

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010224\
 Data File : BF136881.D
 Acq On : 02 Jan 2024 20:26
 Operator : CG\JU
 Sample : 05898-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-72a

Quant Time: Jan 03 02:04:14 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)

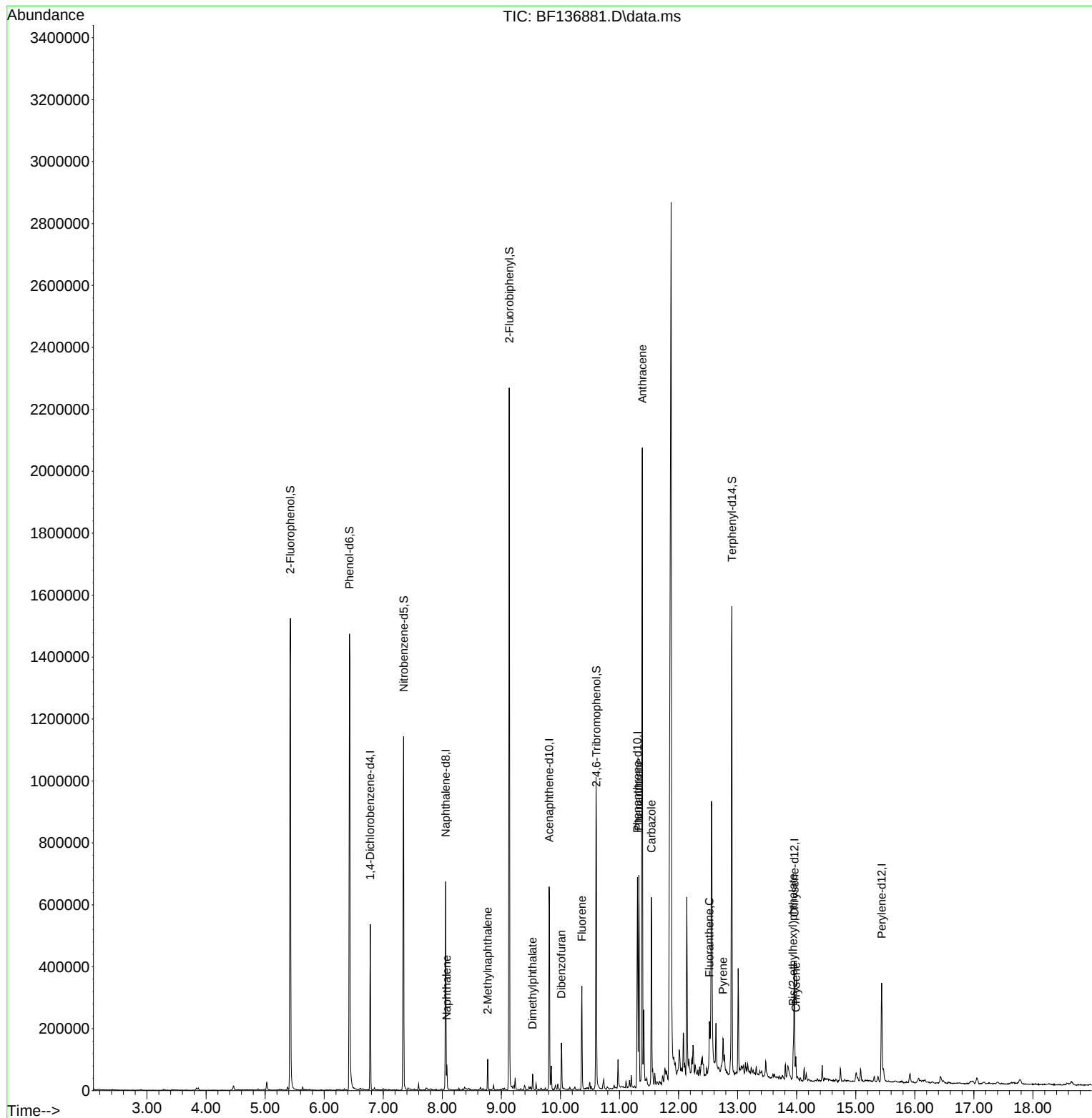
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	73965	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	275088	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	134041	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	229145	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	127964	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	149177	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	432944	91.329	ng	0.00
7) Phenol-d6	6.428	99	564821	91.953	ng	-0.01
23) Nitrobenzene-d5	7.345	82	355517	66.132	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	130007	82.354	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	669272	67.156	ng	-0.02
79) Terphenyl-d14	12.904	244	542808	59.279	ng	-0.01
Target Compounds						
						Qvalue
31) Naphthalene	8.075	128	31533	2.087	ng	97
37) 2-Methylnaphthalene	8.769	142	24833	2.553	ng	96
50) Dimethylphthalate	9.527	163	19749	2.017	ng	97
55) Dibenzofuran	10.016	168	57732	4.701	ng	98
58) Fluorene	10.363	166	90688	9.306	ng	98
71) Phenanthrene	11.327	178	232308	19.758	ng	99
72) Anthracene	11.386	178	768921	64.576	ng	99
73) Carbazole	11.539	167	244564	21.785	ng	100
75) Fluoranthene	12.521	202	66228	5.266	ng	97
78) Pyrene	12.751	202	45942	3.657	ng	97
83) Chrysene	13.986	228	27533	3.169	ng	97
84) Bis(2-ethylhexyl)phtha...	13.939	149	22181	3.857	ng	91

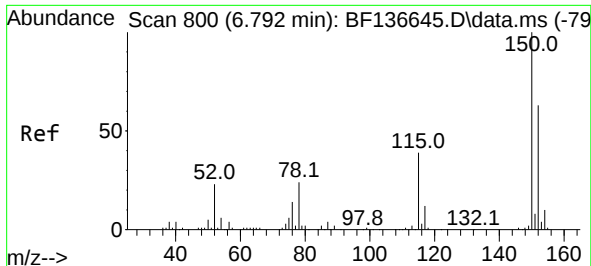
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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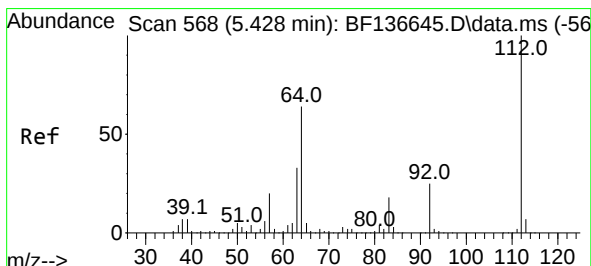
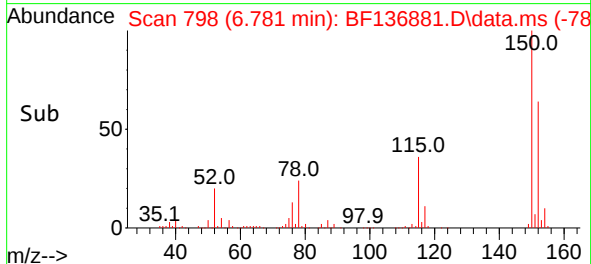
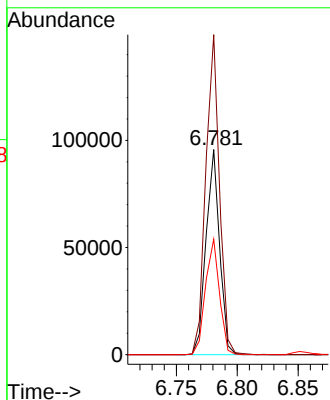
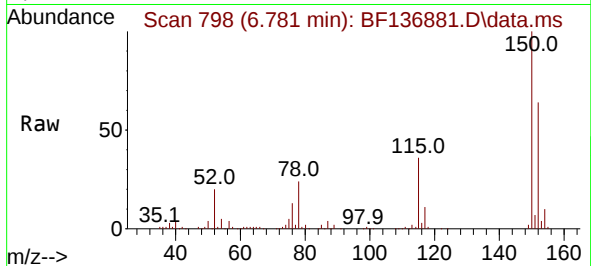




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

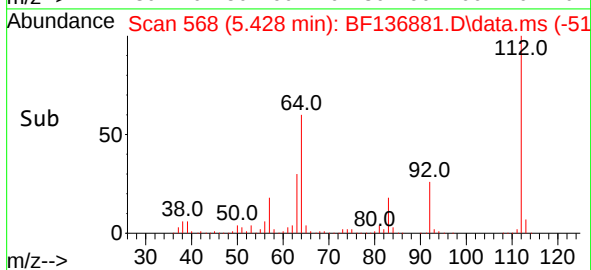
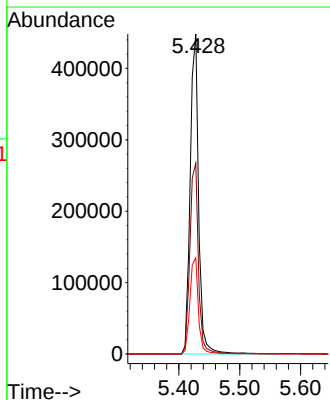
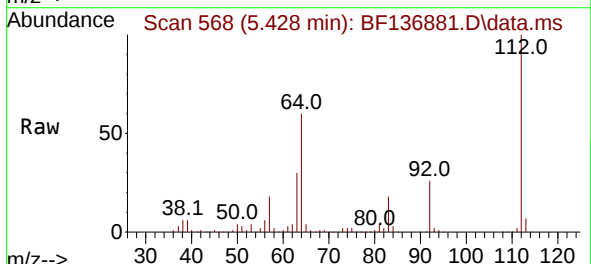
Instrument :
BNA_F
ClientSampleId :
GHL-SS-72a

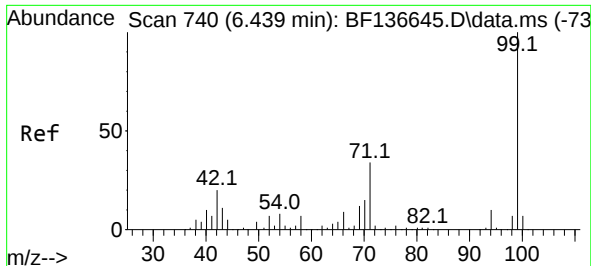
Tgt Ion:152 Resp: 73965
Ion Ratio Lower Upper
152 100
150 156.0 127.0 190.6
115 56.3 49.0 73.4



#5
2-Fluorophenol
Concen: 91.329 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

Tgt Ion:112 Resp: 432944
Ion Ratio Lower Upper
112 100
64 59.6 51.1 76.7
63 30.0 26.1 39.1

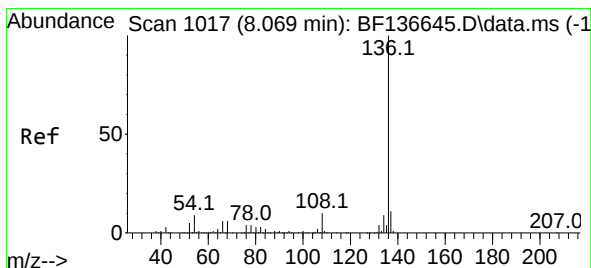
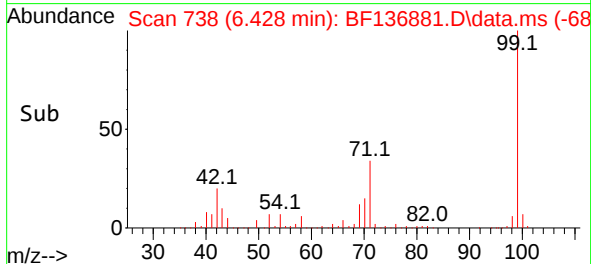
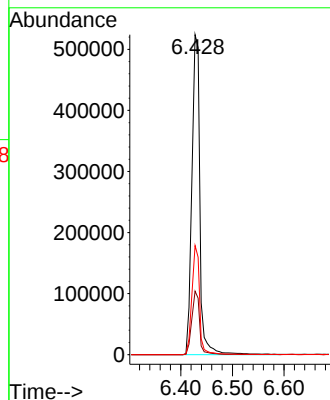
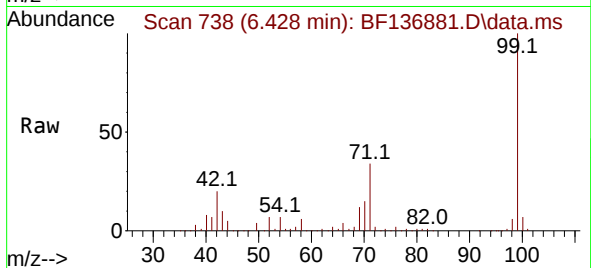




#7
Phenol-d6
Concen: 91.953 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

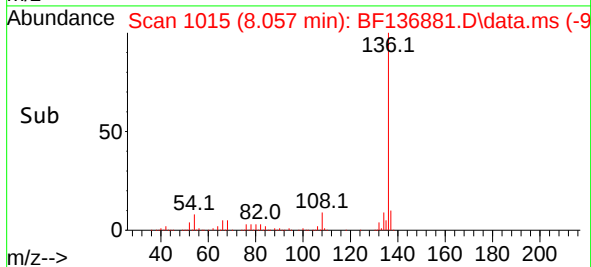
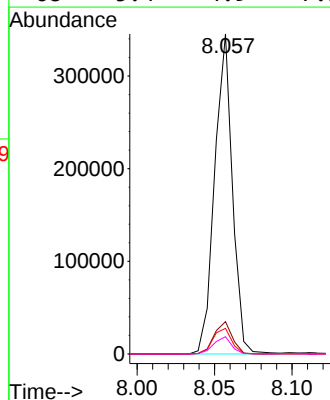
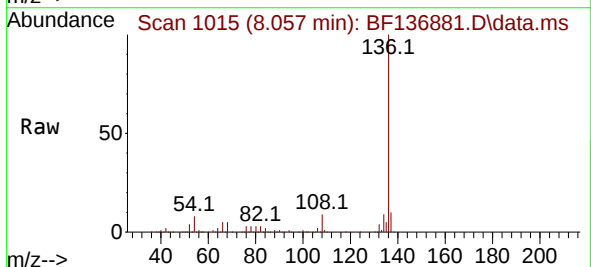
Instrument :
BNA_F
ClientSampleId :
GHL-SS-72a

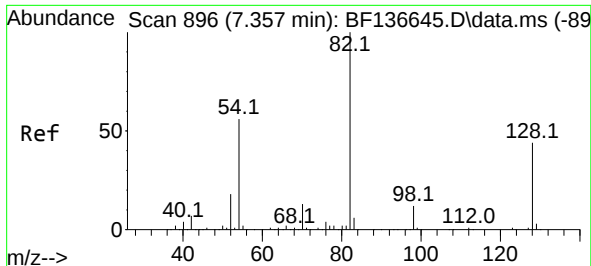
Tgt Ion: 99 Resp: 564821
Ion Ratio Lower Upper
99 100
42 19.8 16.1 24.1
71 34.1 27.4 41.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

Tgt Ion: 136 Resp: 275088
Ion Ratio Lower Upper
136 100
137 10.1 9.0 13.4
54 8.0 7.2 10.8
68 5.4 4.9 7.3





#23

Nitrobenzene-d5

Concen: 66.132 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136881.D

Acq: 02 Jan 2024 20:26

Instrument :

BNA_F

ClientSampleId :

GHL-SS-72a

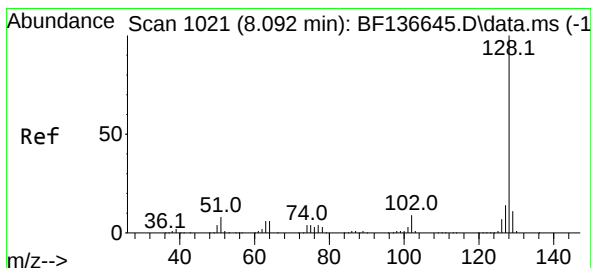
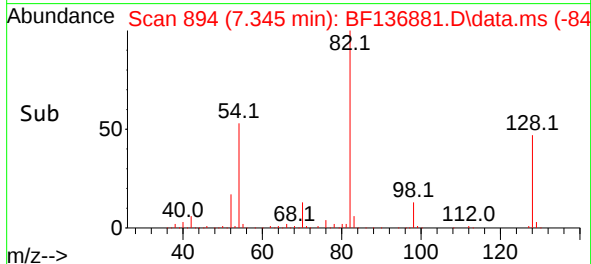
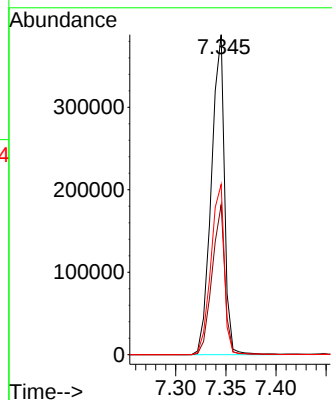
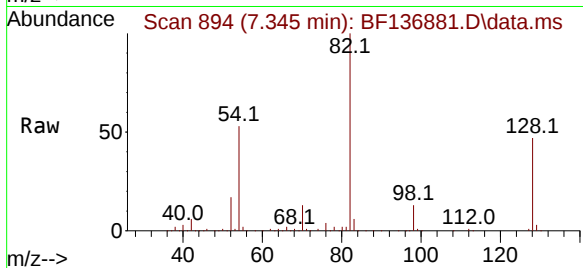
Tgt Ion: 82 Resp: 355517

Ion Ratio Lower Upper

82 100

128 46.9 35.3 52.9

54 53.2 44.5 66.7



#31

Naphthalene

Concen: 2.087 ng

RT: 8.075 min Scan# 1018

Delta R.T. -0.018 min

Lab File: BF136881.D

Acq: 02 Jan 2024 20:26

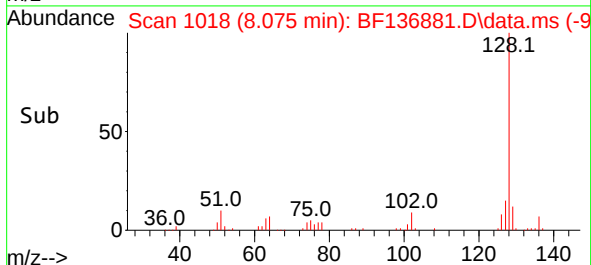
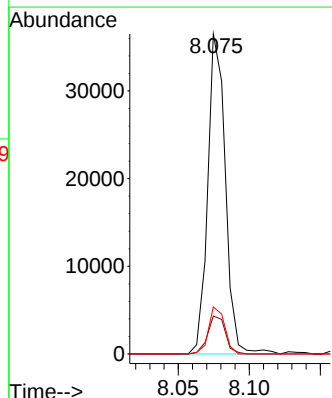
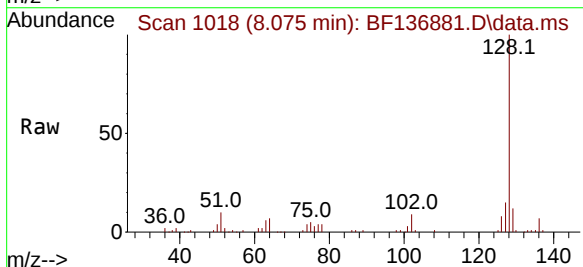
Tgt Ion:128 Resp: 31533

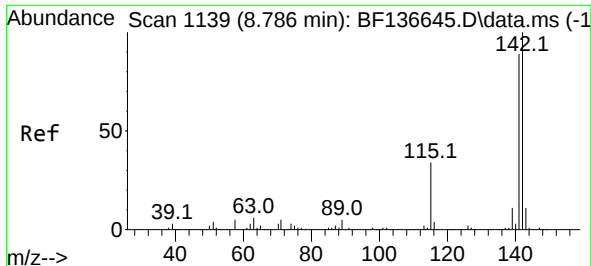
Ion Ratio Lower Upper

128 100

129 11.8 8.7 13.1

127 14.7 10.8 16.2

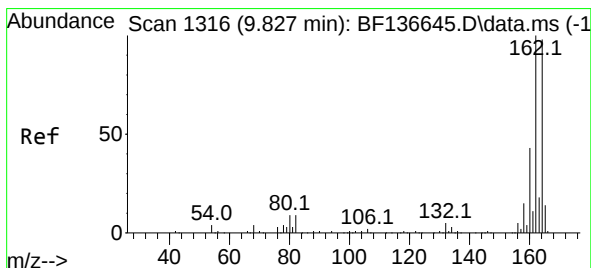
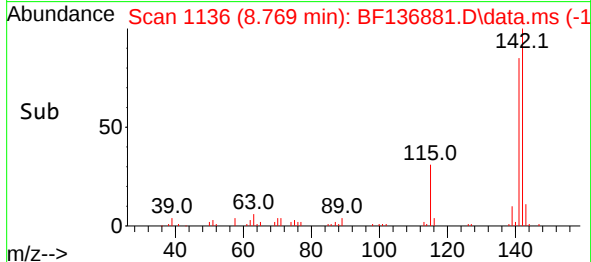
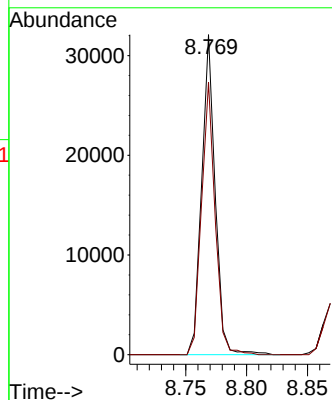
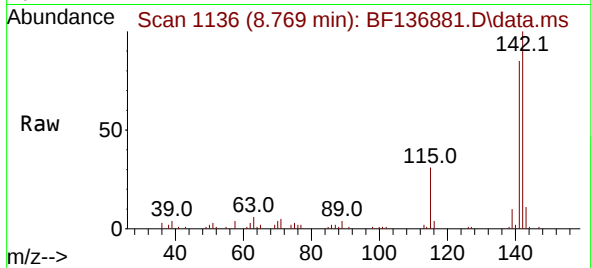




#37
2-Methylnaphthalene
Concen: 2.553 ng
RT: 8.769 min Scan# 1139
Delta R.T. -0.018 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

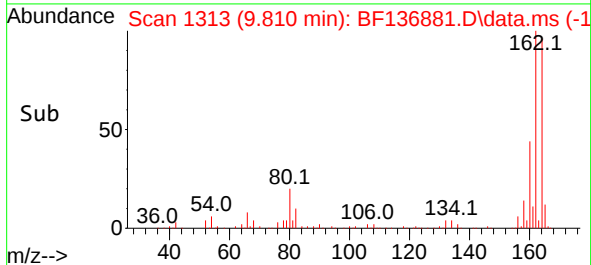
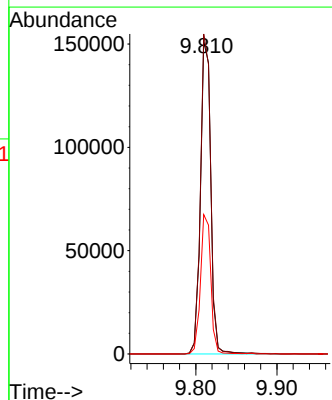
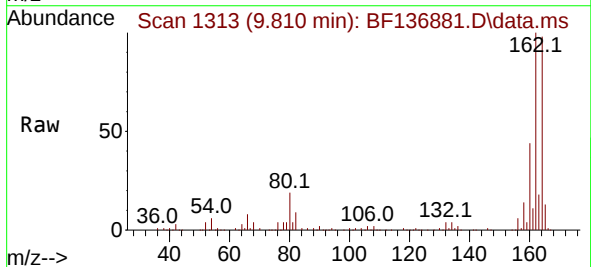
Instrument :
BNA_F
ClientSampleId :
GHL-SS-72a

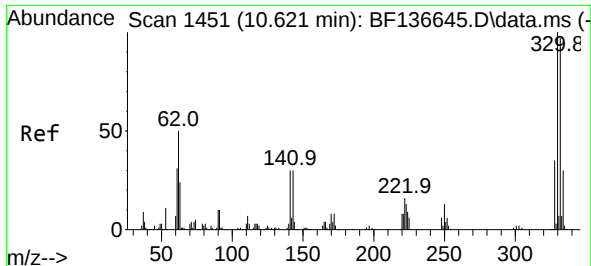
Tgt Ion:142 Resp: 24833
Ion Ratio Lower Upper
142 100
141 85.2 71.1 106.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

Tgt Ion:164 Resp: 134041
Ion Ratio Lower Upper
164 100
162 102.4 81.6 122.4
160 44.6 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 82.354 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136881.D

Acq: 02 Jan 2024 20:26

Instrument :

BNA_F

ClientSampleId :

GHL-SS-72a

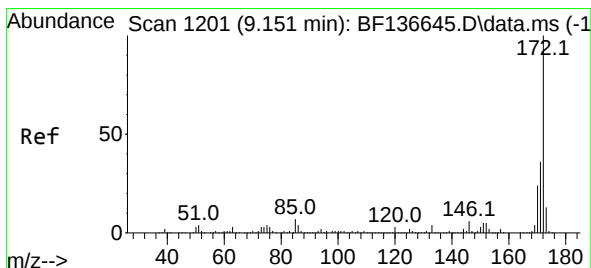
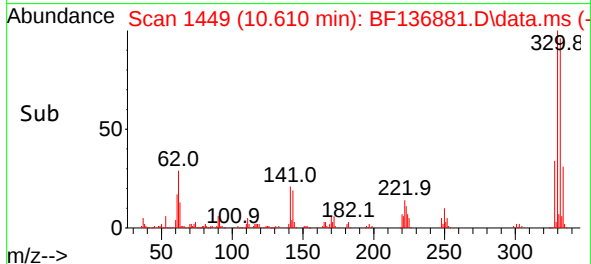
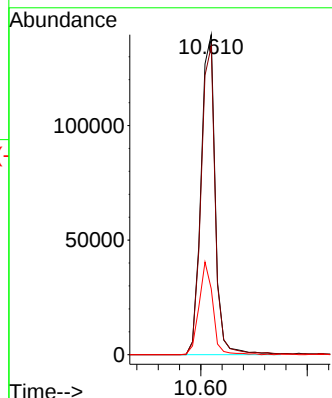
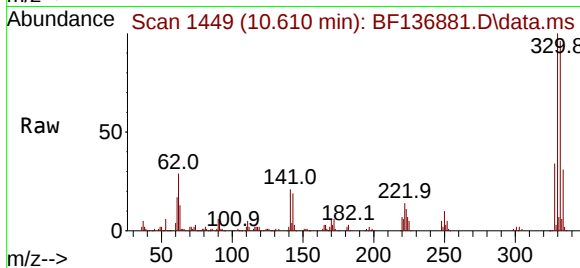
Tgt Ion:330 Resp: 130007

Ion Ratio Lower Upper

330 100

332 96.7 77.4 116.0

141 27.9 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 67.156 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136881.D

Acq: 02 Jan 2024 20:26

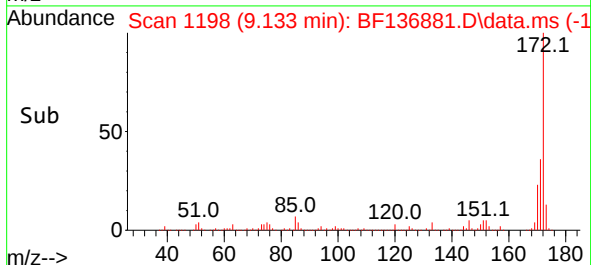
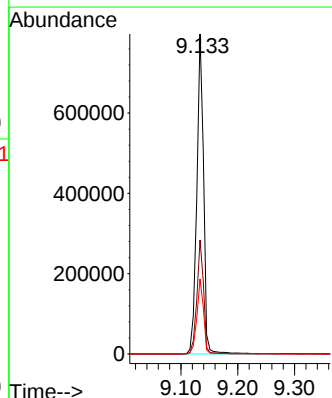
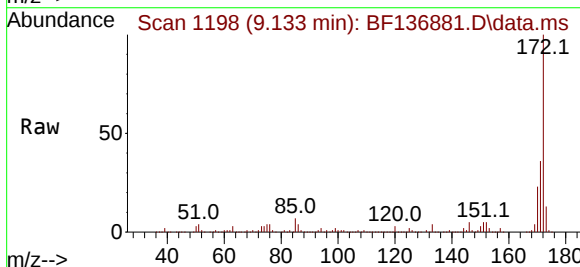
Tgt Ion:172 Resp: 669272

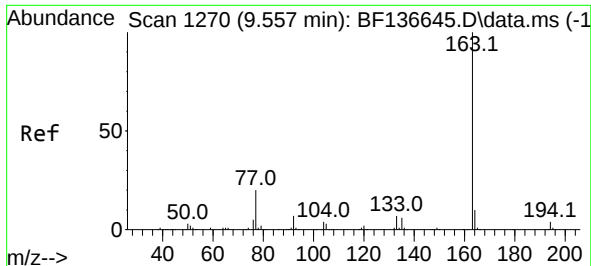
Ion Ratio Lower Upper

172 100

171 35.6 29.0 43.6

170 23.4 19.0 28.4

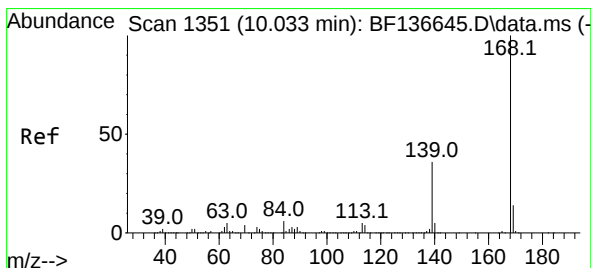
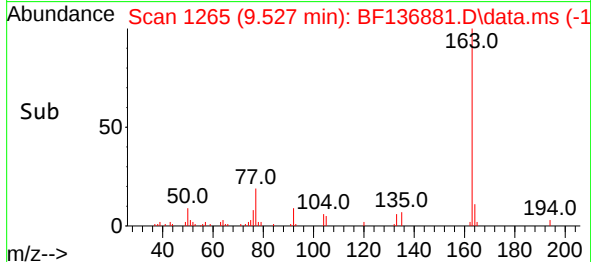
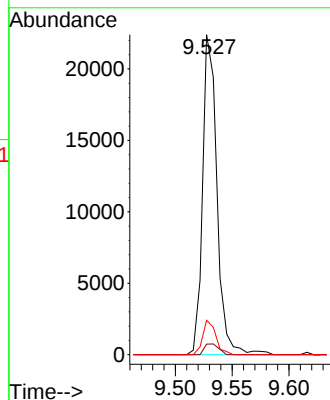
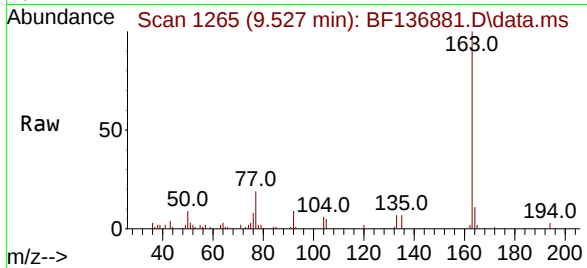




#50
Dimethylphthalate
Concen: 2.017 ng
RT: 9.527 min Scan# 11
Delta R.T. -0.029 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

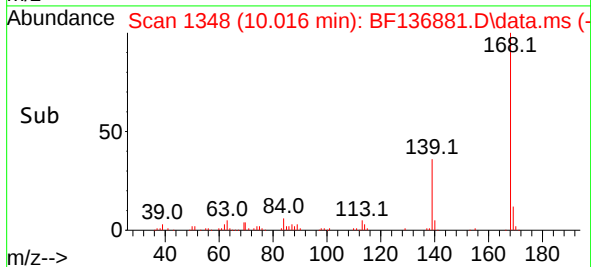
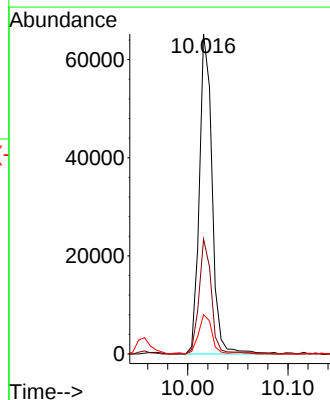
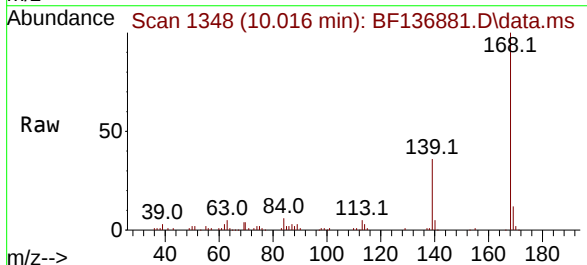
Instrument :
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GHL-SS-72a

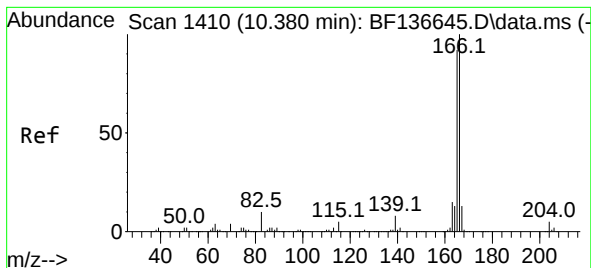
Tgt Ion:163 Resp: 19749
Ion Ratio Lower Upper
163 100
194 3.3 3.3 4.9
164 10.7 7.8 11.6



#55
Dibenzofuran
Concen: 4.701 ng
RT: 10.016 min Scan# 1348
Delta R.T. -0.018 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

Tgt Ion:168 Resp: 57732
Ion Ratio Lower Upper
168 100
139 35.9 29.3 43.9
169 12.3 11.0 16.4





#58

Fluorene

Concen: 9.306 ng

RT: 10.363 min Scan# 1410

Delta R.T. -0.018 min

Lab File: BF136881.D

Acq: 02 Jan 2024 20:26

Instrument :

BNA_F

ClientSampleId :

GHL-SS-72a

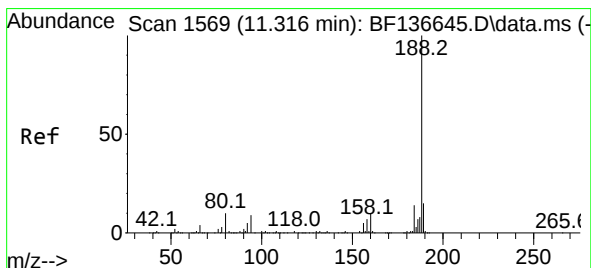
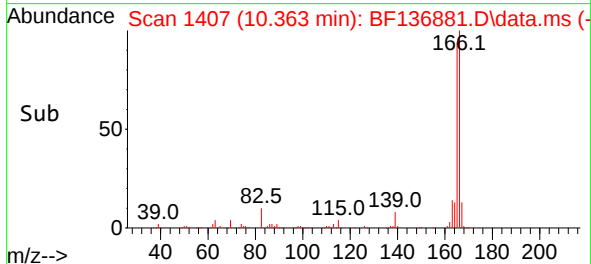
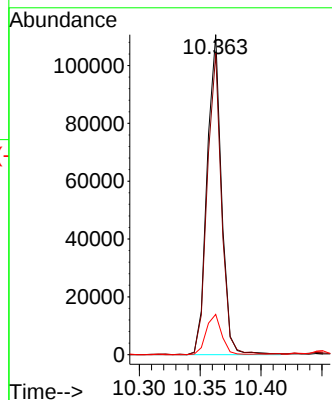
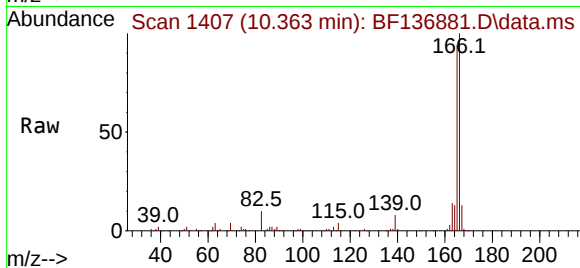
Tgt Ion:166 Resp: 90688

Ion Ratio Lower Upper

166 100

165 94.1 73.7 110.5

167 12.6 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: BF136881.D

Acq: 02 Jan 2024 20:26

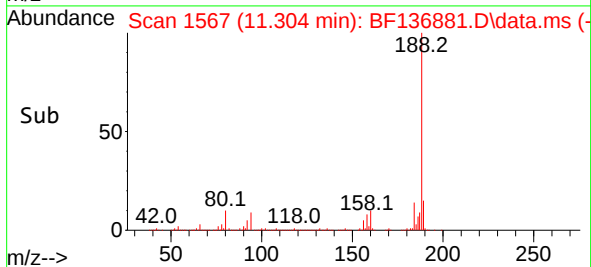
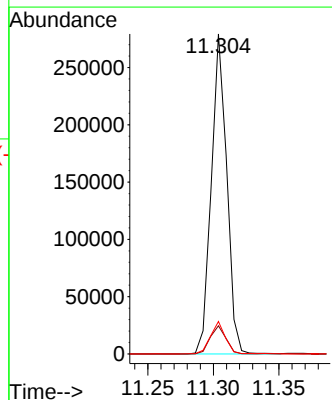
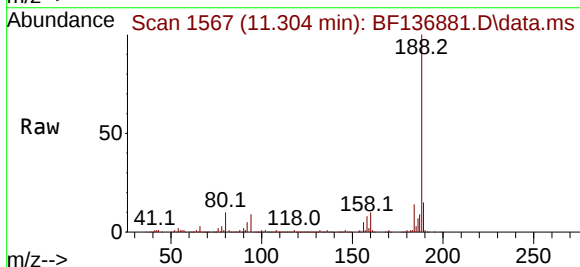
Tgt Ion:188 Resp: 229145

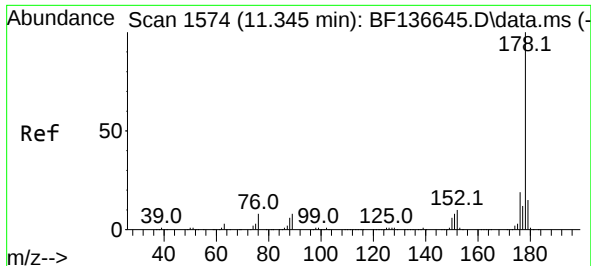
Ion Ratio Lower Upper

188 100

94 8.8 7.5 11.3

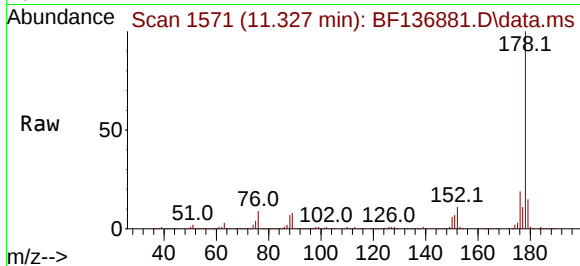
80 10.1 8.1 12.1



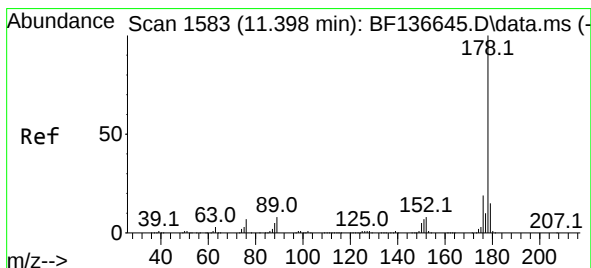
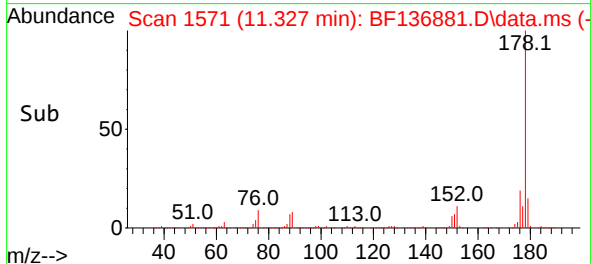
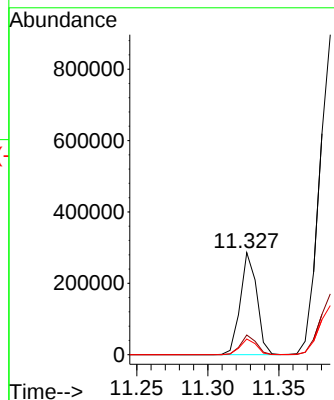


#71
Phenanthrene
Concen: 19.758 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

Instrument :
BNA_F
ClientSampleId :
GHL-SS-72a

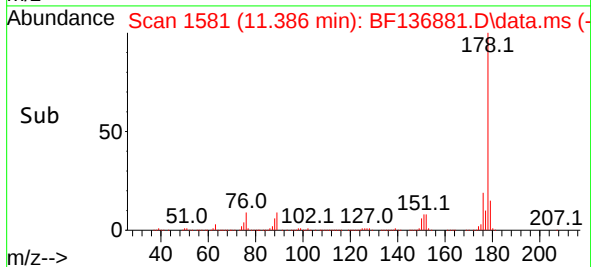
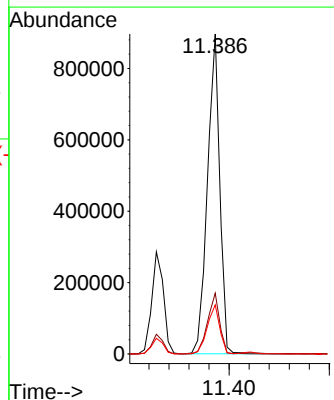
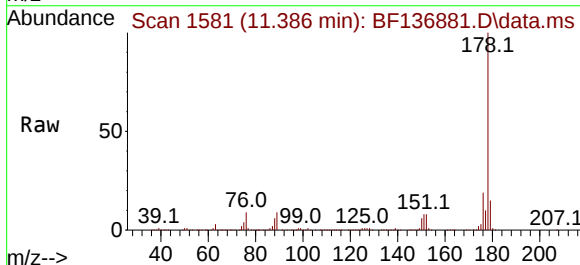


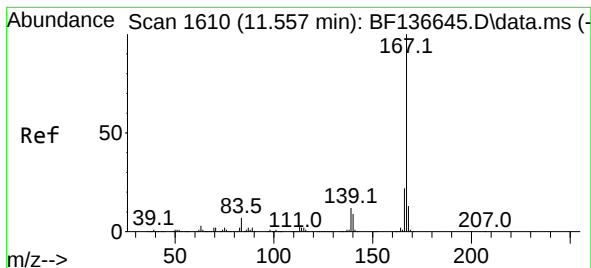
Tgt Ion:178 Resp: 232308
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.4 11.9 17.9



#72
Anthracene
Concen: 64.576 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

Tgt Ion:178 Resp: 768921
Ion Ratio Lower Upper
178 100
176 19.0 14.9 22.3
179 15.3 11.8 17.6





#73

Carbazole

Concen: 21.785 ng

RT: 11.539 min Scan# 1607

Delta R.T. -0.018 min

Lab File: BF136881.D

Acq: 02 Jan 2024 20:26

Instrument :

BNA_F

ClientSampleId :

GHL-SS-72a

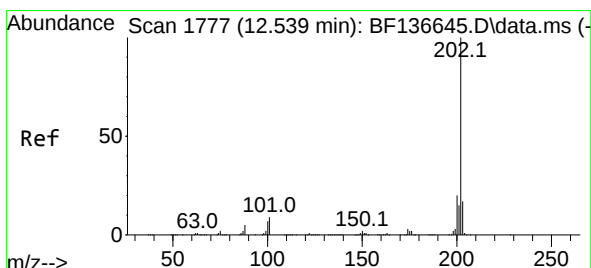
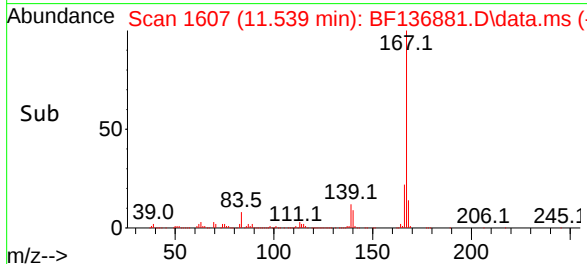
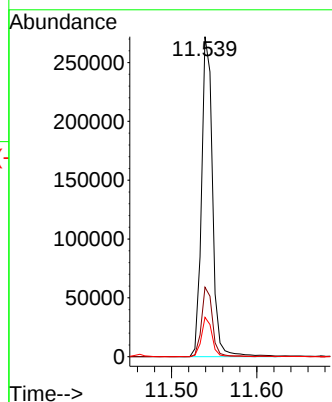
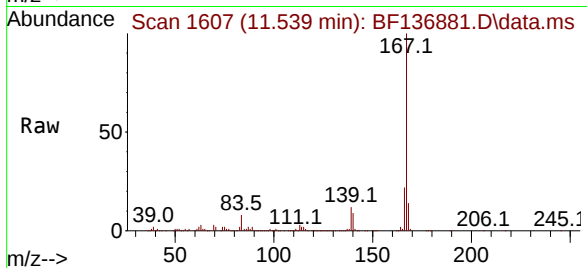
Tgt Ion:167 Resp: 244564

Ion Ratio Lower Upper

167 100

166 21.7 17.3 25.9

139 12.3 9.8 14.6



#75

Fluoranthene

Concen: 5.266 ng

RT: 12.521 min Scan# 1774

Delta R.T. -0.018 min

Lab File: BF136881.D

Acq: 02 Jan 2024 20:26

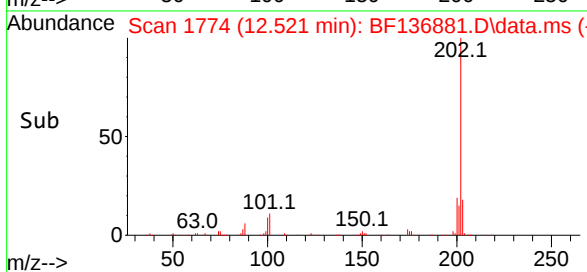
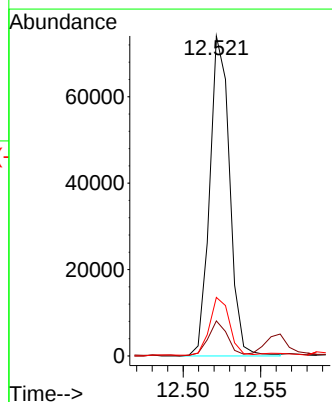
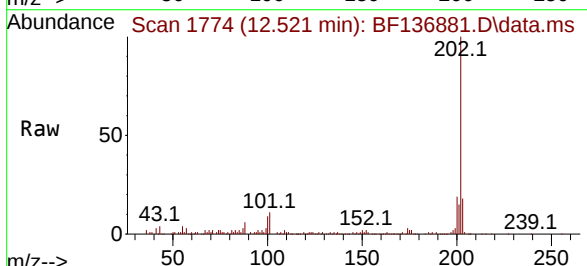
Tgt Ion:202 Resp: 66228

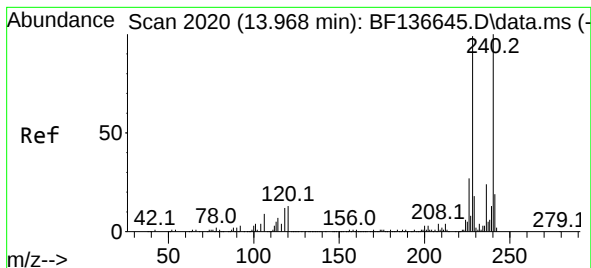
Ion Ratio Lower Upper

202 100

101 11.0 0.0 29.3

203 18.3 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: BF136881.D

Acq: 02 Jan 2024 20:26

Instrument :

BNA_F

ClientSampleId :

GHL-SS-72a

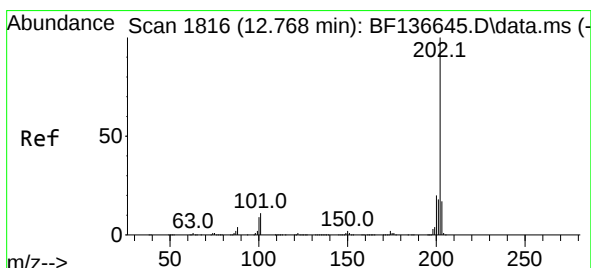
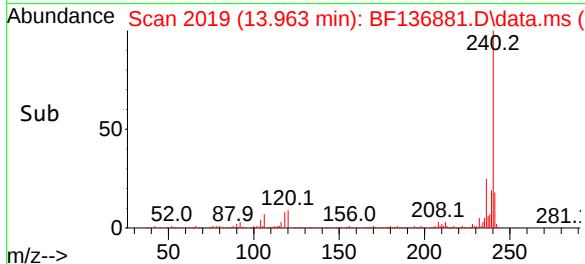
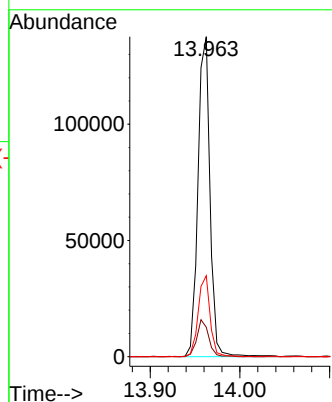
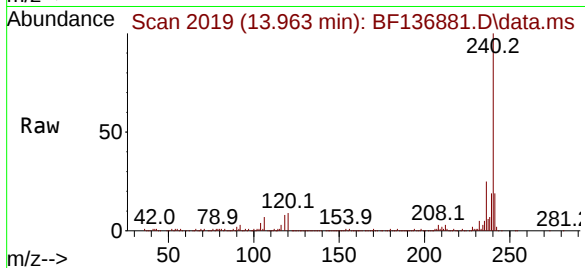
Tgt Ion:240 Resp: 127964

Ion Ratio Lower Upper

240 100

120 9.2 10.3 15.5#

236 25.3 19.4 29.2



#78

Pyrene

Concen: 3.657 ng

RT: 12.751 min Scan# 1813

Delta R.T. -0.018 min

Lab File: BF136881.D

Acq: 02 Jan 2024 20:26

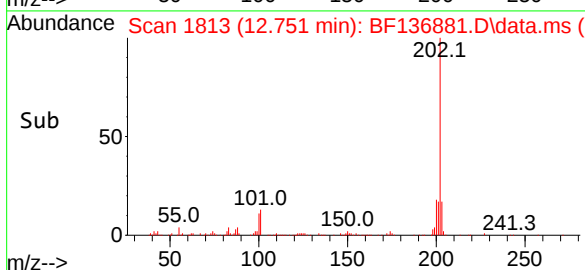
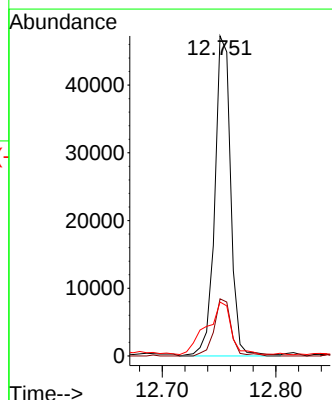
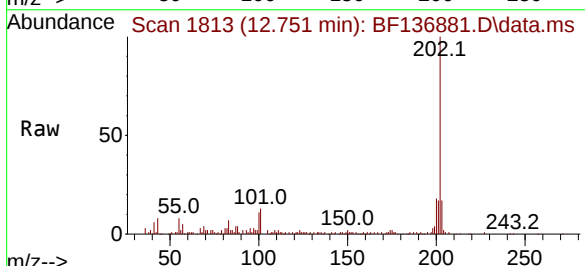
Tgt Ion:202 Resp: 45942

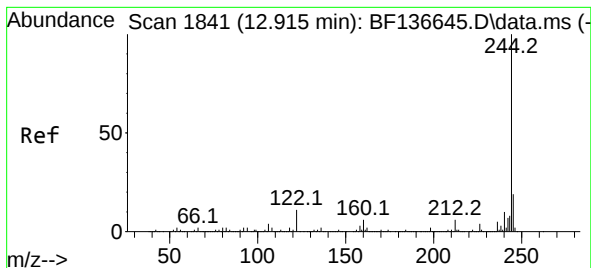
Ion Ratio Lower Upper

202 100

200 17.8 15.9 23.9

203 16.9 13.8 20.6





#79

Terphenyl-d14

Concen: 59.279 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136881.D

Acq: 02 Jan 2024 20:26

Instrument :

BNA_F

ClientSampleId :

GHL-SS-72a

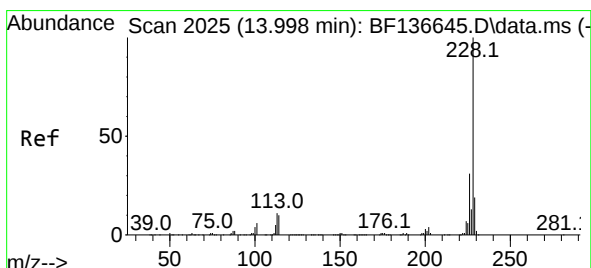
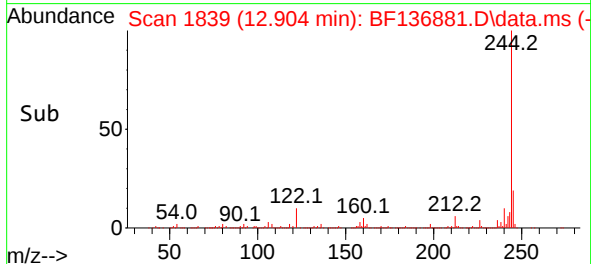
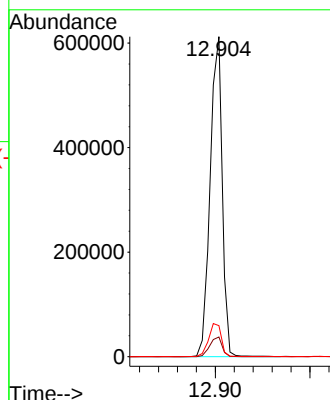
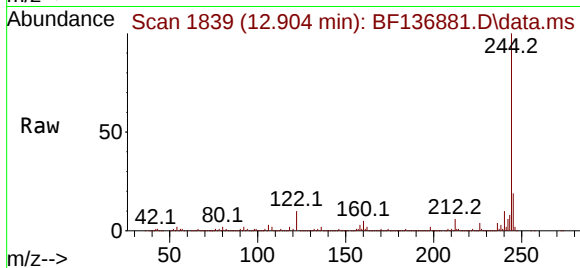
Tgt Ion:244 Resp: 542808

Ion Ratio Lower Upper

244 100

212 6.2 5.0 7.4

122 9.7 9.0 13.4



#83

Chrysene

Concen: 3.169 ng

RT: 13.986 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF136881.D

Acq: 02 Jan 2024 20:26

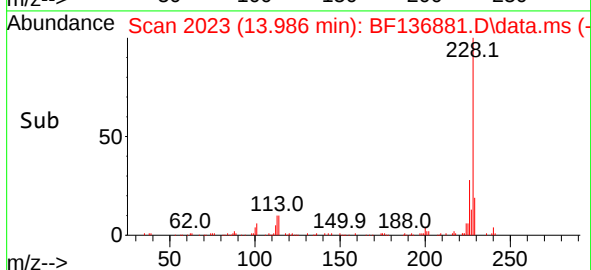
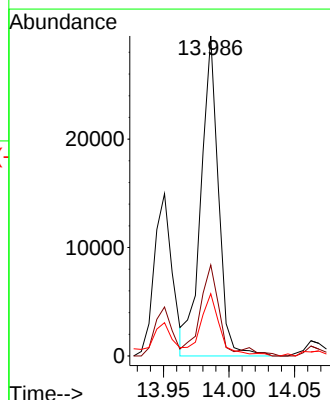
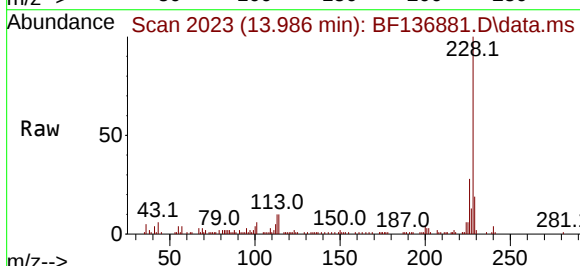
Tgt Ion:228 Resp: 27533

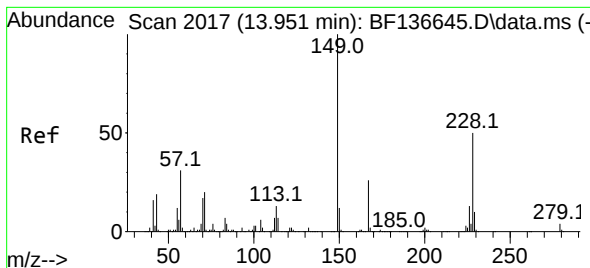
Ion Ratio Lower Upper

228 100

226 28.4 24.7 37.1

229 19.4 15.4 23.0

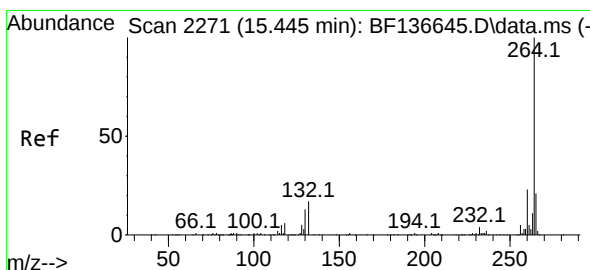
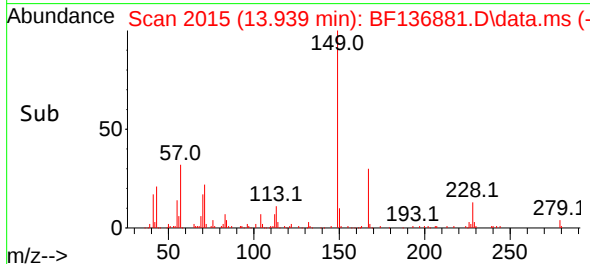
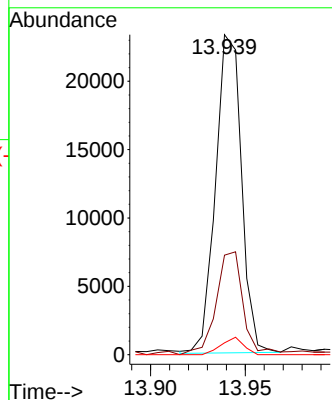
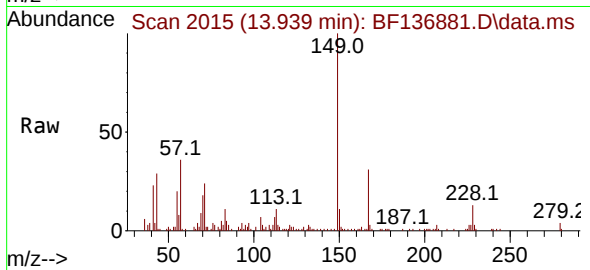




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.857 ng
 RT: 13.939 min Scan# 2015
 Delta R.T. -0.012 min
 Lab File: BF136881.D
 Acq: 02 Jan 2024 20:26

Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-72a

Tgt Ion:149	Resp:	22181
Ion	Ratio	Lower Upper
149	100	
167	31.1	20.9 31.3
279	3.7	2.9 4.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.439 min Scan# 2270
 Delta R.T. -0.006 min
 Lab File: BF136881.D
 Acq: 02 Jan 2024 20:26

Tgt Ion:264	Resp:	149177
Ion	Ratio	Lower Upper
264	100	
260	21.7	18.3 27.5
265	20.4	17.0 25.6

