

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010324\
 Data File : BF136920.D
 Acq On : 03 Jan 2024 21:54
 Operator : CG\JU
 Sample : 05897-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-31

Quant Time: Jan 04 03:42:46 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)

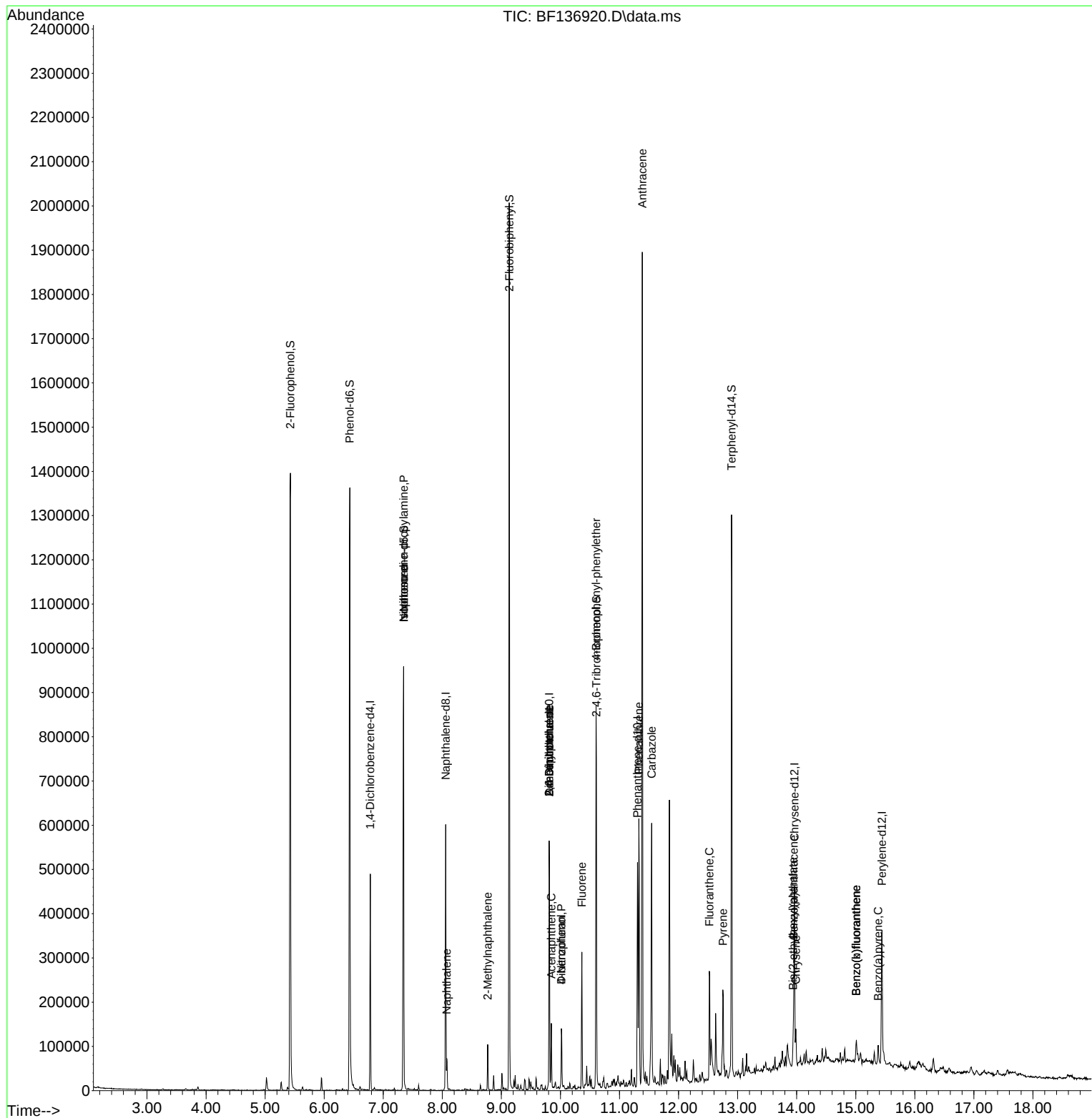
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	63667	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	241152	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	110255	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	170265	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	131995	20.000	ng	0.00
86) Perylene-d12	15.445	264	151115	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	405530	99.383	ng	0.00
7) Phenol-d6	6.434	99	499243	94.423	ng	0.00
23) Nitrobenzene-d5	7.345	82	305788	64.886	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	109256	84.140	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	565674	69.006	ng	-0.02
79) Terphenyl-d14	12.898	244	458838	48.578	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	40754	12.715	ng	# 71
25) Isophorone	7.345	82	305785	35.659	ng	# 65
31) Naphthalene	8.075	128	29830	2.252	ng	99
37) 2-Methylnaphthalene	8.769	142	25532	2.995	ng	89
50) Dimethylphthalate	9.810	163	20501	2.546	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	14674	8.029	ng	# 29
52) Acenaphthene	9.845	154	27611	4.143	ng	96
55) Dibenzofuran	10.016	168	54598	5.405	ng	96
56) 4-Nitrophenol	10.016	139	18452	14.118	ng	# 10
57) 2,4-Dinitrotoluene	9.810	165	14674	6.184	ng	# 20
58) Fluorene	10.363	166	78325	9.772	ng	98
67) 4-Bromophenyl-phenylether	10.604	248	6511	3.443	ng	# 1
71) Phenanthrene	11.327	178	217142	24.855	ng	99
72) Anthracene	11.386	178	719113	81.277	ng	99
73) Carbazole	11.545	167	237936	28.524	ng	99
75) Fluoranthene	12.522	202	101550	10.867	ng	97
78) Pyrene	12.751	202	74558	5.754	ng	98
81) Benzo(a)anthracene	13.951	228	30139	3.288	ng	97
83) Chrysene	13.986	228	29692	3.313	ng	95
84) Bis(2-ethylhexyl)phtha...	13.939	149	12465	2.101	ng	# 95
88) Benzo(b)fluoranthene	15.010	252	34614	3.429	ng	98
89) Benzo(k)fluoranthene	15.010	252	34614	3.629	ng	99
90) Benzo(a)pyrene	15.380	252	17703	2.078	ng	# 88

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

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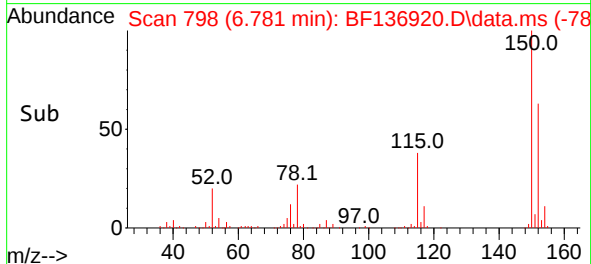
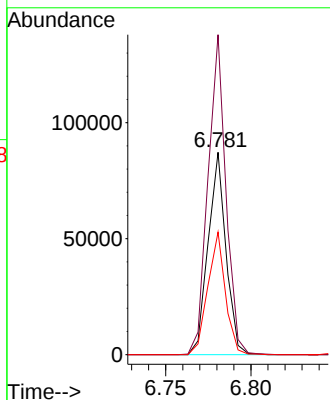
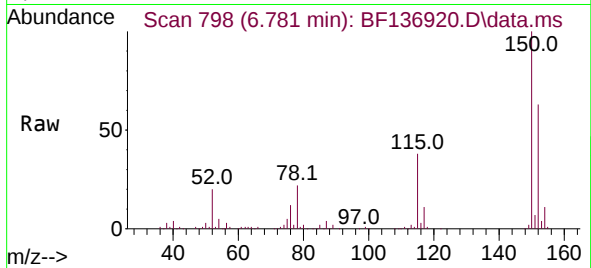




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

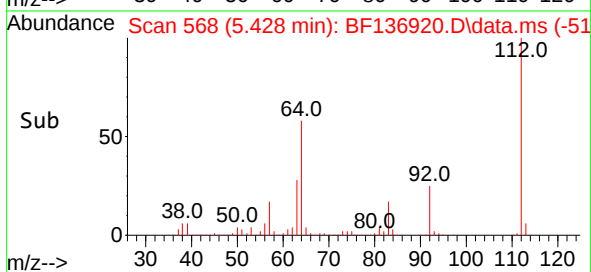
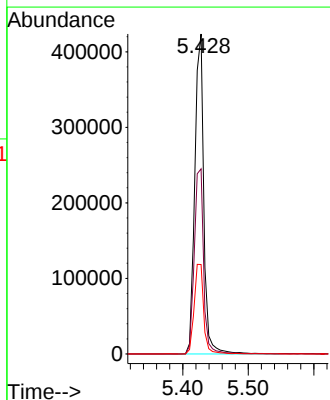
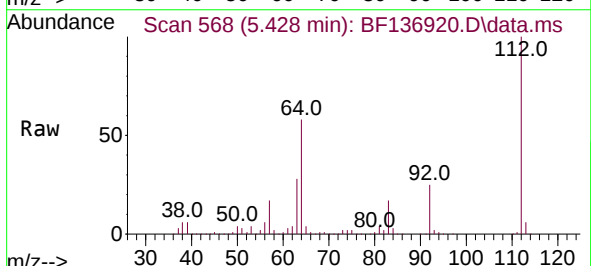
Instrument :
BNA_F
ClientSampleId :
GHL-SS-31

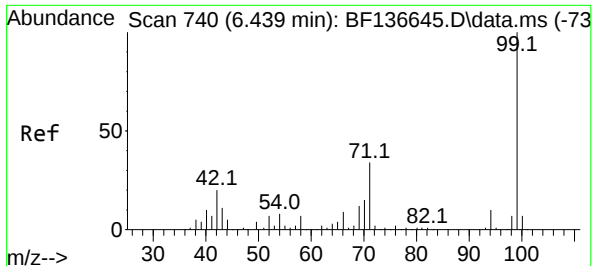
Tgt Ion:152 Resp: 63667
Ion Ratio Lower Upper
152 100
150 158.1 127.0 190.6
115 60.6 49.0 73.4



#5
2-Fluorophenol
Concen: 99.383 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

Tgt Ion:112 Resp: 405530
Ion Ratio Lower Upper
112 100
64 57.8 51.1 76.7
63 27.9 26.1 39.1

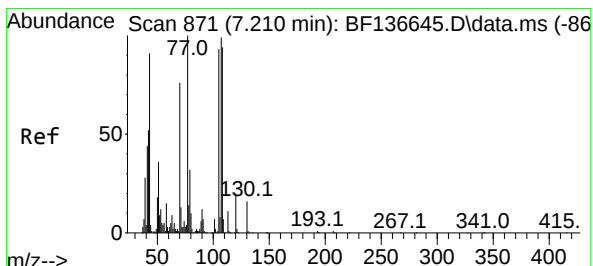
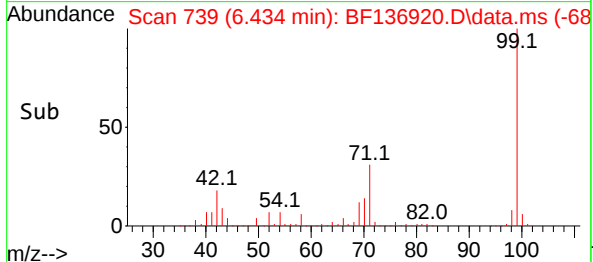
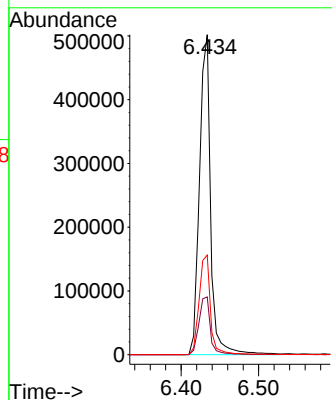
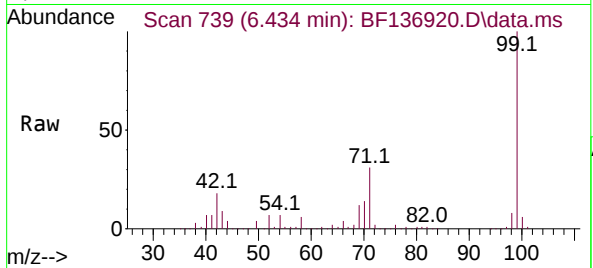




#7
Phenol-d6
Concen: 94.423 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

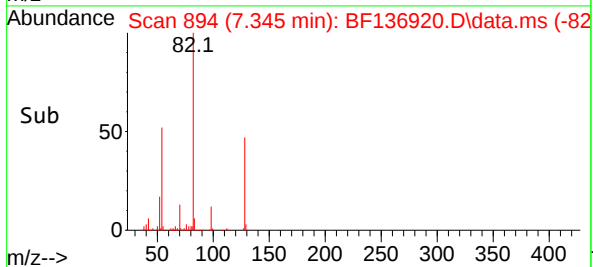
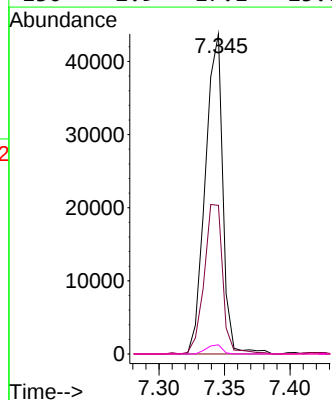
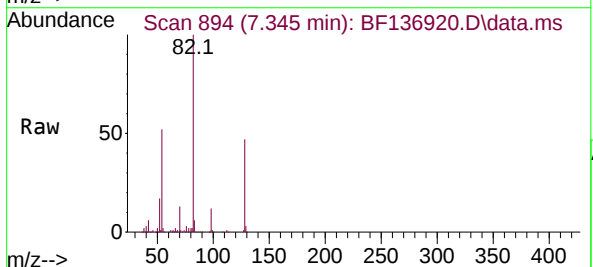
Instrument :
BNA_F
ClientSampleId :
GHL-SS-31

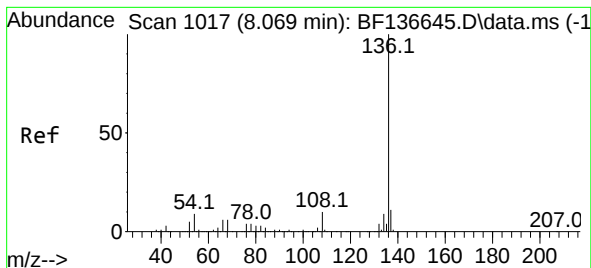
Tgt Ion: 99 Resp: 499243
Ion Ratio Lower Upper
99 100
42 18.0 16.1 24.1
71 31.1 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.715 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

Tgt Ion: 70 Resp: 40754
Ion Ratio Lower Upper
70 100
42 46.4 54.2 81.4#
101 0.0 7.6 11.4#
130 2.9 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: BF136920.D

Acq: 03 Jan 2024 21:54

Instrument :

BNA_F

ClientSampleId :

GHL-SS-31

Tgt Ion:136 Resp: 241152

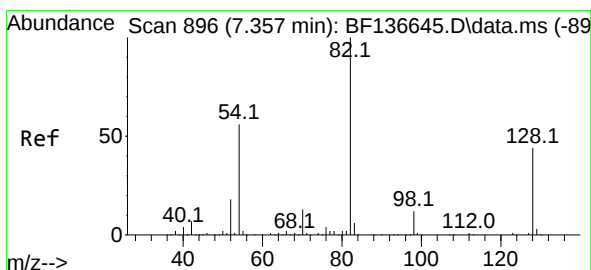
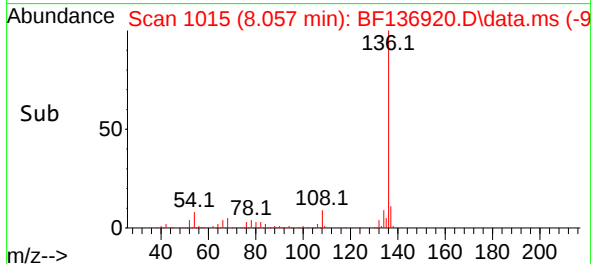
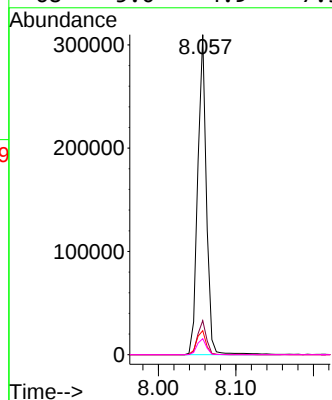
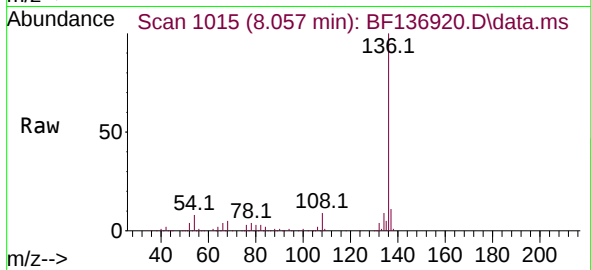
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.4

54 7.5 7.2 10.8

68 5.0 4.9 7.3



#23

Nitrobenzene-d5

Concen: 64.886 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF136920.D

Acq: 03 Jan 2024 21:54

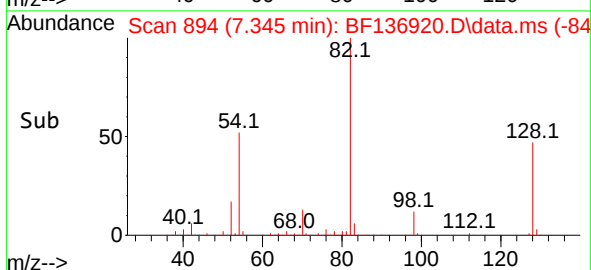
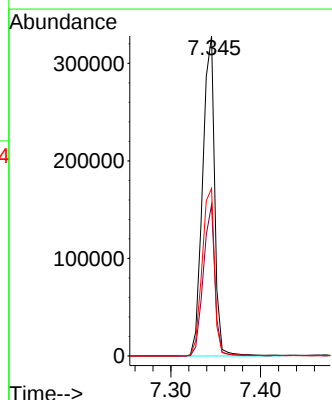
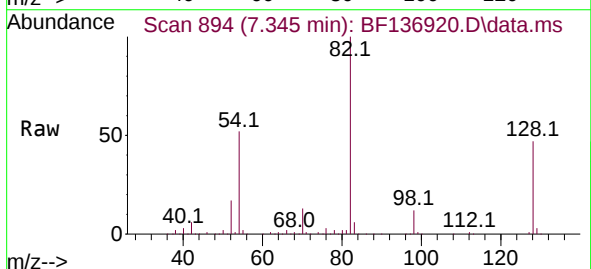
Tgt Ion: 82 Resp: 305788

Ion Ratio Lower Upper

82 100

128 47.3 35.3 52.9

54 52.3 44.5 66.7

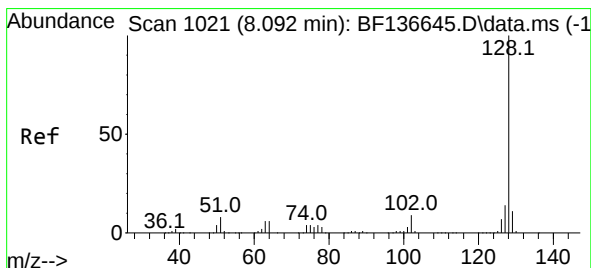
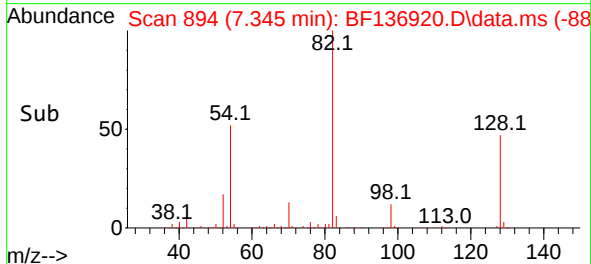
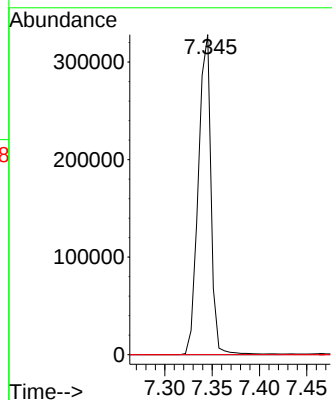
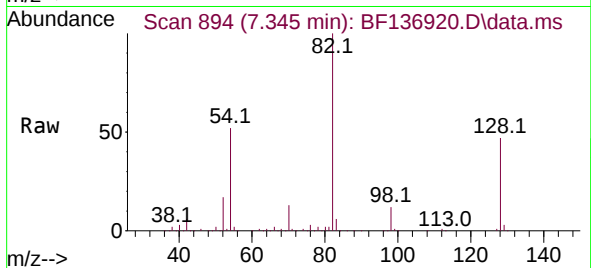




#25
Isophorone
Concen: 35.659 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

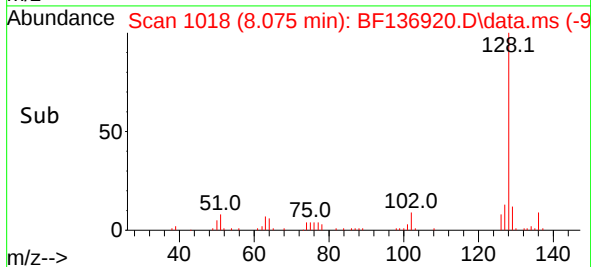
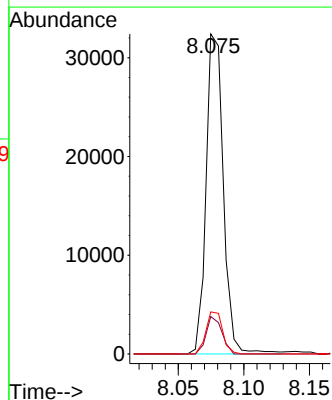
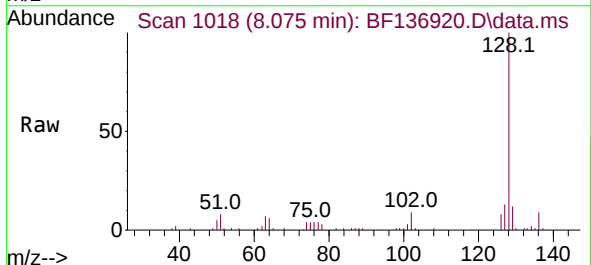
Instrument :
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ClientSampleId :
GHL-SS-31

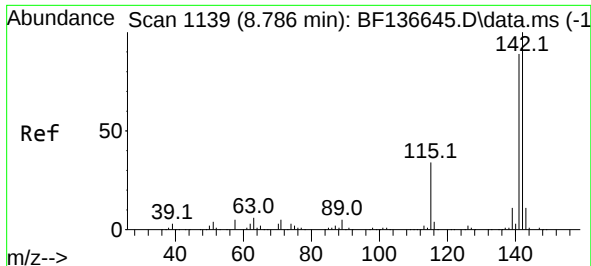
Tgt Ion: 82 Resp: 305785
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#31
Naphthalene
Concen: 2.252 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.018 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

Tgt Ion: 128 Resp: 29830
Ion Ratio Lower Upper
128 100
129 11.7 8.7 13.1
127 13.1 10.8 16.2





#37

2-Methylnaphthalene

Concen: 2.995 ng

RT: 8.769 min Scan# 1136

Delta R.T. -0.018 min

Lab File: BF136920.D

Acq: 03 Jan 2024 21:54

Instrument :

BNA_F

ClientSampleId :

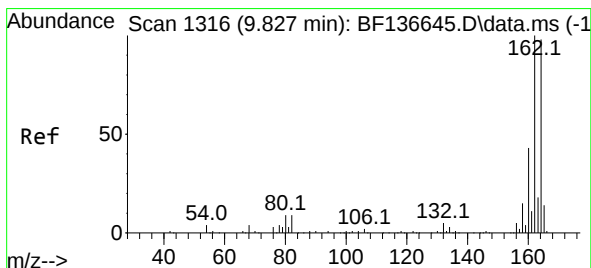
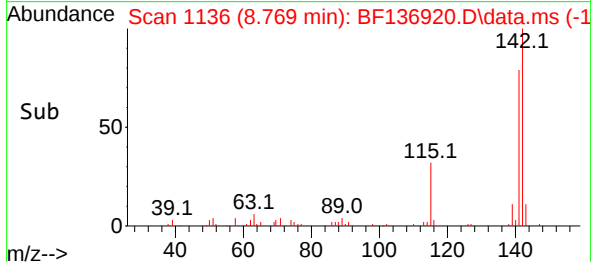
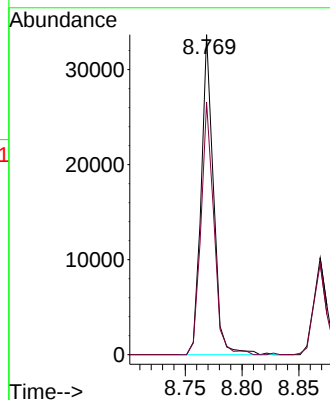
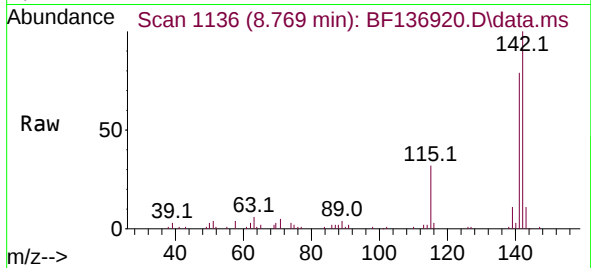
GHL-SS-31

Tgt Ion:142 Resp: 25532

Ion Ratio Lower Upper

142 100

141 78.9 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: BF136920.D

Acq: 03 Jan 2024 21:54

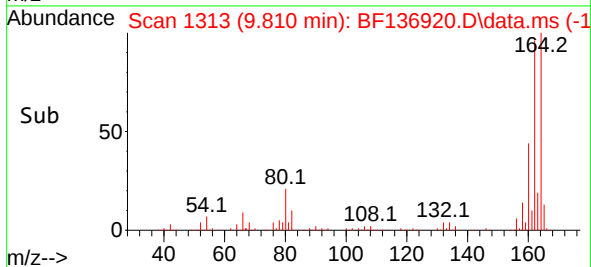
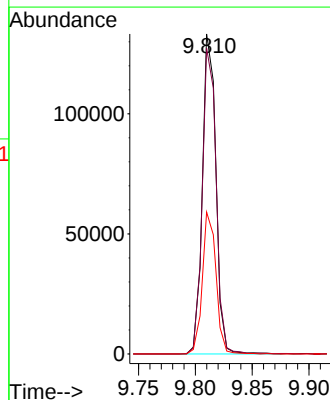
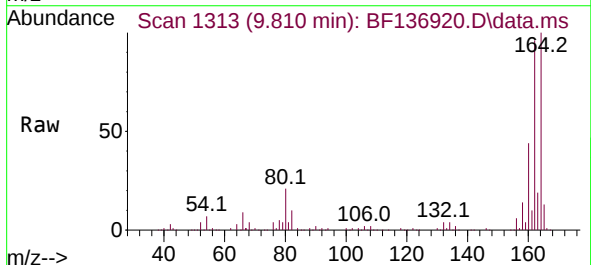
Tgt Ion:164 Resp: 110255

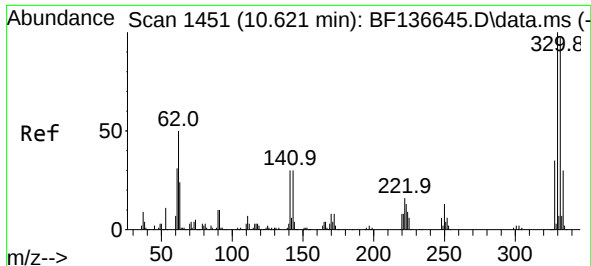
Ion Ratio Lower Upper

164 100

162 95.6 81.6 122.4

160 44.4 34.9 52.3

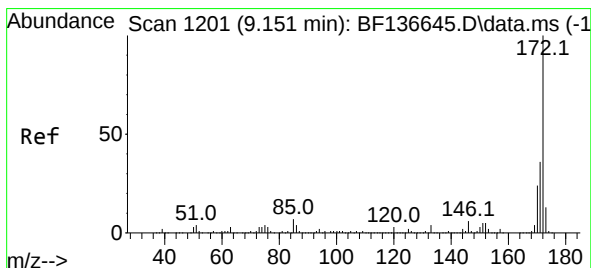
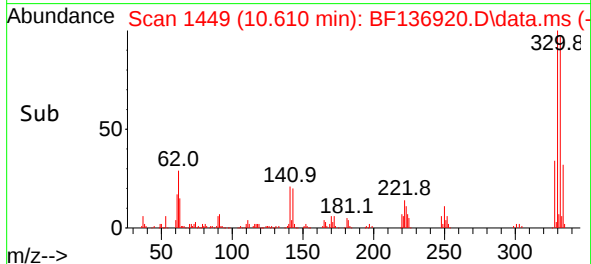
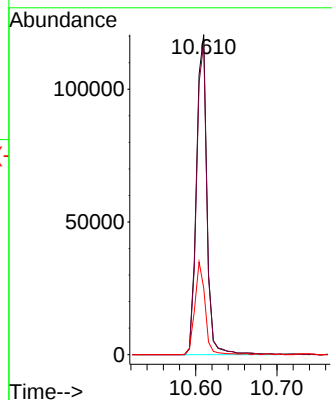
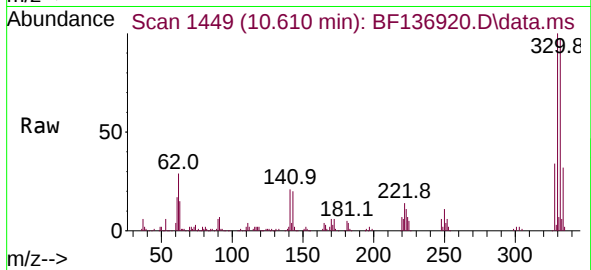




#42
2,4,6-Tribromophenol
Concen: 84.140 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

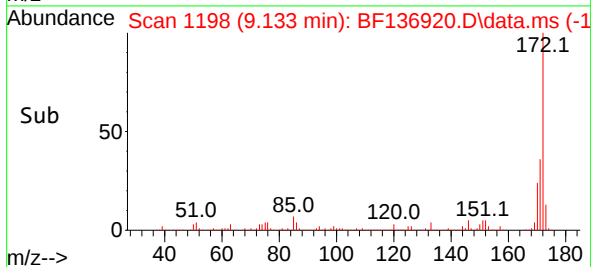
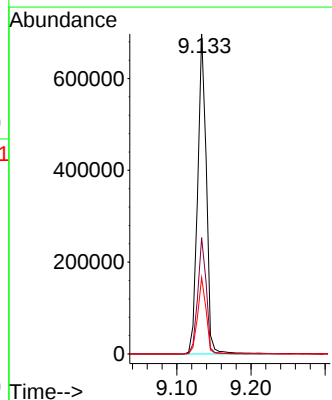
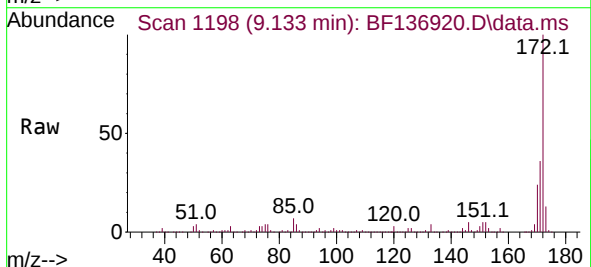
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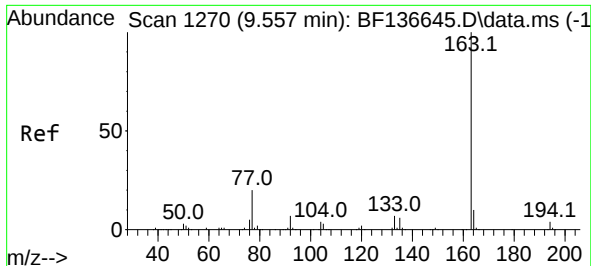
Tgt Ion:330 Resp: 109256
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.0
141 28.4 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 69.006 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

Tgt Ion:172 Resp: 565674
Ion Ratio Lower Upper
172 100
171 36.4 29.0 43.6
170 23.9 19.0 28.4

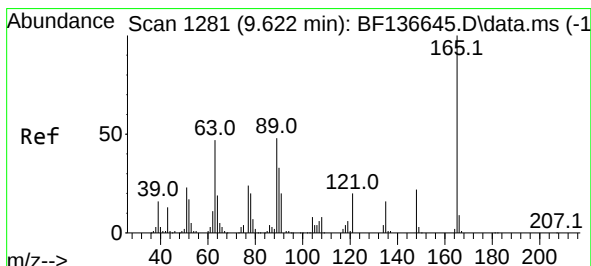
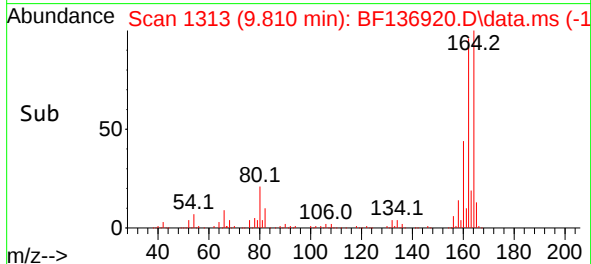
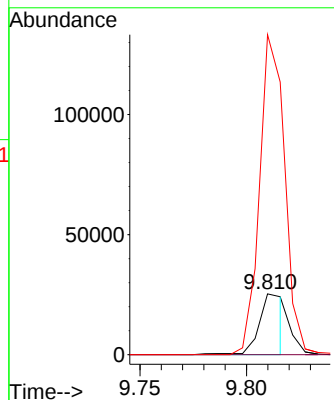
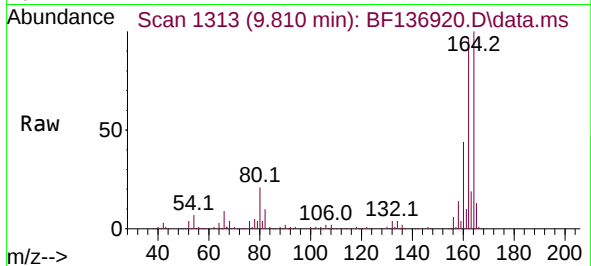




#50
Dimethylphthalate
Concen: 2.546 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.253 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

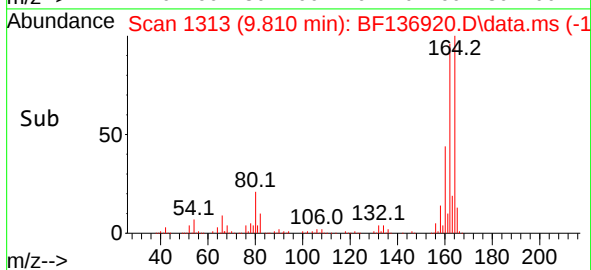
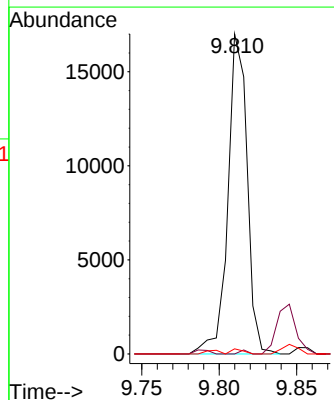
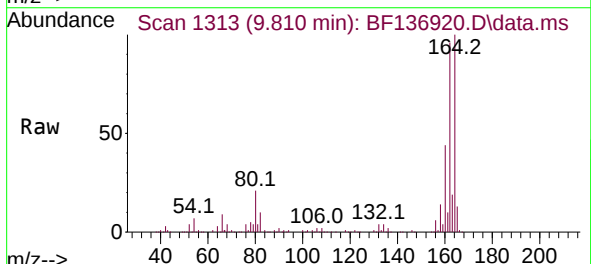
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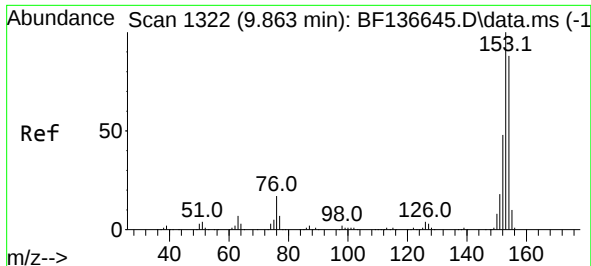
Tgt Ion:163 Resp: 20501
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 525.9 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 8.029 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.188 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

Tgt Ion:165 Resp: 14674
Ion Ratio Lower Upper
165 100
63 0.0 39.8 59.6#
89 1.6 38.8 58.2#

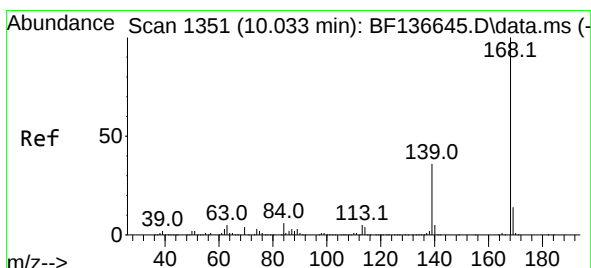
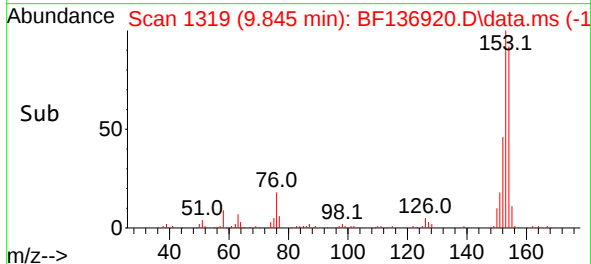
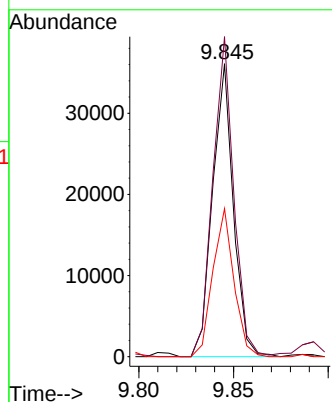
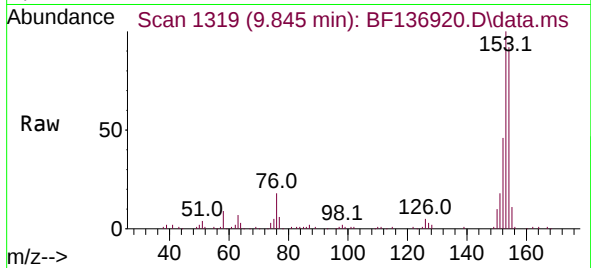




#52
Acenaphthene
Concen: 4.143 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

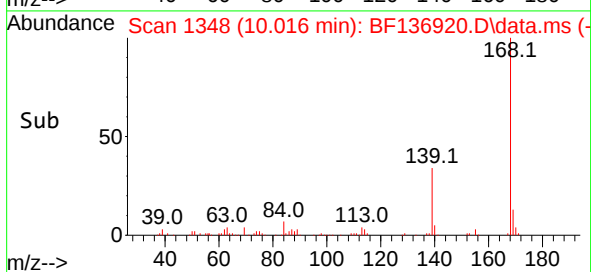
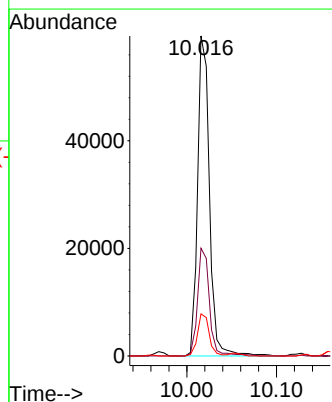
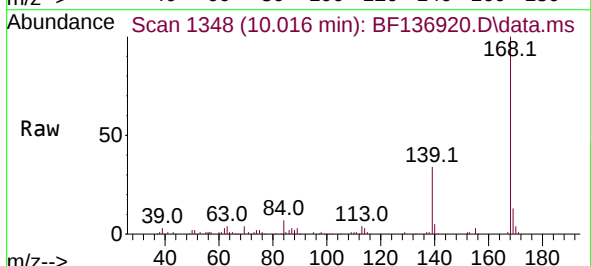
Instrument :
BNA_F
ClientSampleId :
GHL-SS-31

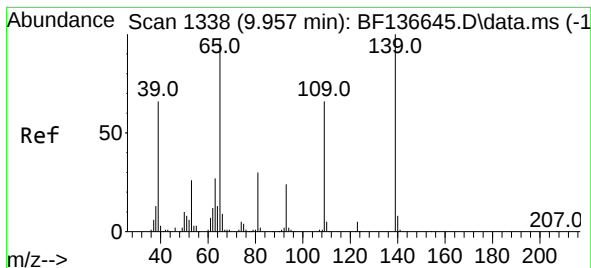
Tgt Ion:154 Resp: 27611
Ion Ratio Lower Upper
154 100
153 109.2 90.7 136.1
152 50.5 43.7 65.5



#55
Dibenzofuran
Concen: 5.405 ng
RT: 10.016 min Scan# 1348
Delta R.T. -0.018 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

Tgt Ion:168 Resp: 54598
Ion Ratio Lower Upper
168 100
139 33.6 29.3 43.9
169 13.2 11.0 16.4





#56

4-Nitrophenol

Concen: 14.118 ng

RT: 10.016 min Scan# 11

Delta R.T. 0.059 min

Lab File: BF136920.D

Acq: 03 Jan 2024 21:54

Instrument :

BNA_F

ClientSampleId :

GHL-SS-31

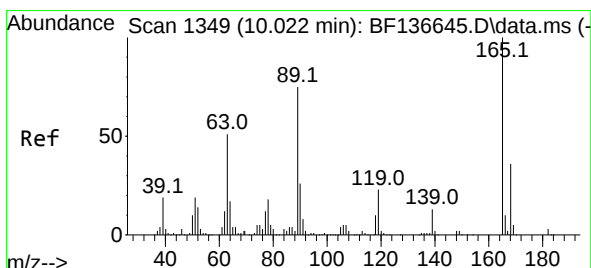
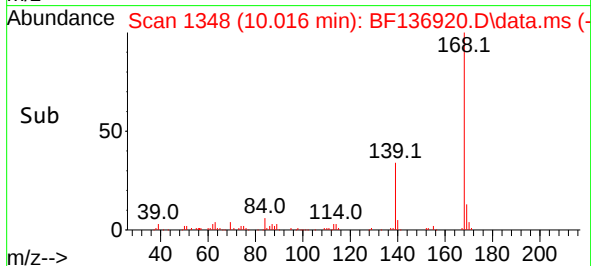
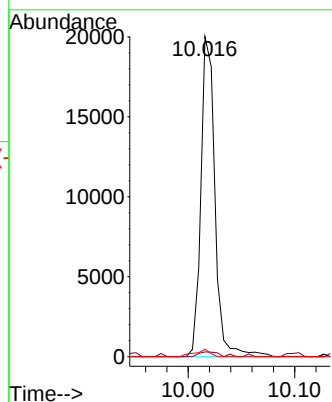
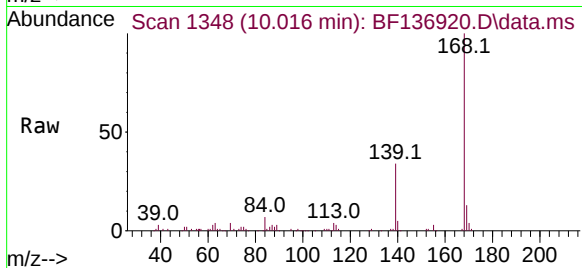
Tgt Ion:139 Resp: 18452

Ion Ratio Lower Upper

139 100

109 1.5 45.8 85.8#

65 2.3 77.8 117.8#



#57

2,4-Dinitrotoluene

Concen: 6.184 ng

RT: 9.810 min Scan# 1313

Delta R.T. -0.212 min

Lab File: BF136920.D

Acq: 03 Jan 2024 21:54

Tgt Ion:165 Resp: 14674

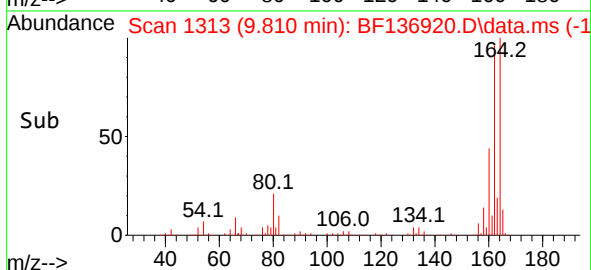
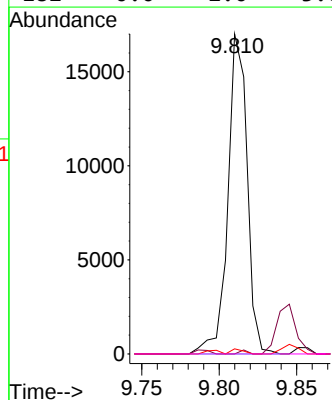
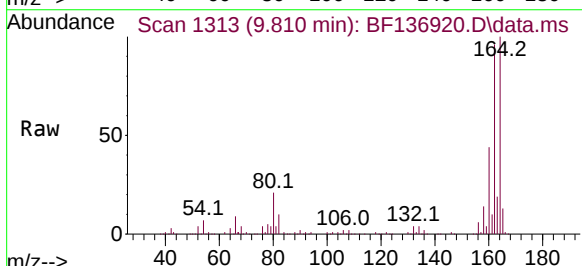
Ion Ratio Lower Upper

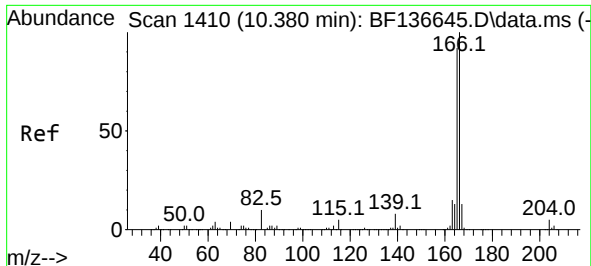
165 100

63 0.0 41.0 61.6#

89 1.6 59.9 89.9#

182 0.0 2.0 3.0#

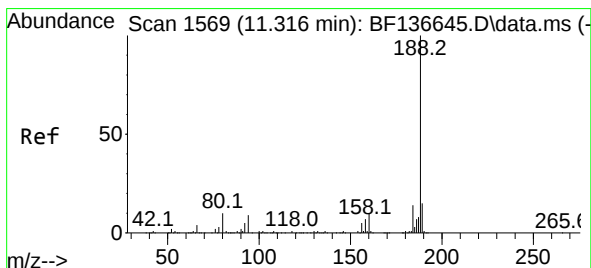
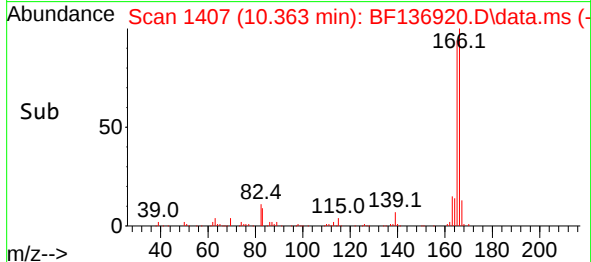
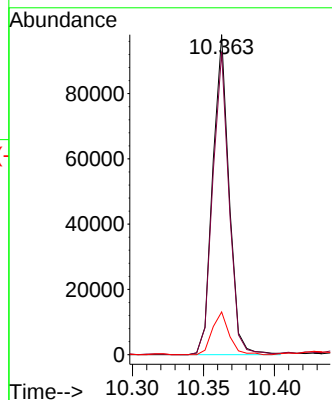
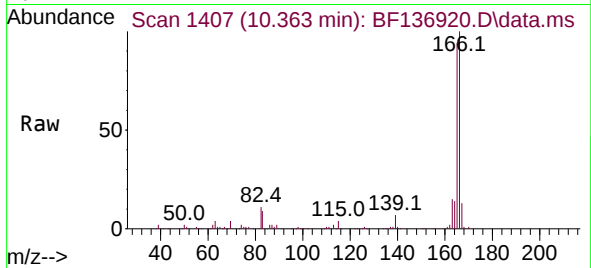




#58
Fluorene
Concen: 9.772 ng
RT: 10.363 min Scan# 1410
Delta R.T. -0.018 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

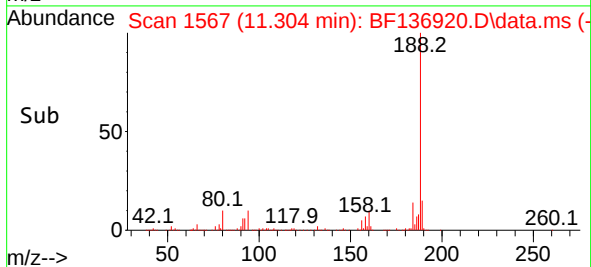
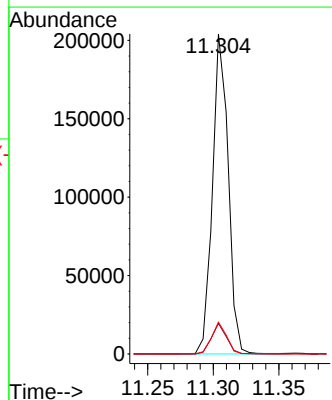
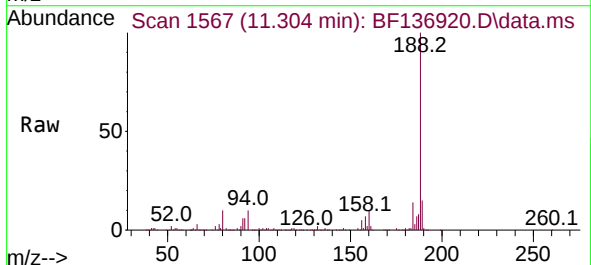
Instrument :
BNA_F
ClientSampleId :
GHL-SS-31

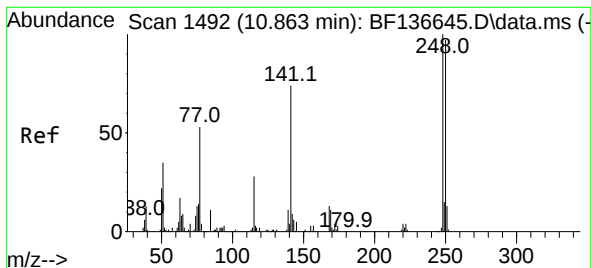
Tgt Ion:166 Resp: 78325
Ion Ratio Lower Upper
166 100
165 94.5 73.7 110.5
167 13.3 10.4 15.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

Tgt Ion:188 Resp: 170265
Ion Ratio Lower Upper
188 100
94 9.6 7.5 11.3
80 10.0 8.1 12.1

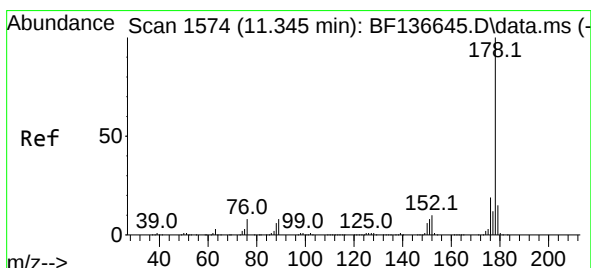
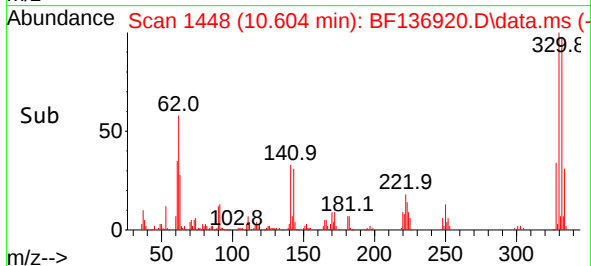
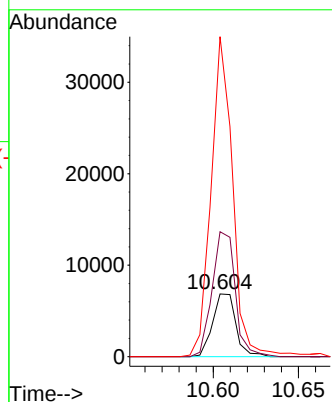
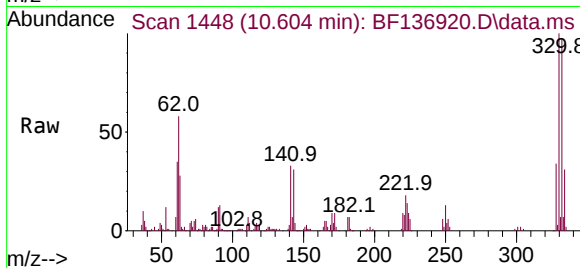




#67
4-Bromophenyl-phenylether
Concen: 3.443 ng
RT: 10.604 min Scan# 1492
Delta R.T. -0.259 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

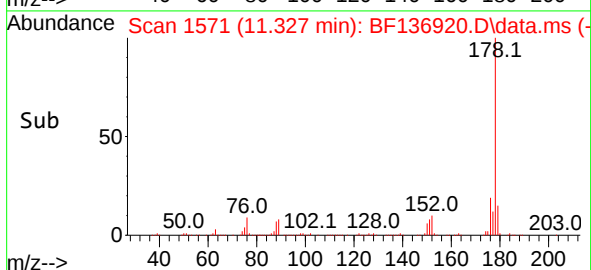
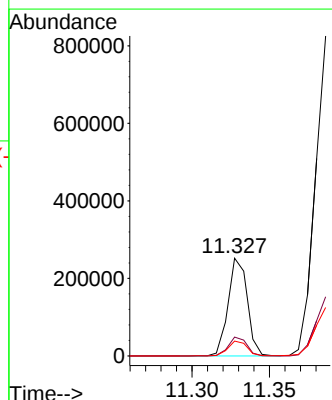
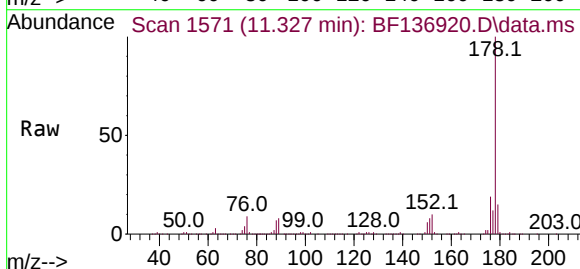
Instrument :
BNA_F
ClientSampleId :
GHL-SS-31

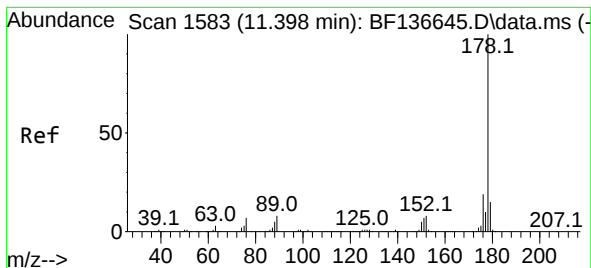
Tgt Ion:248 Resp: 6511
Ion Ratio Lower Upper
248 100
250 199.3 77.8 116.6#
141 510.5 59.2 88.8#



#71
Phenanthrene
Concen: 24.855 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

Tgt Ion:178 Resp: 217142
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.3 11.9 17.9





#72

Anthracene

Concen: 81.277 ng

RT: 11.386 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136920.D

Acq: 03 Jan 2024 21:54

Instrument :

BNA_F

ClientSampleId :

GHL-SS-31

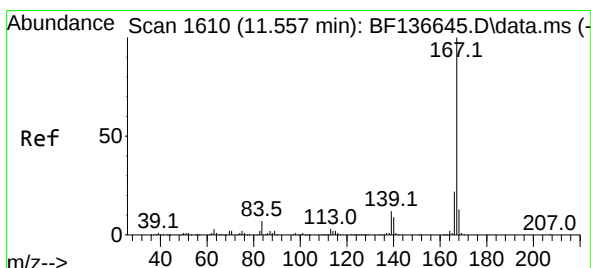
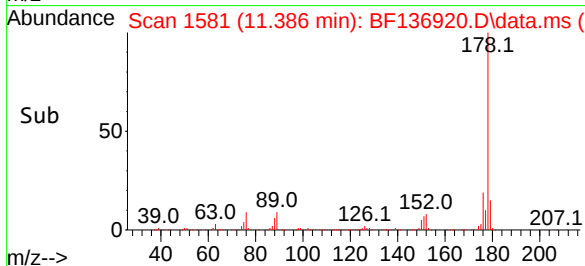
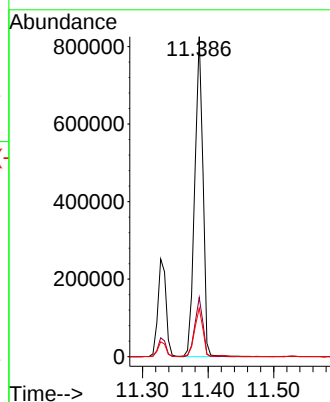
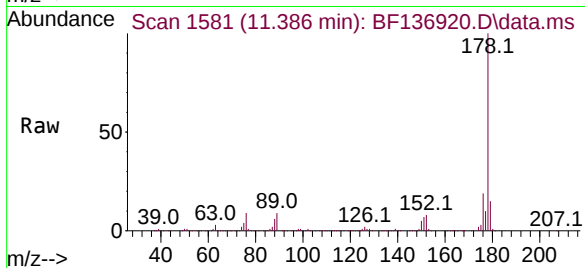
Tgt Ion:178 Resp: 719113

Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

179 15.2 11.8 17.6



#73

Carbazole

Concen: 28.524 ng

RT: 11.545 min Scan# 1608

Delta R.T. -0.012 min

Lab File: BF136920.D

Acq: 03 Jan 2024 21:54

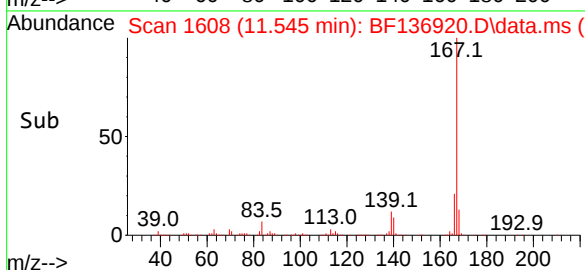
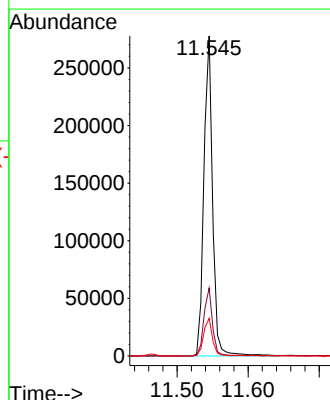
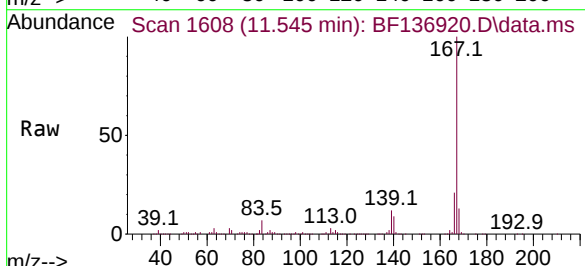
Tgt Ion:167 Resp: 237936

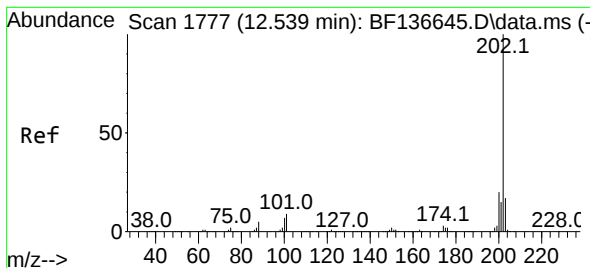
Ion Ratio Lower Upper

167 100

166 21.2 17.3 25.9

139 11.8 9.8 14.6





#75

Fluoranthene

Concen: 10.867 ng

RT: 12.522 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF136920.D

Acq: 03 Jan 2024 21:54

Instrument :

BNA_F

ClientSampleId :

GHL-SS-31

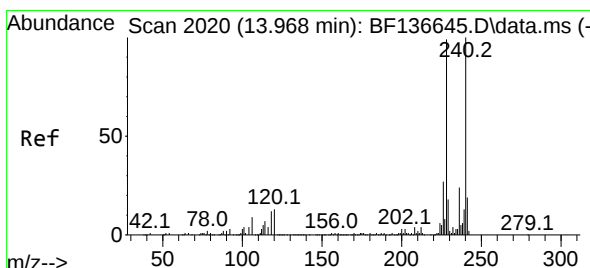
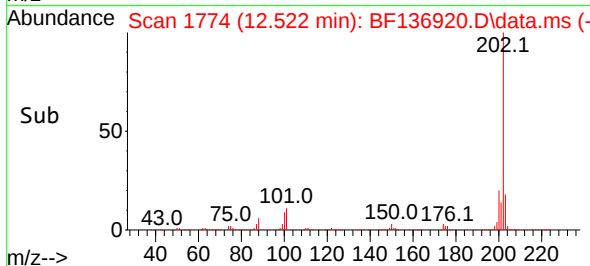
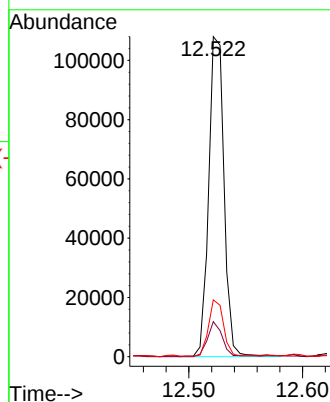
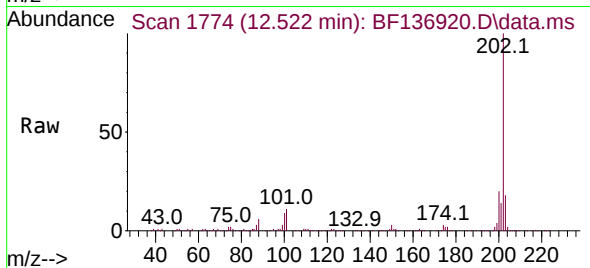
Tgt Ion:202 Resp: 101550

Ion Ratio Lower Upper

202 100

101 11.0 0.0 29.3

203 17.8 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: BF136920.D

Acq: 03 Jan 2024 21:54

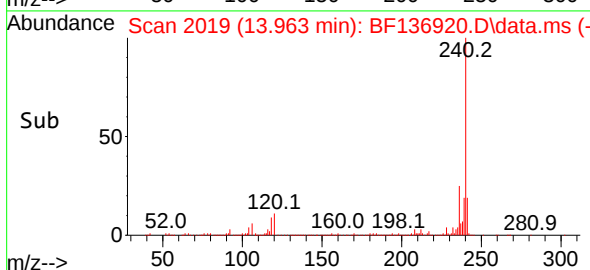
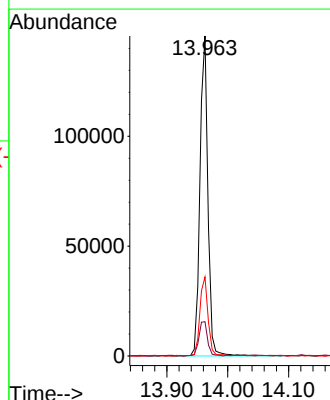
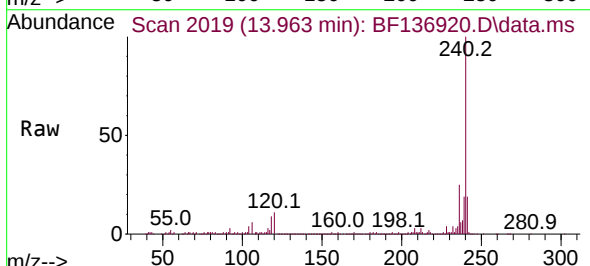
Tgt Ion:240 Resp: 131995

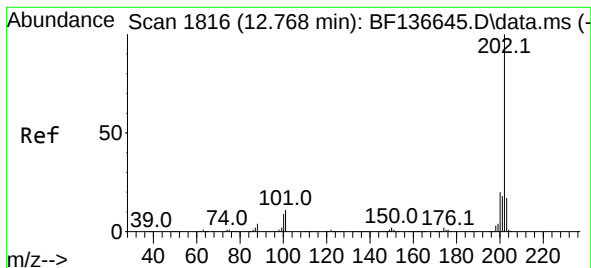
Ion Ratio Lower Upper

240 100

120 10.7 10.3 15.5

236 24.7 19.4 29.2





#78

Pyrene

Concen: 5.754 ng

RT: 12.751 min Scan# 1813

Delta R.T. -0.018 min

Lab File: BF136920.D

Acq: 03 Jan 2024 21:54

Instrument :

BNA_F

ClientSampleId :

GHL-SS-31

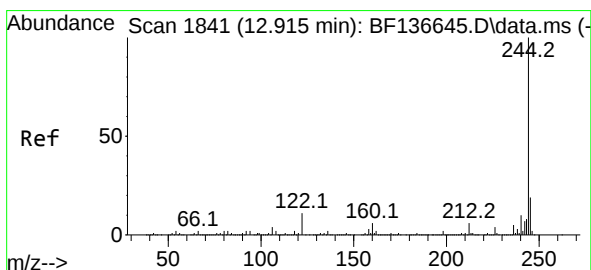
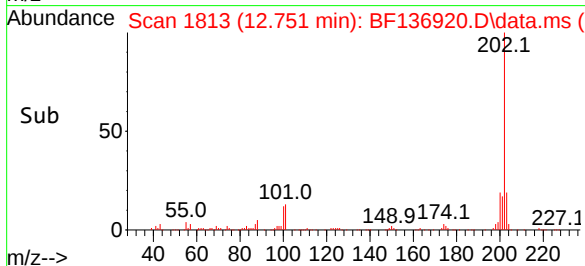
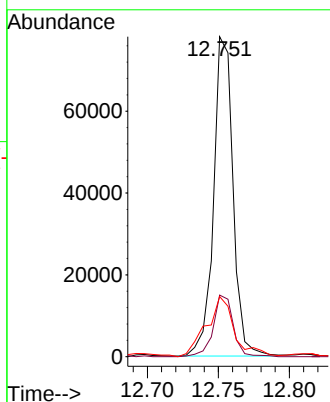
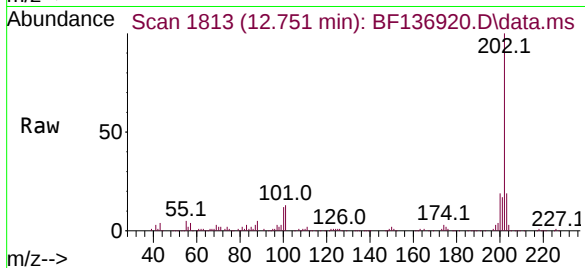
Tgt Ion:202 Resp: 74558

Ion Ratio Lower Upper

202 100

200 19.2 15.9 23.9

203 18.8 13.8 20.6



#79

Terphenyl-d14

Concen: 48.578 ng

RT: 12.898 min Scan# 1838

Delta R.T. -0.018 min

Lab File: BF136920.D

Acq: 03 Jan 2024 21:54

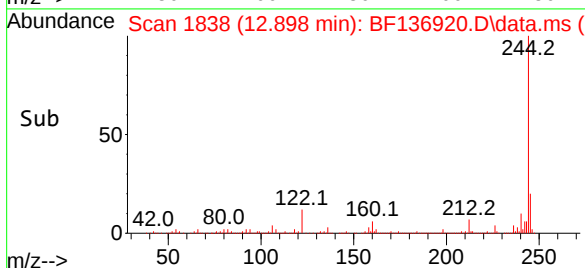
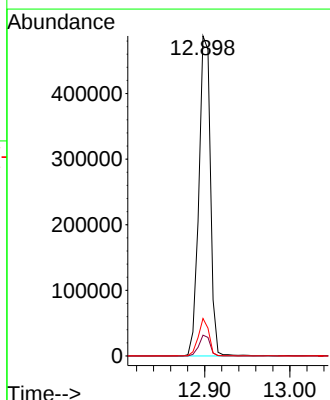
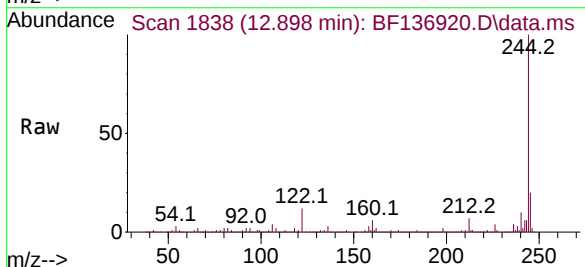
Tgt Ion:244 Resp: 458838

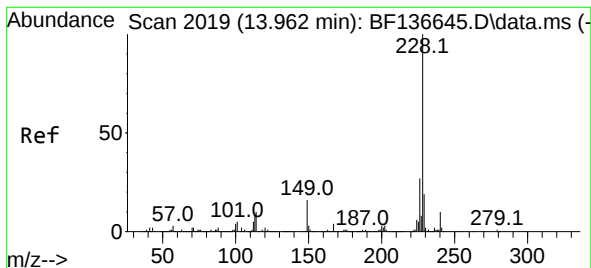
Ion Ratio Lower Upper

244 100

212 6.5 5.0 7.4

122 11.7 9.0 13.4





#81

Benzo(a)anthracene

Concen: 3.288 ng

RT: 13.951 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF136920.D

Acq: 03 Jan 2024 21:54

Instrument :

BNA_F

ClientSampleId :

GHL-SS-31

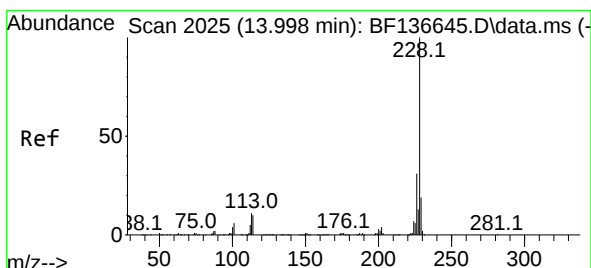
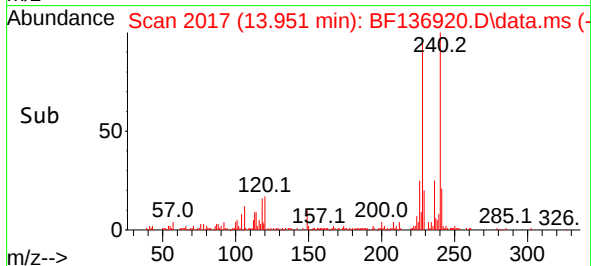
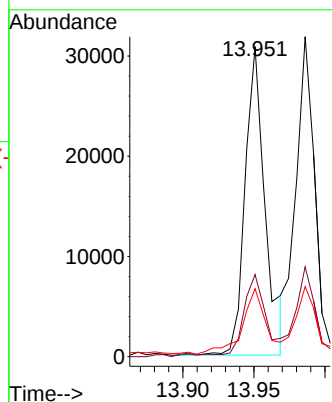
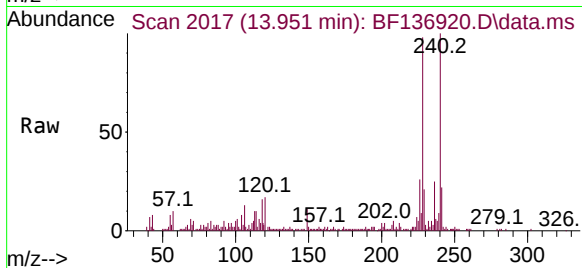
Tgt Ion:228 Resp: 30139

Ion Ratio Lower Upper

228 100

226 26.5 21.4 32.0

229 21.9 14.9 22.3



#83

Chrysene

Concen: 3.313 ng

RT: 13.986 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF136920.D

Acq: 03 Jan 2024 21:54

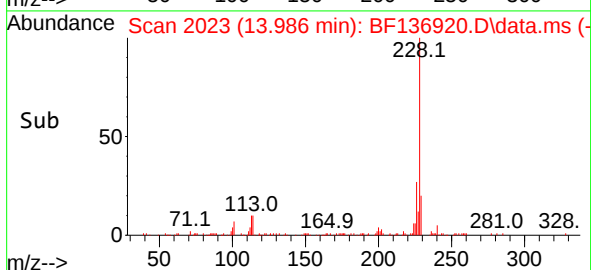
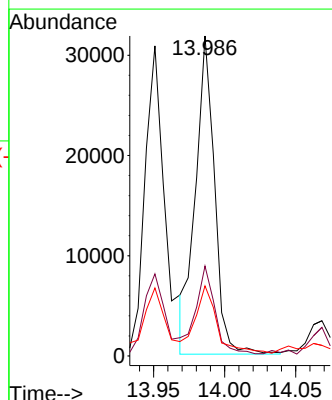
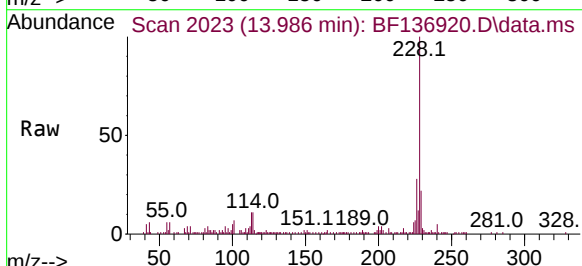
Tgt Ion:228 Resp: 29692

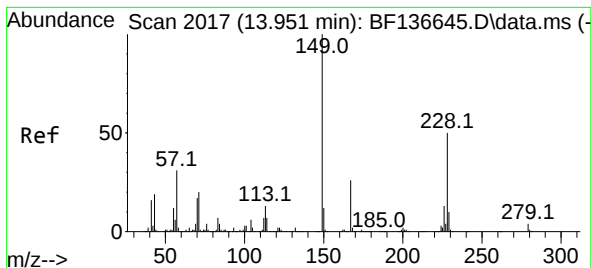
Ion Ratio Lower Upper

228 100

226 28.1 24.7 37.1

229 21.9 15.4 23.0

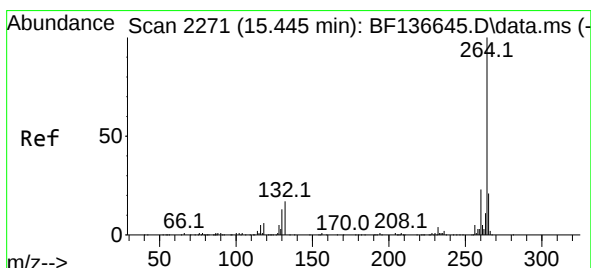
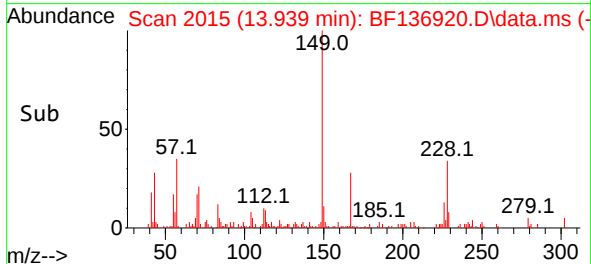
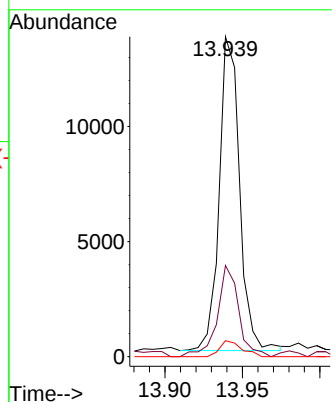
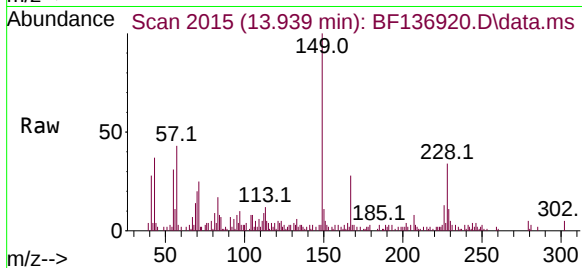




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.101 ng
 RT: 13.939 min Scan# 2015
 Delta R.T. -0.012 min
 Lab File: BF136920.D
 Acq: 03 Jan 2024 21:54

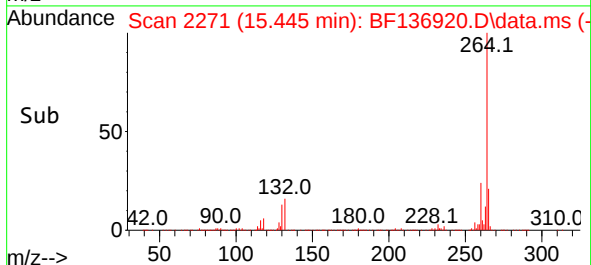
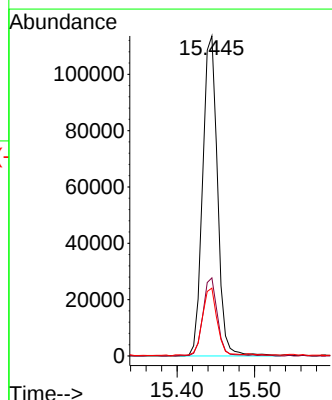
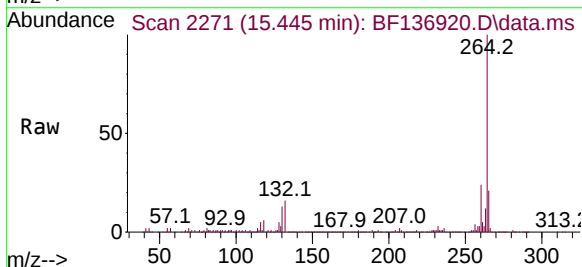
Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-31

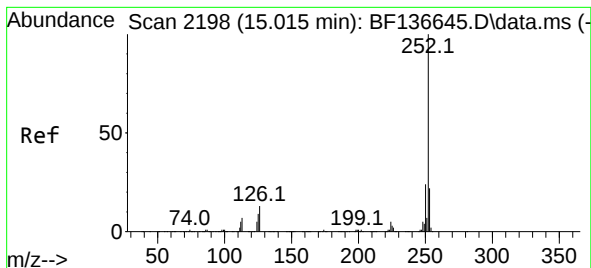
Tgt Ion:149 Resp: 12465
 Ion Ratio Lower Upper
 149 100
 167 28.5 20.9 31.3
 279 5.0 2.9 4.3#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.445 min Scan# 2271
 Delta R.T. 0.000 min
 Lab File: BF136920.D
 Acq: 03 Jan 2024 21:54

Tgt Ion:264 Resp: 151115
 Ion Ratio Lower Upper
 264 100
 260 24.4 18.3 27.5
 265 21.2 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 3.429 ng

RT: 15.010 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF136920.D

Acq: 03 Jan 2024 21:54

Instrument :

BNA_F

ClientSampleId :

GHL-SS-31

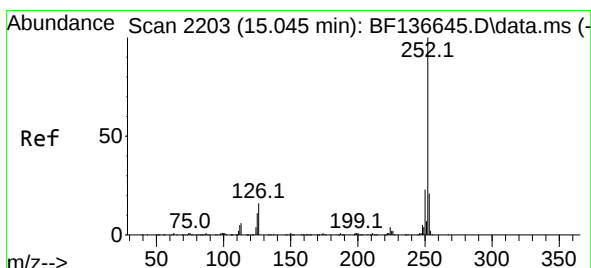
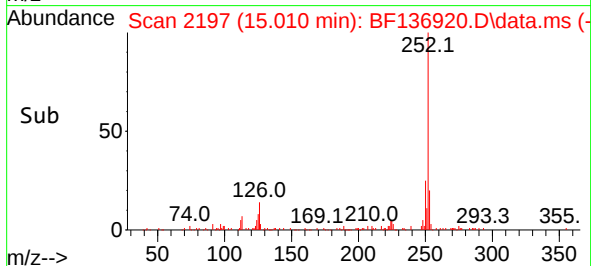
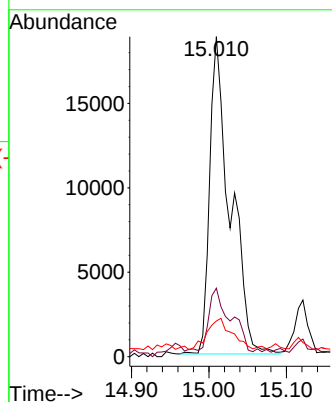
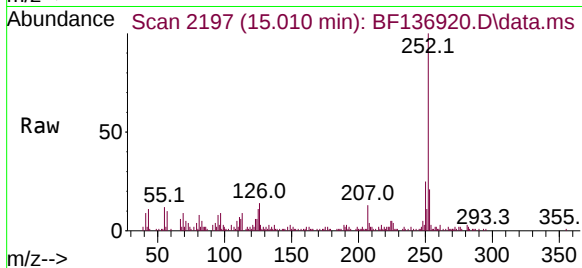
Tgt Ion:252 Resp: 34614

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.0

125 11.1 7.4 11.2



#89

Benzo(k)fluoranthene

Concen: 3.629 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.035 min

Lab File: BF136920.D

Acq: 03 Jan 2024 21:54

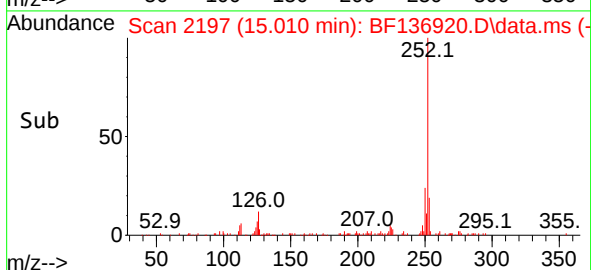
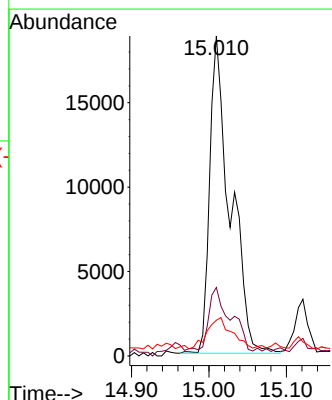
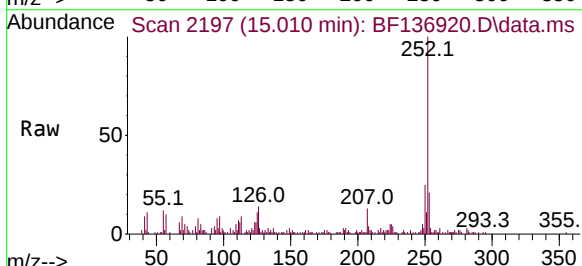
Tgt Ion:252 Resp: 34614

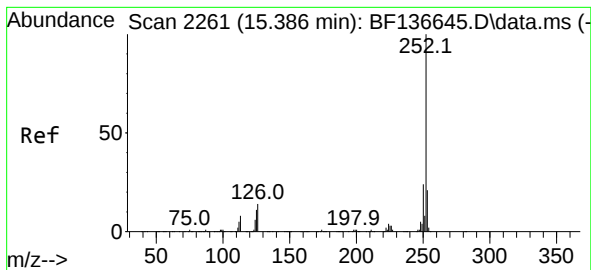
Ion Ratio Lower Upper

252 100

253 21.4 17.0 25.6

125 11.1 8.2 12.4





#90

Benzo(a)pyrene

Concen: 2.078 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136920.D

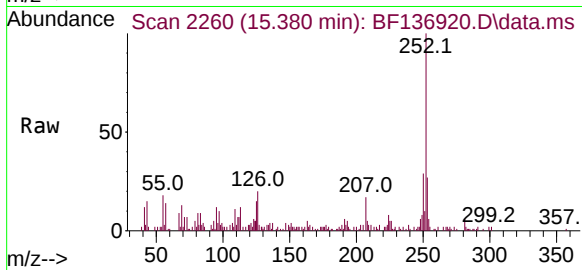
Acq: 03 Jan 2024 21:54

Instrument :

BNA_F

ClientSampleId :

GHL-SS-31



Tgt Ion:252 Resp: 17703

Ion Ratio Lower Upper

252 100

253 27.4 17.0 25.6#

125 14.7 8.8 13.2#

