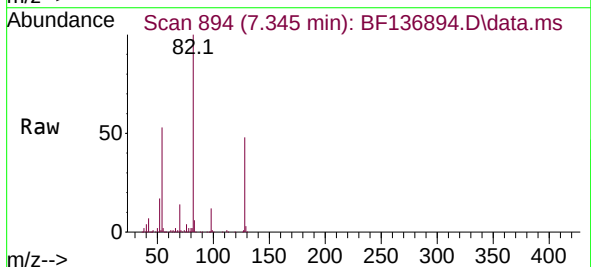
Instrument :
BNA_F
ClientSampleId :
GHL-SS-05



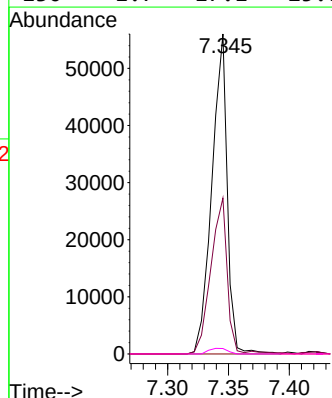
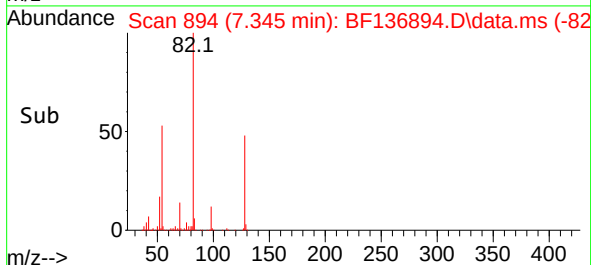
Tgt Ion: 99 Resp: 591782
Ion Ratio Lower Upper
99 100
42 18.2 16.1 24.1
71 32.3 27.4 41.2

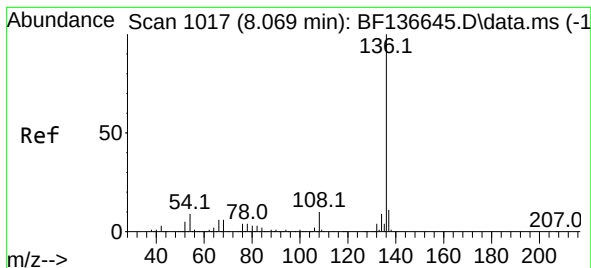


#19
n-Nitroso-di-n-propylamine
Concen: 13.456 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12



Tgt Ion: 70 Resp: 49125
Ion Ratio Lower Upper
70 100
42 48.7 54.2 81.4#
101 0.0 7.6 11.4#
130 1.7 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: BF136894.D

Acq: 03 Jan 2024 03:12

Instrument :

BNA_F

ClientSampleId :

GHL-SS-05

Tgt Ion:136 Resp: 272397

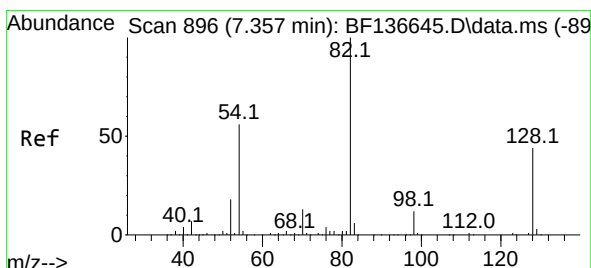
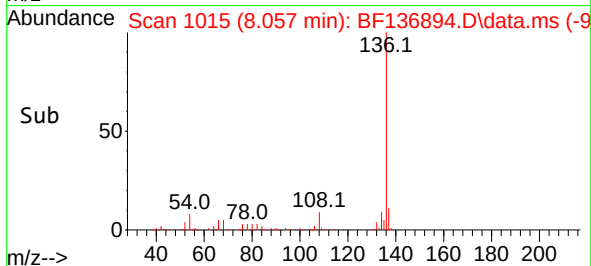
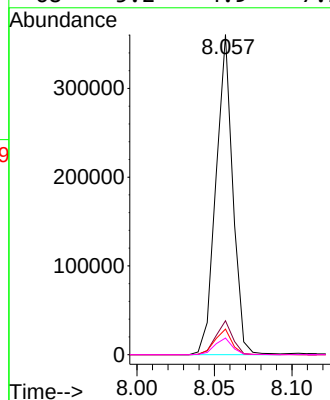
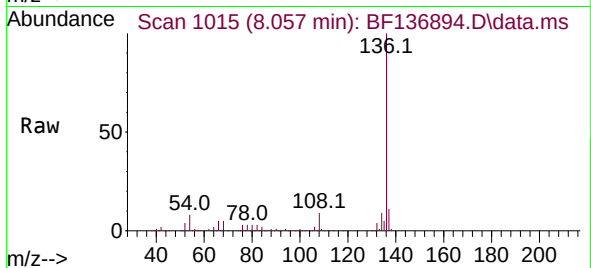
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.4

54 8.0 7.2 10.8

68 5.2 4.9 7.3



#23

Nitrobenzene-d5

Concen: 68.539 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF136894.D

Acq: 03 Jan 2024 03:12

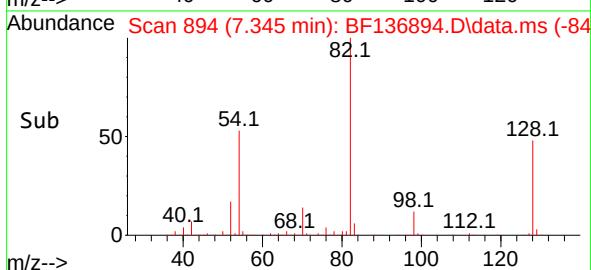
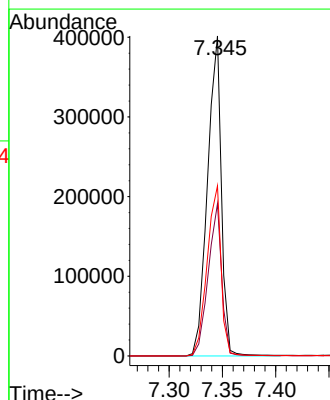
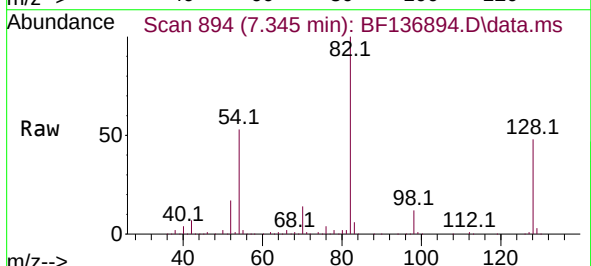
Tgt Ion: 82 Resp: 364849

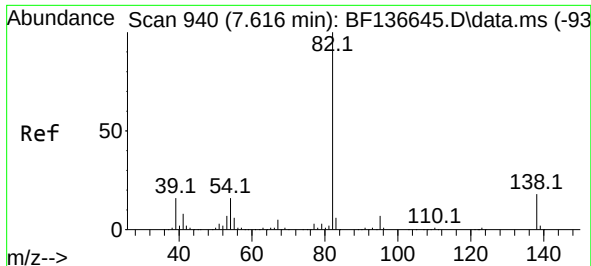
Ion Ratio Lower Upper

82 100

128 47.6 35.3 52.9

54 53.2 44.5 66.7

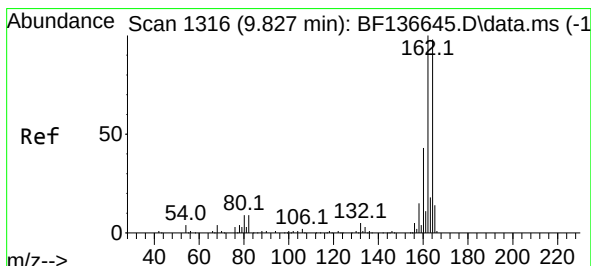
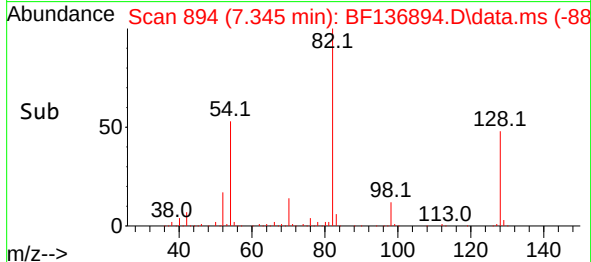
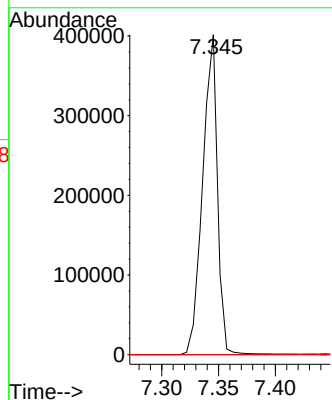
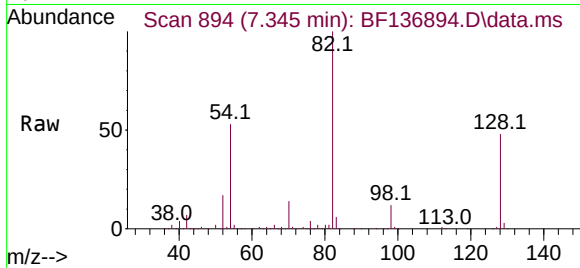




#25
Isophorone
Concen: 37.666 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12

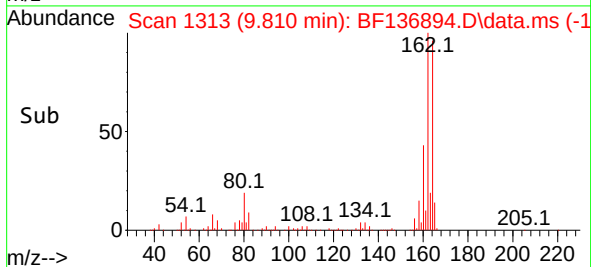
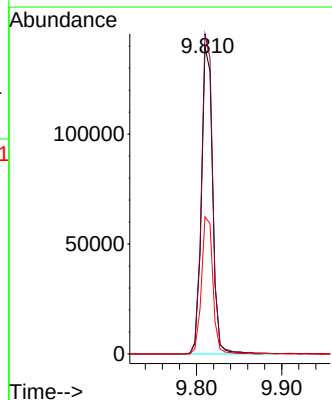
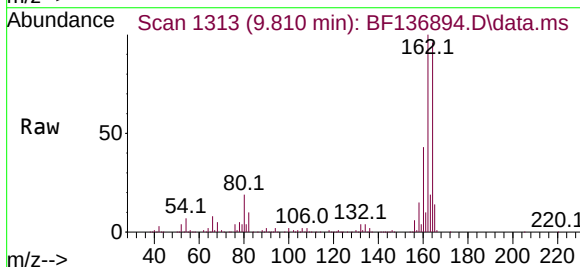
Instrument :
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ClientSampleId :
GHL-SS-05

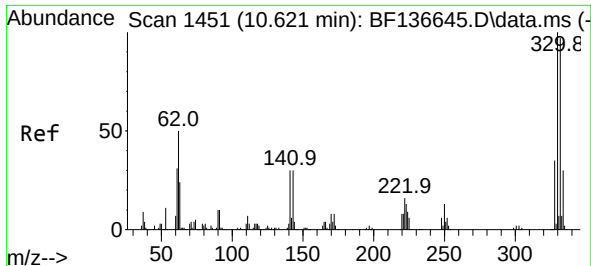
Tgt Ion: 82 Resp: 364845
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12

Tgt Ion:164 Resp: 127837
Ion Ratio Lower Upper
164 100
162 104.2 81.6 122.4
160 44.6 34.9 52.3

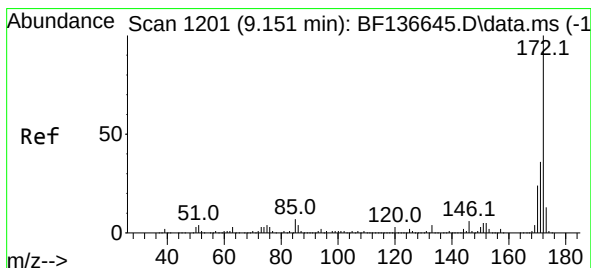
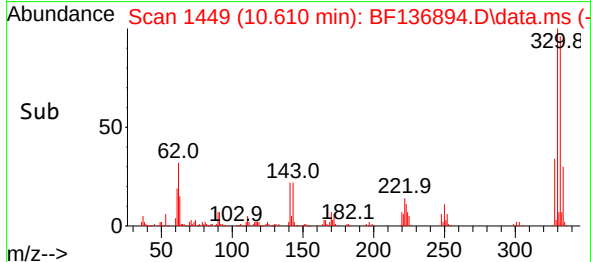
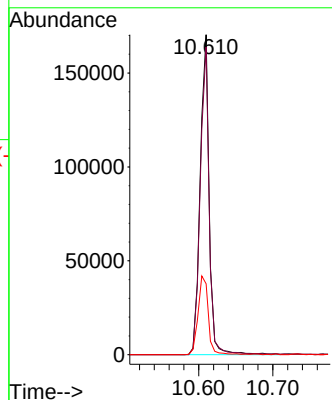
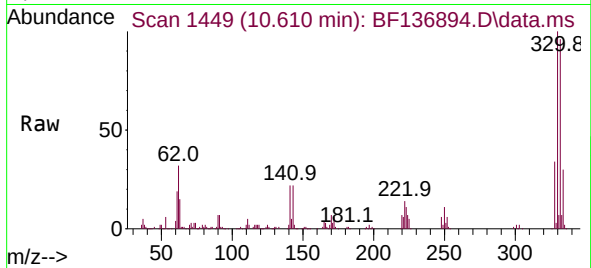




#42
2,4,6-Tribromophenol
Concen: 95.504 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12

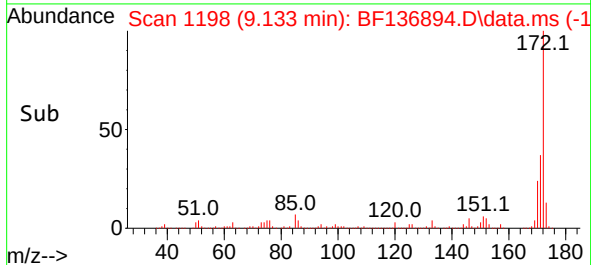
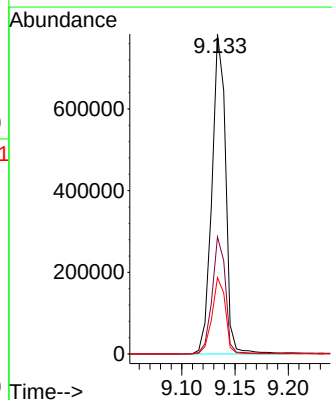
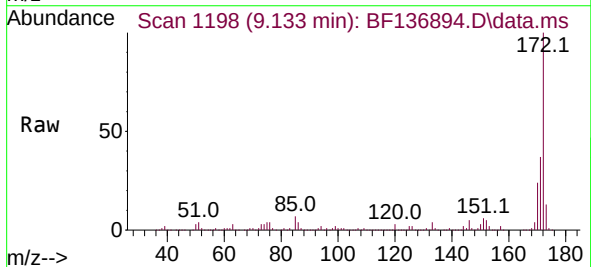
Instrument :
BNA_F
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GHL-SS-05

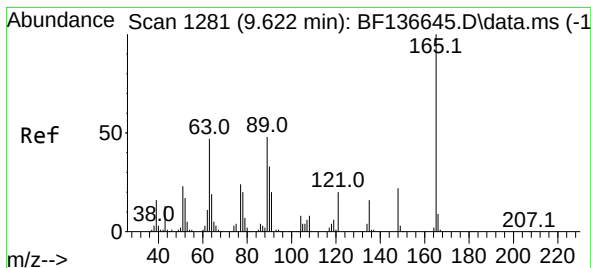
Tgt Ion:330 Resp: 143788
Ion Ratio Lower Upper
330 100
332 95.8 77.4 116.0
141 27.8 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 73.885 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12

Tgt Ion:172 Resp: 702258
Ion Ratio Lower Upper
172 100
171 36.6 29.0 43.6
170 23.9 19.0 28.4





#51

2,6-Dinitrotoluene

Concen: 7.905 ng

RT: 9.810 min Scan# 1

Delta R.T. 0.188 min

Lab File: BF136894.D

Acq: 03 Jan 2024 03:12

Instrument :

BNA_F

ClientSampleId :

GHL-SS-05

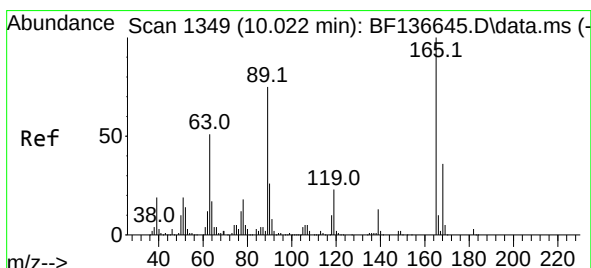
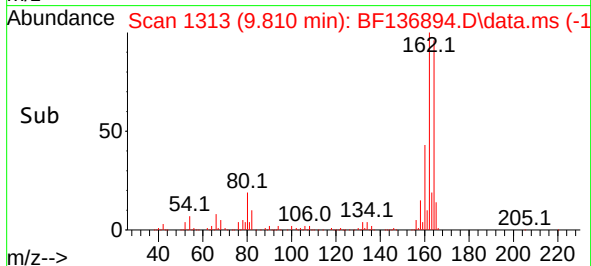
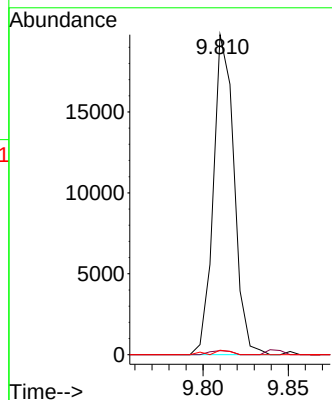
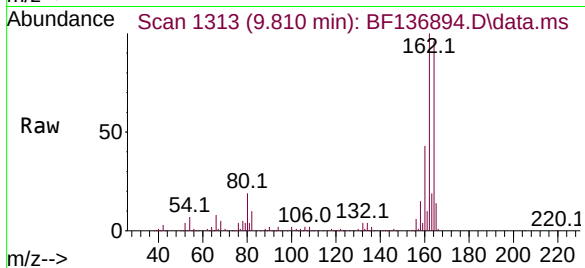
Tgt Ion:165 Resp: 16752

Ion Ratio Lower Upper

165 100

63 1.2 39.8 59.6#

89 1.4 38.8 58.2#



#57

2,4-Dinitrotoluene

Concen: 6.089 ng

RT: 9.810 min Scan# 1313

Delta R.T. -0.212 min

Lab File: BF136894.D

Acq: 03 Jan 2024 03:12

Tgt Ion:165 Resp: 16752

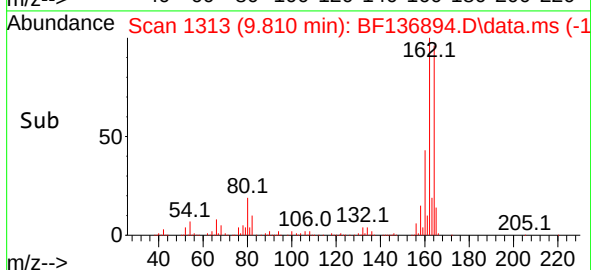
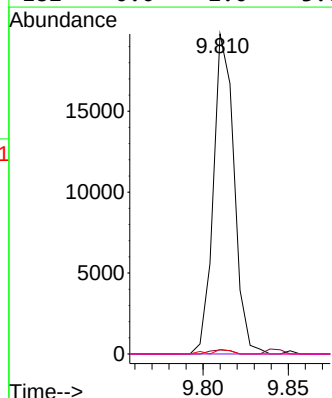
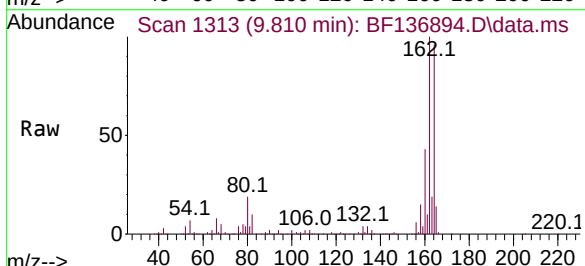
Ion Ratio Lower Upper

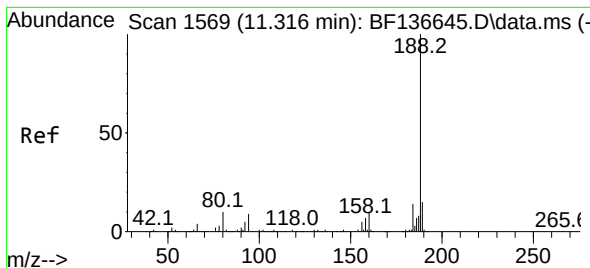
165 100

63 1.2 41.0 61.6#

89 1.4 59.9 89.9#

182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136894.D

Acq: 03 Jan 2024 03:12

Instrument :

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GHL-SS-05

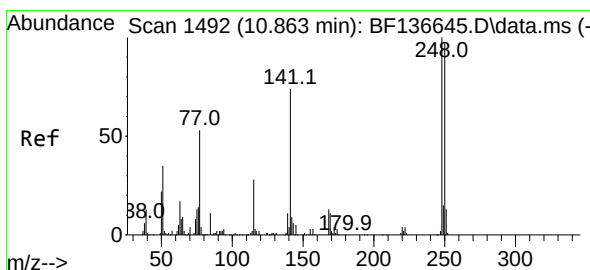
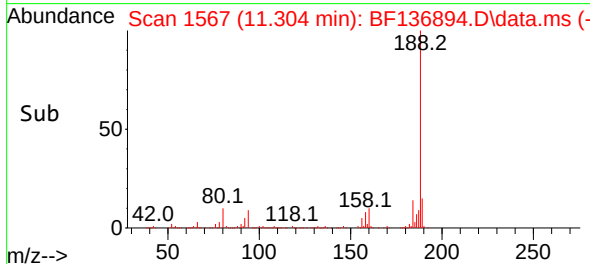
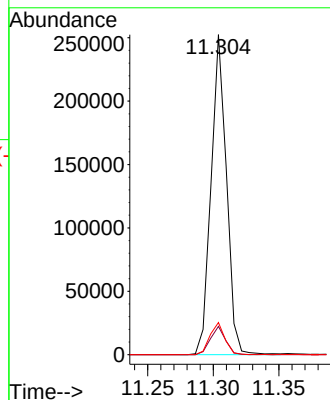
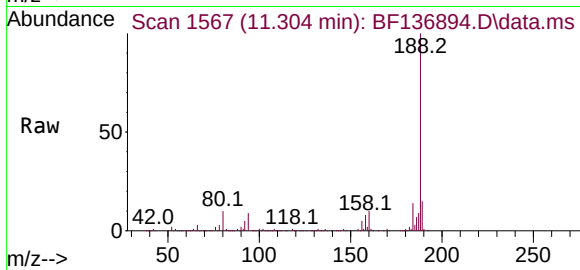
Tgt Ion:188 Resp: 206547

Ion Ratio Lower Upper

188 100

94 8.8 7.5 11.3

80 10.1 8.1 12.1



#67

4-Bromophenyl-phenylether

Concen: 3.540 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.253 min

Lab File: BF136894.D

Acq: 03 Jan 2024 03:12

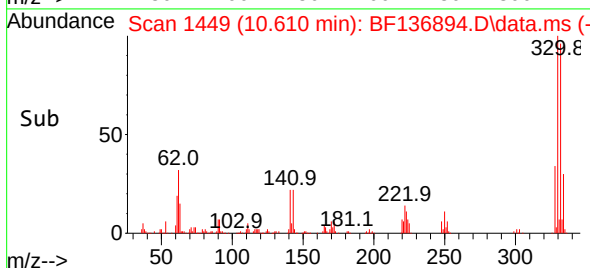
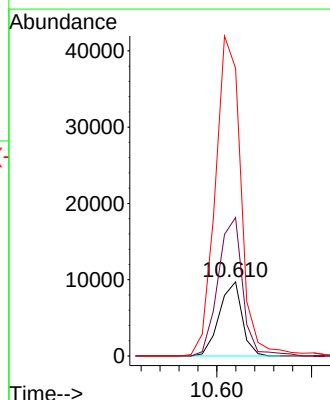
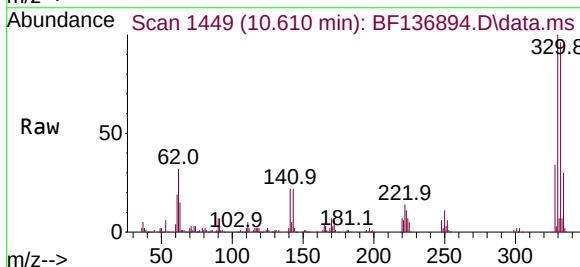
Tgt Ion:248 Resp: 8121

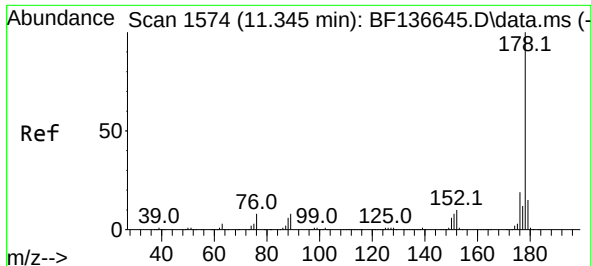
Ion Ratio Lower Upper

248 100

250 186.9 77.8 116.6#

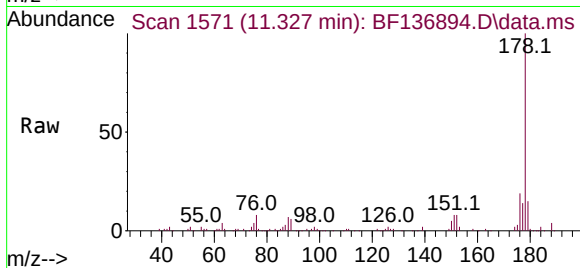
141 388.6 59.2 88.8#



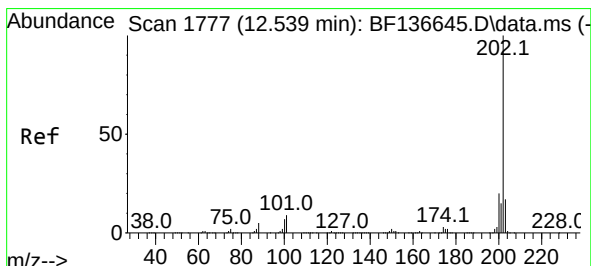
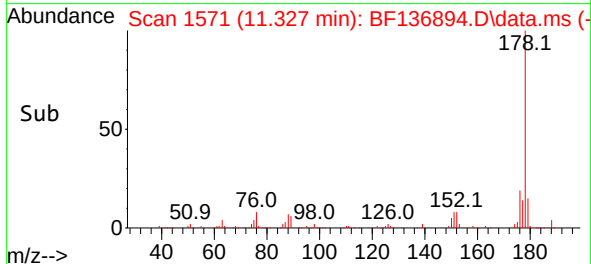
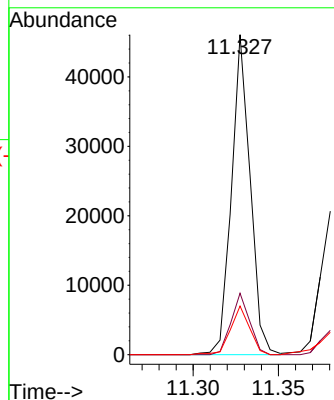


#71
Phenanthrene
Concen: 3.323 ng
RT: 11.327 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12

Instrument :
BNA_F
ClientSampleId :
GHL-SS-05

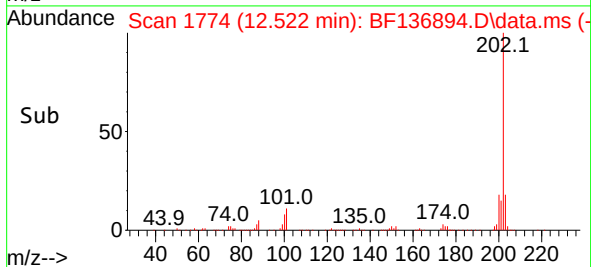
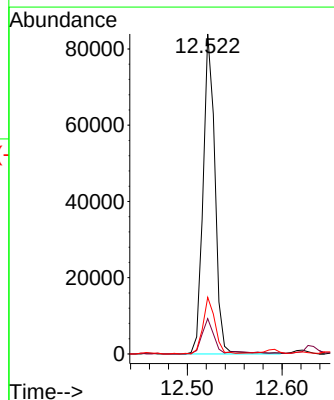
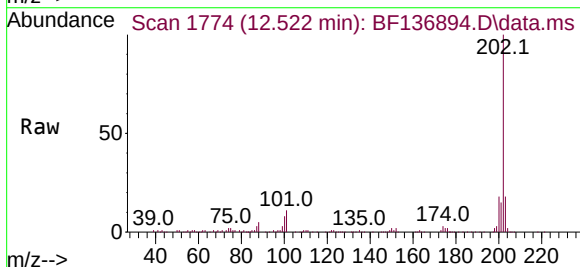


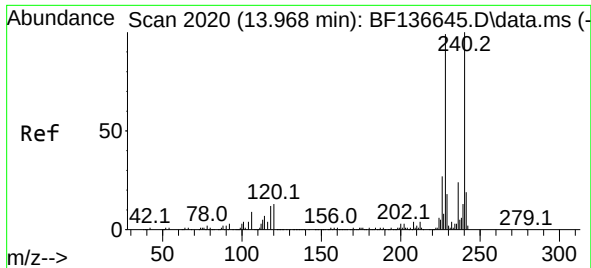
Tgt Ion:178 Resp: 35220
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.2 11.9 17.9



#75
Fluoranthene
Concen: 6.424 ng
RT: 12.522 min Scan# 1774
Delta R.T. -0.018 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12

Tgt Ion:202 Resp: 72821
Ion Ratio Lower Upper
202 100
101 11.1 0.0 29.3
203 17.7 0.0 37.1

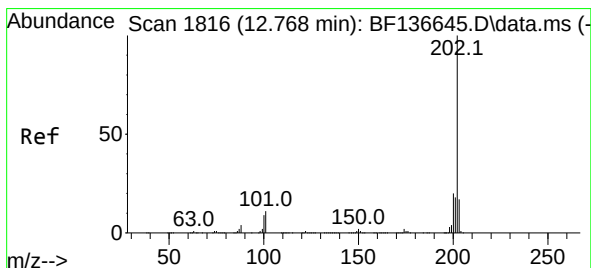
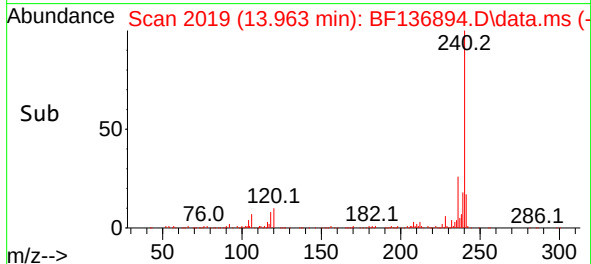
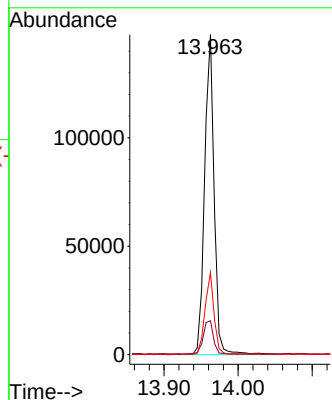
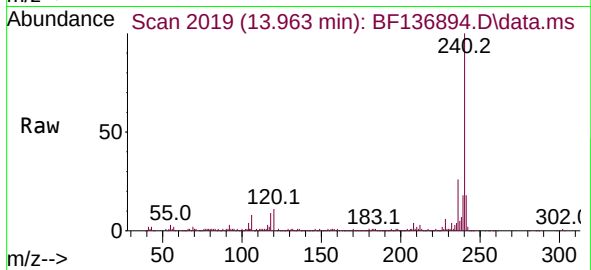




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12

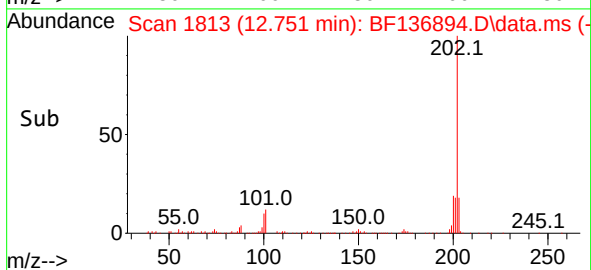
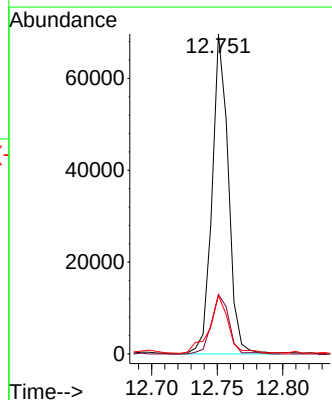
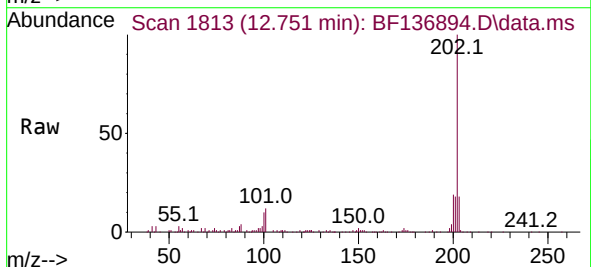
Instrument :
BNA_F
ClientSampleId :
GHL-SS-05

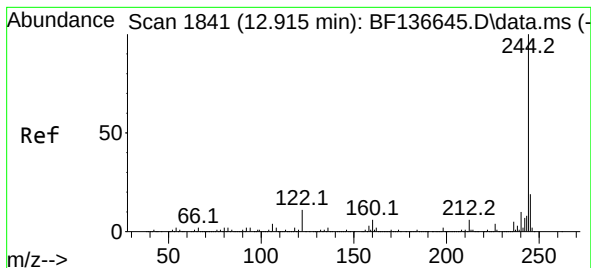
Tgt Ion:240 Resp: 132614
Ion Ratio Lower Upper
240 100
120 10.6 10.3 15.5
236 25.6 19.4 29.2



#78
Pyrene
Concen: 4.620 ng
RT: 12.751 min Scan# 1813
Delta R.T. -0.018 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12

Tgt Ion:202 Resp: 60144
Ion Ratio Lower Upper
202 100
200 18.6 15.9 23.9
203 18.2 13.8 20.6





#79

Terphenyl-d14

Concen: 58.123 ng

RT: 12.904 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136894.D

Acq: 03 Jan 2024 03:12

Instrument :

BNA_F

ClientSampleId :

GHL-SS-05

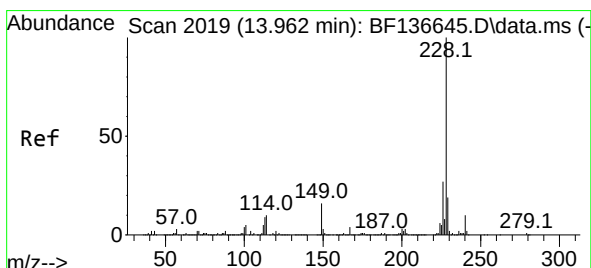
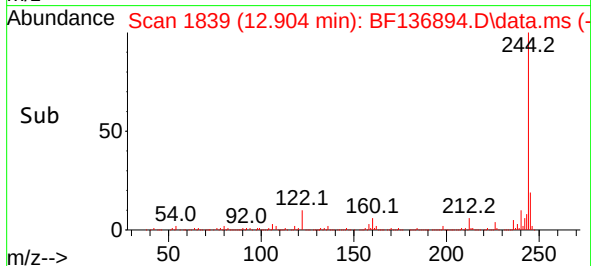
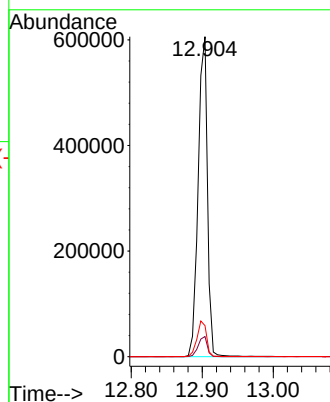
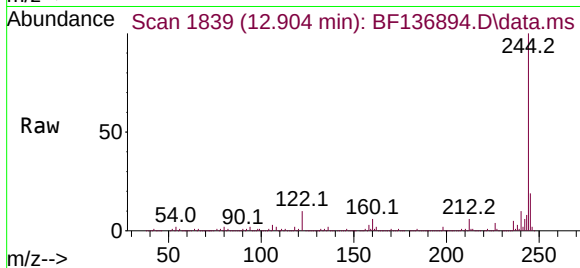
Tgt Ion:244 Resp: 551559

Ion Ratio Lower Upper

244 100

212 6.3 5.0 7.4

122 9.7 9.0 13.4



#81

Benzo(a)anthracene

Concen: 4.512 ng

RT: 13.951 min Scan# 2017

Delta R.T. -0.012 min

Lab File: BF136894.D

Acq: 03 Jan 2024 03:12

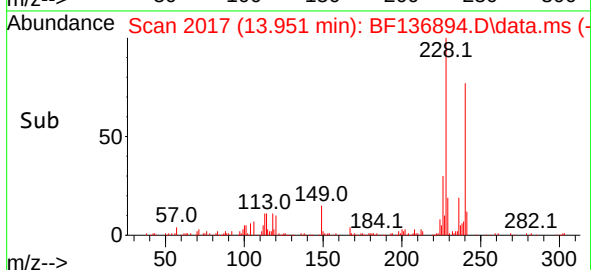
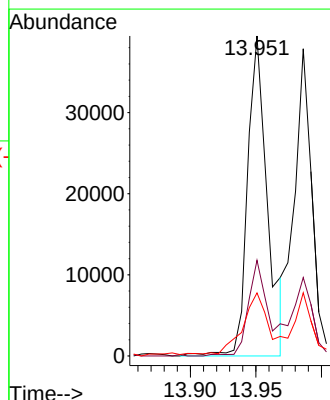
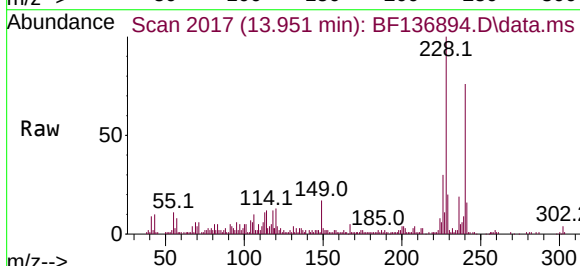
Tgt Ion:228 Resp: 41549

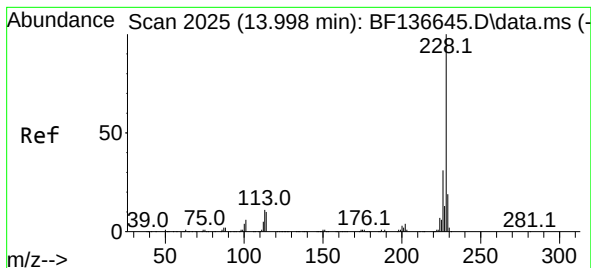
Ion Ratio Lower Upper

228 100

226 29.9 21.4 32.0

229 19.7 14.9 22.3





#83

Chrysene

Concen: 3.954 ng

RT: 13.986 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF136894.D

Acq: 03 Jan 2024 03:12

Instrument :

BNA_F

ClientSampleId :

GHL-SS-05

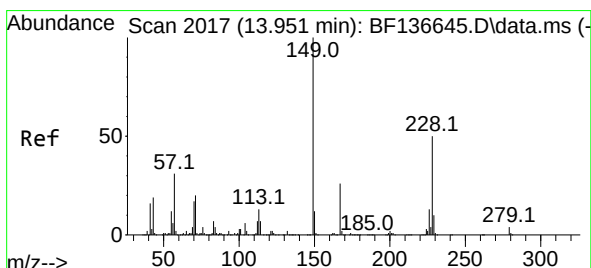
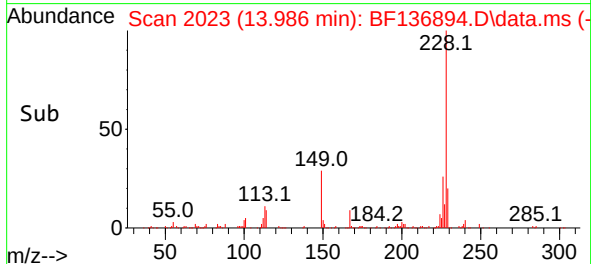
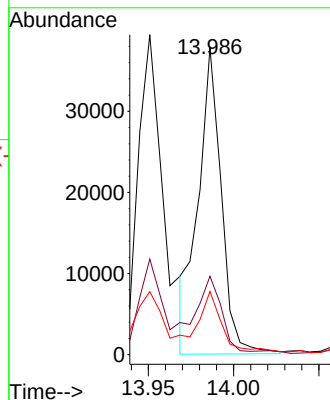
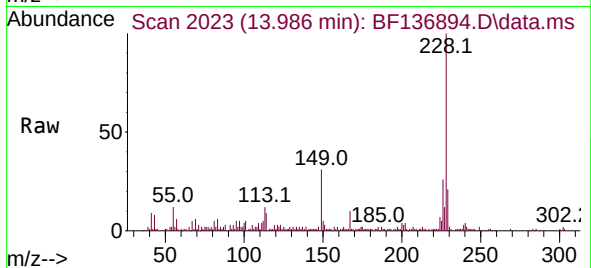
Tgt Ion:228 Resp: 35605

Ion Ratio Lower Upper

228 100

226 25.5 24.7 37.1

229 20.6 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.989 ng

RT: 13.945 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF136894.D

Acq: 03 Jan 2024 03:12

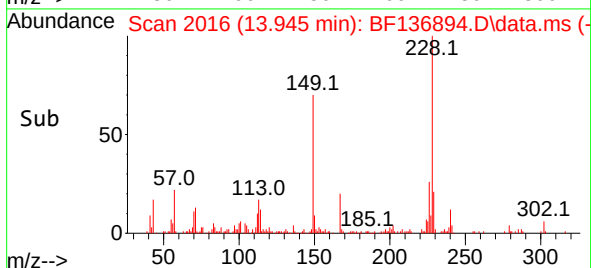
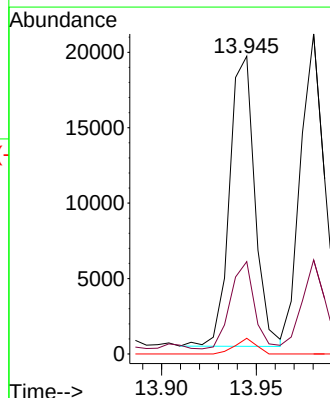
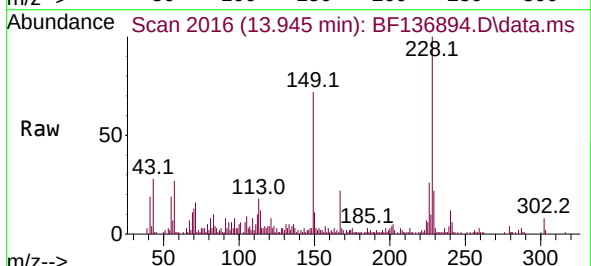
Tgt Ion:149 Resp: 17812

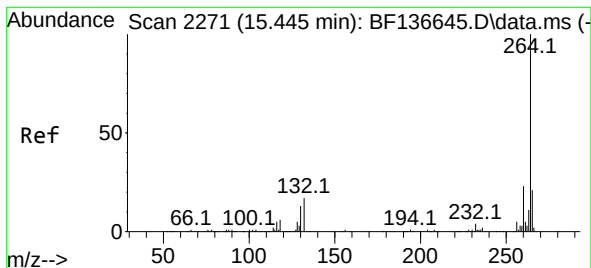
Ion Ratio Lower Upper

149 100

167 31.0 20.9 31.3

279 5.3 2.9 4.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136894.D

Acq: 03 Jan 2024 03:12

Instrument :

BNA_F

ClientSampleId :

GHL-SS-05

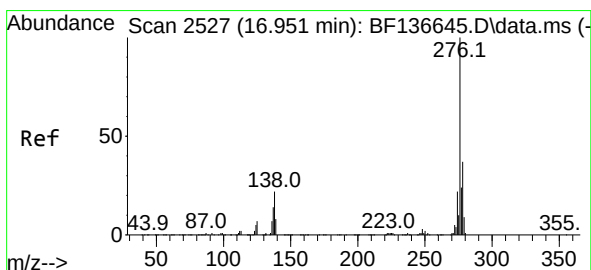
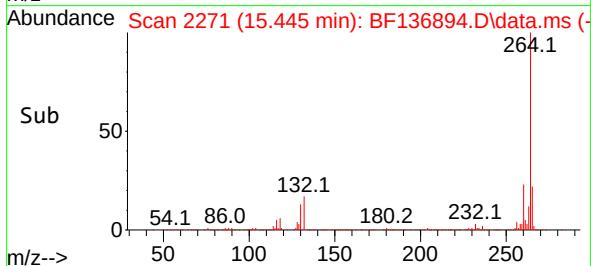
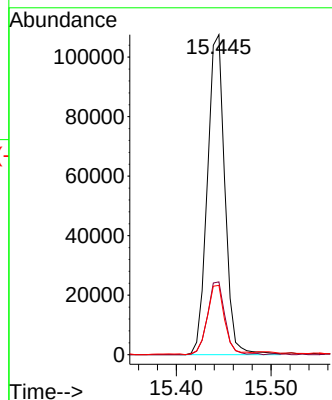
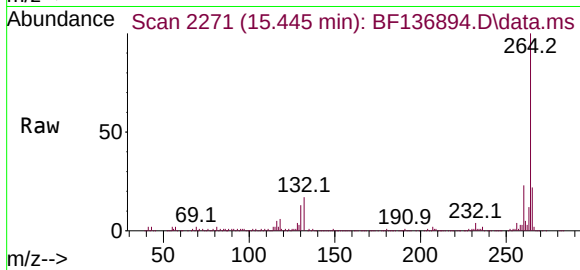
Tgt Ion:264 Resp: 137152

Ion Ratio Lower Upper

264 100

260 22.8 18.3 27.5

265 21.6 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.743 ng

RT: 16.939 min Scan# 2525

Delta R.T. -0.012 min

Lab File: BF136894.D

Acq: 03 Jan 2024 03:12

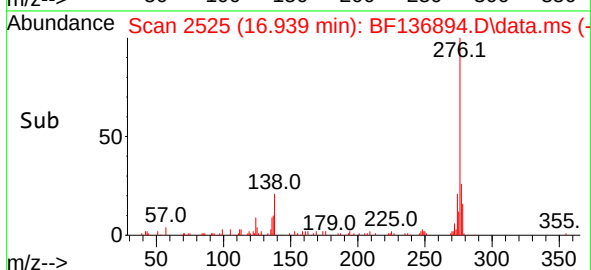
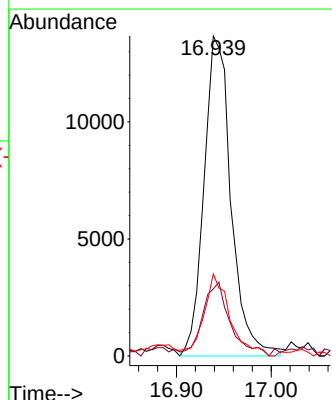
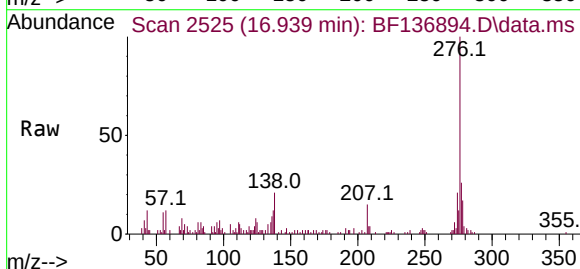
Tgt Ion:276 Resp: 27161

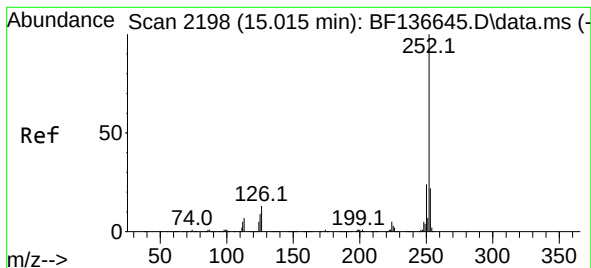
Ion Ratio Lower Upper

276 100

138 23.4 18.7 28.1

277 24.9 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 9.184 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF136894.D

Acq: 03 Jan 2024 03:12

Instrument :

BNA_F

ClientSampleId :

GHL-SS-05

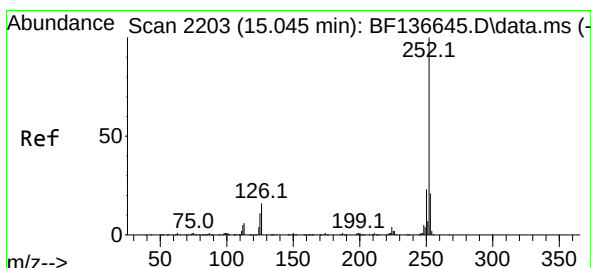
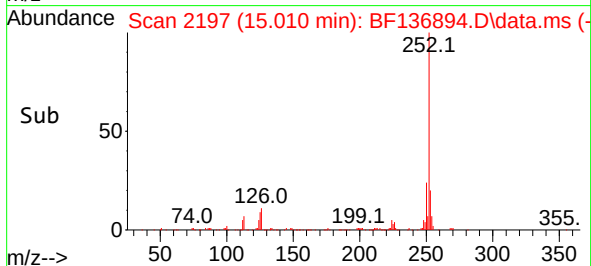
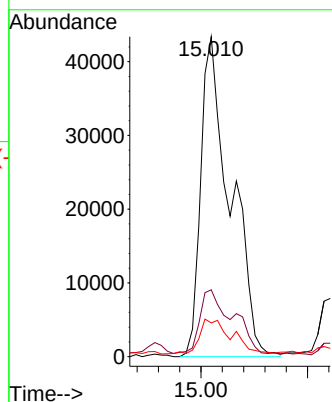
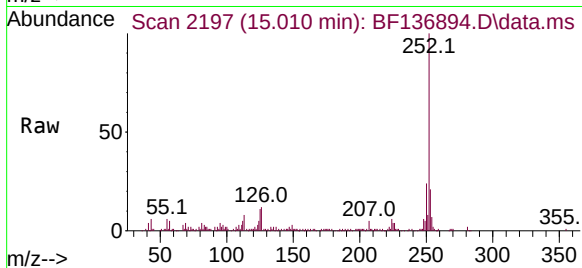
Tgt Ion:252 Resp: 84126

Ion Ratio Lower Upper

252 100

253 20.9 17.4 26.0

125 10.5 7.4 11.2



#89

Benzo(k)fluoranthene

Concen: 9.719 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.035 min

Lab File: BF136894.D

Acq: 03 Jan 2024 03:12

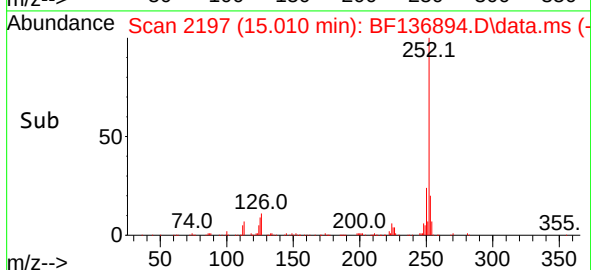
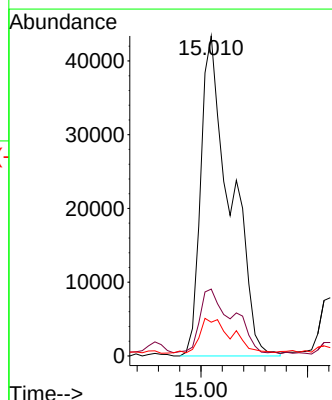
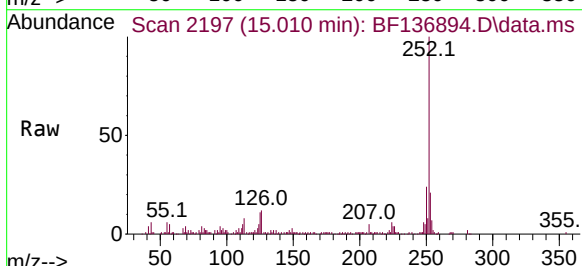
Tgt Ion:252 Resp: 84126

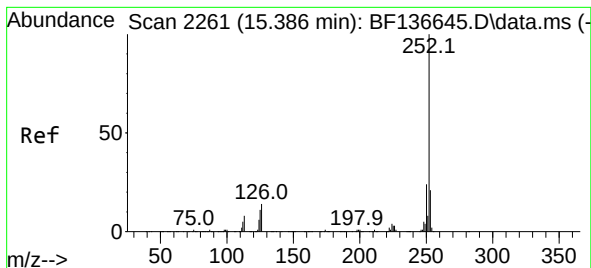
Ion Ratio Lower Upper

252 100

253 20.9 17.0 25.6

125 10.5 8.2 12.4





#90

Benzo(a)pyrene

Concen: 4.800 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136894.D

Acq: 03 Jan 2024 03:12

Instrument :

BNA_F

ClientSampleId :

GHL-SS-05

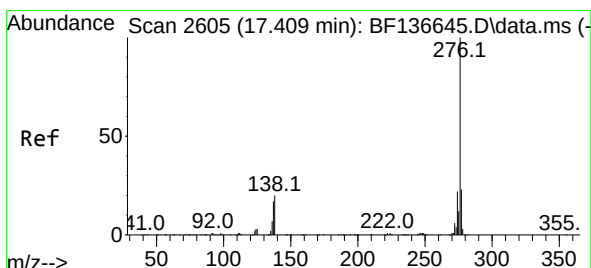
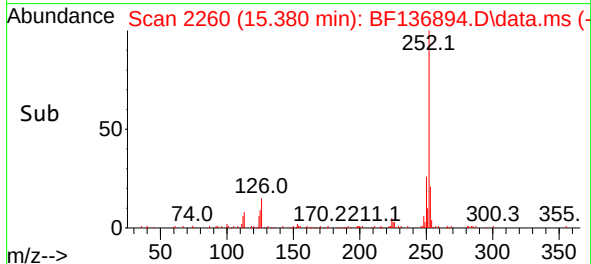
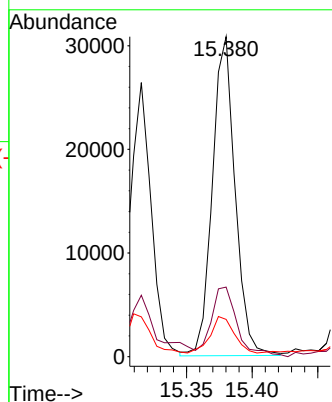
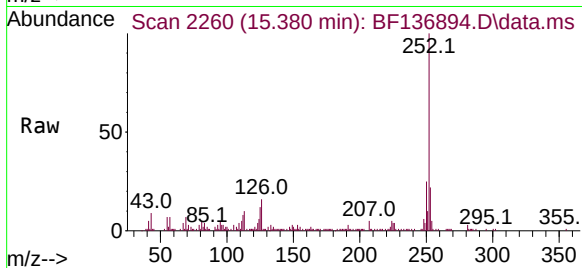
Tgt Ion:252 Resp: 37116

Ion Ratio Lower Upper

252 100

253 21.8 17.0 25.6

125 11.7 8.8 13.2



#92

Benzo(g,h,i)perylene

Concen: 2.716 ng

RT: 17.398 min Scan# 2603

Delta R.T. -0.012 min

Lab File: BF136894.D

Acq: 03 Jan 2024 03:12

Tgt Ion:276 Resp: 22596

Ion Ratio Lower Upper

276 100

277 21.6 18.3 27.5

138 19.3 15.6 23.4

