

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010224\
 Data File : BF136893.D
 Acq On : 03 Jan 2024 02:40
 Operator : CG\JU
 Sample : 05899-13
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-13

Quant Time: Jan 03 04:21:01 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)

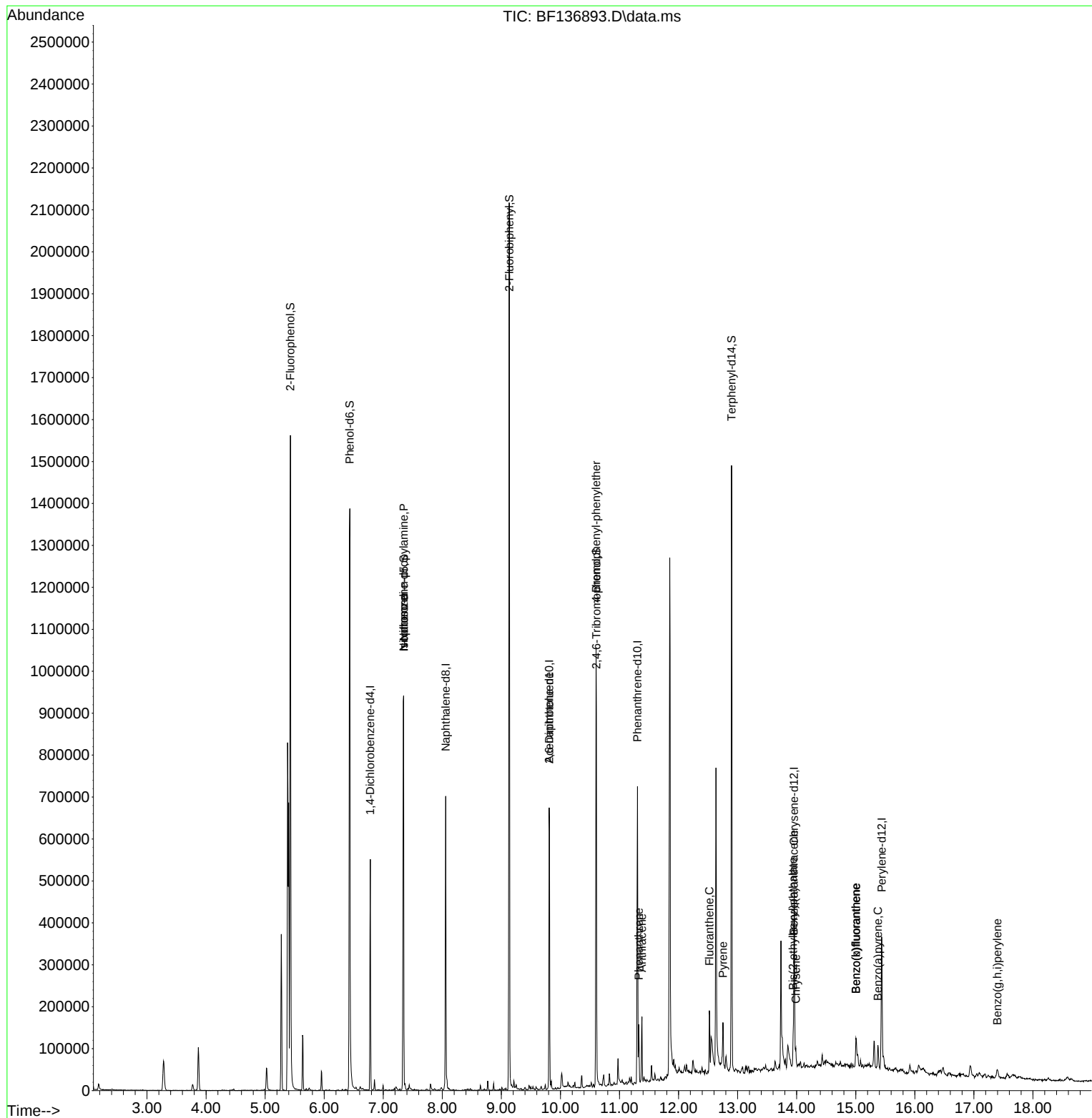
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	74983	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	280277	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	138588	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	241386	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	137140	20.000	ng	-0.01
86) Perylene-d12	15.439	264	147470	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	422495	87.915	ng	0.00
7) Phenol-d6	6.434	99	527784	84.757	ng	0.00
23) Nitrobenzene-d5	7.345	82	319229	58.283	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	136459	83.605	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	612136	59.407	ng	-0.02
79) Terphenyl-d14	12.898	244	515337	52.513	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	41756	11.062	ng	# 72
25) Isophorone	7.345	82	319227	32.030	ng	# 65
51) 2,6-Dinitrotoluene	9.810	165	18033	7.849	ng	# 31
67) 4-Bromophenyl-phenylether	10.604	248	8219	3.066	ng	# 1
71) Phenanthrene	11.327	178	45366	3.663	ng	99
72) Anthracene	11.380	178	58730	4.682	ng	99
75) Fluoranthene	12.521	202	58983	4.452	ng	96
78) Pyrene	12.751	202	46574	3.460	ng	97
81) Benzo(a)anthracene	13.951	228	21329	2.240	ng	98
83) Chrysene	13.986	228	20426	2.193	ng	97
84) Bis(2-ethylhexyl)phtha...	13.939	149	13033	2.115	ng	# 96
88) Benzo(b)fluoranthene	15.004	252	47097	4.782	ng	# 94
89) Benzo(k)fluoranthene	15.004	252	47097	5.060	ng	# 94
90) Benzo(a)pyrene	15.374	252	26425	3.178	ng	98
92) Benzo(g,h,i)perylene	17.398	276	18190	2.033	ng	97

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

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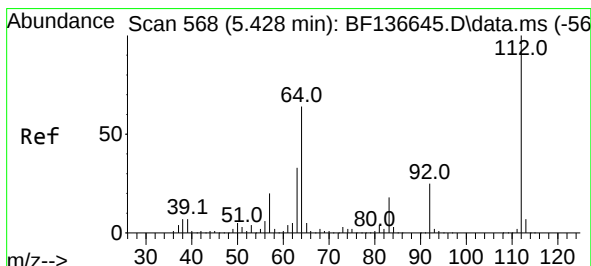
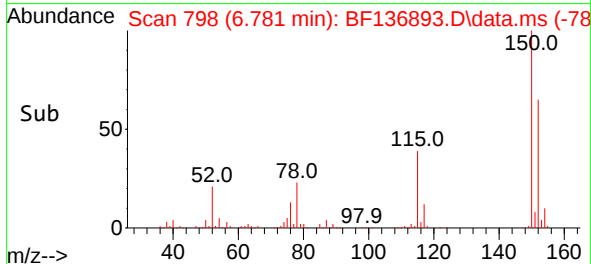
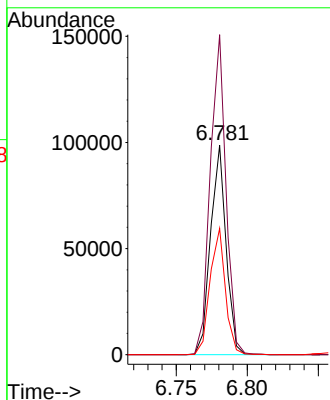
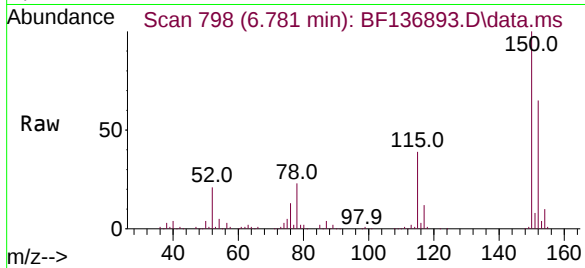




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF136893.D
Acq: 03 Jan 2024 02:40

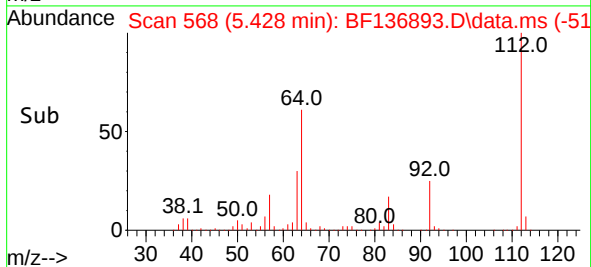
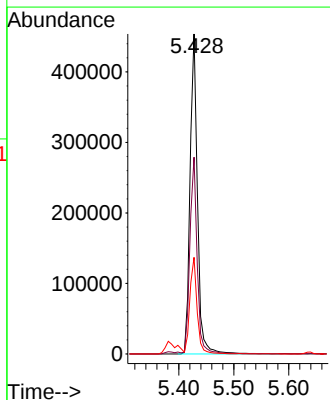
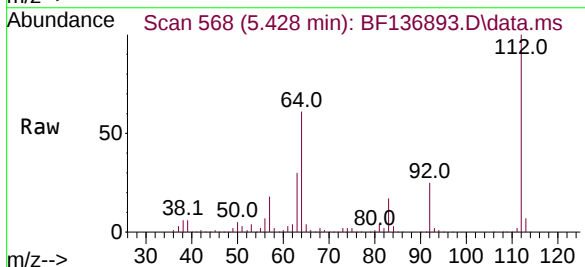
Instrument :
BNA_F
ClientSampleId :
GHL-SS-13

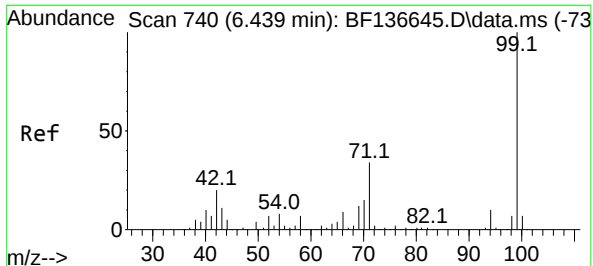
Tgt Ion:152 Resp: 74983
Ion Ratio Lower Upper
152 100
150 152.8 127.0 190.6
115 60.3 49.0 73.4



#5
2-Fluorophenol
Concen: 87.915 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF136893.D
Acq: 03 Jan 2024 02:40

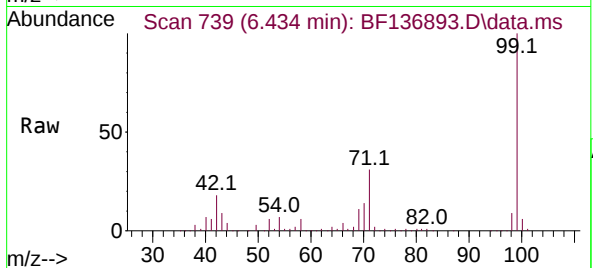
Tgt Ion:112 Resp: 422495
Ion Ratio Lower Upper
112 100
64 61.5 51.1 76.7
63 30.2 26.1 39.1





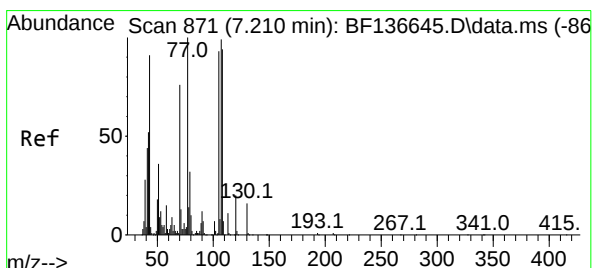
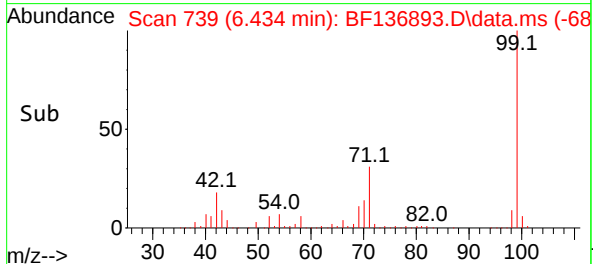
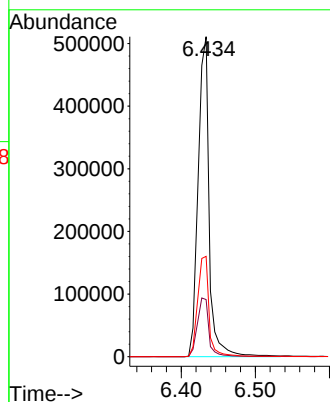
#7
Phenol-d6
Concen: 84.757 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136893.D
Acq: 03 Jan 2024 02:40

Instrument :
BNA_F
ClientSampleId :
GHL-SS-13



Tgt Ion: 99 Resp: 527784

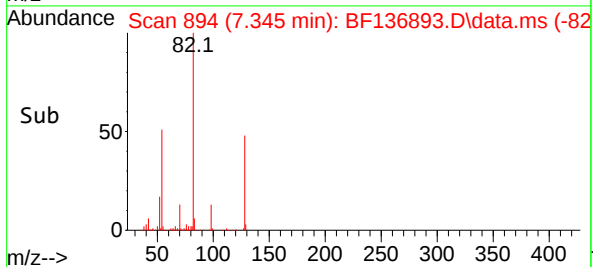
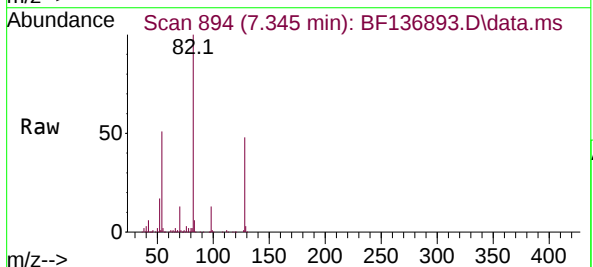
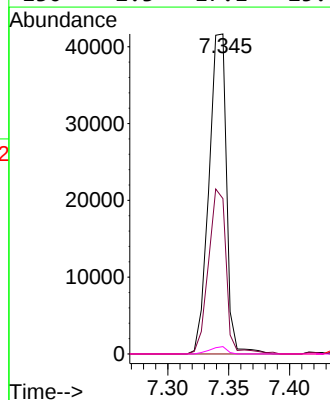
Ion	Ratio	Lower	Upper
99	100		
42	17.9	16.1	24.1
71	31.4	27.4	41.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.062 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136893.D
Acq: 03 Jan 2024 02:40

Tgt Ion: 70 Resp: 41756

Ion	Ratio	Lower	Upper
70	100		
42	48.5	54.2	81.4#
101	0.0	7.6	11.4#
130	2.3	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: BF136893.D

Acq: 03 Jan 2024 02:40

Instrument :

BNA_F

ClientSampleId :

GHL-SS-13

Tgt Ion:136 Resp: 280277

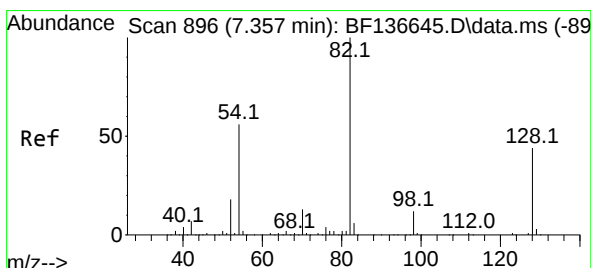
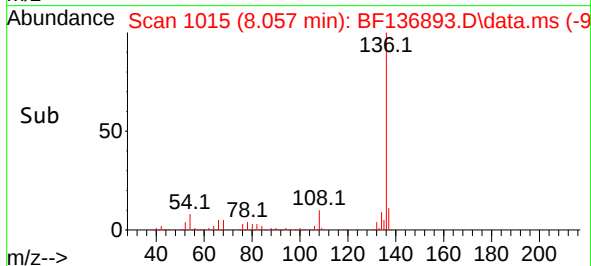
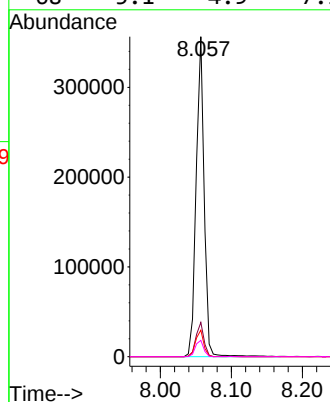
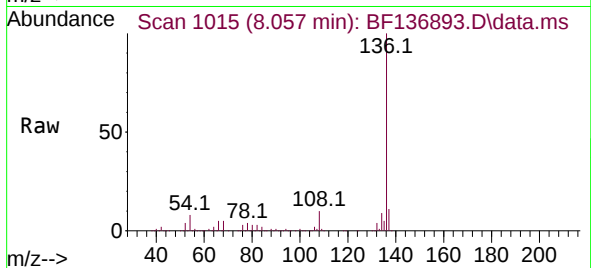
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 8.3 7.2 10.8

68 5.1 4.9 7.3



#23

Nitrobenzene-d5

Concen: 58.283 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF136893.D

Acq: 03 Jan 2024 02:40

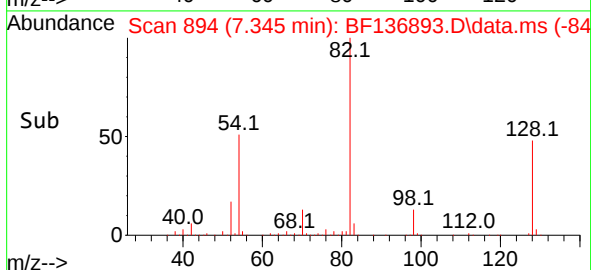
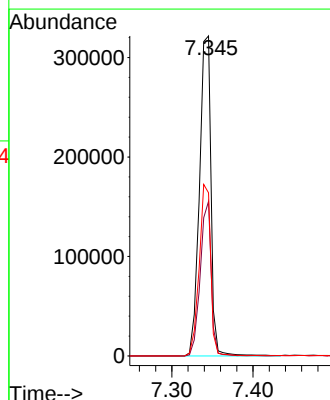
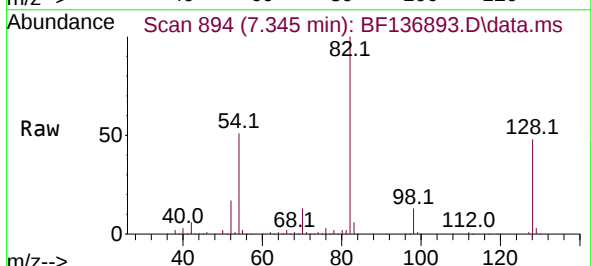
Tgt Ion: 82 Resp: 319229

Ion Ratio Lower Upper

82 100

128 48.3 35.3 52.9

54 51.0 44.5 66.7

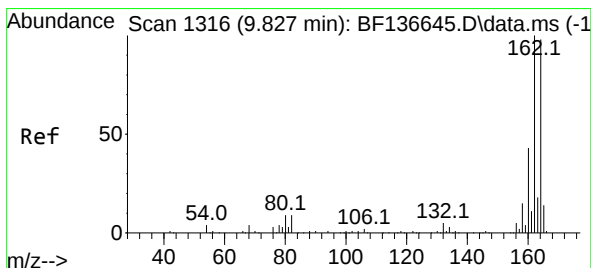
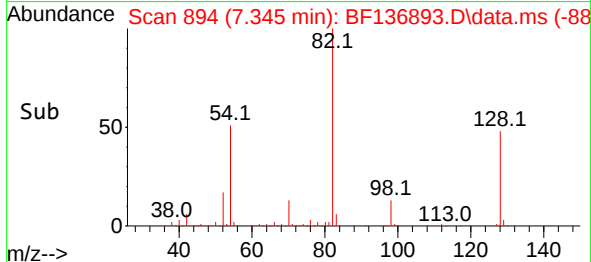
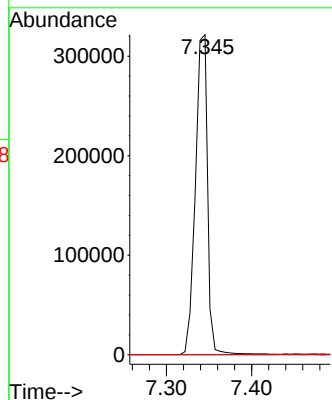
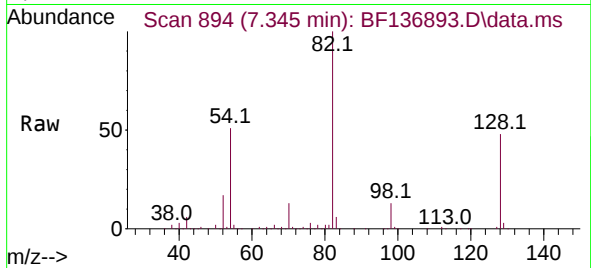




#25
Isophorone
Concen: 32.030 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF136893.D
Acq: 03 Jan 2024 02:40

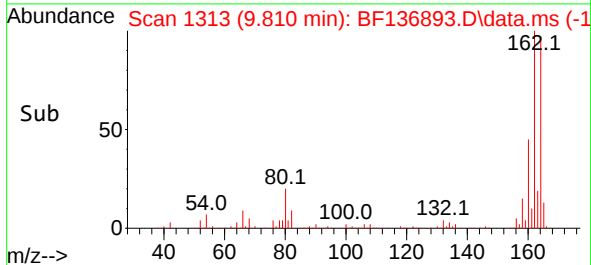
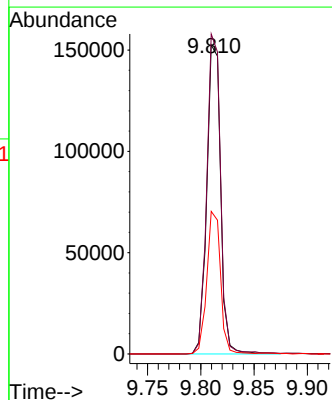
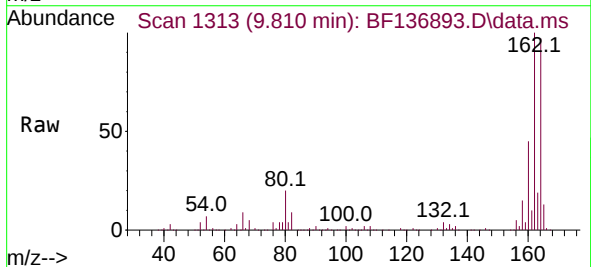
Instrument :
BNA_F
ClientSampleId :
GHL-SS-13

Tgt Ion: 82 Resp: 319227
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF136893.D
Acq: 03 Jan 2024 02:40

Tgt Ion: 164 Resp: 138588
Ion Ratio Lower Upper
164 100
162 103.6 81.6 122.4
160 46.2 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 83.605 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF136893.D

Acq: 03 Jan 2024 02:40

Instrument :

BNA_F

ClientSampleId :

GHL-SS-13

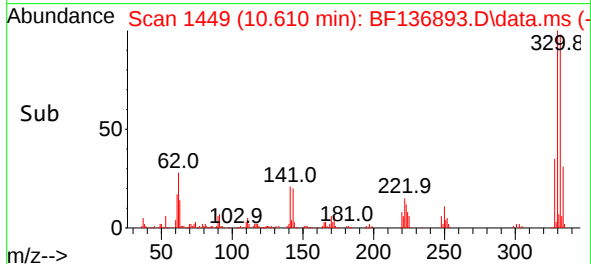
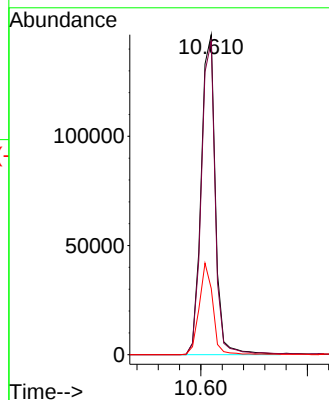
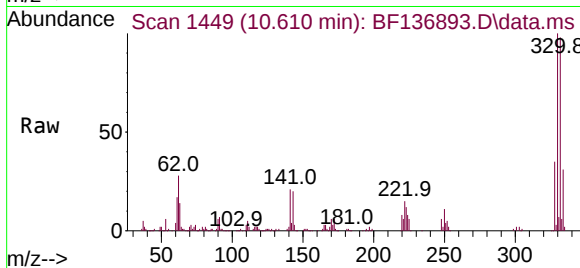
Tgt Ion:330 Resp: 136459

Ion Ratio Lower Upper

330 100

332 96.4 77.4 116.0

141 27.5 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 59.407 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136893.D

Acq: 03 Jan 2024 02:40

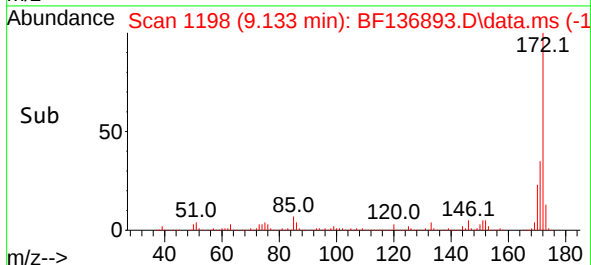
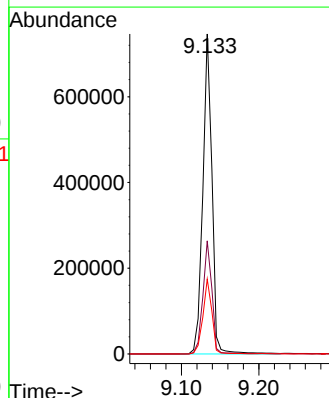
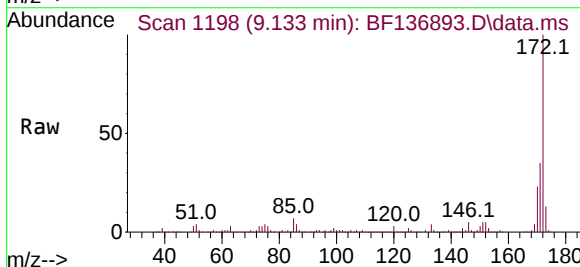
Tgt Ion:172 Resp: 612136

Ion Ratio Lower Upper

172 100

171 35.4 29.0 43.6

170 23.4 19.0 28.4

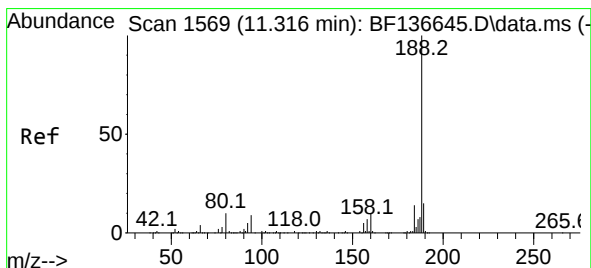
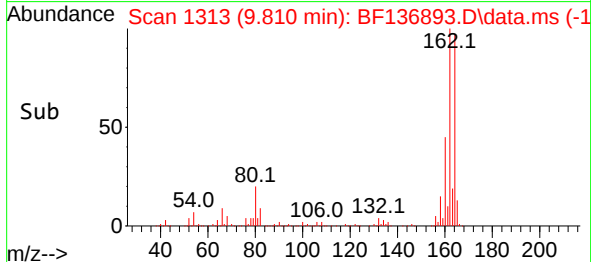
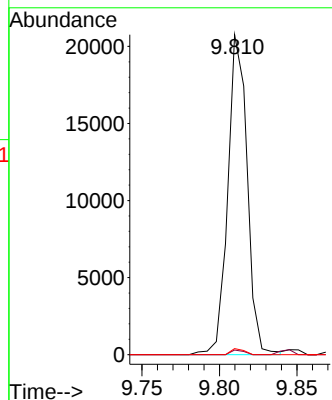
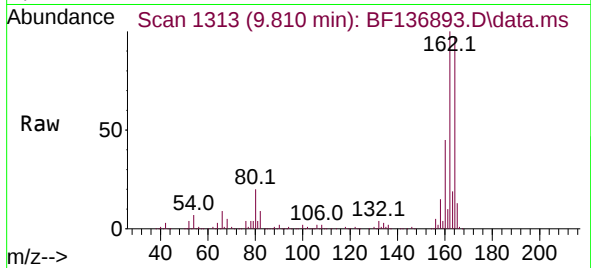




#51
2,6-Dinitrotoluene
Concen: 7.849 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF136893.D
Acq: 03 Jan 2024 02:40

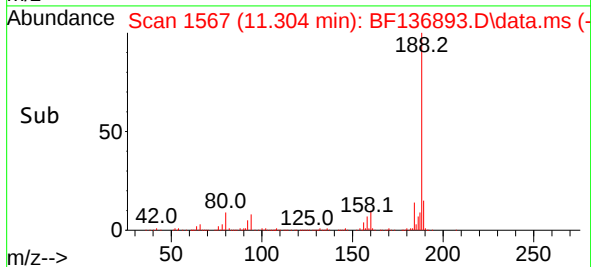
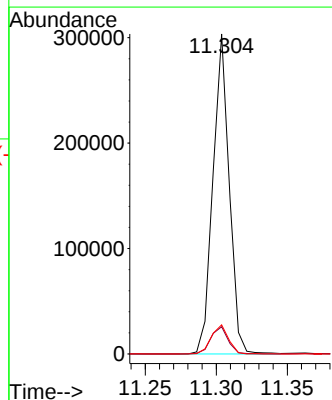
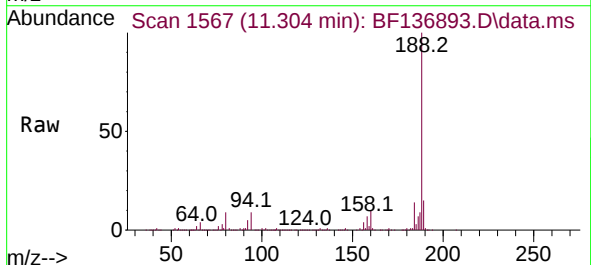
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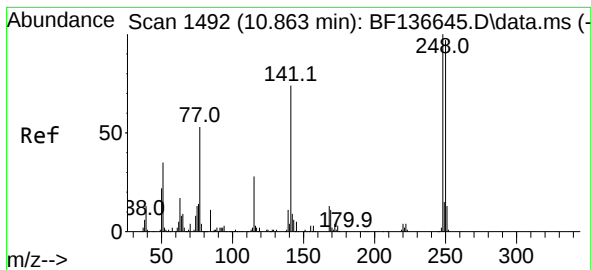
Tgt Ion:165 Resp: 18033
Ion Ratio Lower Upper
165 100
63 1.5 39.8 59.6#
89 1.9 38.8 58.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BF136893.D
Acq: 03 Jan 2024 02:40

Tgt Ion:188 Resp: 241386
Ion Ratio Lower Upper
188 100
94 8.5 7.5 11.3
80 9.1 8.1 12.1

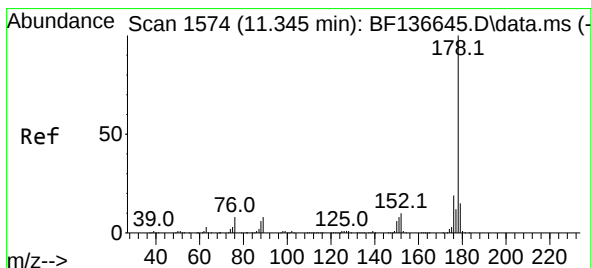
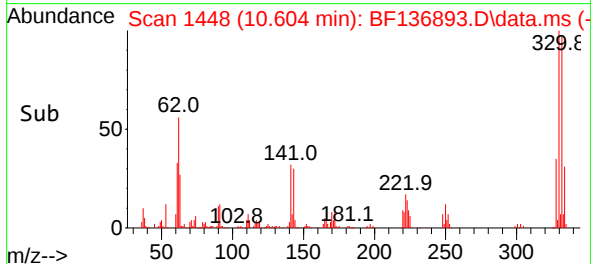
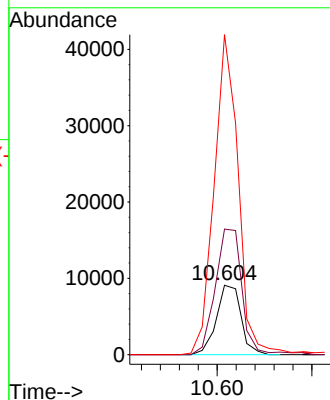
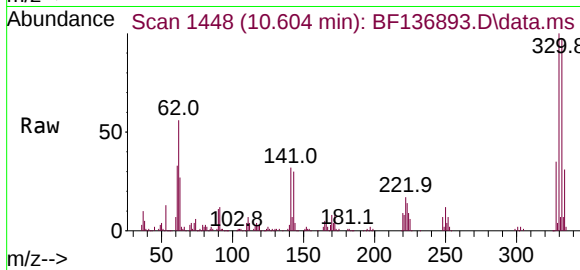




#67
4-Bromophenyl-phenylether
Concen: 3.066 ng
RT: 10.604 min Scan# 1492
Delta R.T. -0.259 min
Lab File: BF136893.D
Acq: 03 Jan 2024 02:40

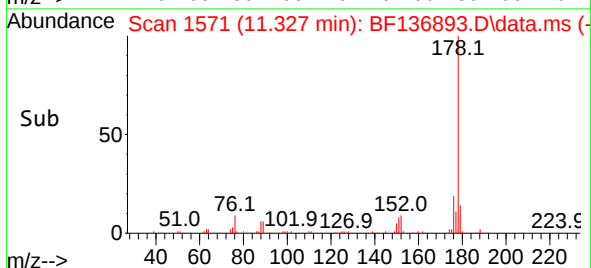
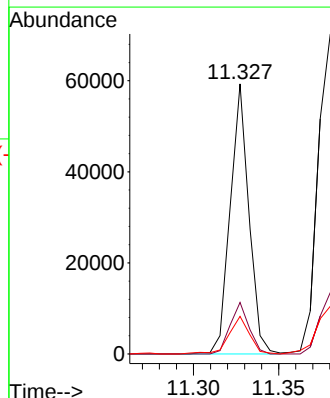
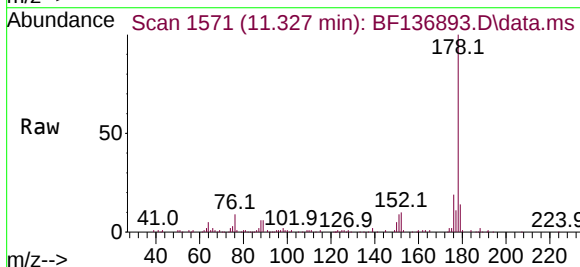
Instrument :
BNA_F
ClientSampleId :
GHL-SS-13

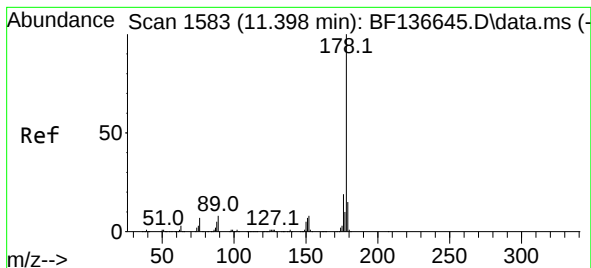
Tgt Ion:248 Resp: 8219
Ion Ratio Lower Upper
248 100
250 181.0 77.8 116.6#
141 460.8 59.2 88.8#



#71
Phenanthrene
Concen: 3.663 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF136893.D
Acq: 03 Jan 2024 02:40

Tgt Ion:178 Resp: 45366
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 13.9 11.9 17.9





#72

Anthracene

Concen: 4.682 ng

RT: 11.380 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF136893.D

Acq: 03 Jan 2024 02:40

Instrument :

BNA_F

ClientSampleId :

GHL-SS-13

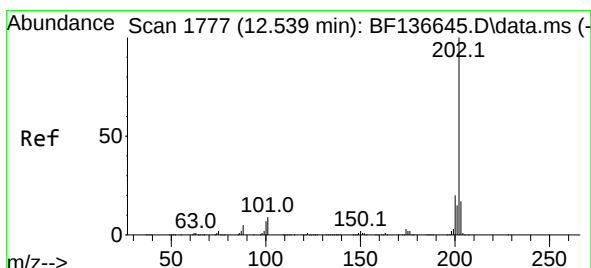
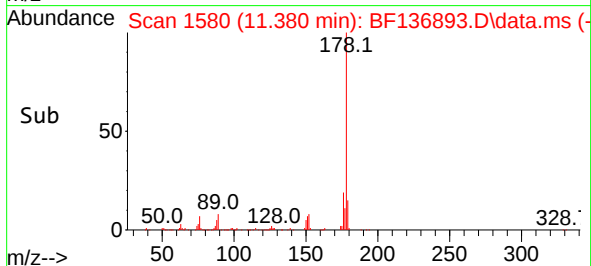
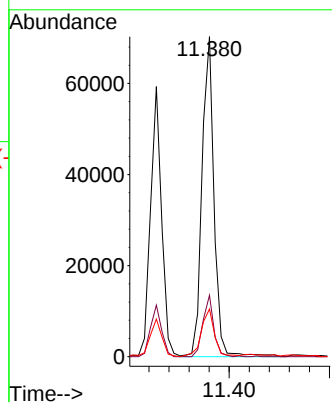
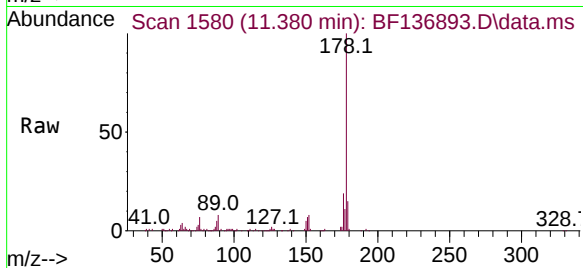
Tgt Ion:178 Resp: 58730

Ion Ratio Lower Upper

178 100

176 19.2 14.9 22.3

179 14.9 11.8 17.6



#75

Fluoranthene

Concen: 4.452 ng

RT: 12.521 min Scan# 1774

Delta R.T. -0.018 min

Lab File: BF136893.D

Acq: 03 Jan 2024 02:40

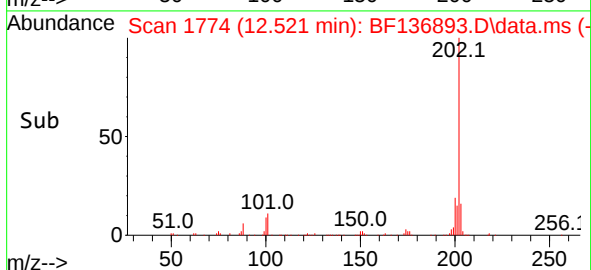
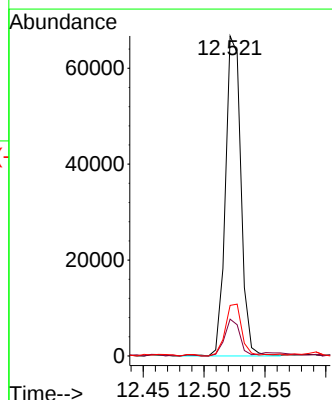
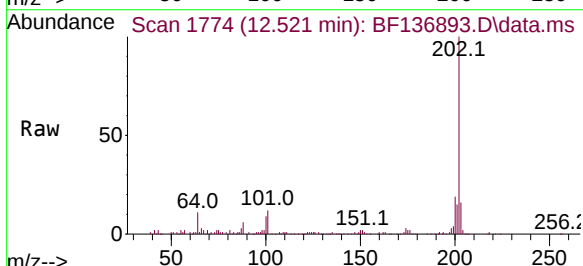
Tgt Ion:202 Resp: 58983

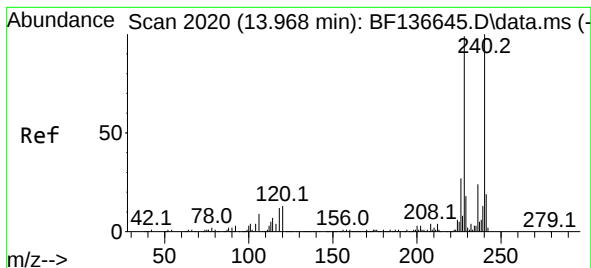
Ion Ratio Lower Upper

202 100

101 11.5 0.0 29.3

203 15.8 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136893.D

Acq: 03 Jan 2024 02:40

Instrument :

BNA_F

ClientSampleId :

GHL-SS-13

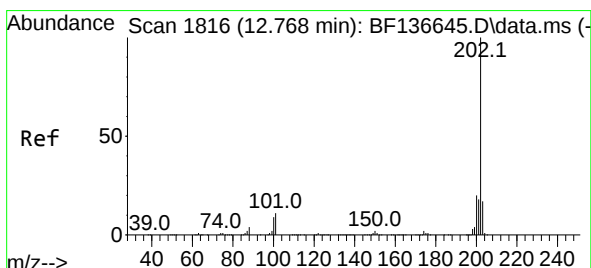
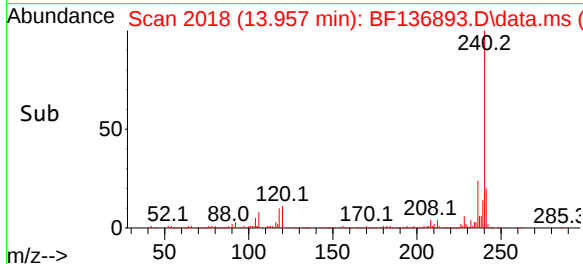
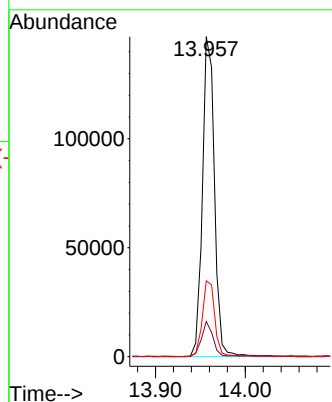
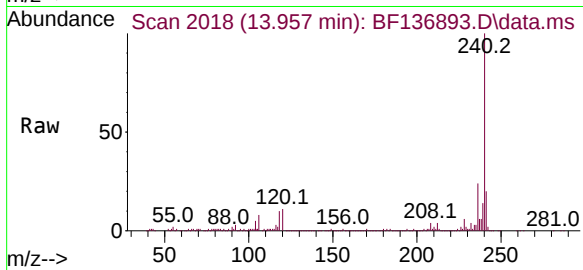
Tgt Ion:240 Resp: 137140

Ion Ratio Lower Upper

240 100

120 11.0 10.3 15.5

236 23.7 19.4 29.2



#78

Pyrene

Concen: 3.460 ng

RT: 12.751 min Scan# 1813

Delta R.T. -0.018 min

Lab File: BF136893.D

Acq: 03 Jan 2024 02:40

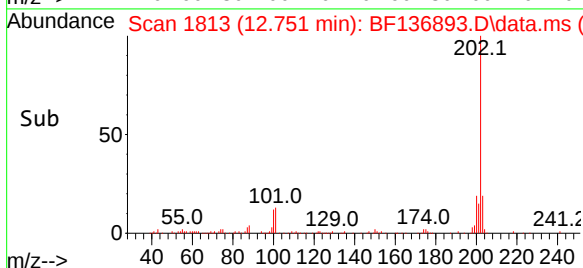
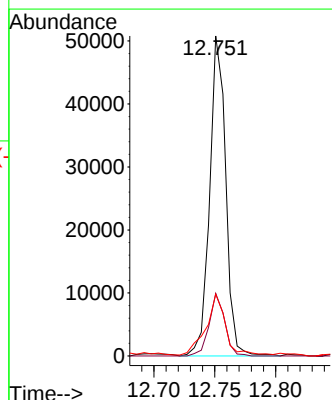
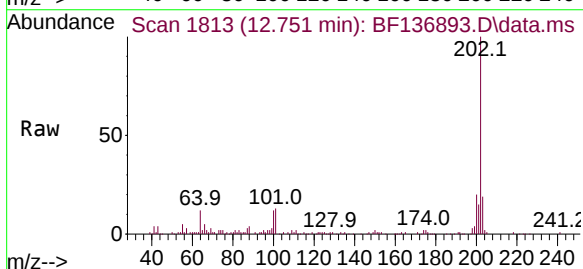
Tgt Ion:202 Resp: 46574

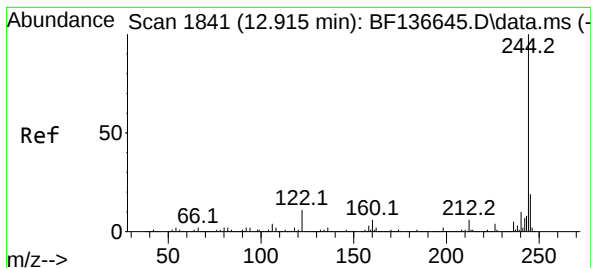
Ion Ratio Lower Upper

202 100

200 19.5 15.9 23.9

203 19.3 13.8 20.6





#79

Terphenyl-d14

Concen: 52.513 ng

RT: 12.898 min Scan# 1838

Delta R.T. -0.018 min

Lab File: BF136893.D

Acq: 03 Jan 2024 02:40

Instrument :

BNA_F

ClientSampleId :

GHL-SS-13

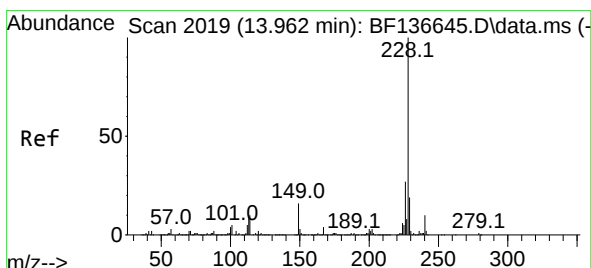
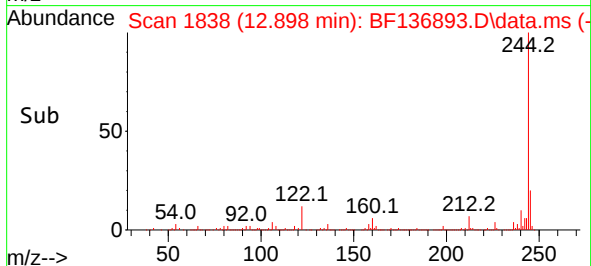
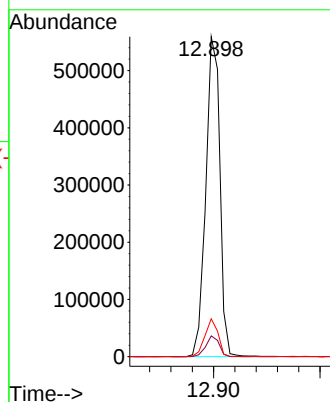
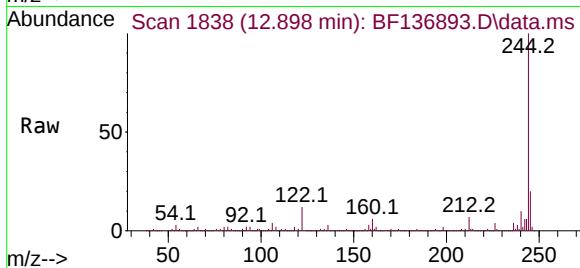
Tgt Ion:244 Resp: 515337

Ion Ratio Lower Upper

244 100

212 6.5 5.0 7.4

122 11.8 9.0 13.4



#81

Benzo(a)anthracene

Concen: 2.240 ng

RT: 13.951 min Scan# 2017

Delta R.T. -0.012 min

Lab File: BF136893.D

Acq: 03 Jan 2024 02:40

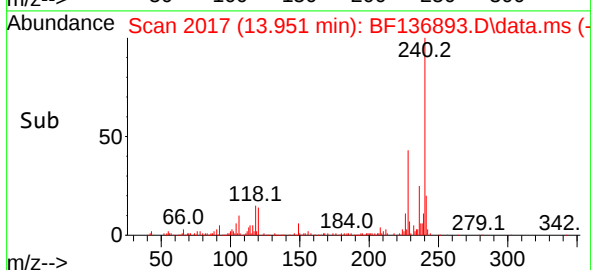
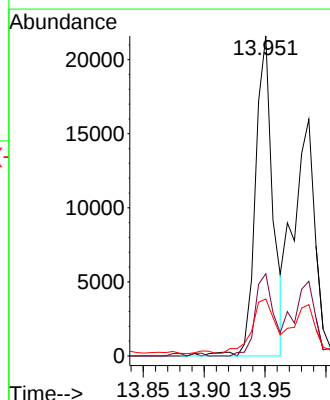
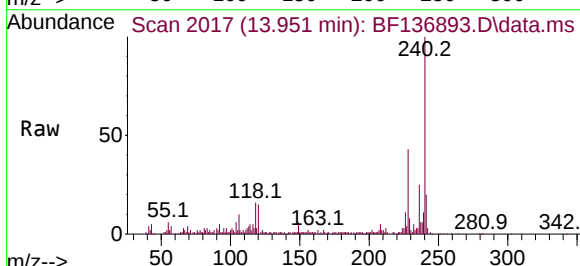
Tgt Ion:228 Resp: 21329

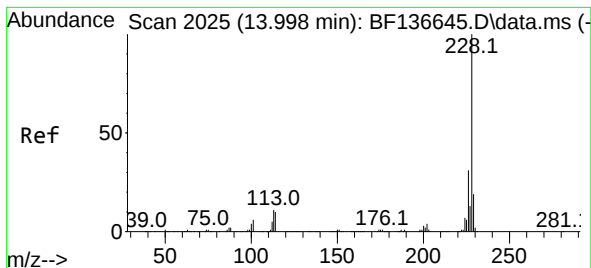
Ion Ratio Lower Upper

228 100

226 25.7 21.4 32.0

229 17.8 14.9 22.3





#83

Chrysene

Concen: 2.193 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136893.D

Acq: 03 Jan 2024 02:40

Instrument :

BNA_F

ClientSampleId :

GHL-SS-13

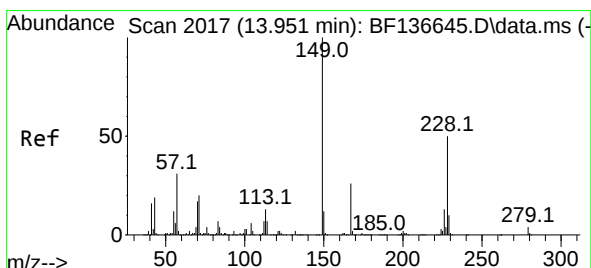
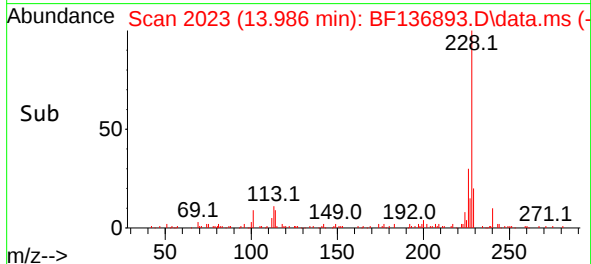
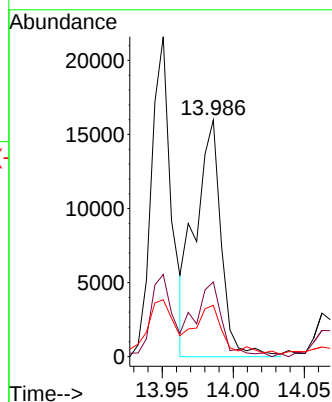
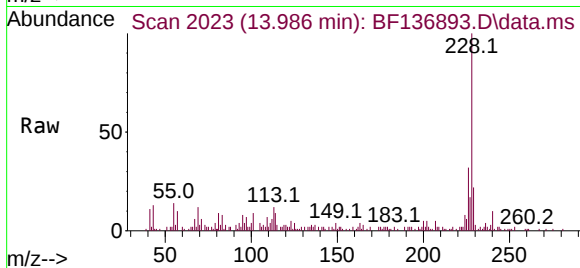
Tgt Ion:228 Resp: 20426

Ion Ratio Lower Upper

228 100

226 31.6 24.7 37.1

229 21.7 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.115 ng

RT: 13.939 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF136893.D

Acq: 03 Jan 2024 02:40

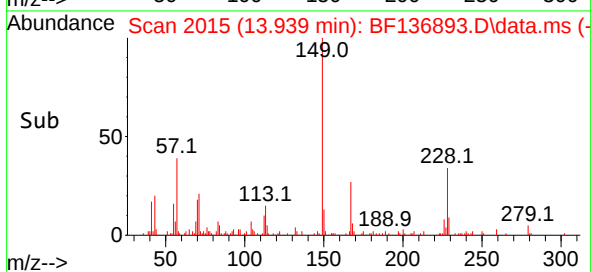
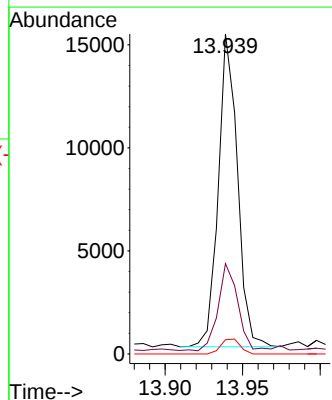
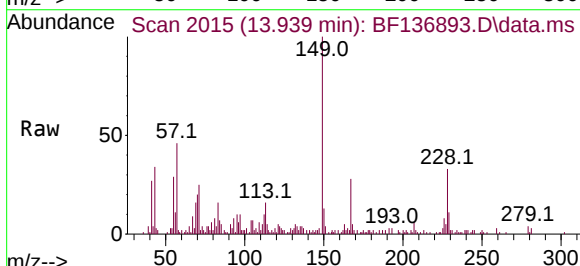
Tgt Ion:149 Resp: 13033

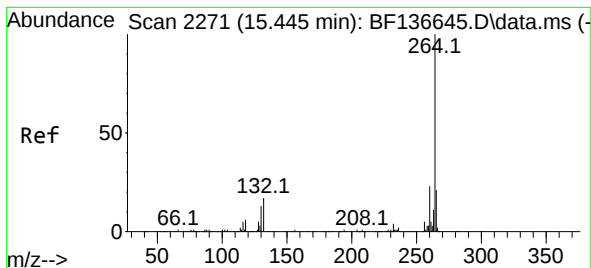
Ion Ratio Lower Upper

149 100

167 28.3 20.9 31.3

279 4.4 2.9 4.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF136893.D

Acq: 03 Jan 2024 02:40

Instrument :

BNA_F

ClientSampleId :

GHL-SS-13

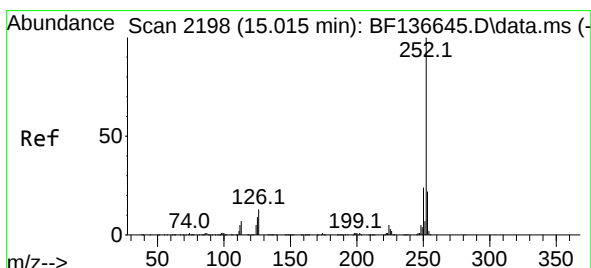
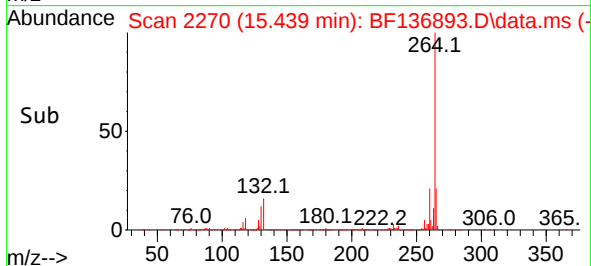
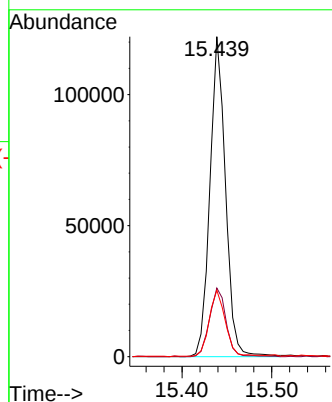
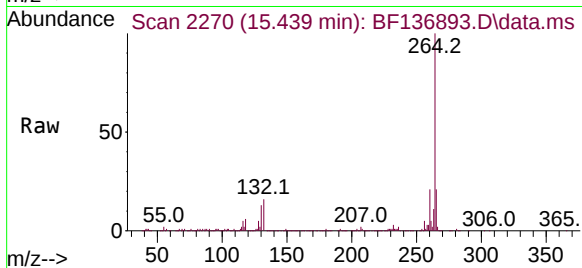
Tgt Ion:264 Resp: 147470

Ion Ratio Lower Upper

264 100

260 21.4 18.3 27.5

265 20.8 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 4.782 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF136893.D

Acq: 03 Jan 2024 02:40

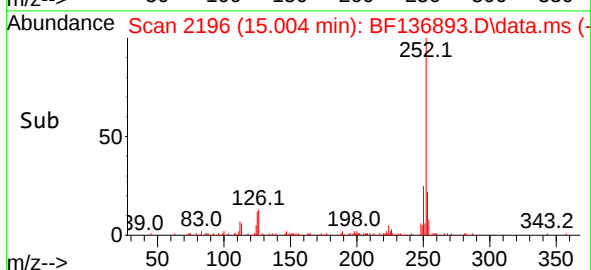
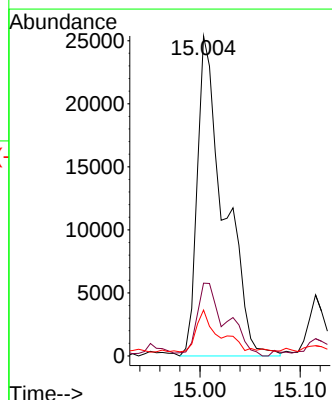
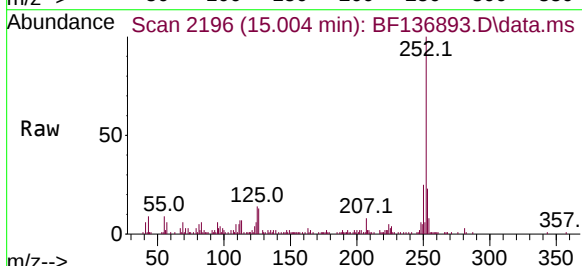
Tgt Ion:252 Resp: 47097

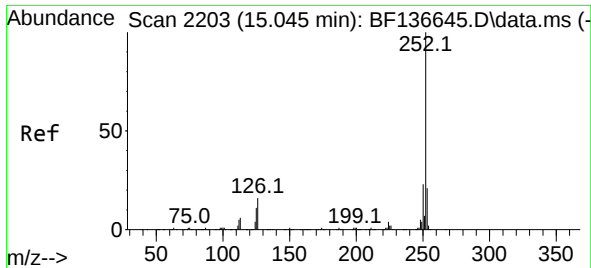
Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 14.4 7.4 11.2#

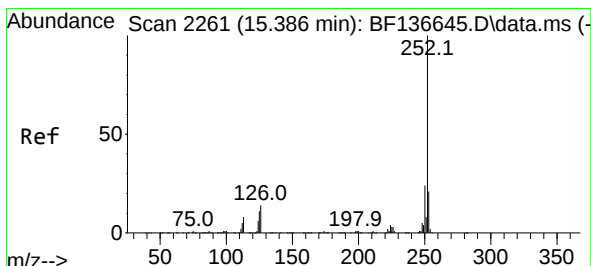
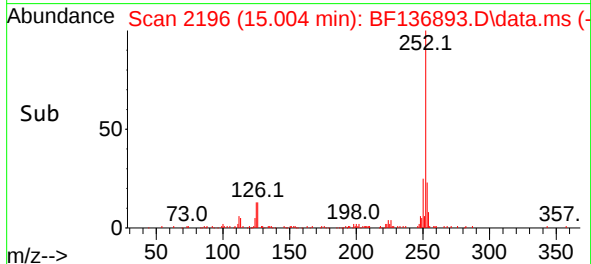
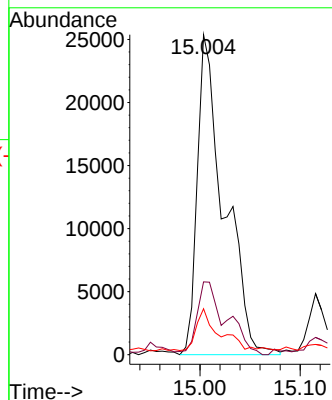
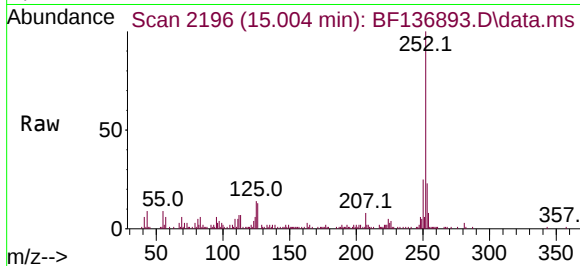




#89
Benzo(k)fluoranthene
Concen: 5.060 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.041 min
Lab File: BF136893.D
Acq: 03 Jan 2024 02:40

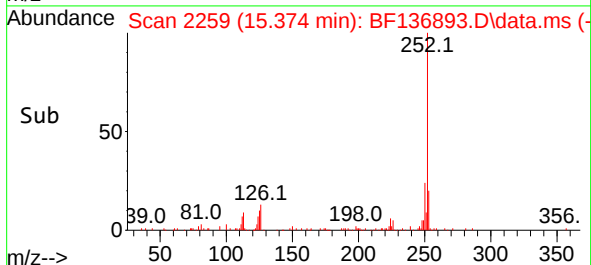
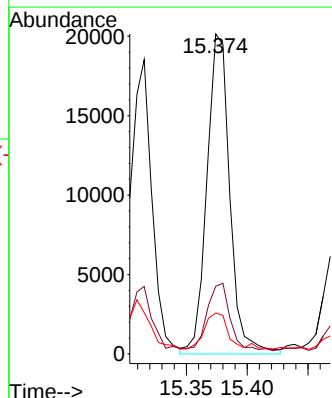
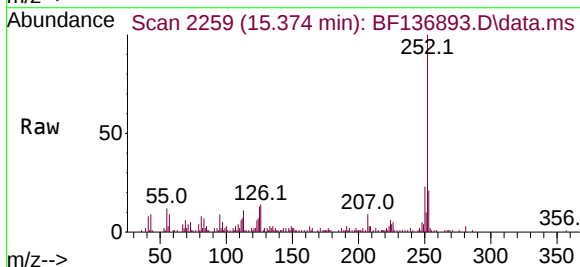
Instrument :
BNA_F
ClientSampleId :
GHL-SS-13

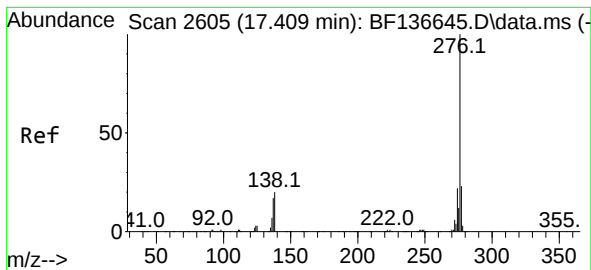
Tgt Ion:252 Resp: 47097
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 14.4 8.2 12.4#



#90
Benzo(a)pyrene
Concen: 3.178 ng
RT: 15.374 min Scan# 2259
Delta R.T. -0.012 min
Lab File: BF136893.D
Acq: 03 Jan 2024 02:40

Tgt Ion:252 Resp: 26425
Ion Ratio Lower Upper
252 100
253 21.2 17.0 25.6
125 12.8 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 2.033 ng

RT: 17.398 min Scan# 2

Delta R.T. -0.012 min

Lab File: BF136893.D

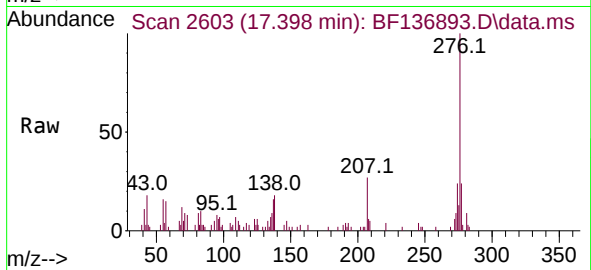
Acq: 03 Jan 2024 02:40

Instrument :

BNA_F

ClientSampleId :

GHL-SS-13



Tgt Ion:276 Resp: 18190

Ion Ratio Lower Upper

276 100

277 23.8 18.3 27.5

138 17.8 15.6 23.4

