

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010224\
 Data File : BF136884.D
 Acq On : 02 Jan 2024 21:59
 Operator : CG\JU
 Sample : 05899-15
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-04

Quant Time: Jan 03 02:05:16 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)

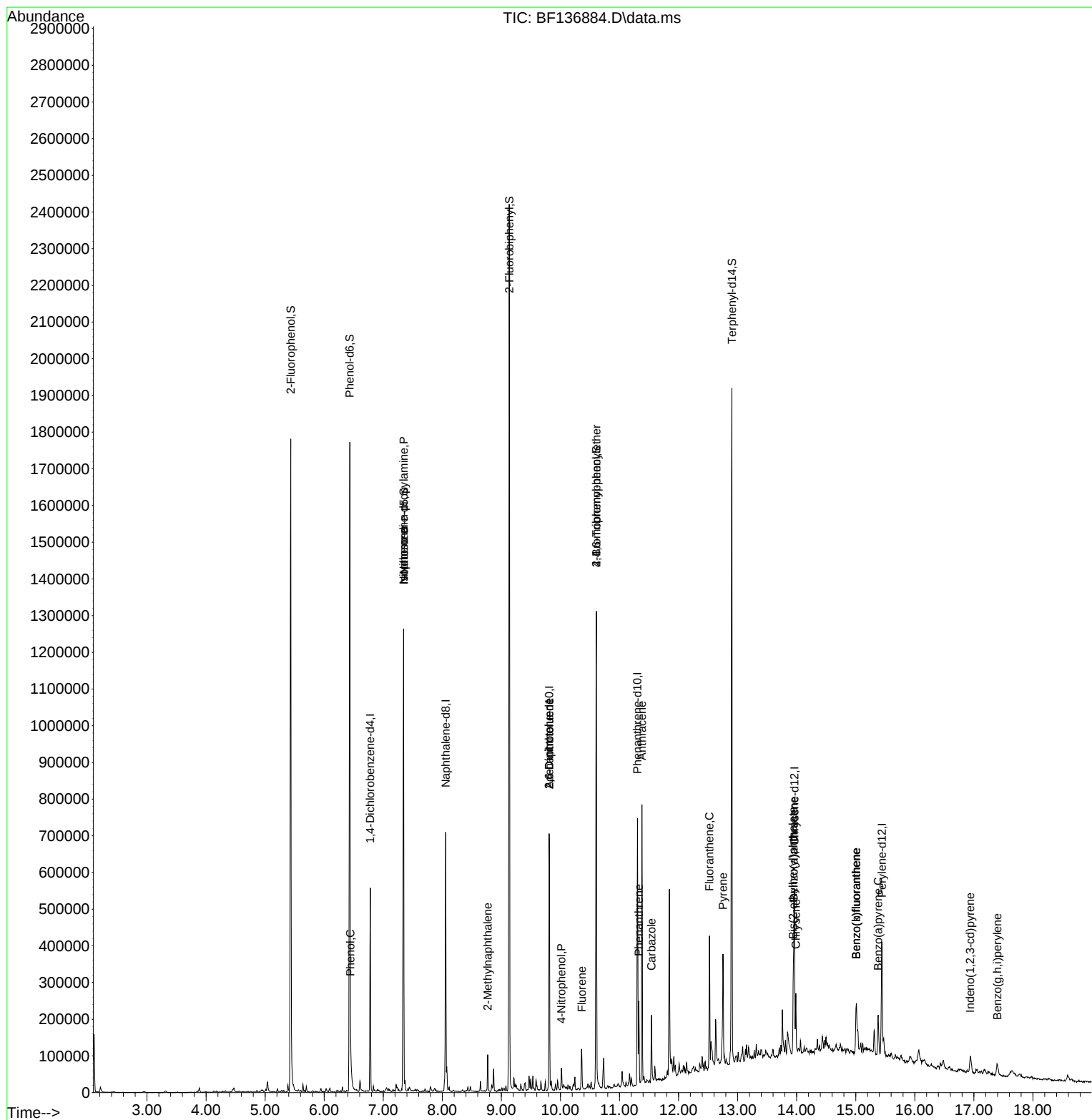
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	74883	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	286780	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	142983	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	249800	20.000	ng	-0.01
76) Chrysene-d12	13.962	240	140105	20.000	ng	0.00
86) Perylene-d12	15.445	264	152049	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	503651	104.942	ng	0.00
7) Phenol-d6	6.434	99	625481	100.580	ng	0.00
23) Nitrobenzene-d5	7.345	82	386214	68.913	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	172021	102.154	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	764435	71.907	ng	-0.02
79) Terphenyl-d14	12.904	244	664477	66.278	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.445	94	17643	2.658	ng	92
19) n-Nitroso-di-n-propyla...	7.345	70	51775	13.734	ng	# 73
25) Isophorone	7.345	82	384315	37.686	ng	# 65
37) 2-Methylnaphthalene	8.769	142	23945	2.362	ng	99
51) 2,6-Dinitrotoluene	9.810	165	19454	8.208	ng	# 30
56) 4-Nitrophenol	10.016	139	6547	3.863	ng	# 10
57) 2,4-Dinitrotoluene	9.810	165	19454	6.322	ng	# 21
58) Fluorene	10.363	166	24523	2.359	ng	98
67) 4-Bromophenyl-phenylether	10.610	248	10137	3.654	ng	# 1
71) Phenanthrene	11.327	178	75091	5.859	ng	99
72) Anthracene	11.380	178	279822	21.557	ng	99
73) Carbazole	11.539	167	75990	6.209	ng	99
75) Fluoranthene	12.521	202	147084	10.728	ng	98
78) Pyrene	12.751	202	122296	8.892	ng	98
81) Benzo(a)anthracene	13.951	228	61187	6.289	ng	97
83) Chrysene	13.986	228	59425	6.246	ng	98
84) Bis(2-ethylhexyl)phtha...	13.939	149	44744	7.106	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	30288	2.759	ng	97
88) Benzo(b)fluoranthene	15.009	252	98962	9.745	ng	97
89) Benzo(k)fluoranthene	15.009	252	98962	10.313	ng	97
90) Benzo(a)pyrene	15.380	252	55039	6.421	ng	99
92) Benzo(g,h,i)perylene	17.398	276	29242	3.170	ng	98

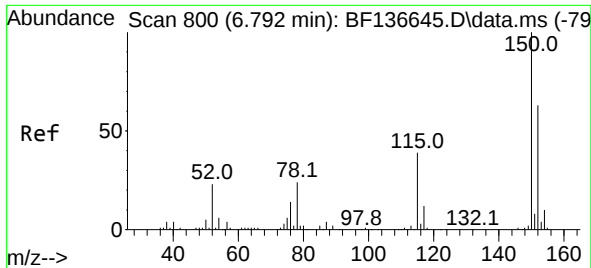
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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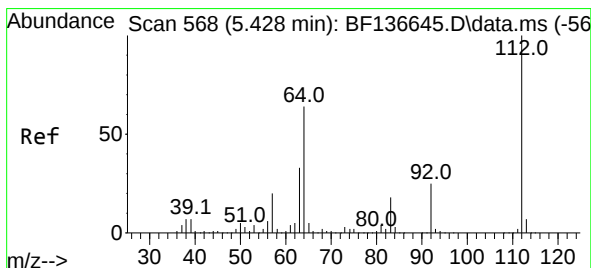
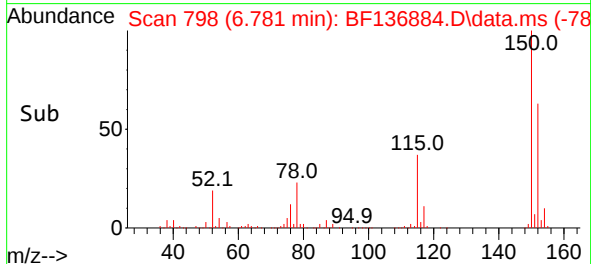
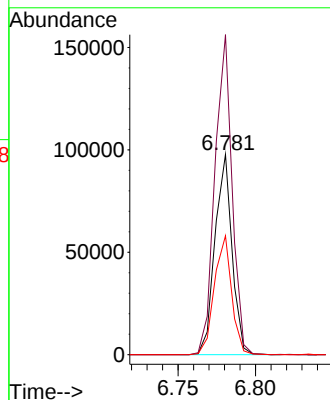
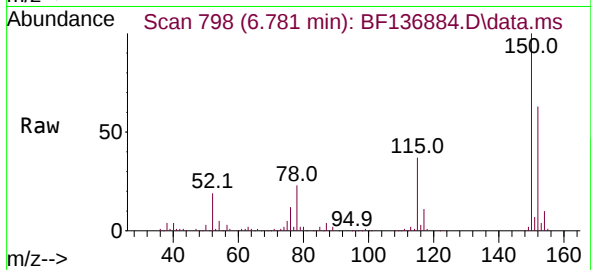




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

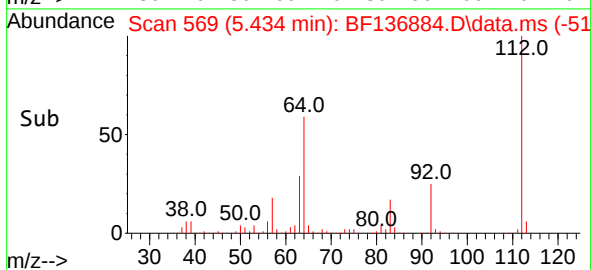
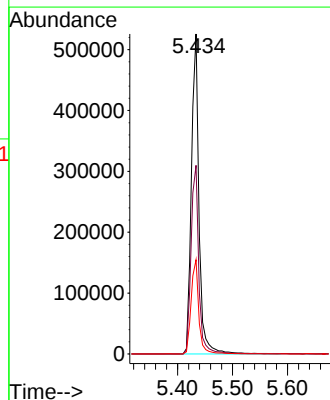
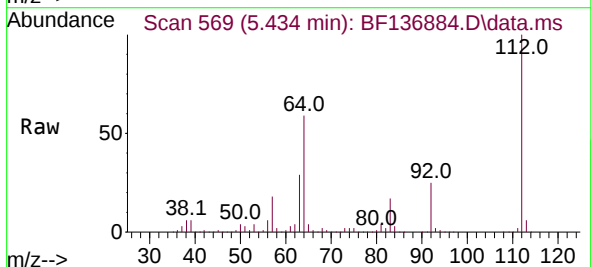
Instrument :
BNA_F
ClientSampleId :
GHL-SS-04

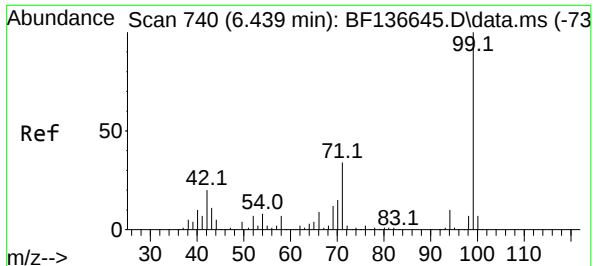
Tgt Ion:152 Resp: 74883
Ion Ratio Lower Upper
152 100
150 159.8 127.0 190.6
115 59.4 49.0 73.4



#5
2-Fluorophenol
Concen: 104.942 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

Tgt Ion:112 Resp: 503651
Ion Ratio Lower Upper
112 100
64 58.9 51.1 76.7
63 29.5 26.1 39.1

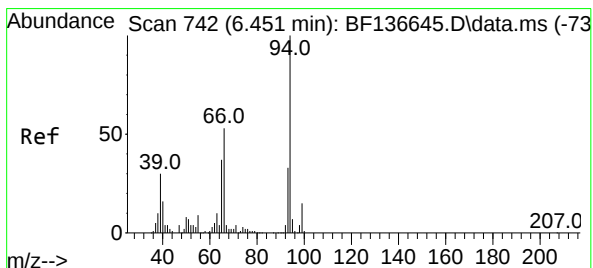
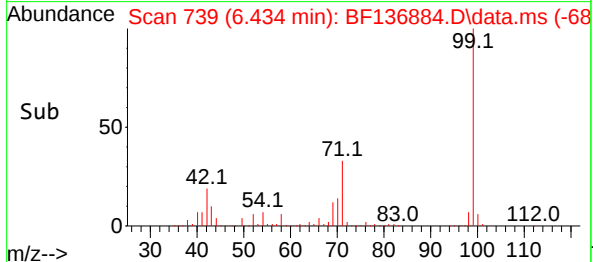
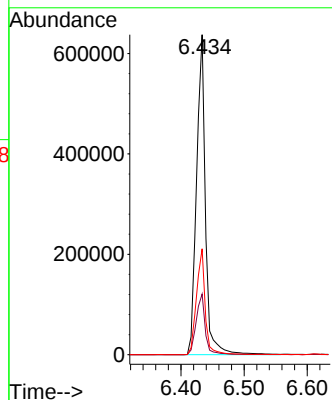
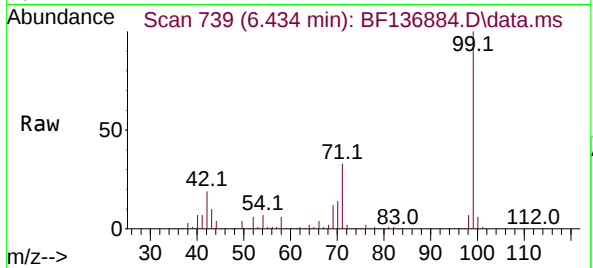




#7
Phenol-d6
Concen: 100.580 ng
RT: 6.434 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

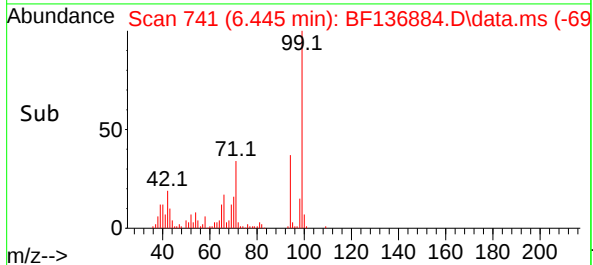
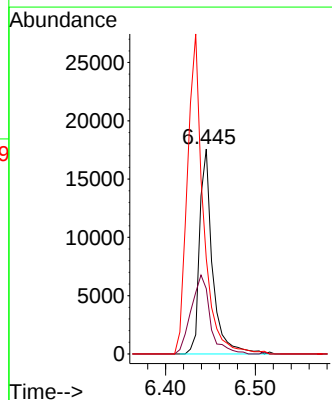
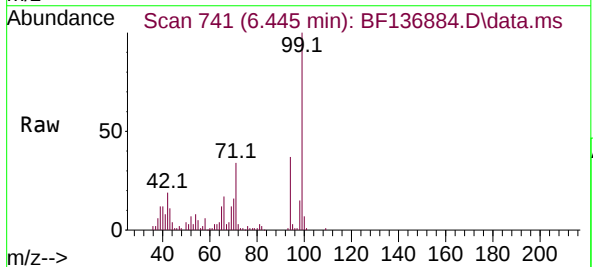
Instrument :
BNA_F
ClientSampleId :
GHL-SS-04

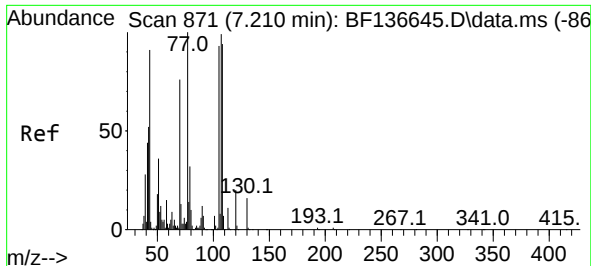
Tgt Ion: 99 Resp: 625481
Ion Ratio Lower Upper
99 100
42 19.0 16.1 24.1
71 33.1 27.4 41.2



#10
Phenol
Concen: 2.658 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

Tgt Ion: 94 Resp: 17643
Ion Ratio Lower Upper
94 100
65 31.8 16.6 56.6
66 46.6 32.6 72.6

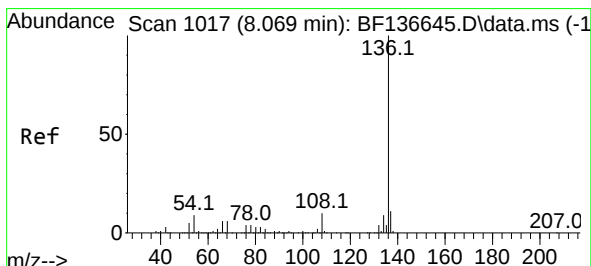
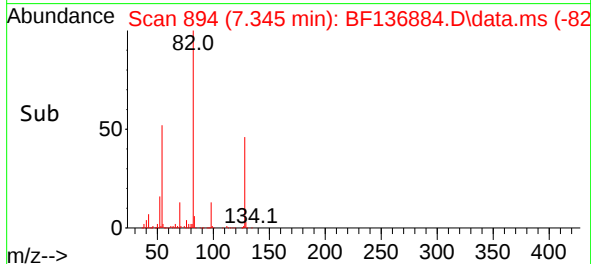
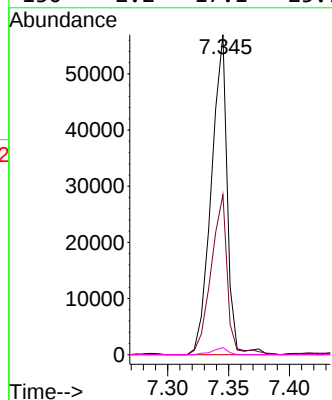
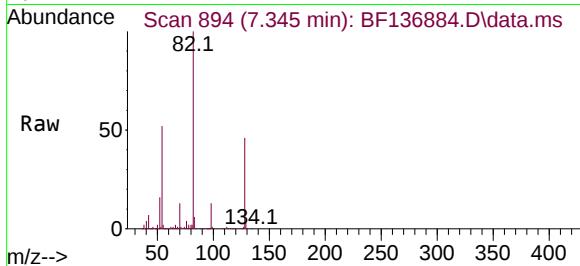




#19
n-Nitroso-di-n-propylamine
Concen: 13.734 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

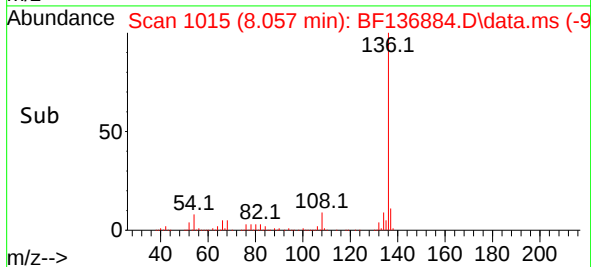
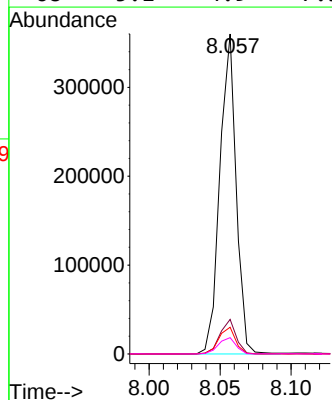
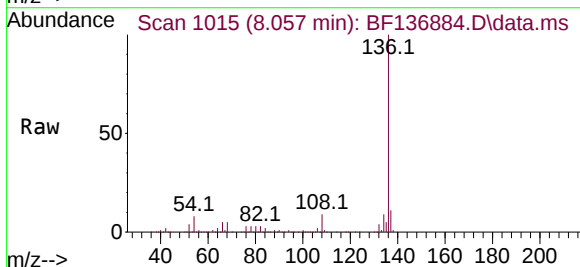
Instrument :
BNA_F
ClientSampleId :
GHL-SS-04

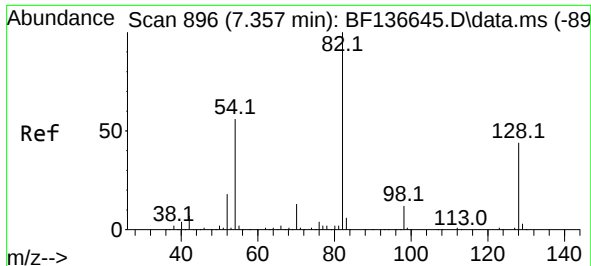
Tgt Ion: 70 Resp: 51775
Ion Ratio Lower Upper
70 100
42 50.0 54.2 81.4#
101 0.0 7.6 11.4#
130 2.2 17.1 25.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

Tgt Ion: 136 Resp: 286780
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 8.3 7.2 10.8
68 5.1 4.9 7.3





#23

Nitrobenzene-d5

Concen: 68.913 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

Instrument :

BNA_F

ClientSampleId :

GHL-SS-04

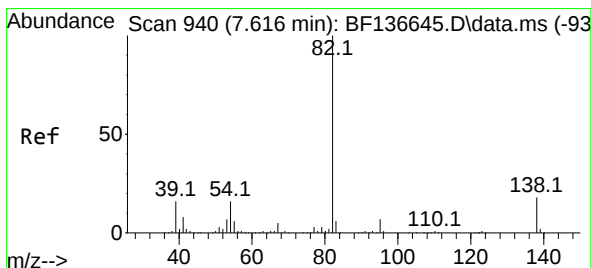
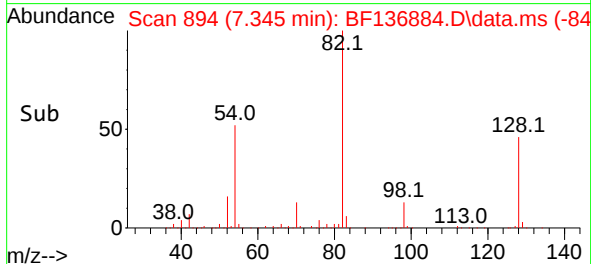
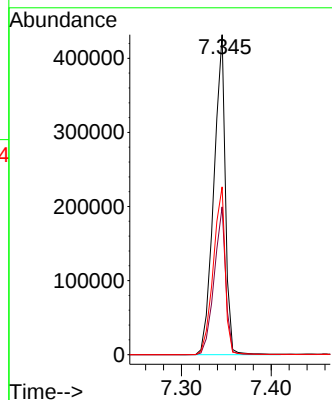
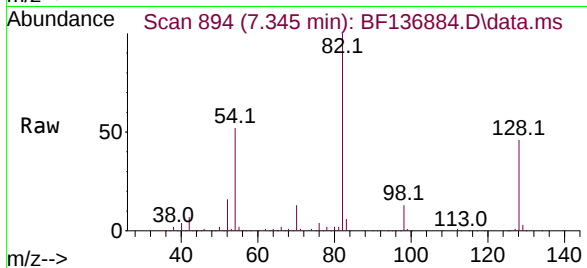
Tgt Ion: 82 Resp: 386214

Ion Ratio Lower Upper

82 100

128 46.2 35.3 52.9

54 52.4 44.5 66.7



#25

Isophorone

Concen: 37.686 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.271 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

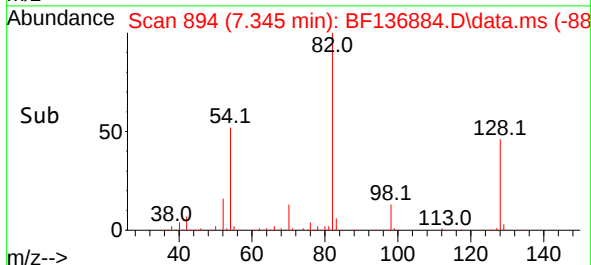
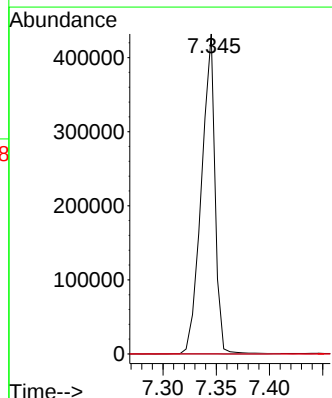
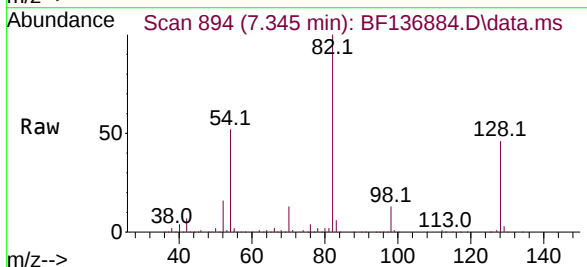
Tgt Ion: 82 Resp: 384315

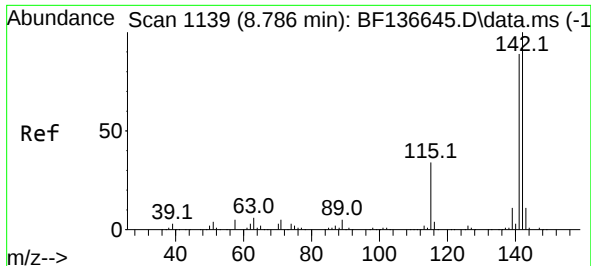
Ion Ratio Lower Upper

82 100

95 0.1 5.5 8.3#

138 0.0 14.5 21.7#





#37

2-Methylnaphthalene

Concen: 2.362 ng

RT: 8.769 min Scan# 1139

Delta R.T. -0.018 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

Instrument :

BNA_F

ClientSampleId :

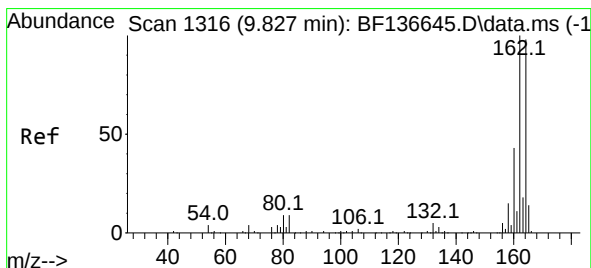
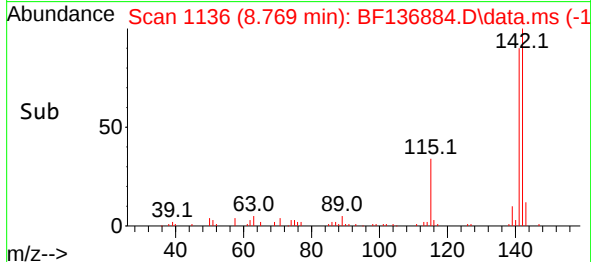
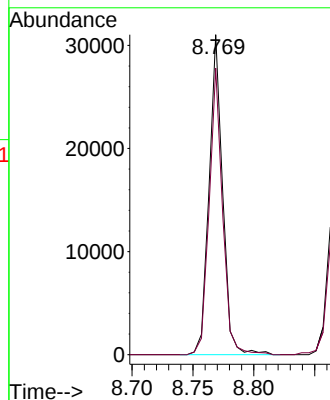
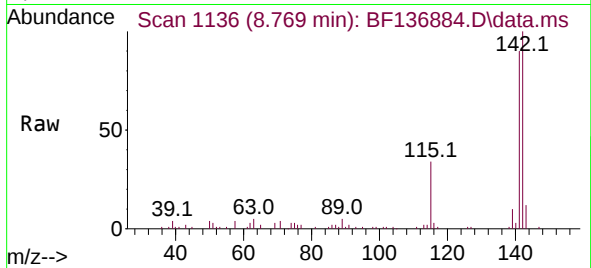
GHL-SS-04

Tgt Ion:142 Resp: 23945

Ion Ratio Lower Upper

142 100

141 89.5 71.1 106.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.810 min Scan# 1313

Delta R.T. -0.018 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

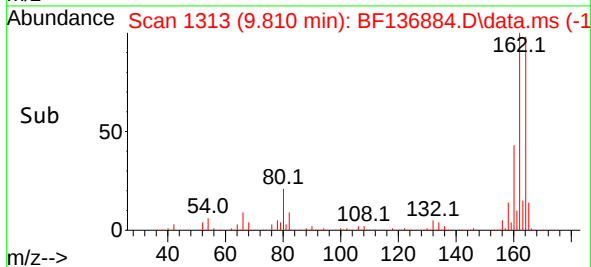
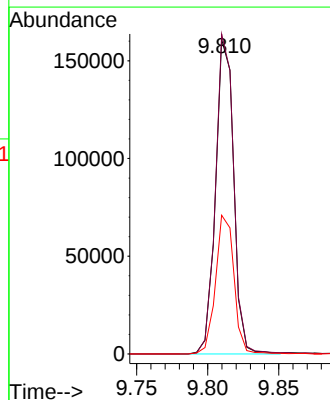
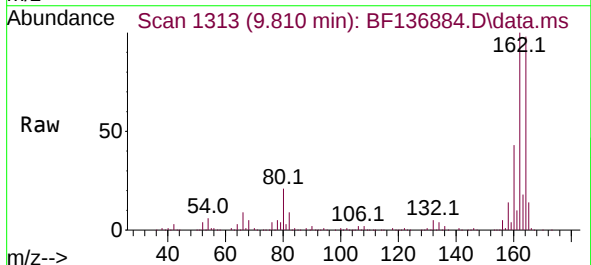
Tgt Ion:164 Resp: 142983

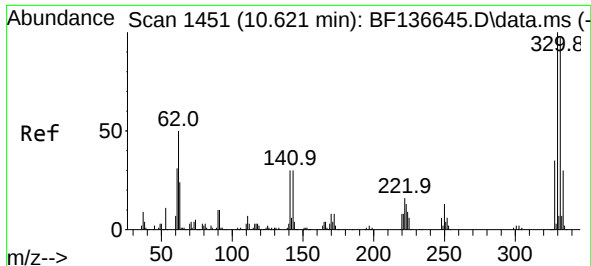
Ion Ratio Lower Upper

164 100

162 101.7 81.6 122.4

160 44.1 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 102.154 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

Instrument :

BNA_F

ClientSampleId :

GHL-SS-04

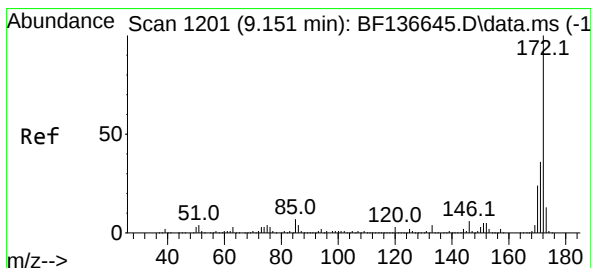
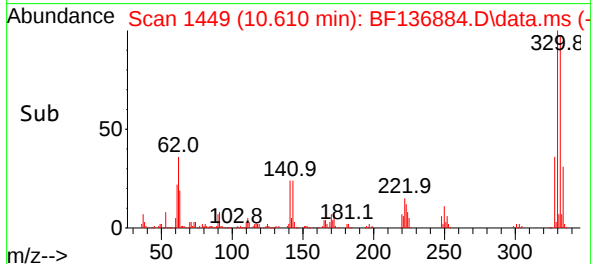
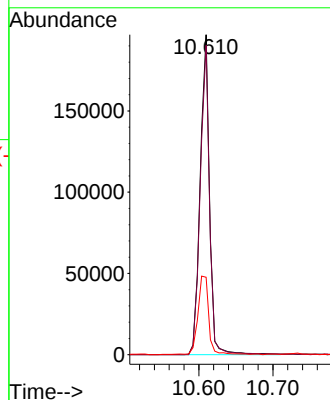
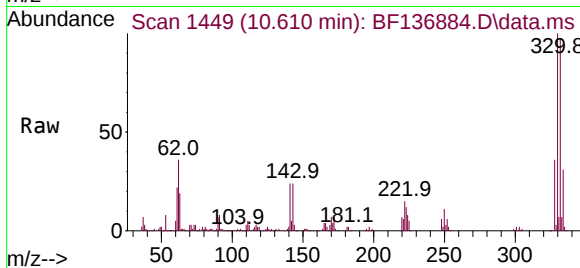
Tgt Ion:330 Resp: 172021

Ion Ratio Lower Upper

330 100

332 96.3 77.4 116.0

141 28.8 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 71.907 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

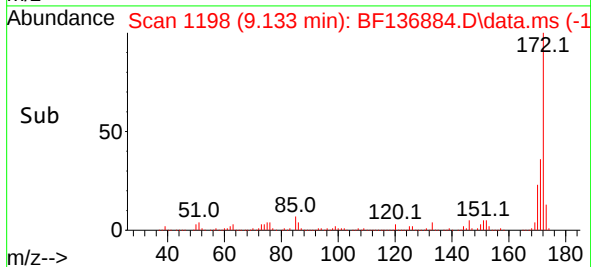
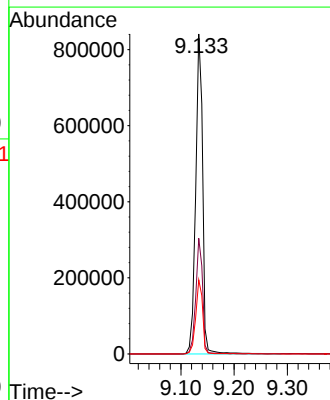
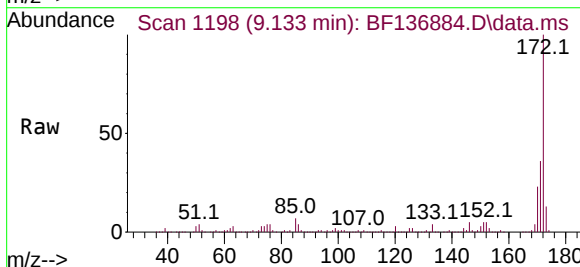
Tgt Ion:172 Resp: 764435

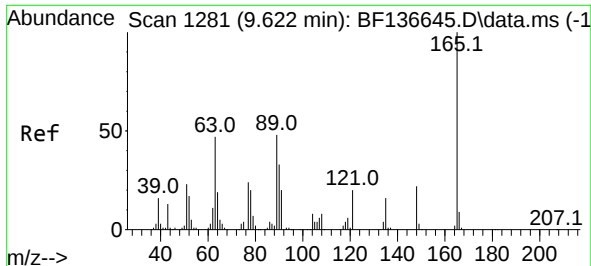
Ion Ratio Lower Upper

172 100

171 36.2 29.0 43.6

170 23.2 19.0 28.4





#51

2,6-Dinitrotoluene

Concen: 8.208 ng

RT: 9.810 min Scan# 11

Delta R.T. 0.188 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

Instrument :

BNA_F

ClientSampleId :

GHL-SS-04

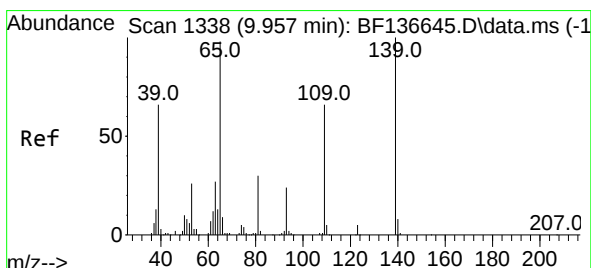
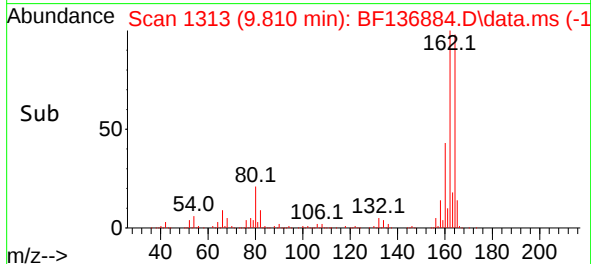
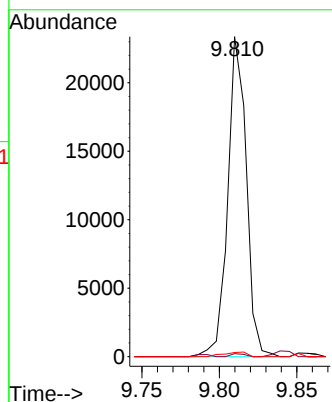
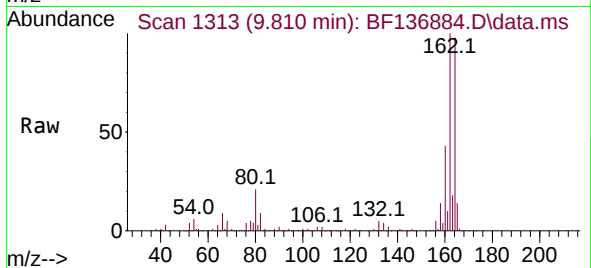
Tgt Ion:165 Resp: 19454

Ion Ratio Lower Upper

165 100

63 0.9 39.8 59.6#

89 1.3 38.8 58.2#



#56

4-Nitrophenol

Concen: 3.863 ng

RT: 10.016 min Scan# 1348

Delta R.T. 0.059 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

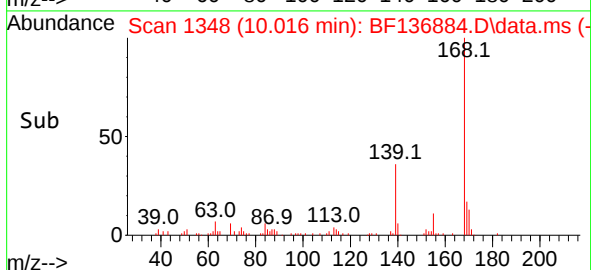
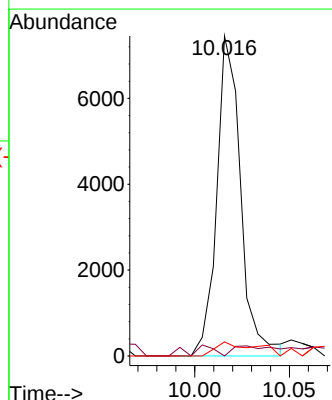
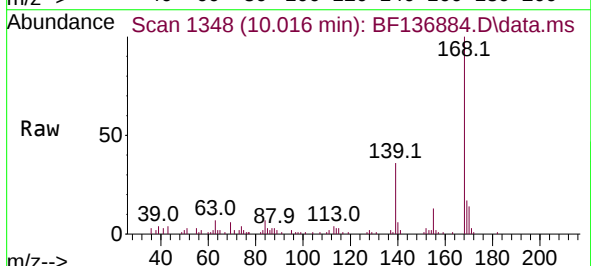
Tgt Ion:139 Resp: 6547

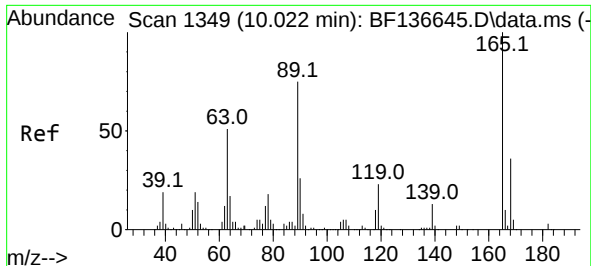
Ion Ratio Lower Upper

139 100

109 0.0 45.8 85.8#

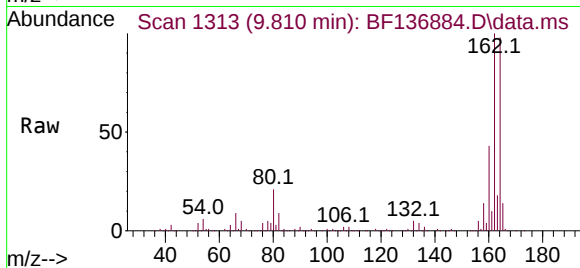
65 4.4 77.8 117.8#



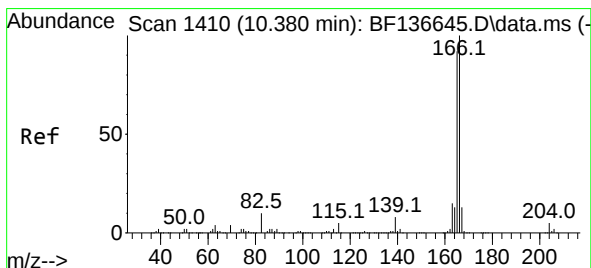
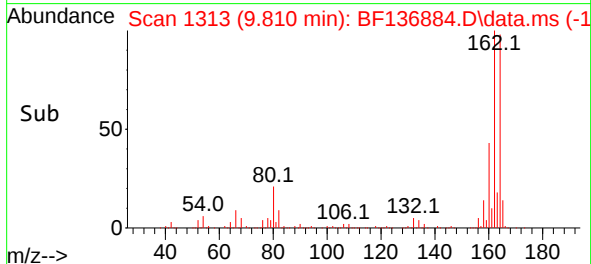
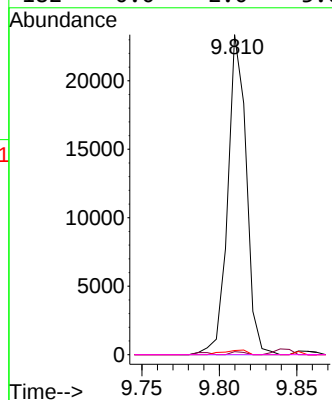


#57
2,4-Dinitrotoluene
Concen: 6.322 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

Instrument :
BNA_F
ClientSampleId :
GHL-SS-04

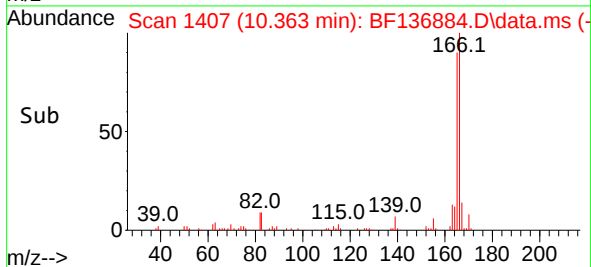
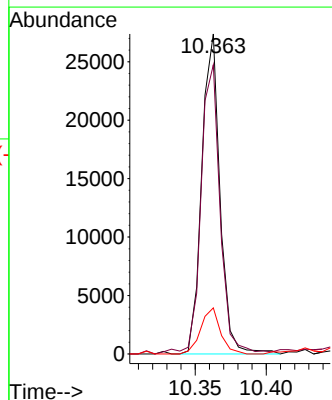
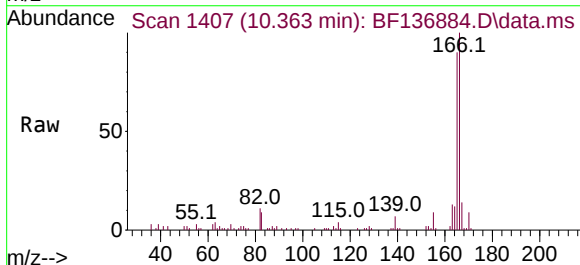


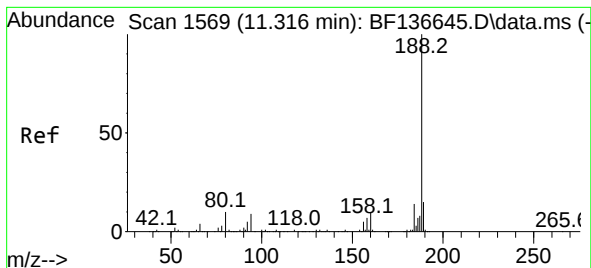
Tgt Ion:165 Resp: 19454
Ion Ratio Lower Upper
165 100
63 0.9 41.0 61.6#
89 1.3 59.9 89.9#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 2.359 ng
RT: 10.363 min Scan# 1407
Delta R.T. -0.018 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

Tgt Ion:166 Resp: 24523
Ion Ratio Lower Upper
166 100
165 90.3 73.7 110.5
167 14.4 10.4 15.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

Instrument :

BNA_F

ClientSampleId :

GHL-SS-04

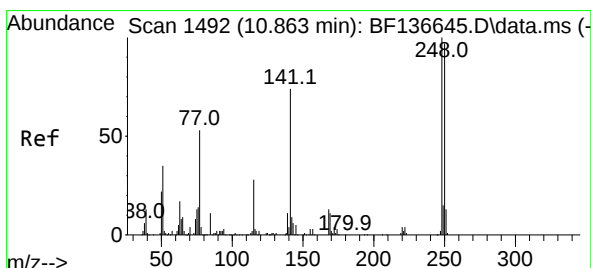
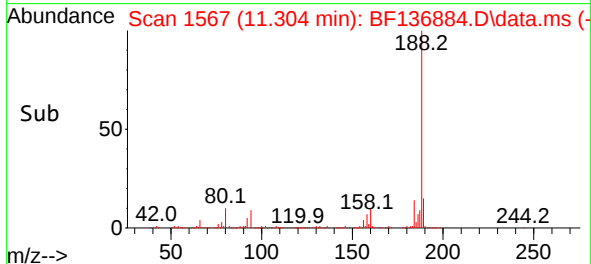
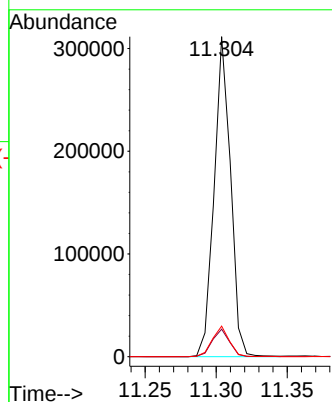
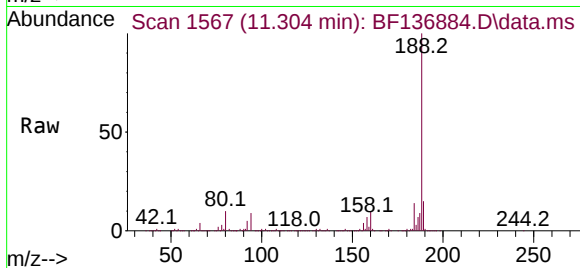
Tgt Ion:188 Resp: 249800

Ion Ratio Lower Upper

188 100

94 8.6 7.5 11.3

80 9.5 8.1 12.1



#67

4-Bromophenyl-phenylether

Concen: 3.654 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.253 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

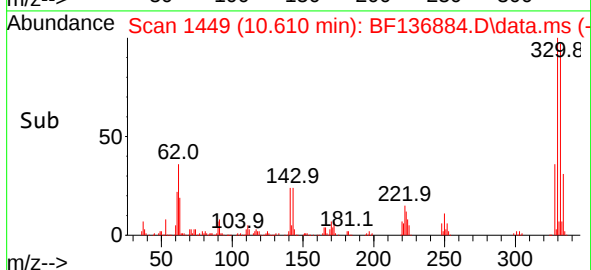
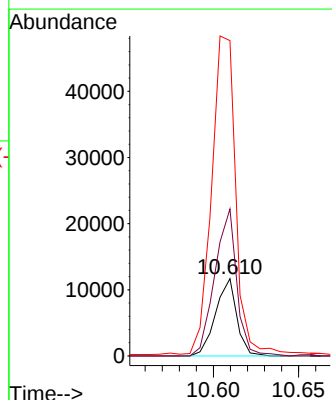
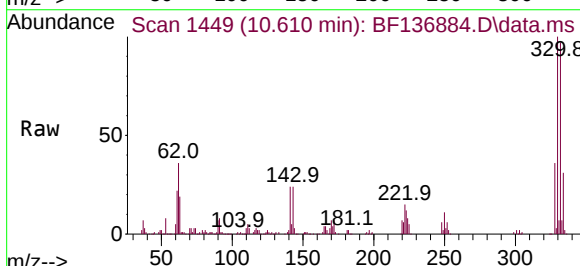
Tgt Ion:248 Resp: 10137

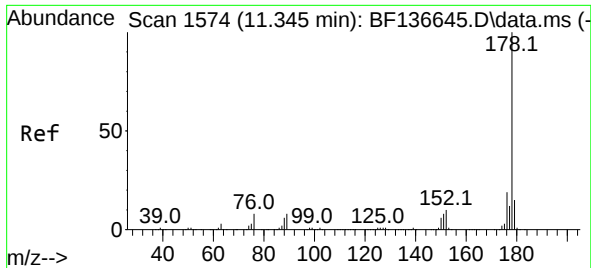
Ion Ratio Lower Upper

248 100

250 190.1 77.8 116.6#

141 407.9 59.2 88.8#

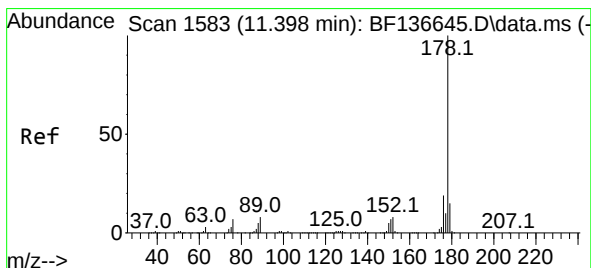
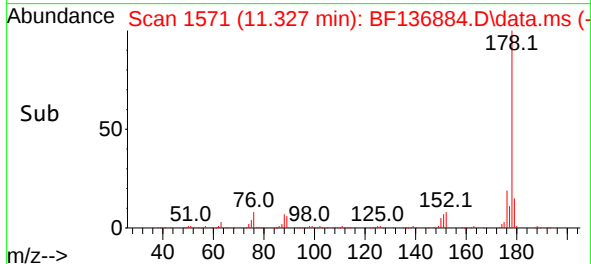
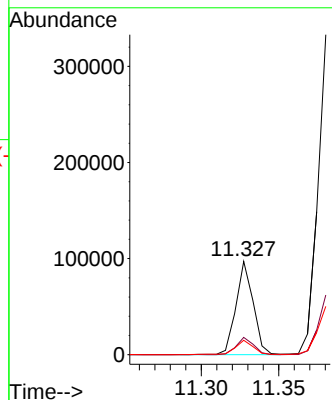
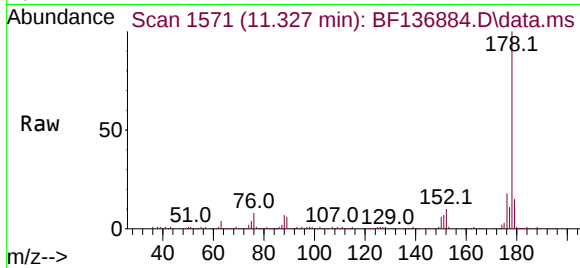




#71
Phenanthrene
Concen: 5.859 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

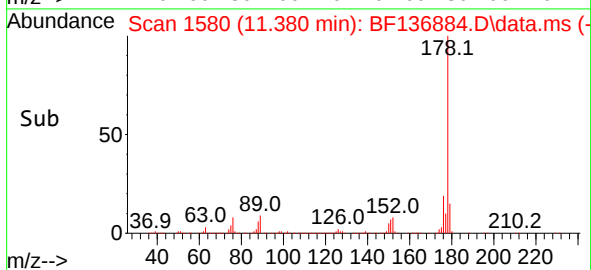
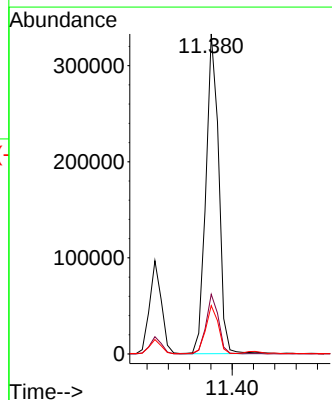
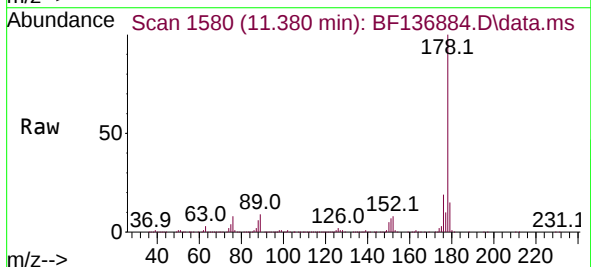
Instrument :
BNA_F
ClientSampleId :
GHL-SS-04

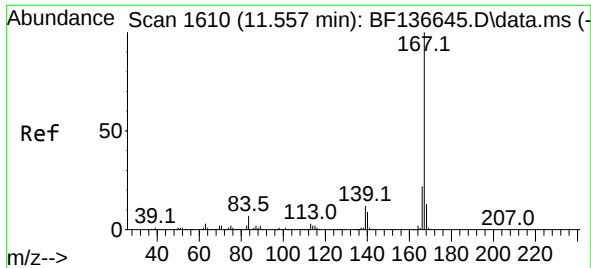
Tgt Ion:178 Resp: 75091
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 15.4 11.9 17.9



#72
Anthracene
Concen: 21.557 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.018 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

Tgt Ion:178 Resp: 279822
Ion Ratio Lower Upper
178 100
176 18.7 14.9 22.3
179 15.1 11.8 17.6

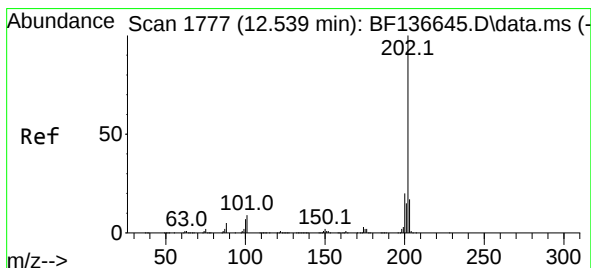
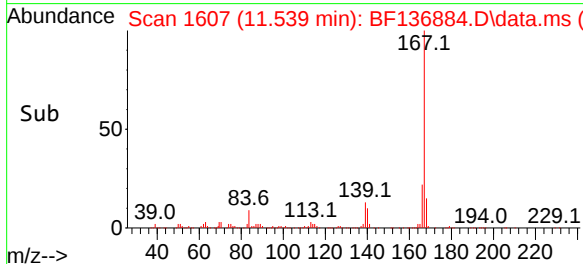
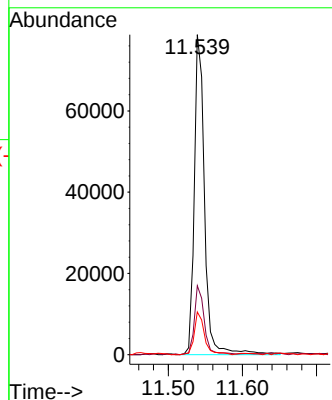
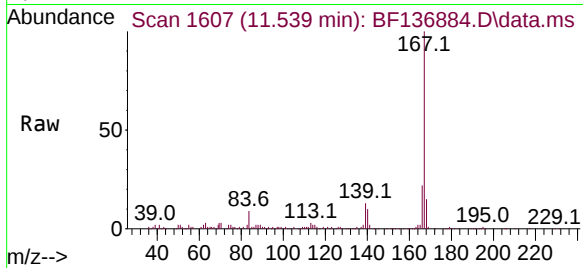




#73
 Carbazole
 Concen: 6.209 ng
 RT: 11.539 min Scan# 1607
 Delta R.T. -0.018 min
 Lab File: BF136884.D
 Acq: 02 Jan 2024 21:59

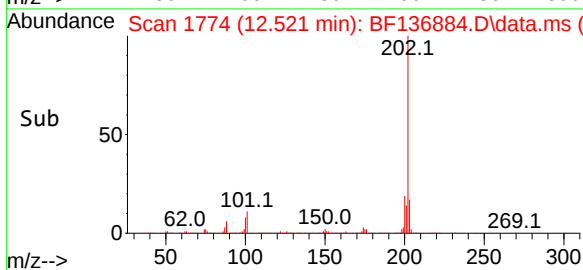
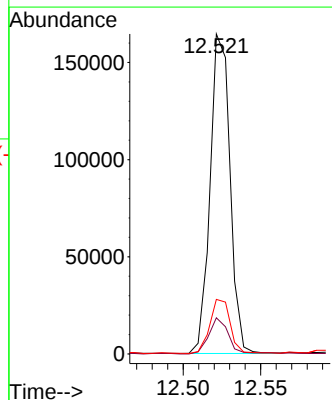
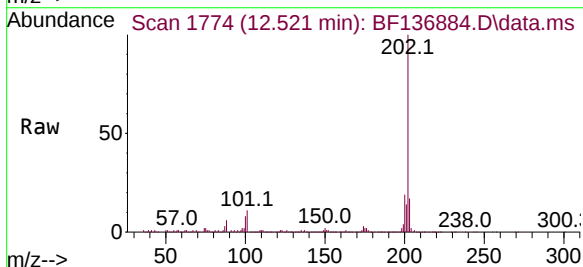
Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-04

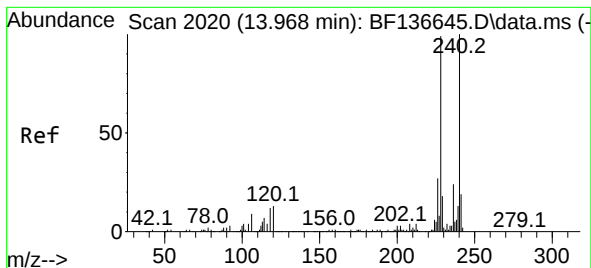
Tgt Ion:167	Resp:	75990
Ion Ratio	Lower	Upper
167	100	
166	21.5	17.3 25.9
139	13.4	9.8 14.6



#75
 Fluoranthene
 Concen: 10.728 ng
 RT: 12.521 min Scan# 1774
 Delta R.T. -0.018 min
 Lab File: BF136884.D
 Acq: 02 Jan 2024 21:59

Tgt Ion:202	Resp:	147084
Ion Ratio	Lower	Upper
202	100	
101	11.3	0.0 29.3
203	17.1	0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.962 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

Instrument :

BNA_F

ClientSampleId :

GHL-SS-04

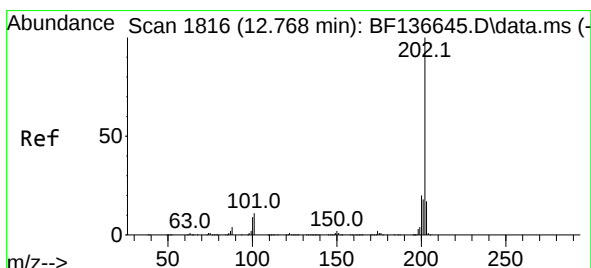
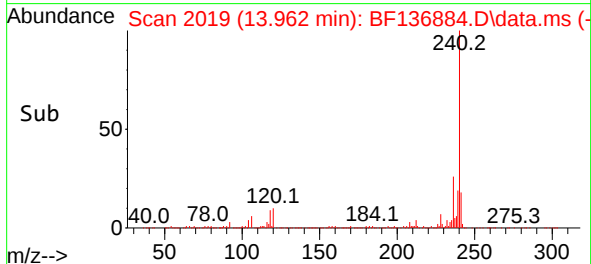
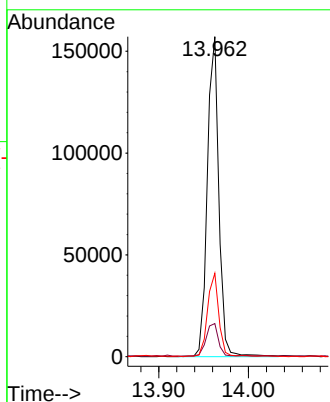
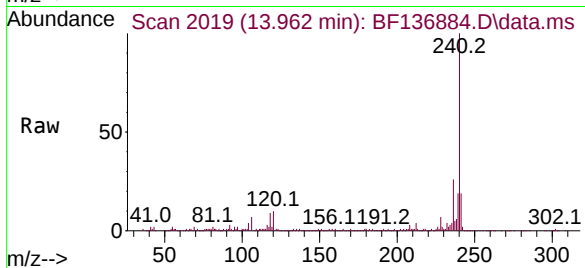
Tgt Ion:240 Resp: 140105

Ion Ratio Lower Upper

240 100

120 10.4 10.3 15.5

236 26.1 19.4 29.2



#78

Pyrene

Concen: 8.892 ng

RT: 12.751 min Scan# 1813

Delta R.T. -0.018 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

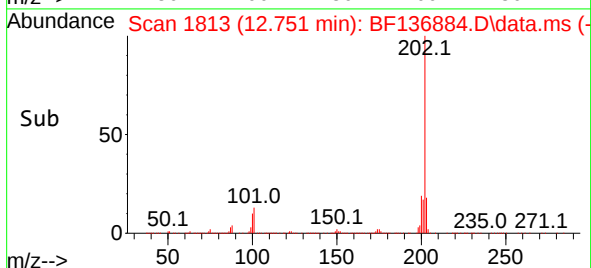
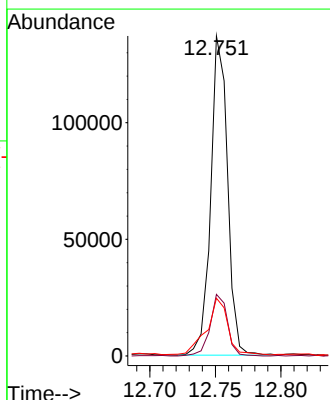
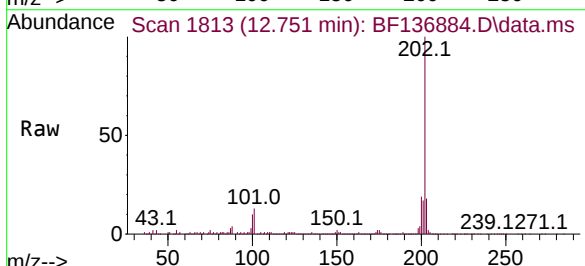
Tgt Ion:202 Resp: 122296

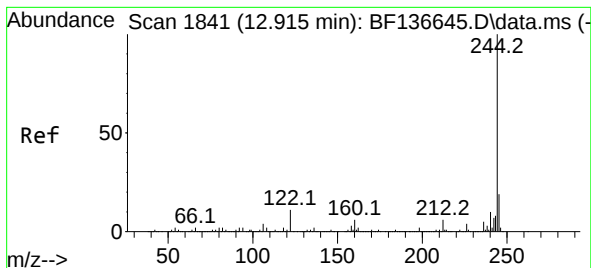
Ion Ratio Lower Upper

202 100

200 19.2 15.9 23.9

203 18.0 13.8 20.6





#79

Terphenyl-d14

Concen: 66.278 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

Instrument :

BNA_F

ClientSampleId :

GHL-SS-04

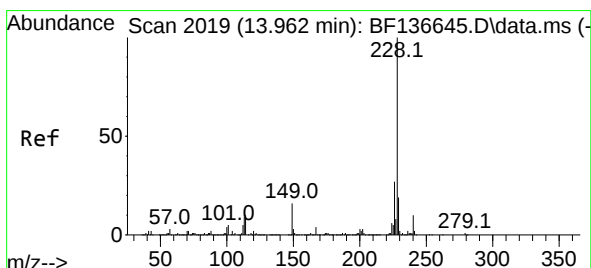
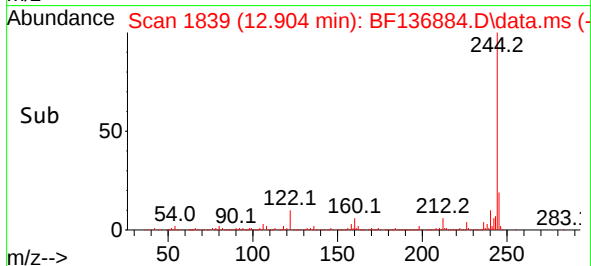
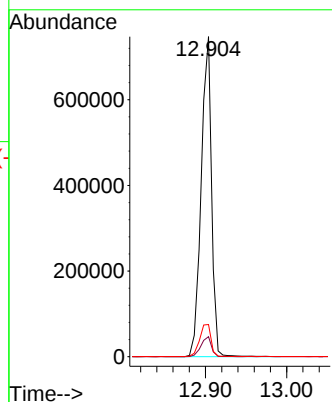
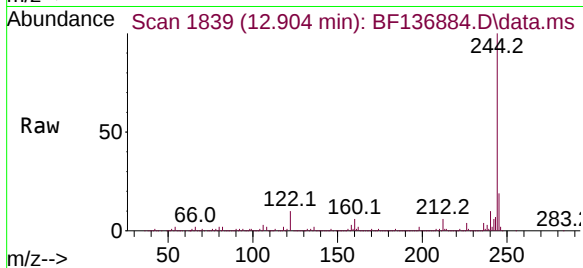
Tgt Ion:244 Resp: 664477

Ion Ratio Lower Upper

244 100

212 6.3 5.0 7.4

122 10.1 9.0 13.4



#81

Benzo(a)anthracene

Concen: 6.289 ng

RT: 13.951 min Scan# 2017

Delta R.T. -0.012 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

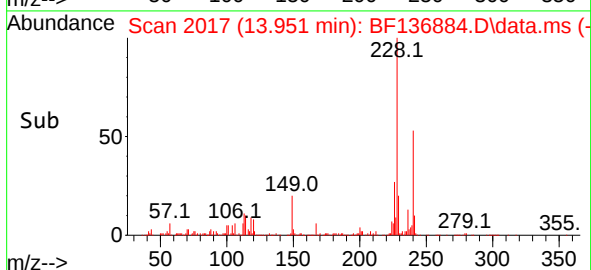
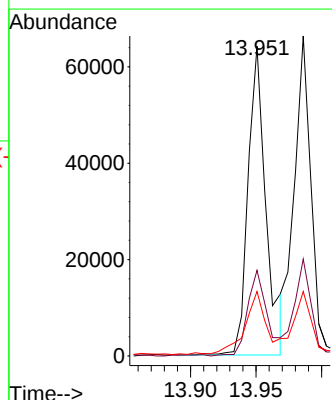
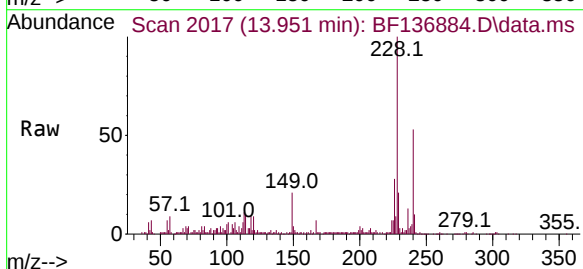
Tgt Ion:228 Resp: 61187

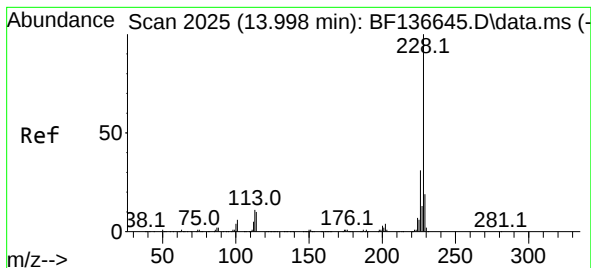
Ion Ratio Lower Upper

228 100

226 27.7 21.4 32.0

229 20.8 14.9 22.3





#83

Chrysene

Concen: 6.246 ng

RT: 13.986 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

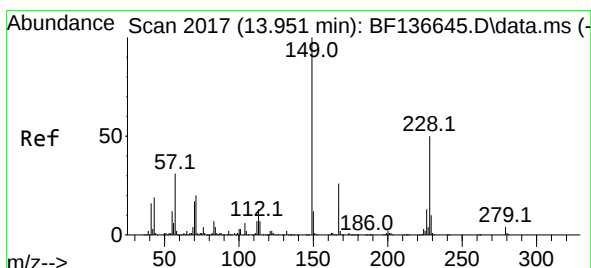
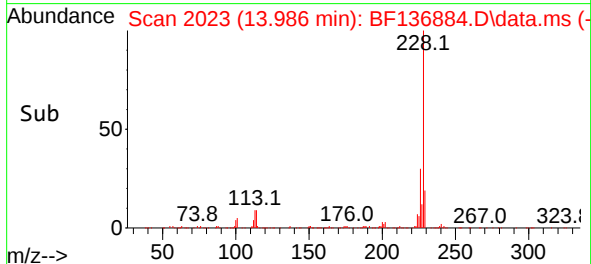
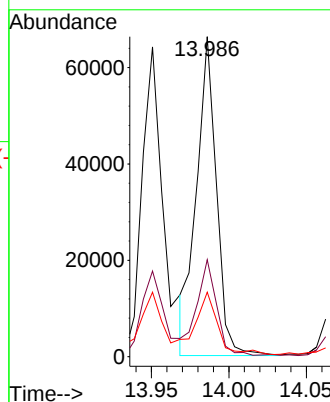
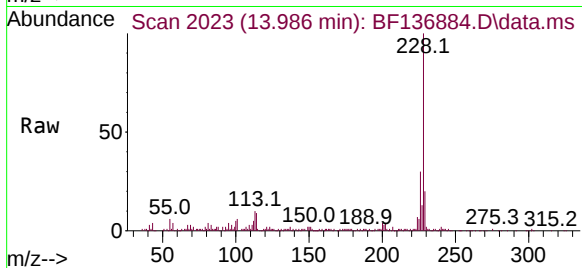
Instrument :

BNA_F

ClientSampleId :

GHL-SS-04

Tgt Ion:228	Resp:	59425
Ion Ratio	Lower	Upper
228	100	
226	30.3	24.7 37.1
229	20.2	15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.106 ng

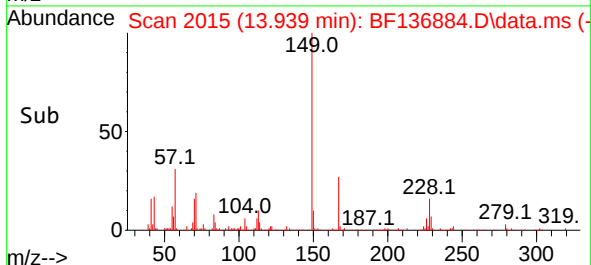
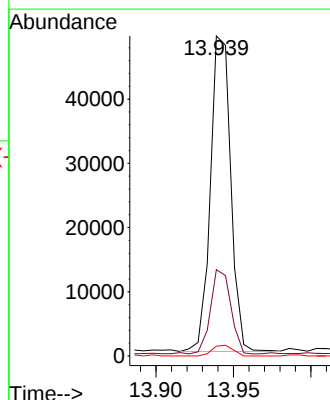
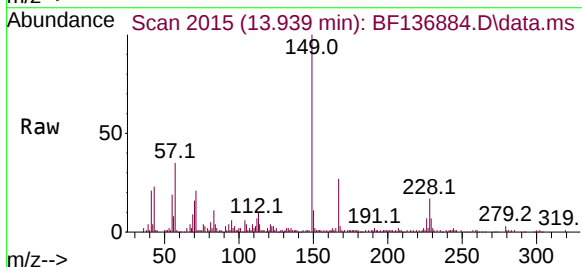
RT: 13.939 min Scan# 2015

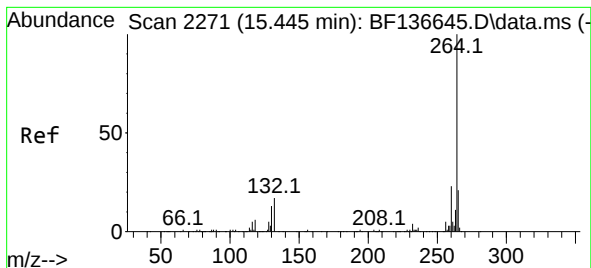
Delta R.T. -0.012 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

Tgt Ion:149	Resp:	44744
Ion Ratio	Lower	Upper
149	100	
167	27.0	20.9 31.3
279	3.1	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: BF136884.D

Acq: 02 Jan 2024 21:59

Instrument :

BNA_F

ClientSampleId :

GHL-SS-04

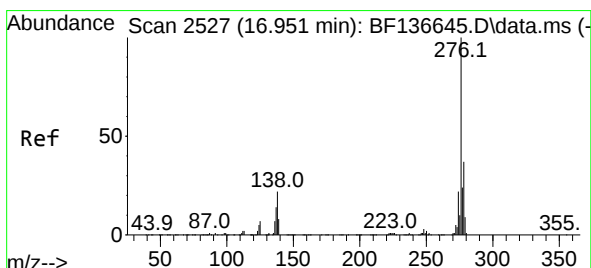
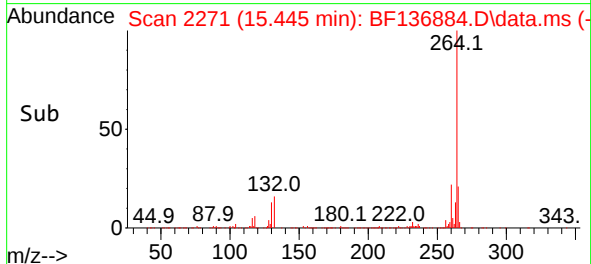
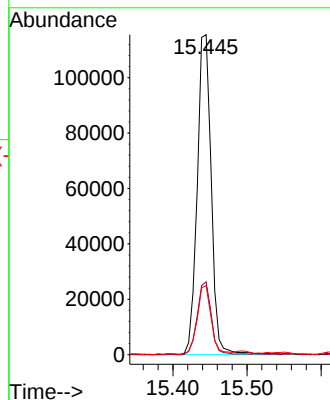
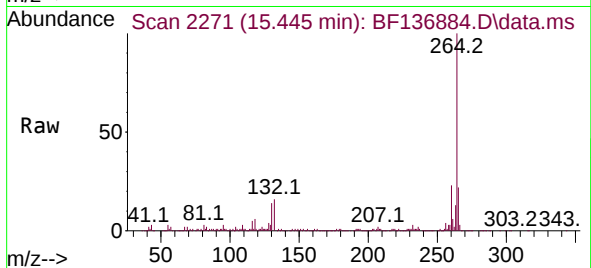
Tgt Ion:264 Resp: 152049

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: 2.759 ng

RT: 16.939 min Scan# 2525

Delta R.T. -0.012 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

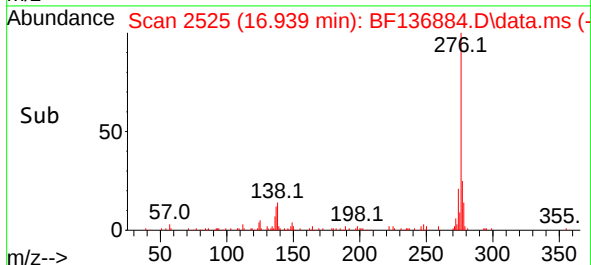
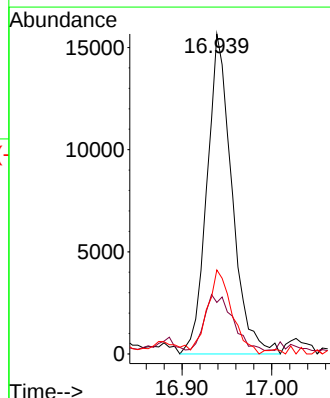
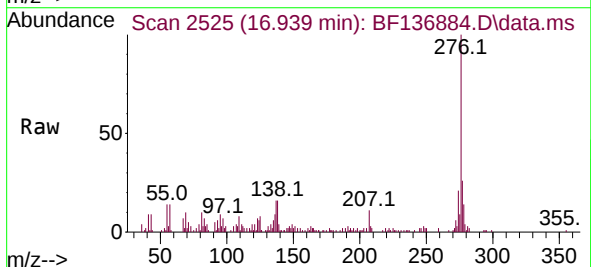
Tgt Ion:276 Resp: 30288

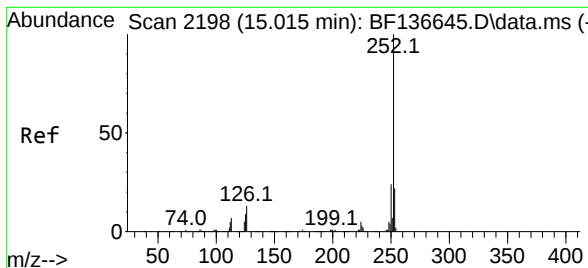
Ion Ratio Lower Upper

276 100

138 20.6 18.7 28.1

277 25.6 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 9.745 ng

RT: 15.009 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

Instrument :

BNA_F

ClientSampleId :

GHL-SS-04

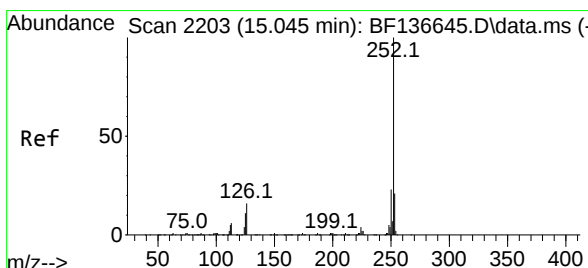
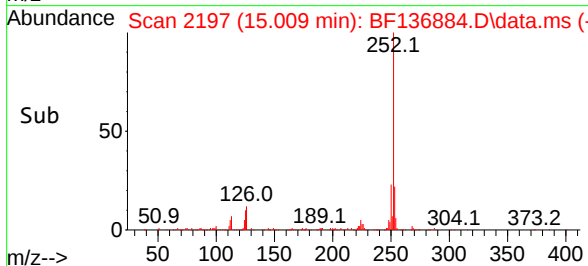
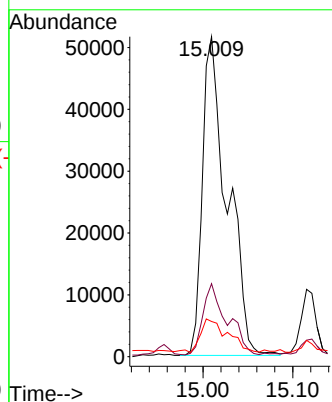
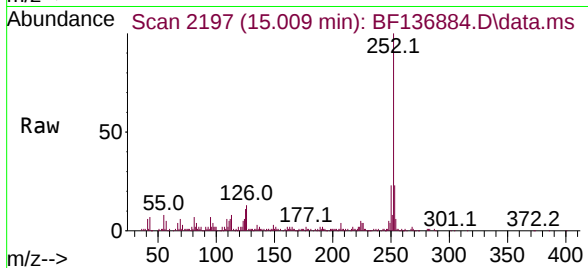
Tgt Ion:252 Resp: 98962

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 11.0 7.4 11.2



#89

Benzo(k)fluoranthene

Concen: 10.313 ng

RT: 15.009 min Scan# 2197

Delta R.T. -0.035 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

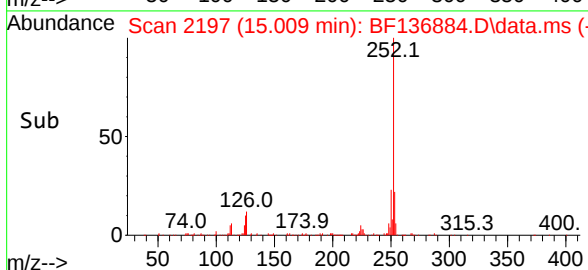
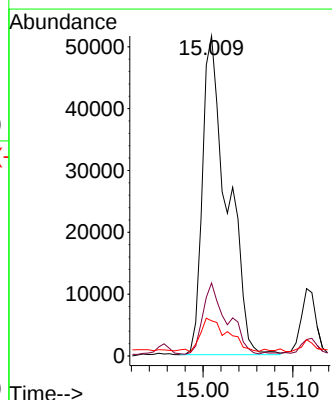
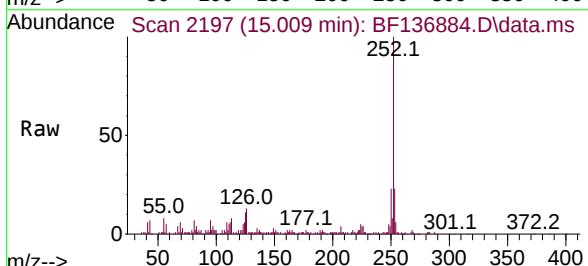
Tgt Ion:252 Resp: 98962

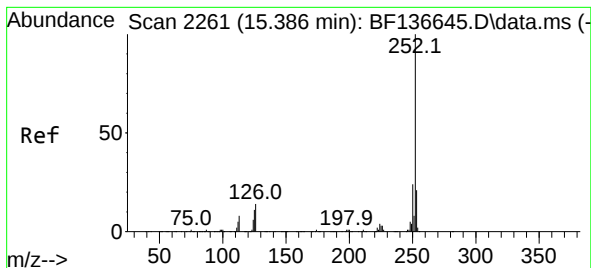
Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.6

125 11.0 8.2 12.4





#90

Benzo(a)pyrene

Concen: 6.421 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

Instrument :

BNA_F

ClientSampleId :

GHL-SS-04

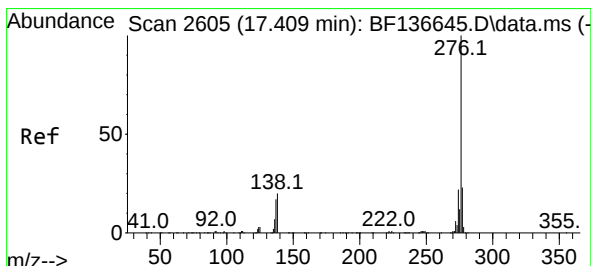
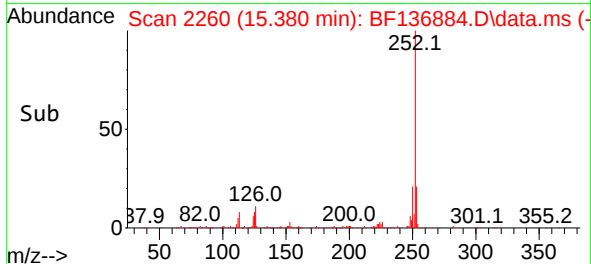
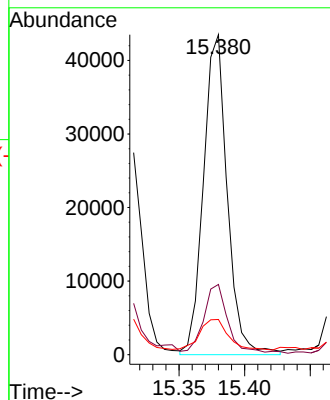
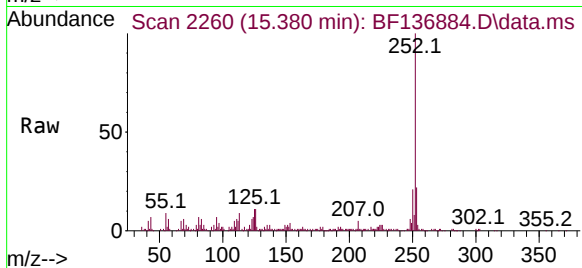
Tgt Ion:252 Resp: 55039

Ion Ratio Lower Upper

252 100

253 22.0 17.0 25.6

125 11.0 8.8 13.2



#92

Benzo(g,h,i)perylene

Concen: 3.170 ng

RT: 17.398 min Scan# 2603

Delta R.T. -0.012 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

Tgt Ion:276 Resp: 29242

Ion Ratio Lower Upper

276 100

277 23.0 18.3 27.5

138 21.3 15.6 23.4

