

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010324\
 Data File : BF136922.D
 Acq On : 03 Jan 2024 22:57
 Operator : CG\JU
 Sample : 05899-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-08

Quant Time: Jan 04 03:43:32 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)

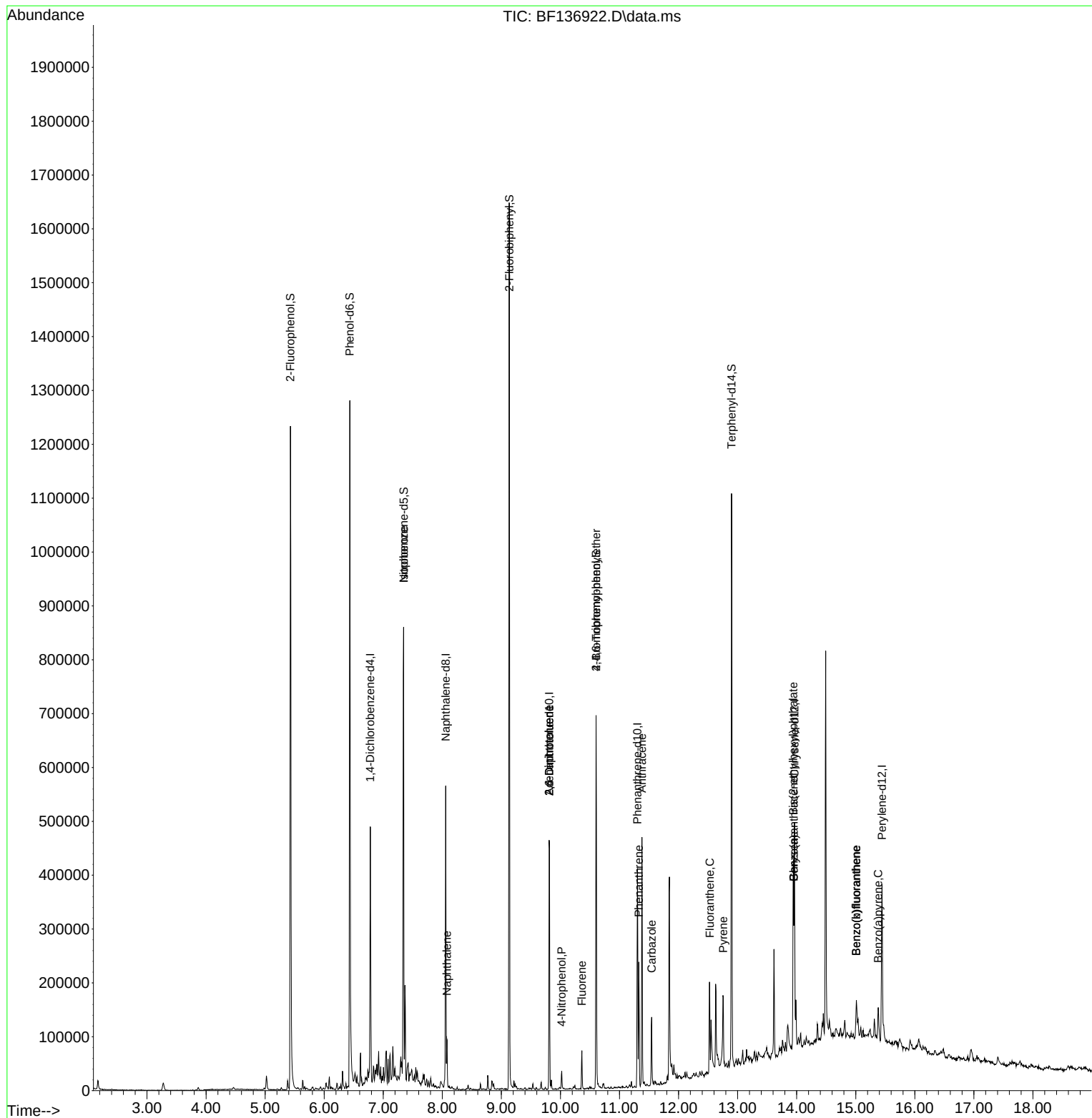
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	58178	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	210435	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	93036	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	140651	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	129186	20.000	ng	0.00
86) Perylene-d12	15.445	264	135120	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	353238	94.735	ng	0.00
7) Phenol-d6	6.434	99	423157	87.584	ng	0.00
23) Nitrobenzene-d5	7.345	82	254883	61.979	ng	-0.01
42) 2,4,6-Tribromophenol	10.604	330	83946	76.614	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	467098	67.527	ng	-0.02
79) Terphenyl-d14	12.898	244	377516	40.838	ng	-0.02
Target Compounds						Qvalue
25) Isophorone	7.345	82	254850	34.058	ng	# 65
31) Naphthalene	8.081	128	38371	3.319	ng	98
51) 2,6-Dinitrotoluene	9.810	165	12198	7.909	ng	# 30
56) 4-Nitrophenol	10.022	139	4196	3.805	ng	# 10
57) 2,4-Dinitrotoluene	9.810	165	12198	6.092	ng	# 21
58) Fluorene	10.363	166	18921	2.797	ng	# 98
67) 4-Bromophenyl-phenylether	10.604	248	4995	3.198	ng	# 1
71) Phenanthrene	11.327	178	75453	10.455	ng	98
72) Anthracene	11.380	178	164641	22.526	ng	99
73) Carbazole	11.545	167	55605	8.069	ng	99
75) Fluoranthene	12.527	202	74602	9.664	ng	99
78) Pyrene	12.757	202	56139	4.427	ng	97
81) Benzo(a)anthracene	13.951	228	34924	3.893	ng	96
83) Chrysene	13.951	228	34924	3.981	ng	93
84) Bis(2-ethylhexyl)phtha...	13.945	149	85450	14.718	ng	# 96
88) Benzo(b)fluoranthene	15.010	252	54417	6.030	ng	# 96
89) Benzo(k)fluoranthene	15.010	252	54417	6.381	ng	97
90) Benzo(a)pyrene	15.380	252	26414	3.467	ng	# 90

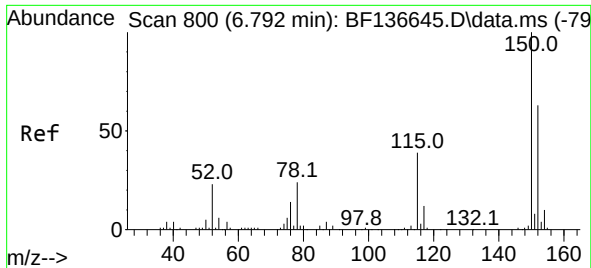
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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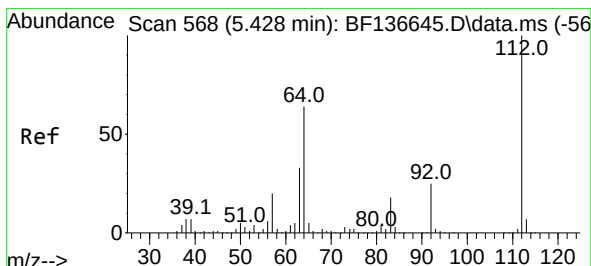
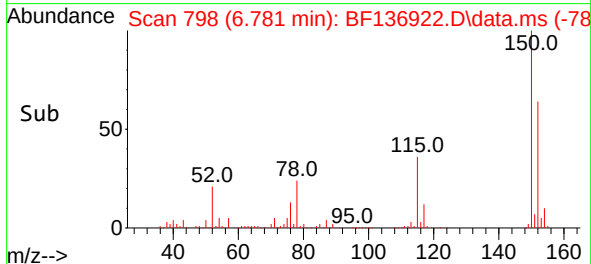
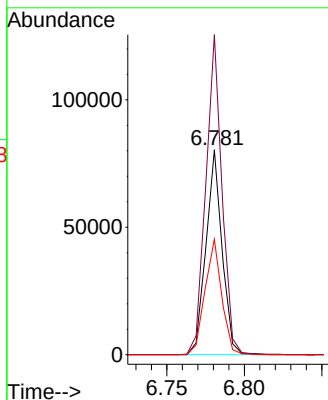
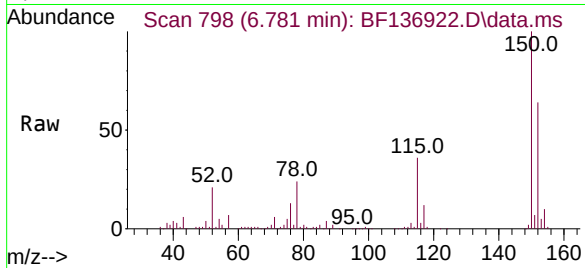




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF136922.D
 Acq: 03 Jan 2024 22:57

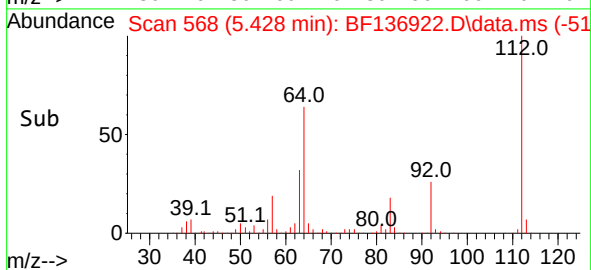
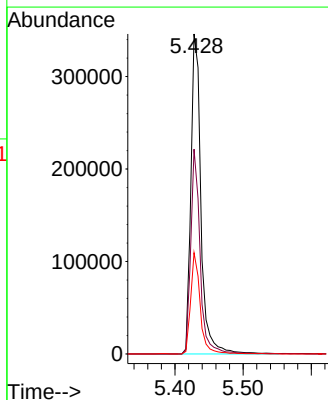
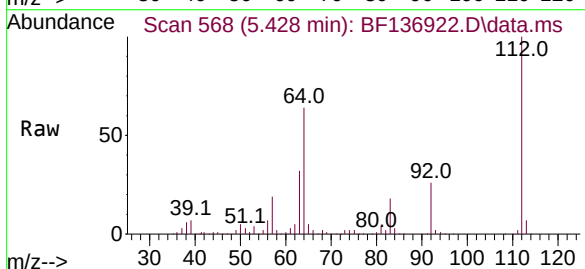
Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-08

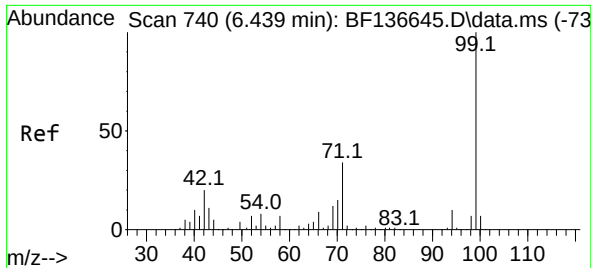
Tgt Ion:152 Resp: 58178
 Ion Ratio Lower Upper
 152 100
 150 156.1 127.0 190.6
 115 56.3 49.0 73.4



#5
 2-Fluorophenol
 Concen: 94.735 ng
 RT: 5.428 min Scan# 568
 Delta R.T. 0.000 min
 Lab File: BF136922.D
 Acq: 03 Jan 2024 22:57

Tgt Ion:112 Resp: 353238
 Ion Ratio Lower Upper
 112 100
 64 64.0 51.1 76.7
 63 31.7 26.1 39.1

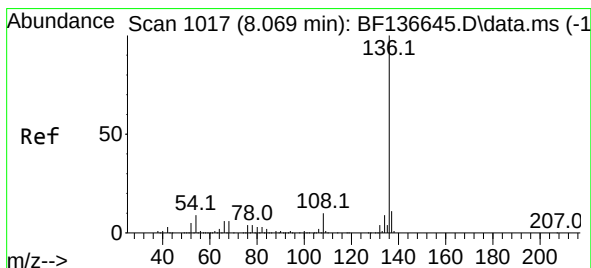
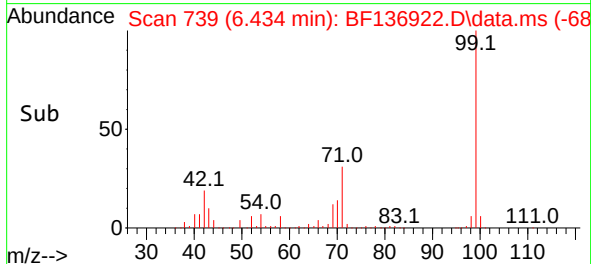
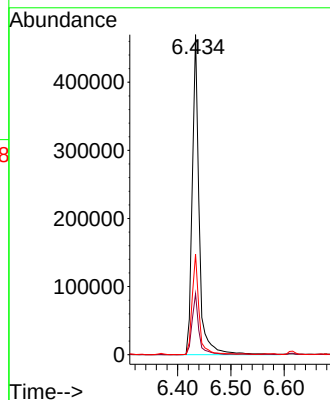
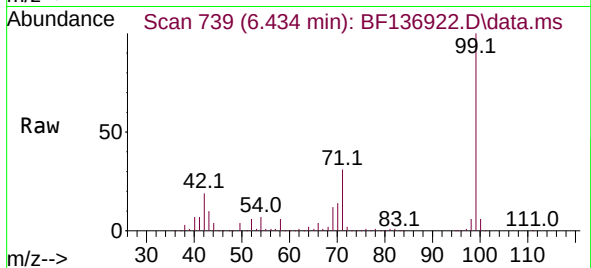




#7
Phenol-d6
Concen: 87.584 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

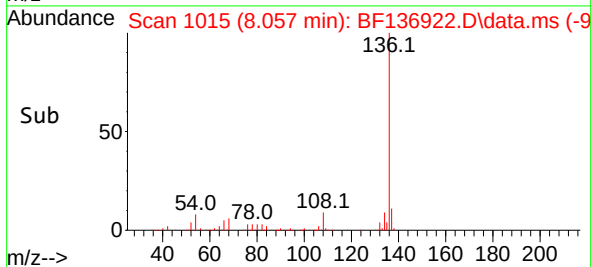
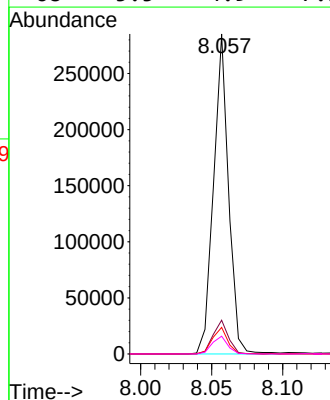
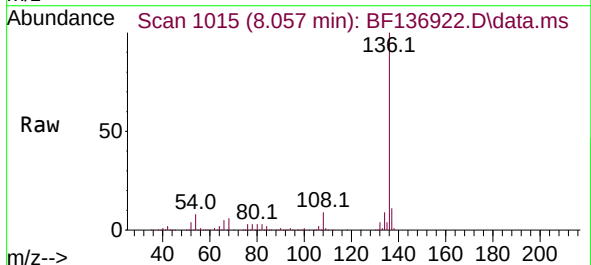
Instrument :
BNA_F
ClientSampleId :
GHL-SS-08

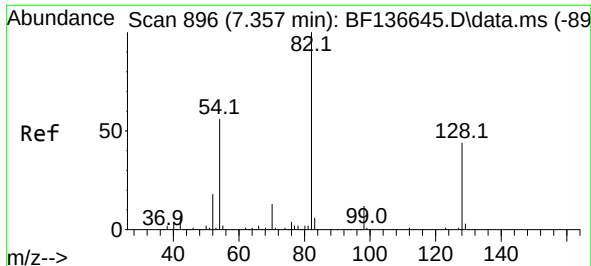
Tgt Ion: 99 Resp: 423157
Ion Ratio Lower Upper
99 100
42 19.0 16.1 24.1
71 31.4 27.4 41.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

Tgt Ion:136 Resp: 210435
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 8.3 7.2 10.8
68 5.5 4.9 7.3





#23

Nitrobenzene-d5

Concen: 61.979 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF136922.D

Acq: 03 Jan 2024 22:57

Instrument :

BNA_F

ClientSampleId :

GHL-SS-08

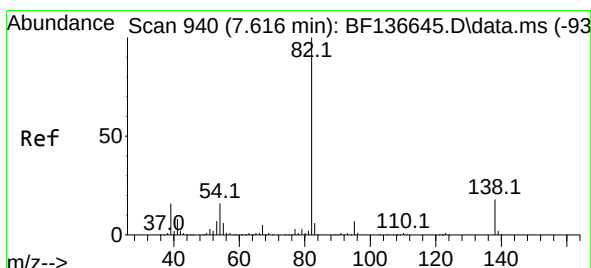
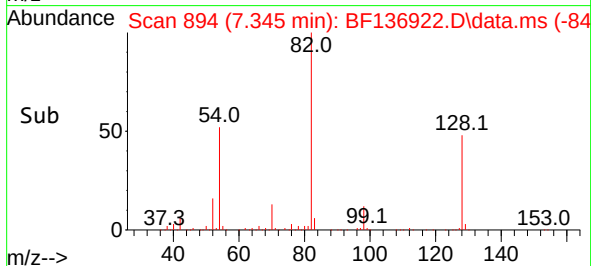
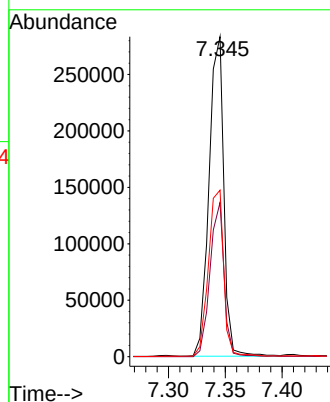
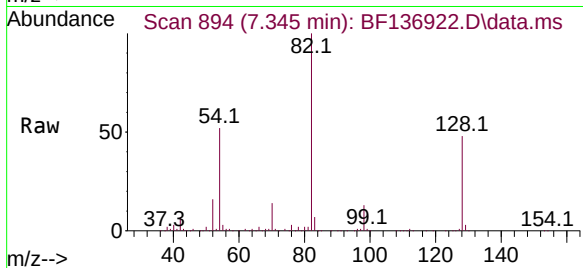
Tgt Ion: 82 Resp: 254883

Ion Ratio Lower Upper

82 100

128 48.2 35.3 52.9

54 52.1 44.5 66.7



#25

Isophorone

Concen: 34.058 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.270 min

Lab File: BF136922.D

Acq: 03 Jan 2024 22:57

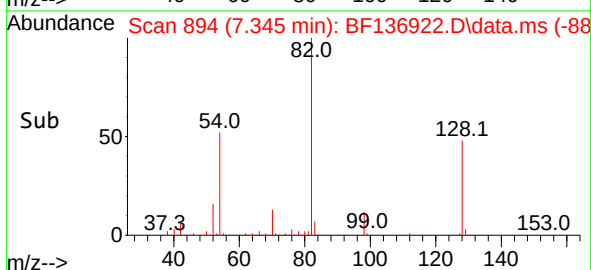
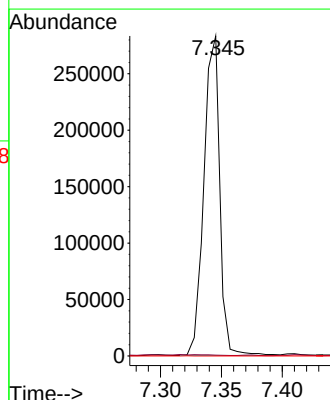
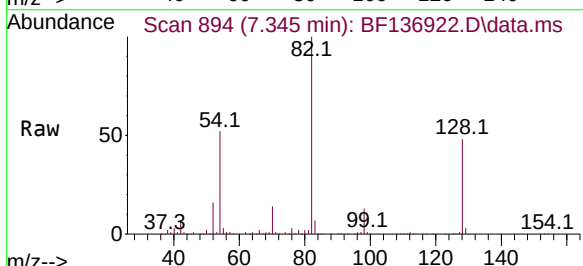
Tgt Ion: 82 Resp: 254850

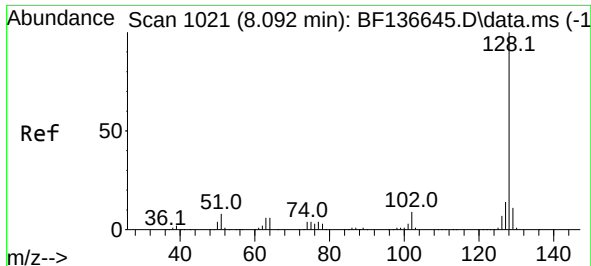
Ion Ratio Lower Upper

82 100

95 0.3 5.5 8.3#

138 0.0 14.5 21.7#

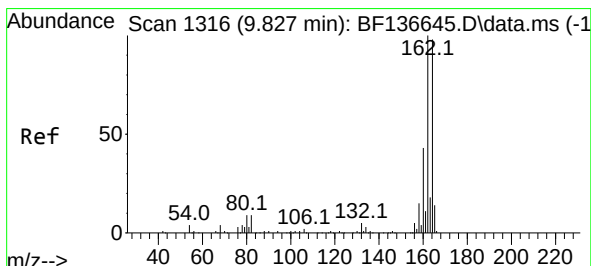
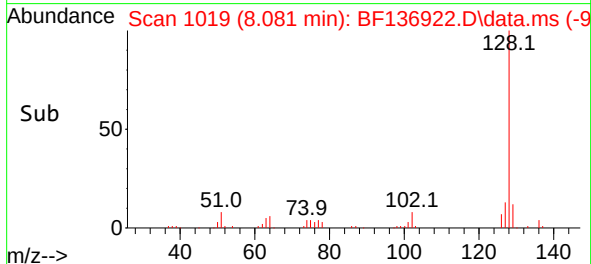
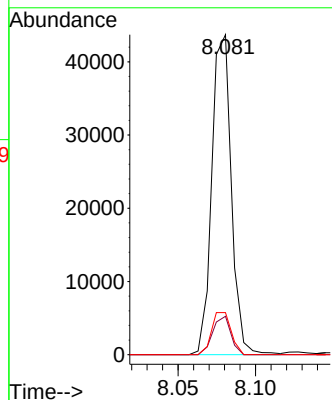
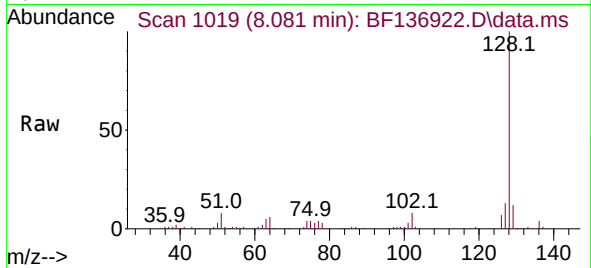




#31
Naphthalene
Concen: 3.319 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

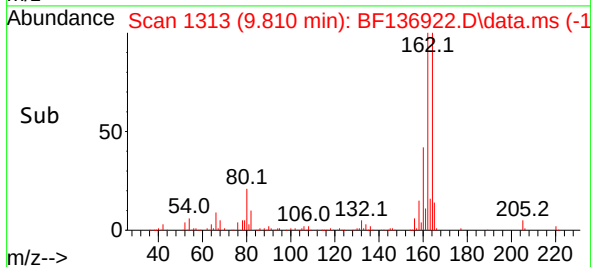
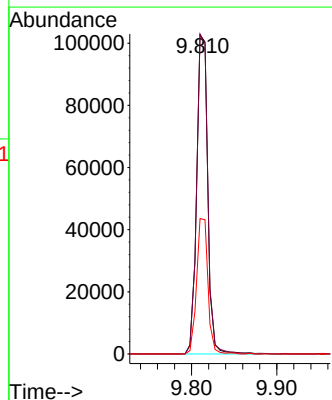
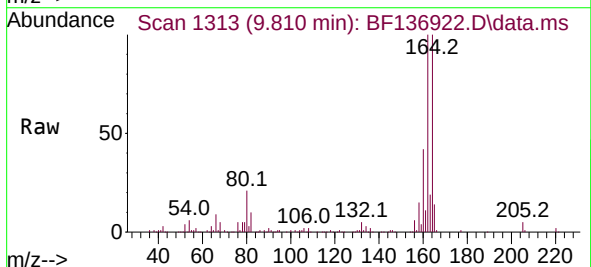
Instrument :
BNA_F
ClientSampleId :
GHL-SS-08

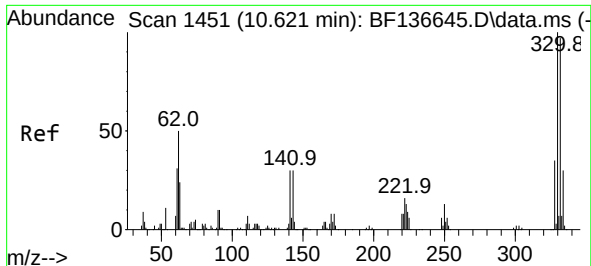
Tgt Ion:128 Resp: 38371
Ion Ratio Lower Upper
128 100
129 12.0 8.7 13.1
127 13.2 10.8 16.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

Tgt Ion:164 Resp: 93036
Ion Ratio Lower Upper
164 100
162 100.3 81.6 122.4
160 42.4 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 76.614 ng

RT: 10.604 min Scan# 1451

Delta R.T. -0.018 min

Lab File: BF136922.D

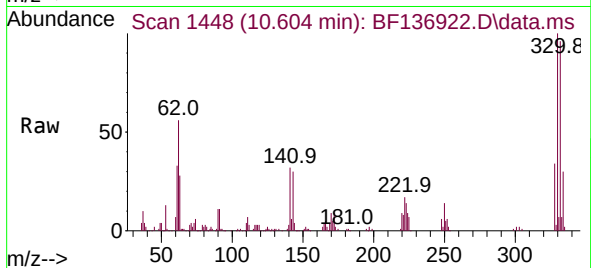
Acq: 03 Jan 2024 22:57

Instrument :

BNA_F

ClientSampleId :

GHL-SS-08



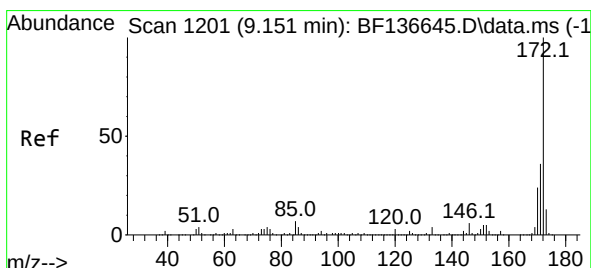
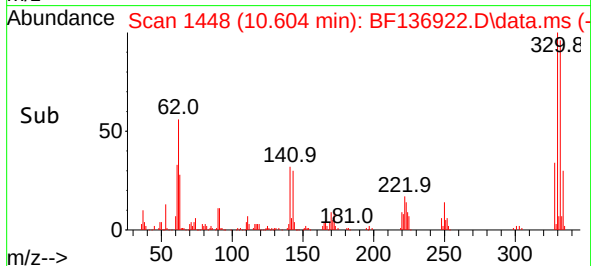
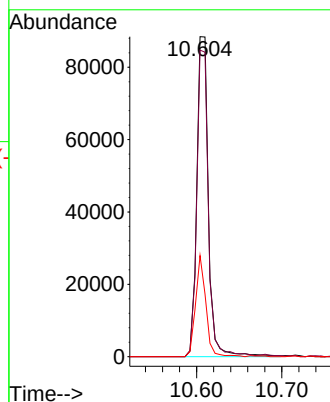
Tgt Ion:330 Resp: 83946

Ion Ratio Lower Upper

330 100

332 95.3 77.4 116.0

141 27.7 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 67.527 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136922.D

Acq: 03 Jan 2024 22:57

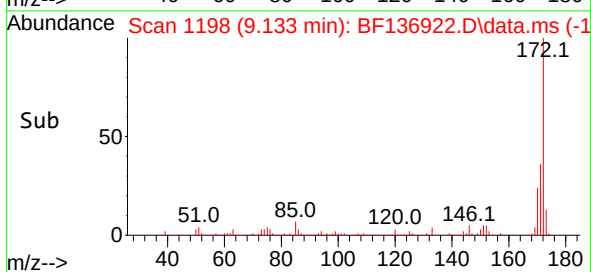
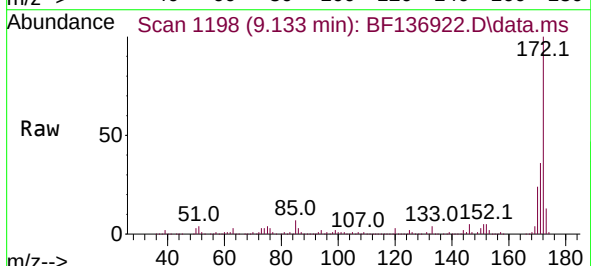
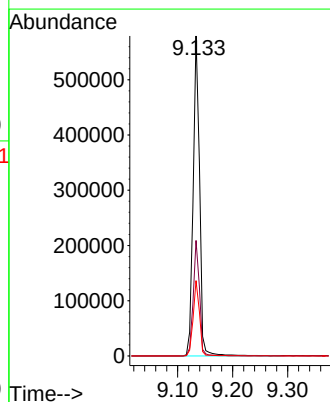
Tgt Ion:172 Resp: 467098

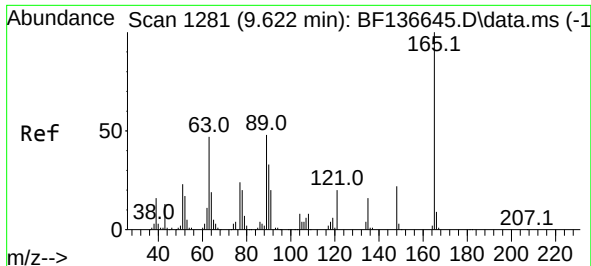
Ion Ratio Lower Upper

172 100

171 36.1 29.0 43.6

170 23.6 19.0 28.4

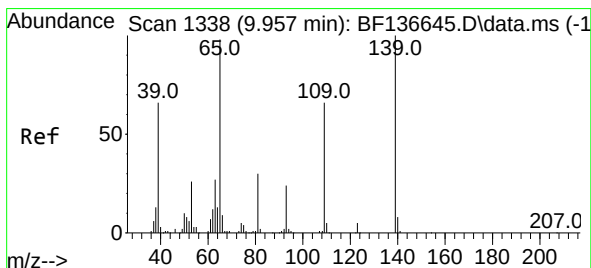
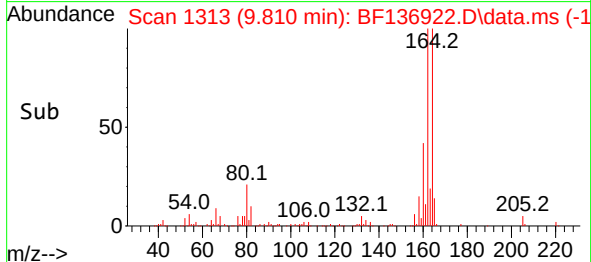
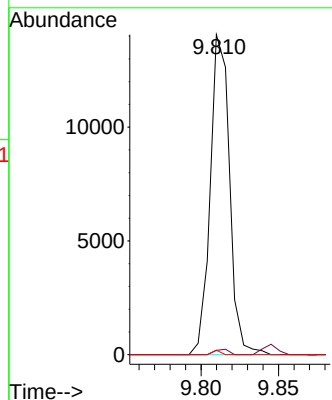
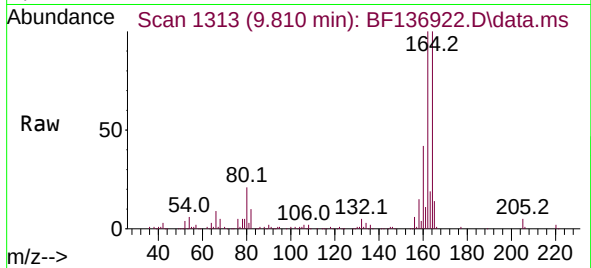




#51
2,6-Dinitrotoluene
Concen: 7.909 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

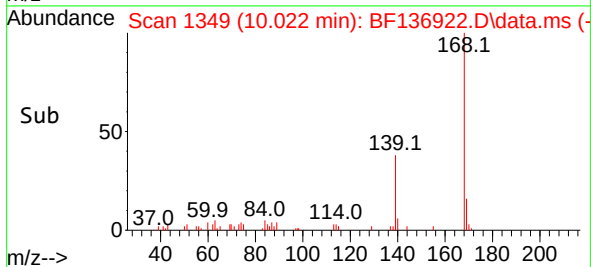
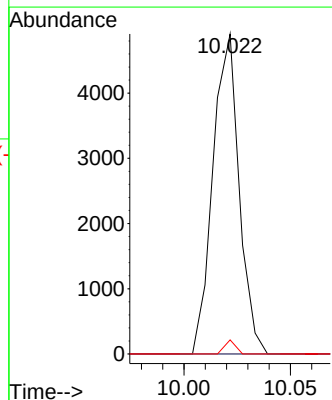
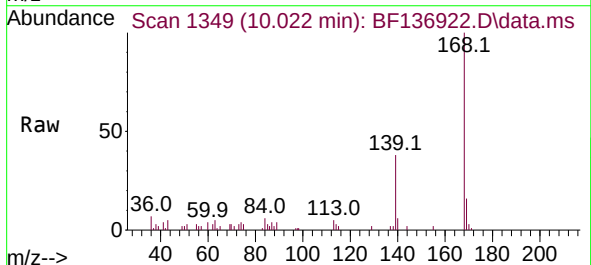
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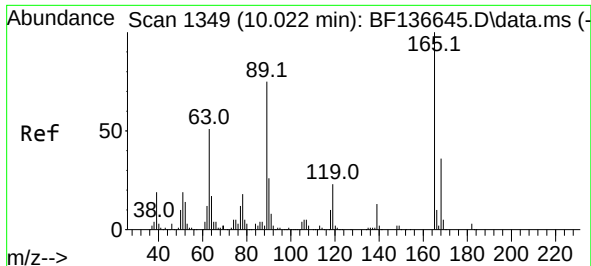
Tgt Ion:165 Resp: 12198
Ion Ratio Lower Upper
165 100
63 1.3 39.8 59.6#
89 1.4 38.8 58.2#



#56
4-Nitrophenol
Concen: 3.805 ng
RT: 10.022 min Scan# 1349
Delta R.T. 0.065 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

Tgt Ion:139 Resp: 4196
Ion Ratio Lower Upper
139 100
109 0.0 45.8 85.8#
65 4.4 77.8 117.8#

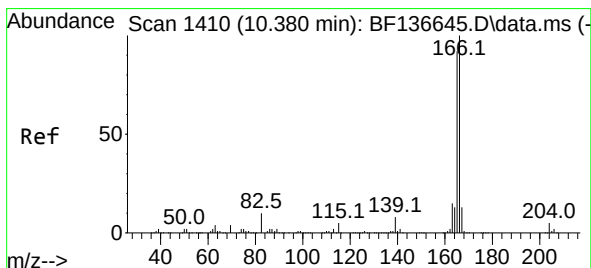
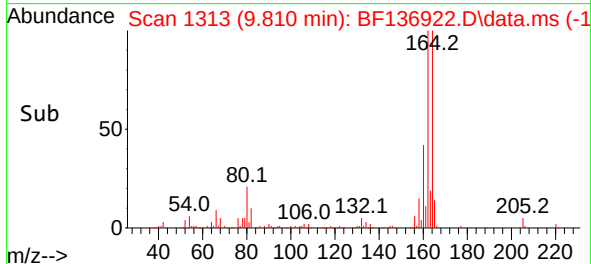
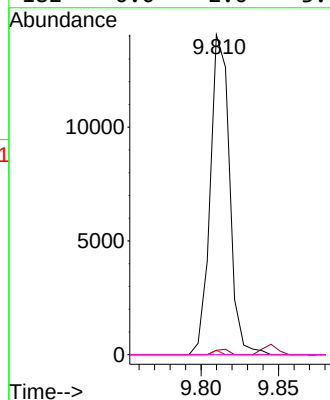
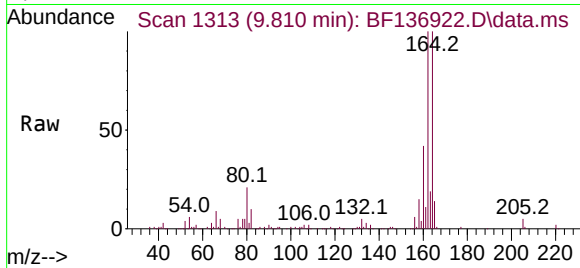




#57
2,4-Dinitrotoluene
Concen: 6.092 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

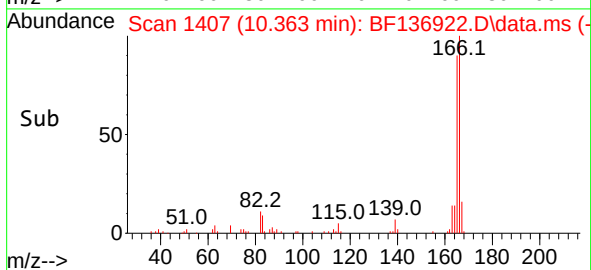
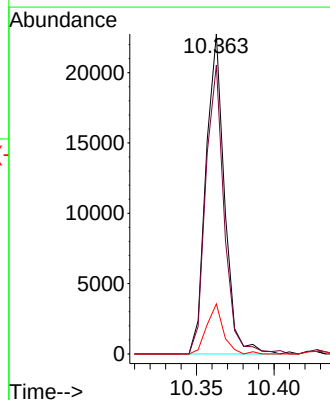
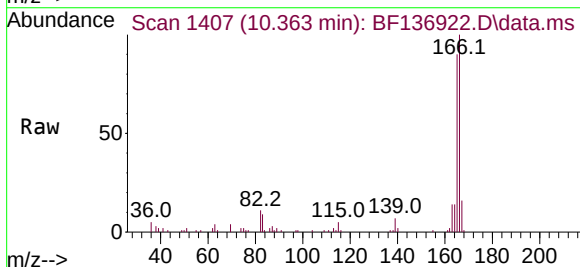
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BNA_F
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GHL-SS-08

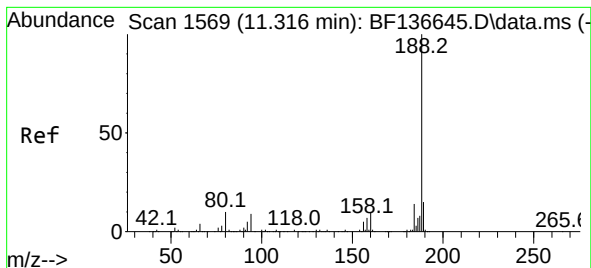
Tgt Ion:165 Resp: 12198
Ion Ratio Lower Upper
165 100
63 1.3 41.0 61.6#
89 1.4 59.9 89.9#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 2.797 ng
RT: 10.363 min Scan# 1407
Delta R.T. -0.018 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

Tgt Ion:166 Resp: 18921
Ion Ratio Lower Upper
166 100
165 90.3 73.7 110.5
167 15.6 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: BF136922.D

Acq: 03 Jan 2024 22:57

Instrument :

BNA_F

ClientSampleId :

GHL-SS-08

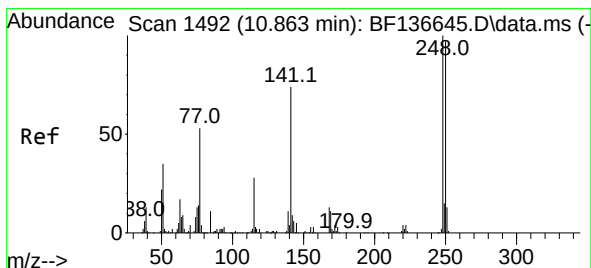
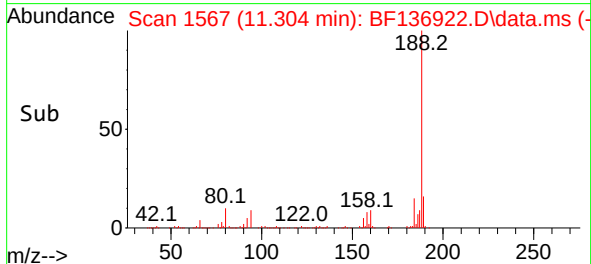
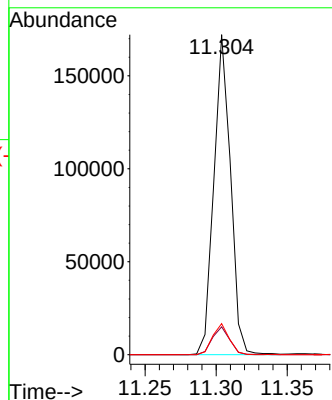
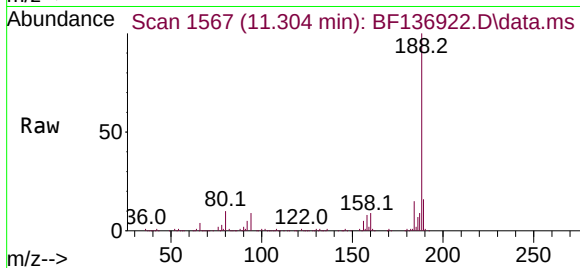
Tgt Ion:188 Resp: 140651

Ion Ratio Lower Upper

188 100

94 8.7 7.5 11.3

80 9.7 8.1 12.1



#67

4-Bromophenyl-phenylether

Concen: 3.198 ng

RT: 10.604 min Scan# 1448

Delta R.T. -0.259 min

Lab File: BF136922.D

Acq: 03 Jan 2024 22:57

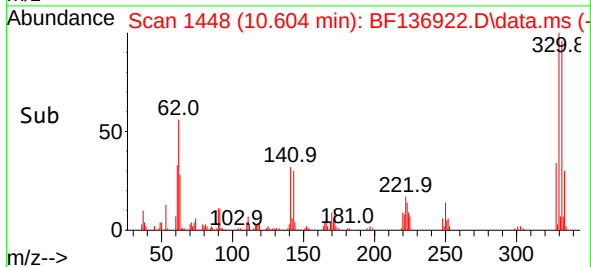
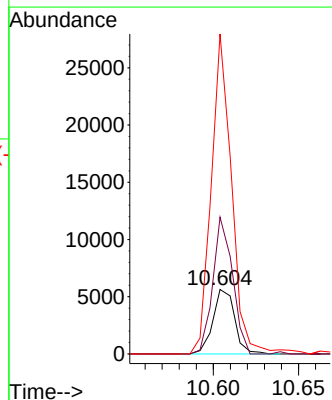
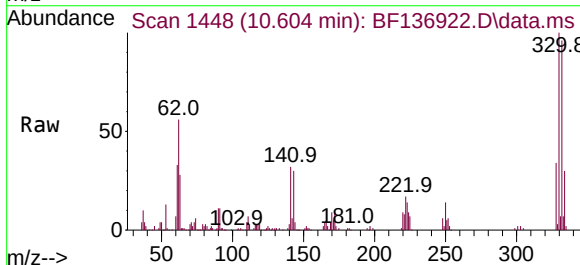
Tgt Ion:248 Resp: 4995

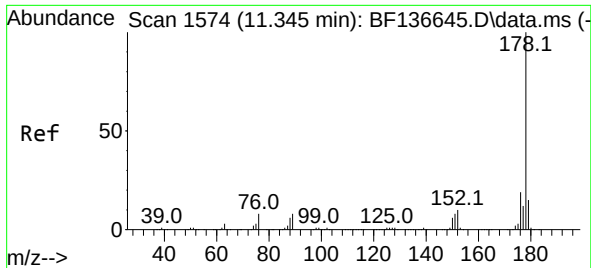
Ion Ratio Lower Upper

248 100

250 212.3 77.8 116.6#

141 496.5 59.2 88.8#

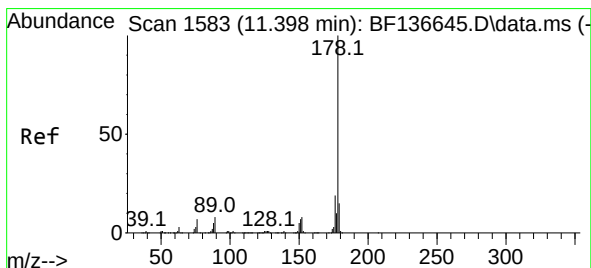
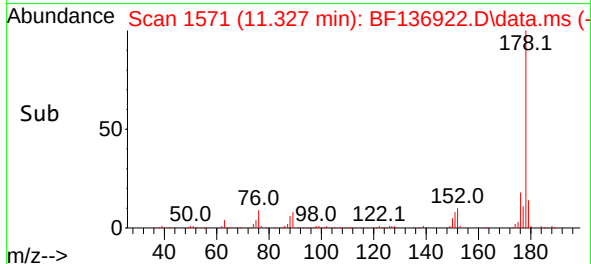
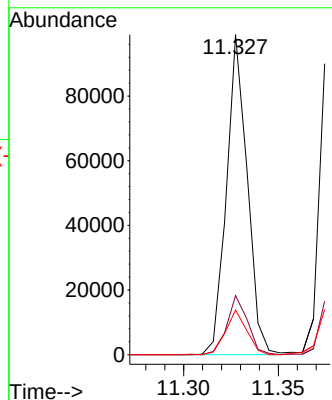
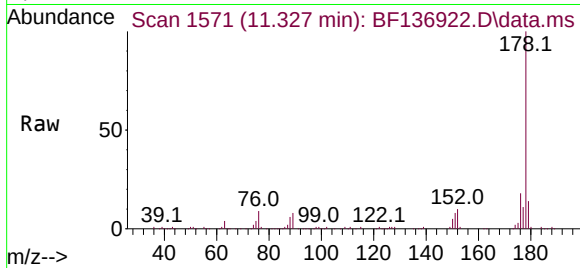




#71
Phenanthrene
Concen: 10.455 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

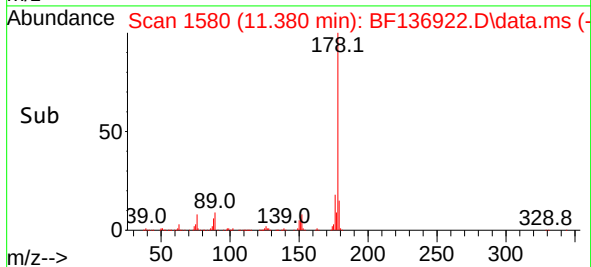
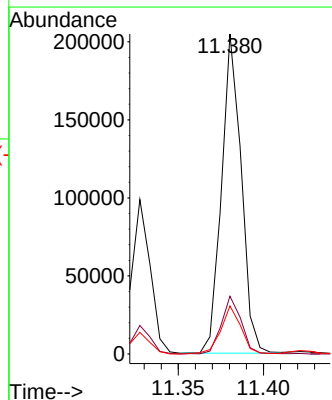
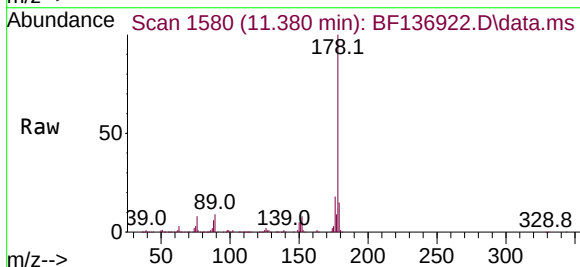
Instrument :
BNA_F
ClientSampleId :
GHL-SS-08

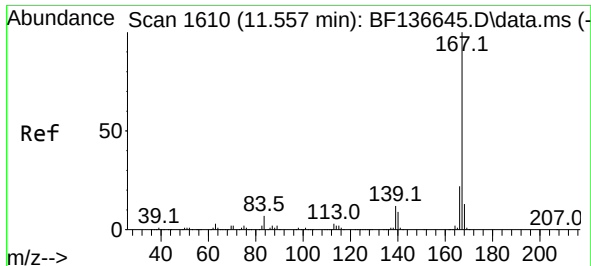
Tgt Ion:178 Resp: 75453
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 14.0 11.9 17.9



#72
Anthracene
Concen: 22.526 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.018 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

Tgt Ion:178 Resp: 164641
Ion Ratio Lower Upper
178 100
176 18.1 14.9 22.3
179 15.0 11.8 17.6

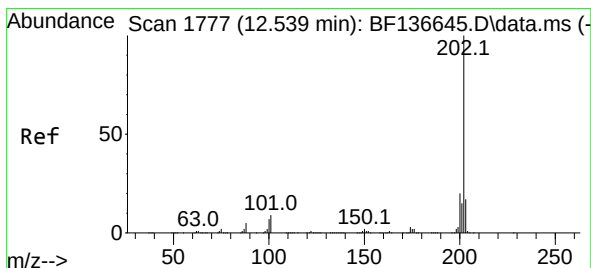
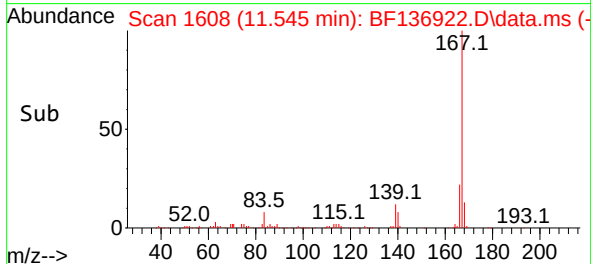
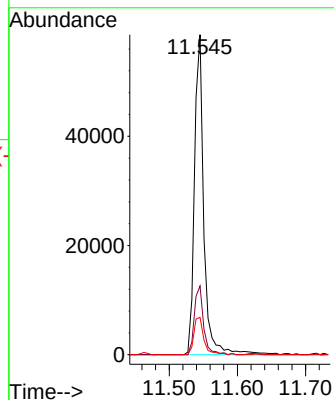
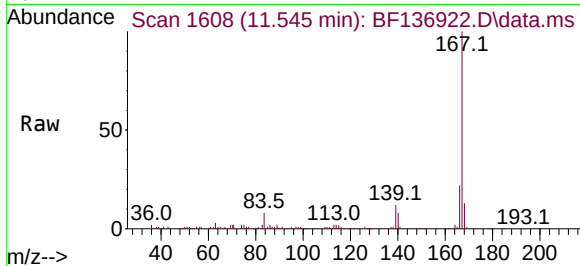




#73
 Carbazole
 Concen: 8.069 ng
 RT: 11.545 min Scan# 1
 Delta R.T. -0.012 min
 Lab File: BF136922.D
 Acq: 03 Jan 2024 22:57

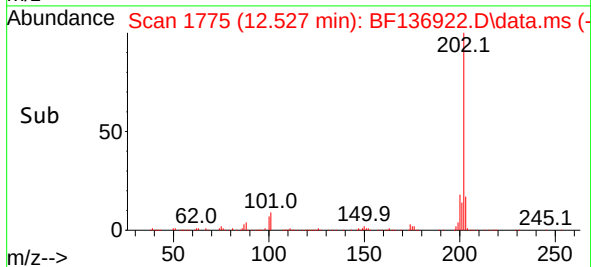
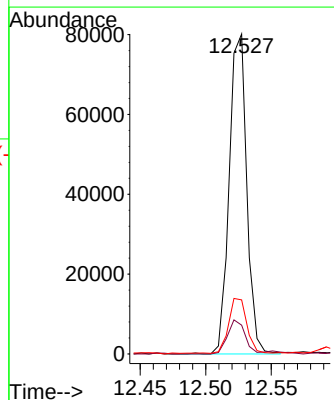
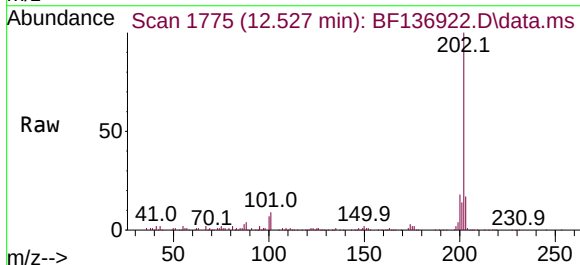
Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-08

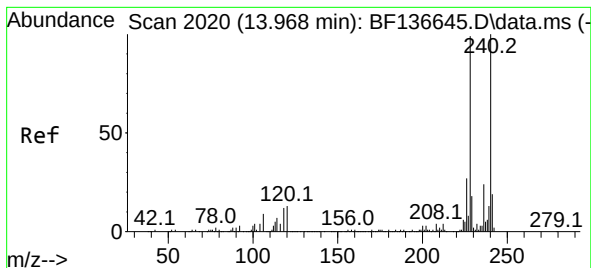
Tgt Ion:167 Resp: 55605
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.3 25.9
 139 11.6 9.8 14.6



#75
 Fluoranthene
 Concen: 9.664 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. -0.012 min
 Lab File: BF136922.D
 Acq: 03 Jan 2024 22:57

Tgt Ion:202 Resp: 74602
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 29.3
 203 16.9 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: BF136922.D

Acq: 03 Jan 2024 22:57

Instrument :

BNA_F

ClientSampleId :

GHL-SS-08

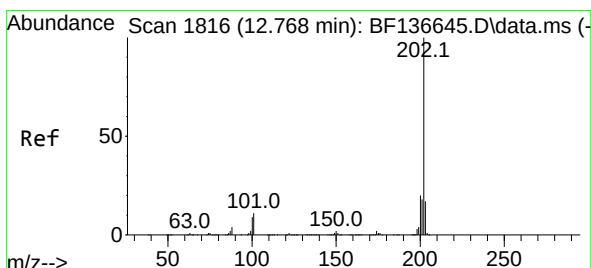
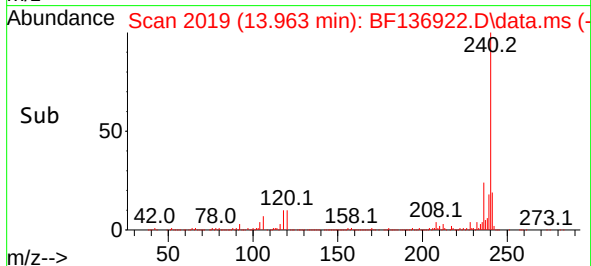
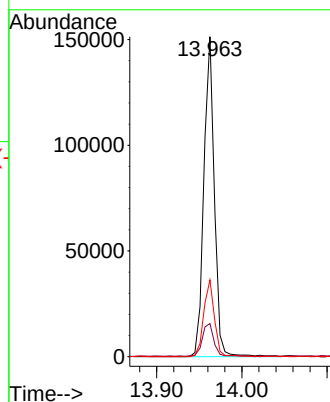
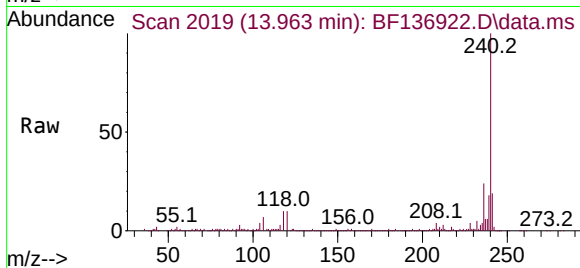
Tgt Ion:240 Resp: 129186

Ion Ratio Lower Upper

240 100

120 10.3 10.3 15.5

236 24.0 19.4 29.2



#78

Pyrene

Concen: 4.427 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136922.D

Acq: 03 Jan 2024 22:57

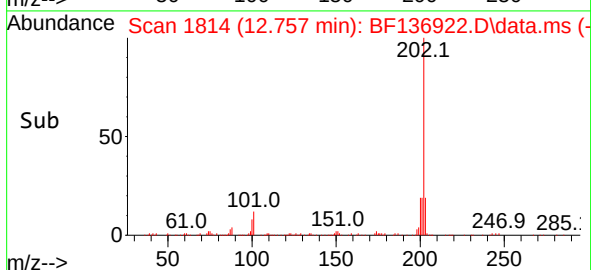
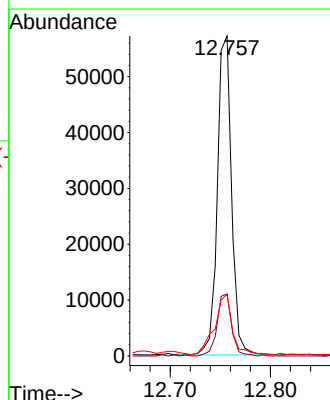
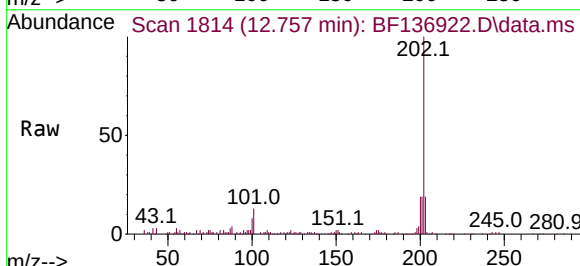
Tgt Ion:202 Resp: 56139

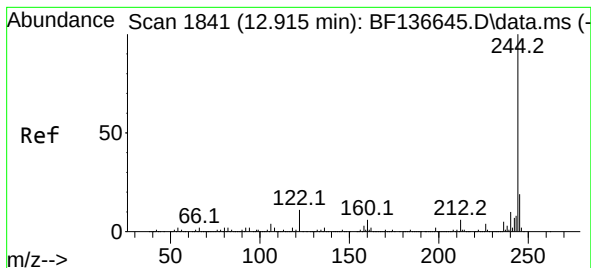
Ion Ratio Lower Upper

202 100

200 19.4 15.9 23.9

203 19.3 13.8 20.6





#79

Terphenyl-d14

Concen: 40.838 ng

RT: 12.898 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF136922.D

Acq: 03 Jan 2024 22:57

Instrument :

BNA_F

ClientSampleId :

GHL-SS-08

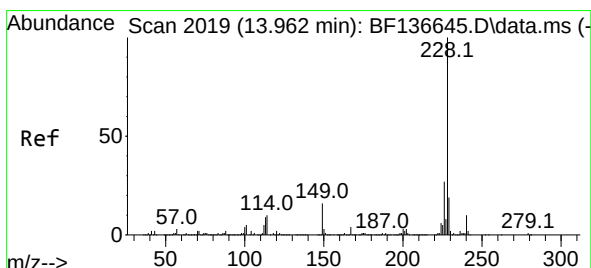
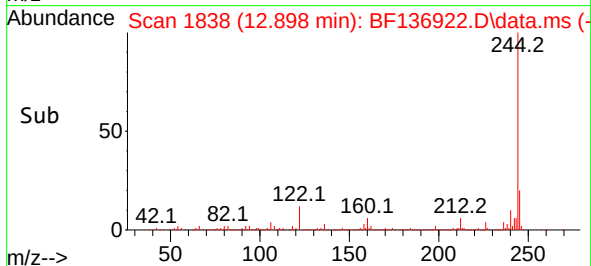
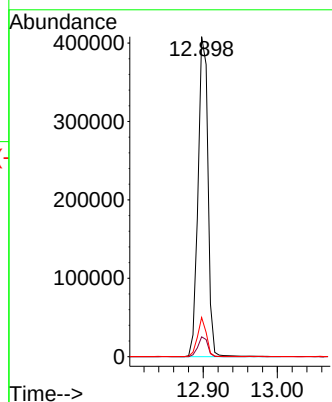
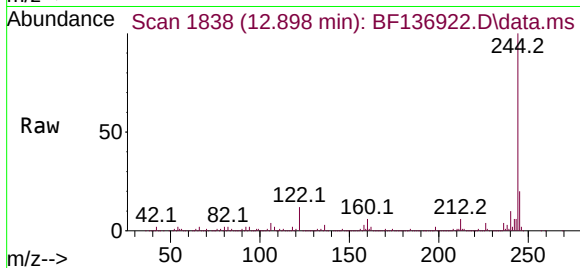
Tgt Ion:244 Resp: 377516

Ion Ratio Lower Upper

244 100

212 6.2 5.0 7.4

122 12.3 9.0 13.4



#81

Benzo(a)anthracene

Concen: 3.893 ng

RT: 13.951 min Scan# 2017

Delta R.T. -0.012 min

Lab File: BF136922.D

Acq: 03 Jan 2024 22:57

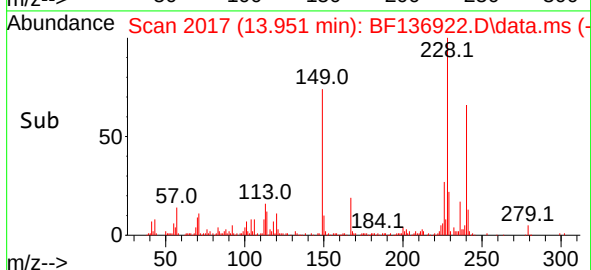
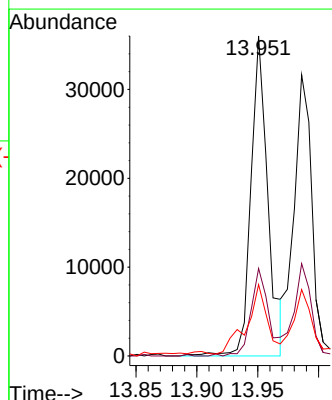
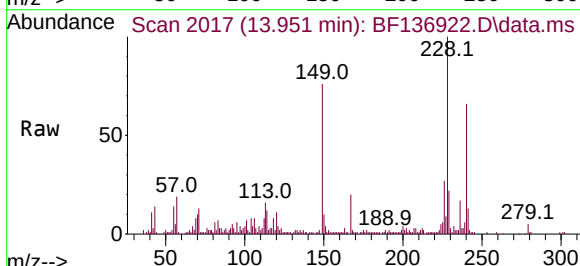
Tgt Ion:228 Resp: 34924

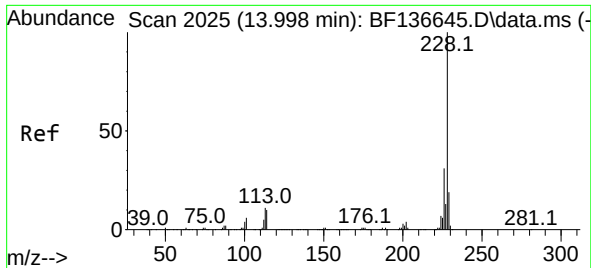
Ion Ratio Lower Upper

228 100

226 27.4 21.4 32.0

229 22.3 14.9 22.3





#83

Chrysene

Concen: 3.981 ng

RT: 13.951 min Scan# 2017

Delta R.T. -0.047 min

Lab File: BF136922.D

Acq: 03 Jan 2024 22:57

Instrument :

BNA_F

ClientSampleId :

GHL-SS-08

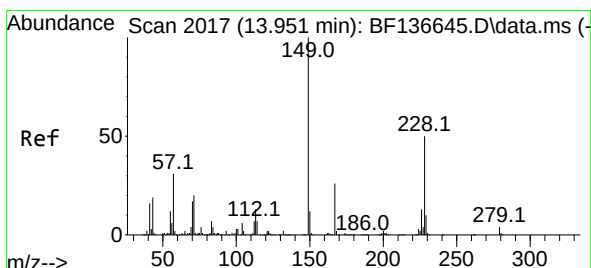
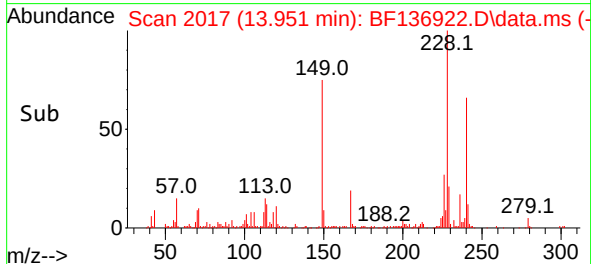
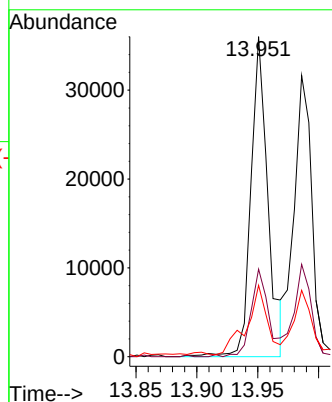
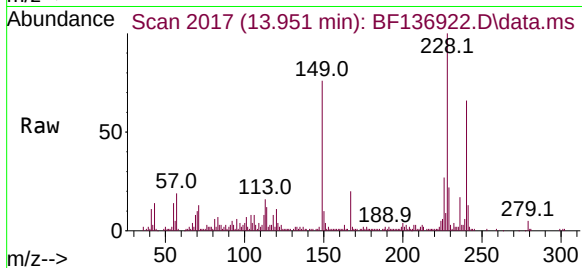
Tgt Ion:228 Resp: 34924

Ion Ratio Lower Upper

228 100

226 27.4 24.7 37.1

229 22.3 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 14.718 ng

RT: 13.945 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF136922.D

Acq: 03 Jan 2024 22:57

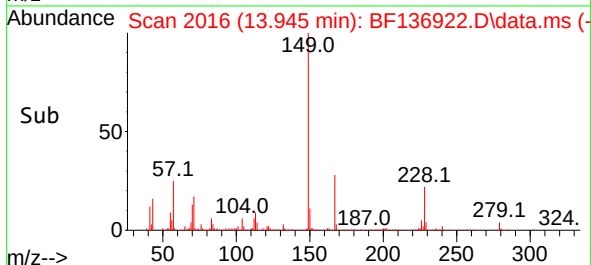
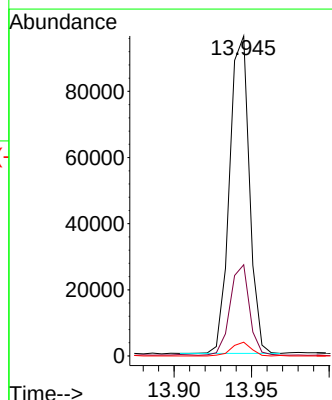
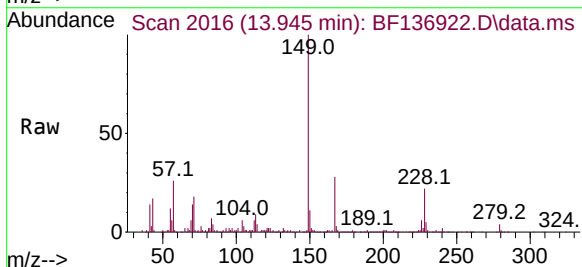
Tgt Ion:149 Resp: 85450

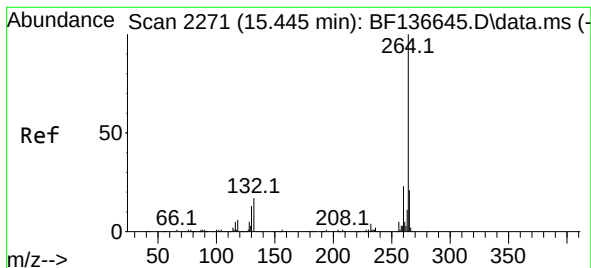
Ion Ratio Lower Upper

149 100

167 28.5 20.9 31.3

279 4.3 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: BF136922.D

Acq: 03 Jan 2024 22:57

Instrument :

BNA_F

ClientSampleId :

GHL-SS-08

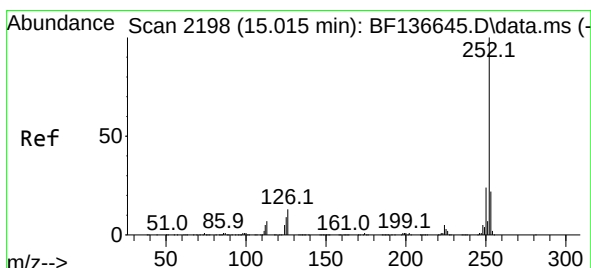
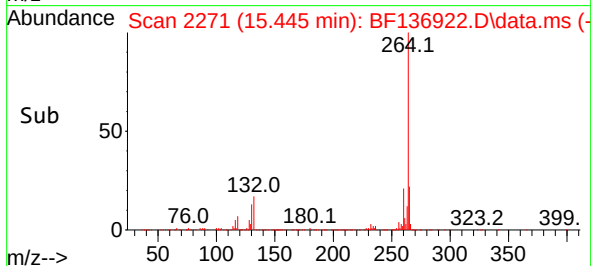
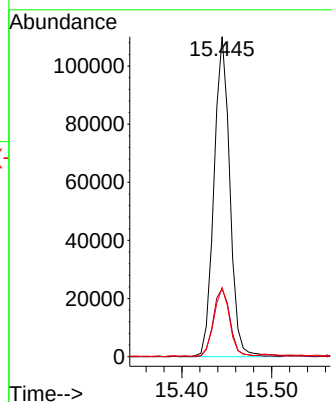
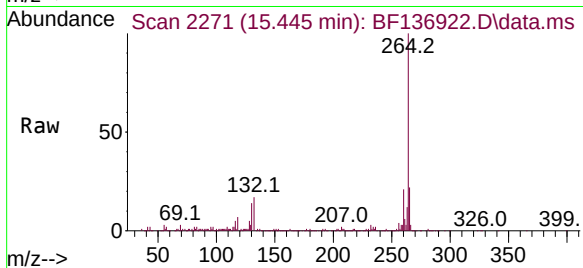
Tgt Ion:264 Resp: 135120

Ion Ratio Lower Upper

264 100

260 21.3 18.3 27.5

265 21.5 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 6.030 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF136922.D

Acq: 03 Jan 2024 22:57

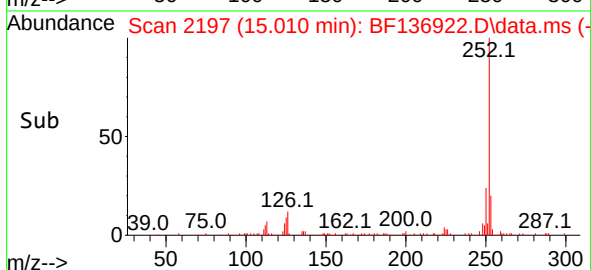
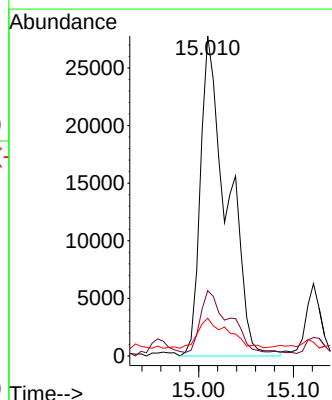
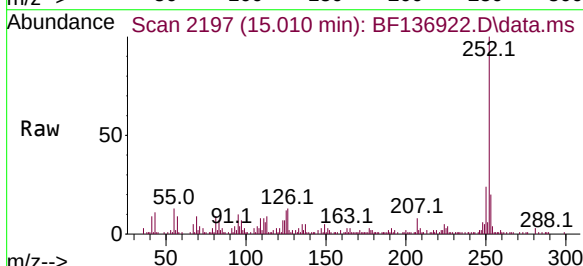
Tgt Ion:252 Resp: 54417

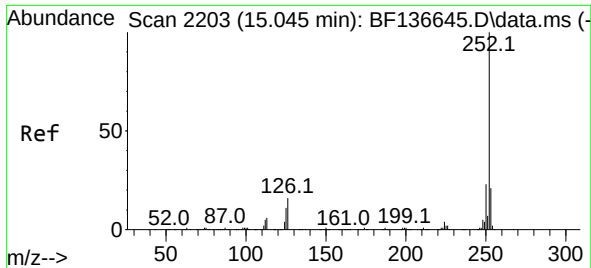
Ion Ratio Lower Upper

252 100

253 20.4 17.4 26.0

125 11.8 7.4 11.2#

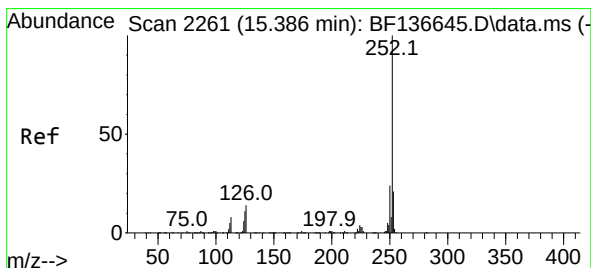
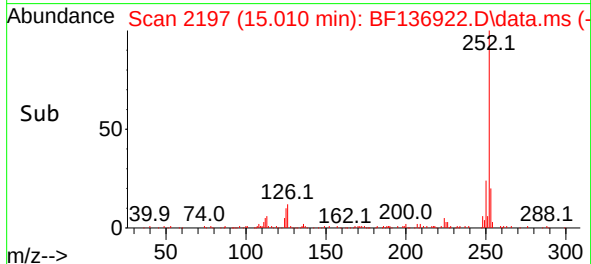
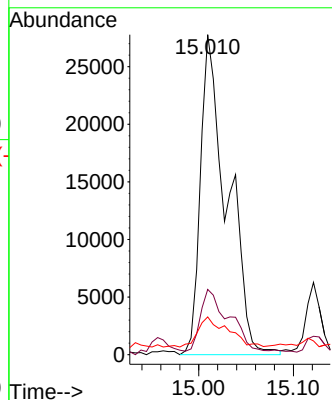
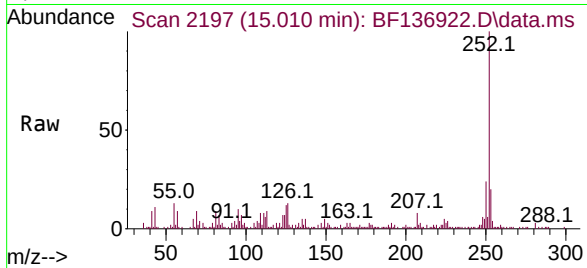




#89
Benzo(k)fluoranthene
Concen: 6.381 ng
RT: 15.010 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

Instrument :
BNA_F
ClientSampleId :
GHL-SS-08

Tgt Ion:252 Resp: 54417
Ion Ratio Lower Upper
252 100
253 20.4 17.0 25.6
125 11.8 8.2 12.4



#90
Benzo(a)pyrene
Concen: 3.467 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.006 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

Tgt Ion:252 Resp: 26414
Ion Ratio Lower Upper
252 100
253 25.2 17.0 25.6
125 15.6 8.8 13.2#

