

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010224\
 Data File : BF136895.D
 Acq On : 03 Jan 2024 03:44
 Operator : CG\JU
 Sample : 05899-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-10-0-2

Quant Time: Jan 03 04:21:48 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)

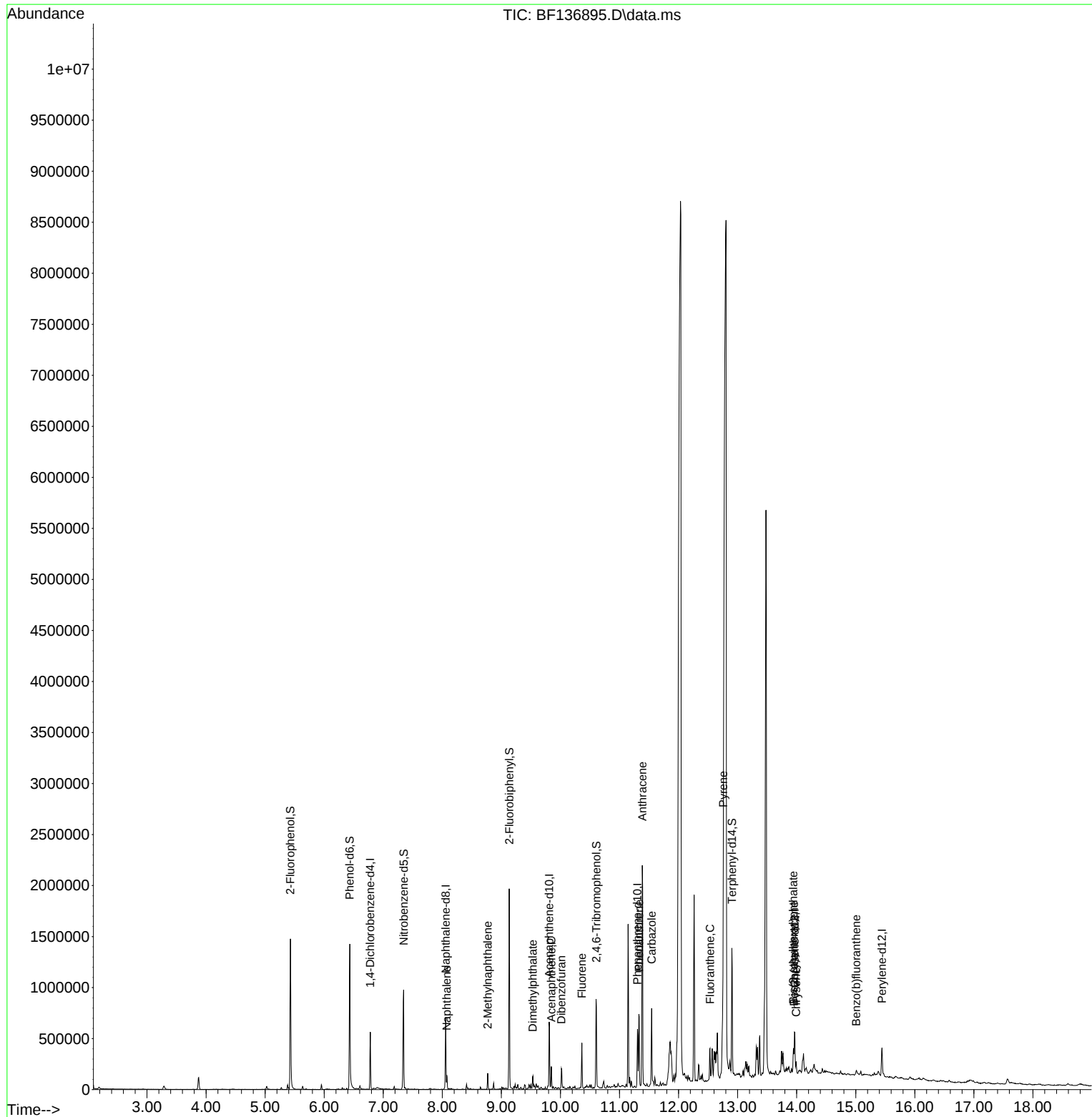
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	76817	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	276536	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	132257	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	207831	20.000	ng	-0.01
76) Chrysene-d12	13.968	240	132717	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	131609	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	394693	80.169	ng	0.00
7) Phenol-d6	6.434	99	498094	78.079	ng	0.00
23) Nitrobenzene-d5	7.345	82	304038	56.260	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	110937	71.222	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	584305	59.421	ng	-0.02
79) Terphenyl-d14	12.904	244	449894	47.372	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.075	128	56631	3.728	ng	98
37) 2-Methylnaphthalene	8.769	142	37429	3.828	ng	96
50) Dimethylphthalate	9.533	163	26467	2.740	ng	97
52) Acenaphthene	9.845	154	39331	4.920	ng	98
55) Dibenzofuran	10.016	168	78561	6.483	ng	97
58) Fluorene	10.363	166	110740	11.517	ng	99
71) Phenanthrene	11.333	178	273150	25.614	ng	100
72) Anthracene	11.386	178	916394	84.853	ng	99
73) Carbazole	11.545	167	289973	28.479	ng	99
75) Fluoranthene	12.533	202	132798	11.642	ng	99
78) Pyrene	12.757	202	79201	6.079	ng	98
81) Benzo(a)anthracene	13.957	228	30765	3.338	ng	96
83) Chrysene	13.992	228	41574	4.613	ng	98
84) Bis(2-ethylhexyl)phtha...	13.945	149	57814	9.693	ng	# 98
88) Benzo(b)fluoranthene	15.010	252	21533	2.450	ng	# 89

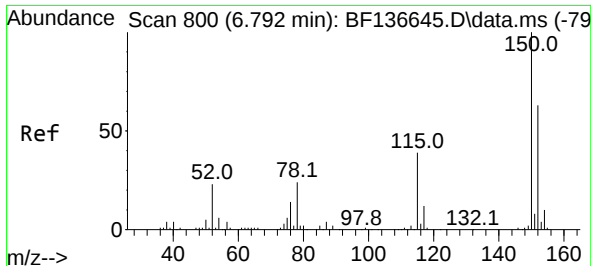
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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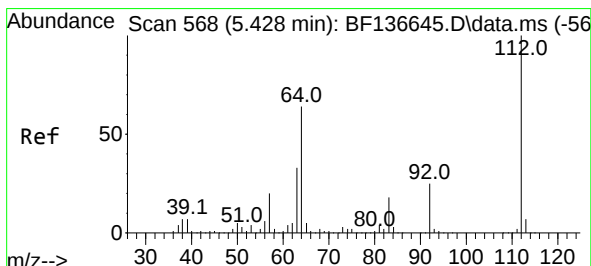
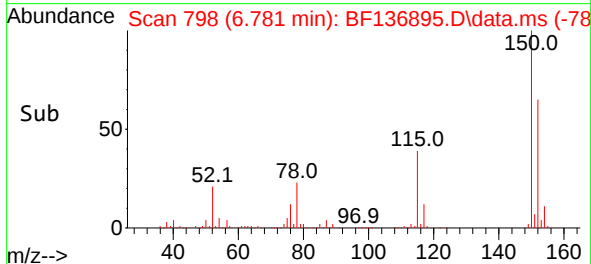
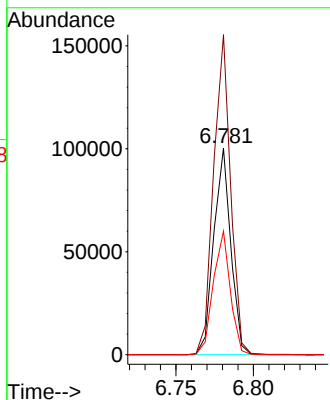
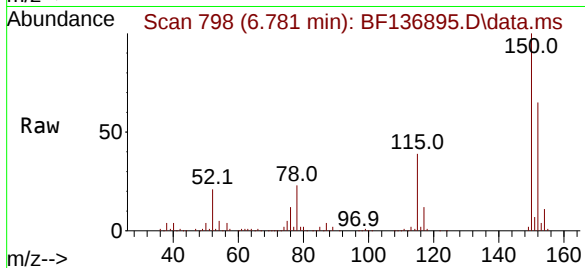




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF136895.D
 Acq: 03 Jan 2024 03:44

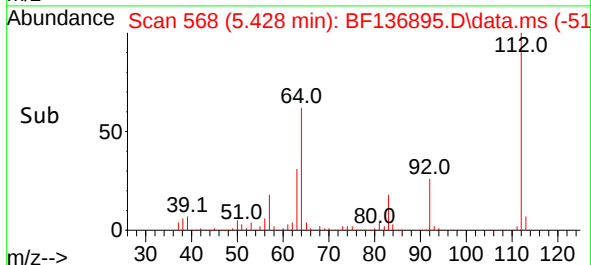
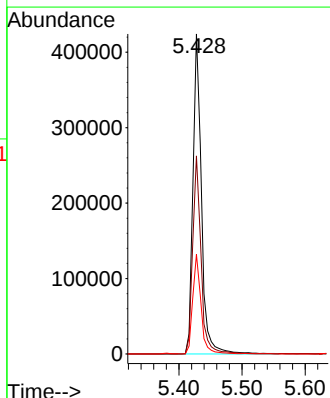
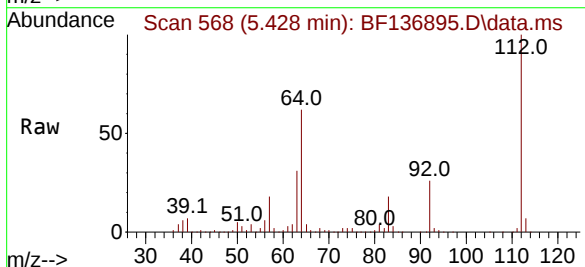
Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-10-0-2

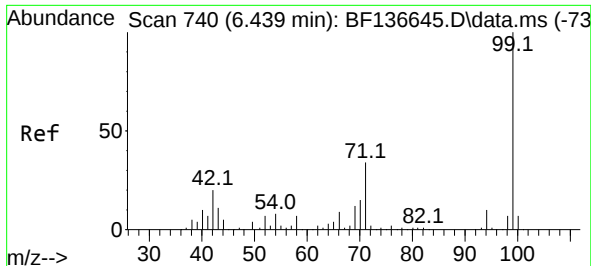
Tgt Ion:152 Resp: 76817
 Ion Ratio Lower Upper
 152 100
 150 154.9 127.0 190.6
 115 59.8 49.0 73.4



#5
 2-Fluorophenol
 Concen: 80.169 ng
 RT: 5.428 min Scan# 568
 Delta R.T. 0.000 min
 Lab File: BF136895.D
 Acq: 03 Jan 2024 03:44

Tgt Ion:112 Resp: 394693
 Ion Ratio Lower Upper
 112 100
 64 61.9 51.1 76.7
 63 31.2 26.1 39.1

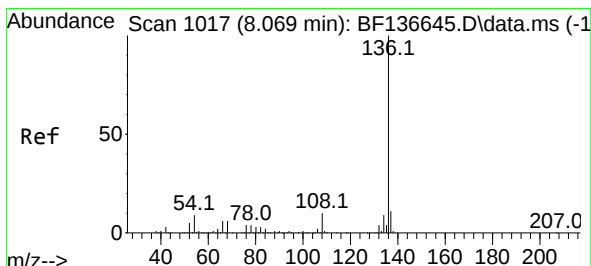
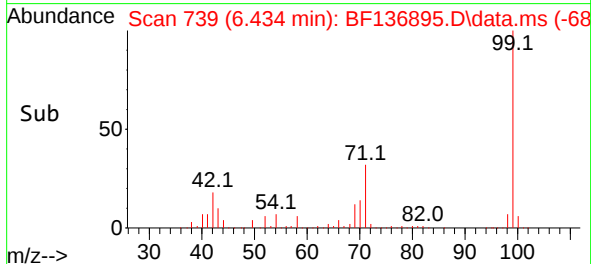
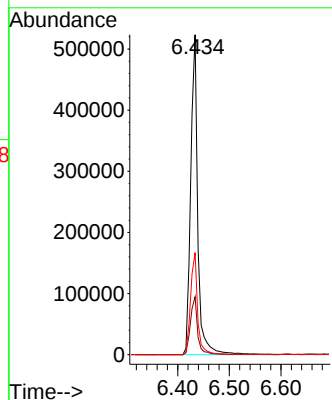
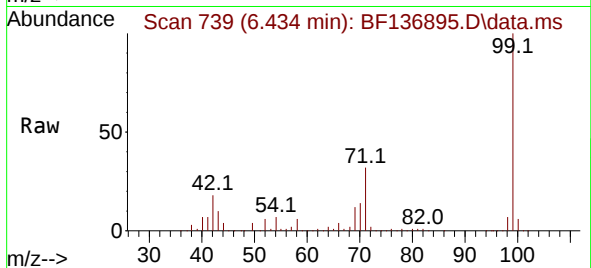




#7
Phenol-d6
Concen: 78.079 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44

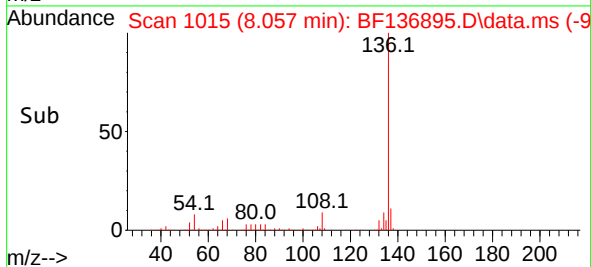
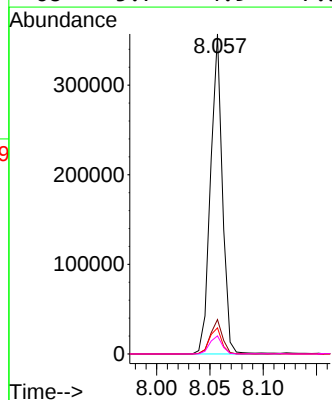
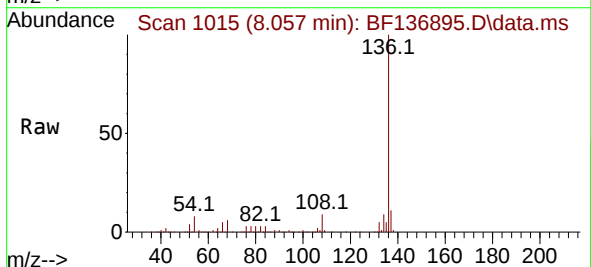
Instrument :
BNA_F
ClientSampleId :
GHL-SS-10-0-2

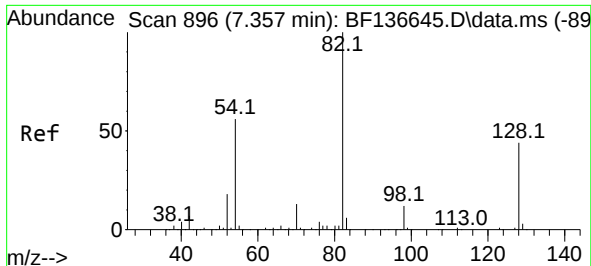
Tgt Ion: 99 Resp: 498094
Ion Ratio Lower Upper
99 100
42 18.1 16.1 24.1
71 31.9 27.4 41.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44

Tgt Ion: 136 Resp: 276536
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 8.2 7.2 10.8
68 5.7 4.9 7.3





#23

Nitrobenzene-d5

Concen: 56.260 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136895.D

Acq: 03 Jan 2024 03:44

Instrument :

BNA_F

ClientSampleId :

GHL-SS-10-0-2

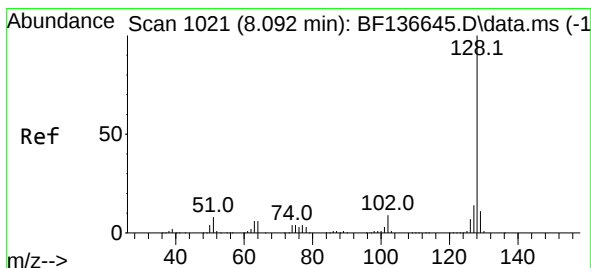
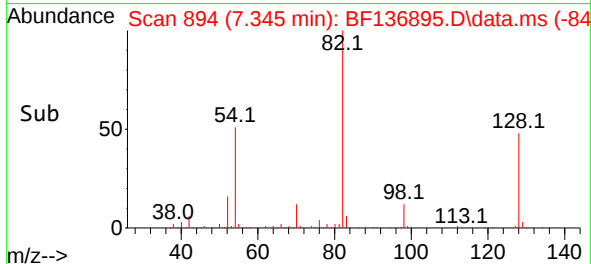
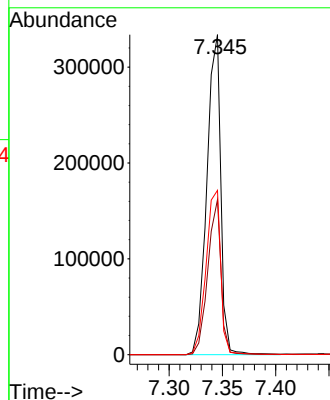
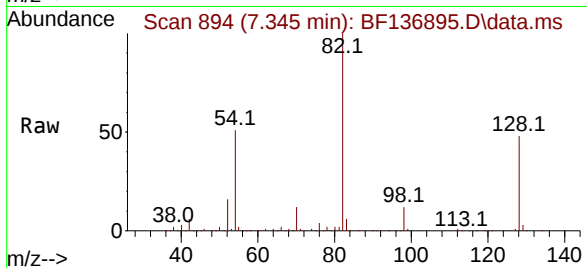
Tgt Ion: 82 Resp: 304038

Ion Ratio Lower Upper

82 100

128 48.5 35.3 52.9

54 51.3 44.5 66.7



#31

Naphthalene

Concen: 3.728 ng

RT: 8.075 min Scan# 1018

Delta R.T. -0.018 min

Lab File: BF136895.D

Acq: 03 Jan 2024 03:44

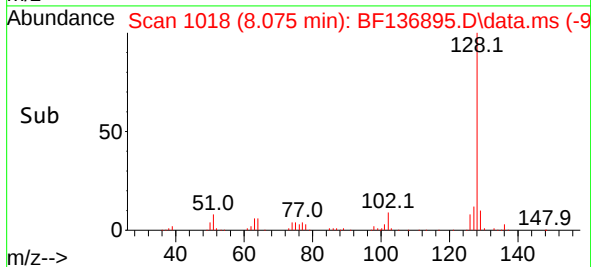
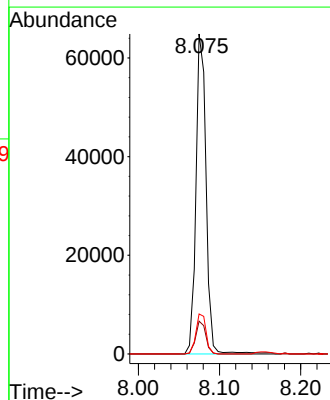
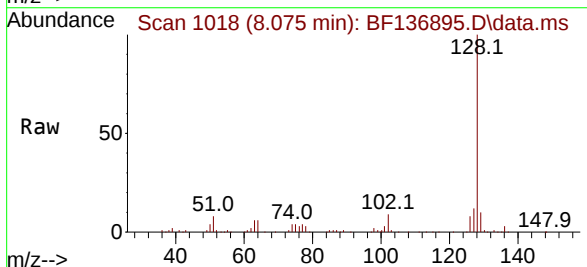
Tgt Ion: 128 Resp: 56631

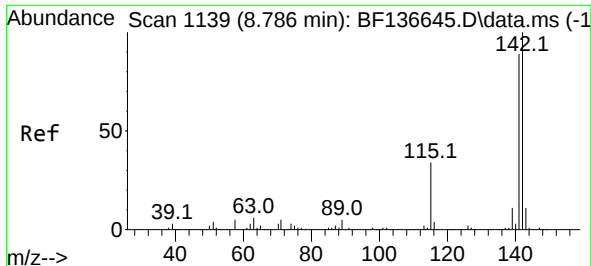
Ion Ratio Lower Upper

128 100

129 10.3 8.7 13.1

127 12.5 10.8 16.2

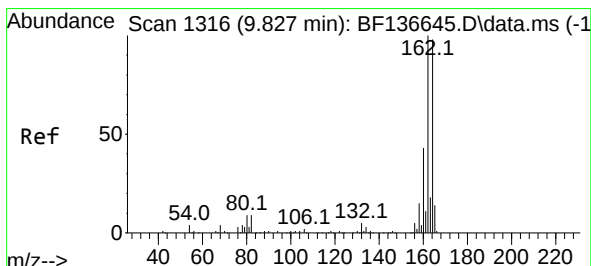
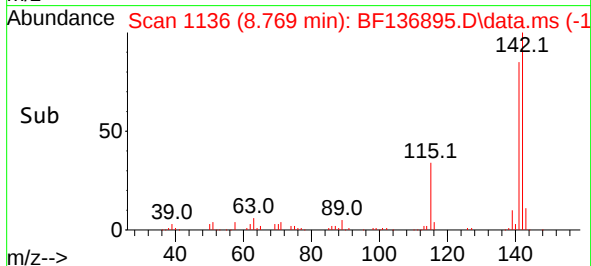
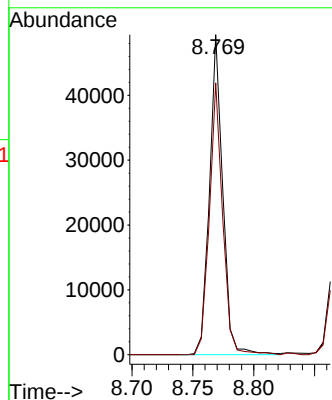
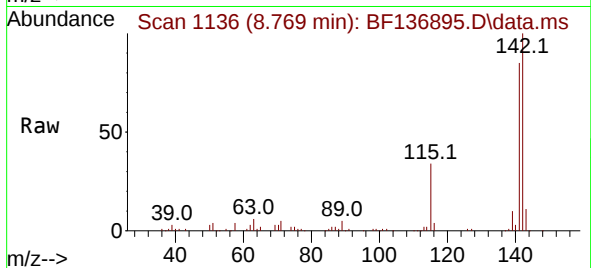




#37
2-Methylnaphthalene
Concen: 3.828 ng
RT: 8.769 min Scan# 1139
Delta R.T. -0.018 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44

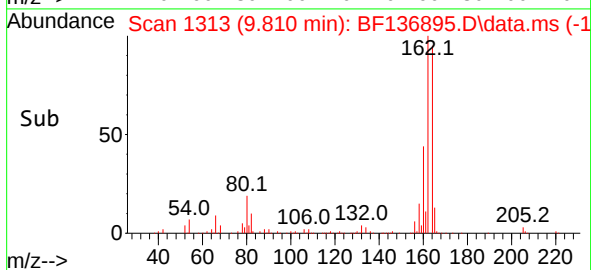
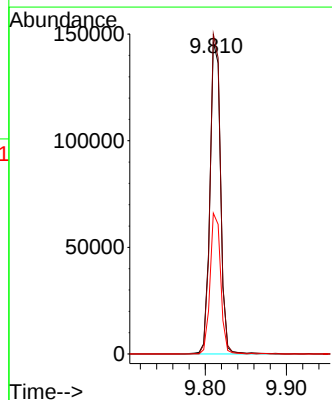
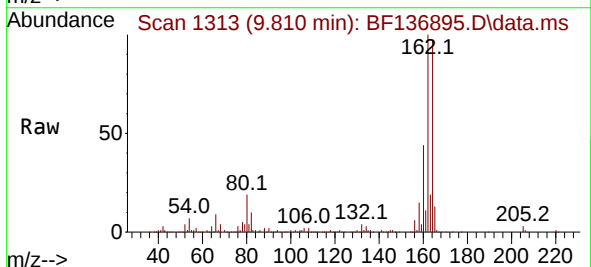
Instrument :
BNA_F
ClientSampleId :
GHL-SS-10-0-2

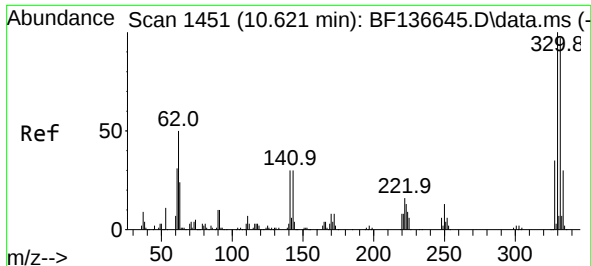
Tgt Ion:142 Resp: 37429
Ion Ratio Lower Upper
142 100
141 84.9 71.1 106.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44

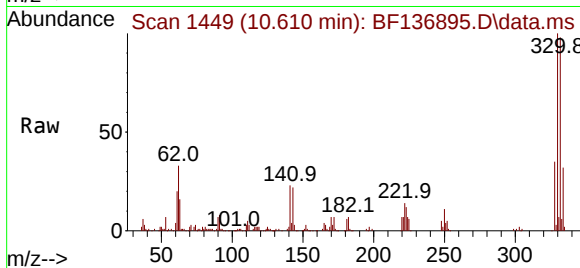
Tgt Ion:164 Resp: 132257
Ion Ratio Lower Upper
164 100
162 102.6 81.6 122.4
160 45.1 34.9 52.3



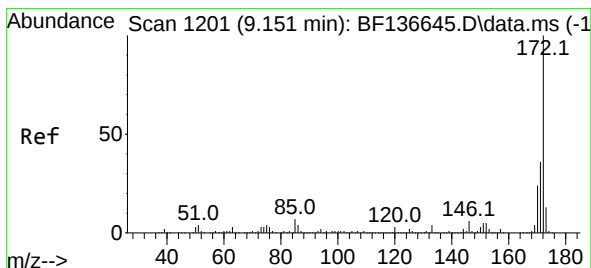
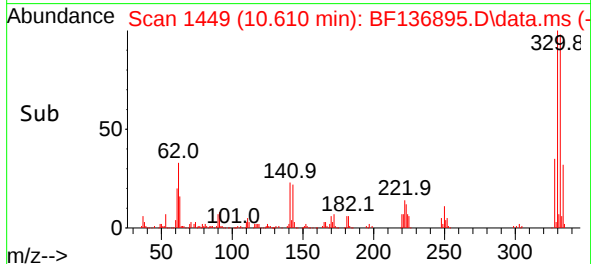
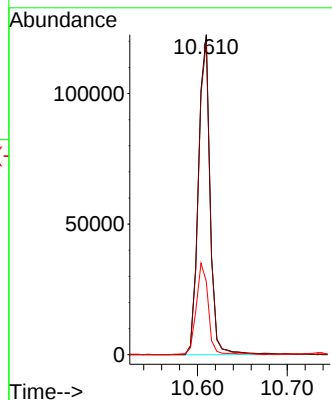


#42
2,4,6-Tribromophenol
Concen: 71.222 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44

Instrument :
BNA_F
ClientSampleId :
GHL-SS-10-0-2

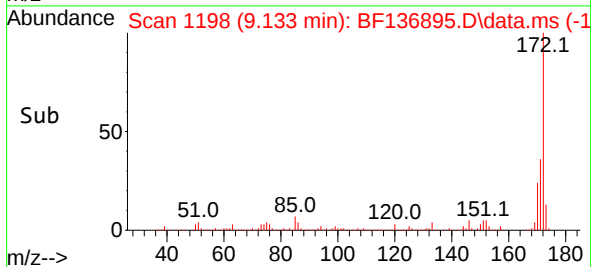
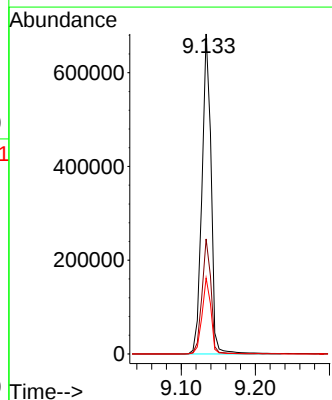
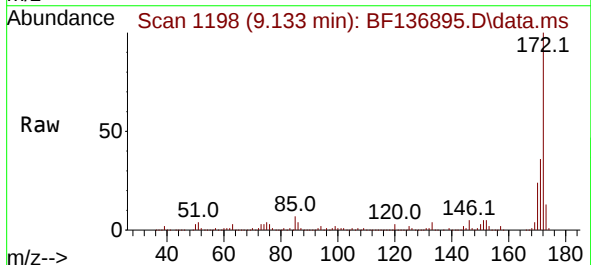


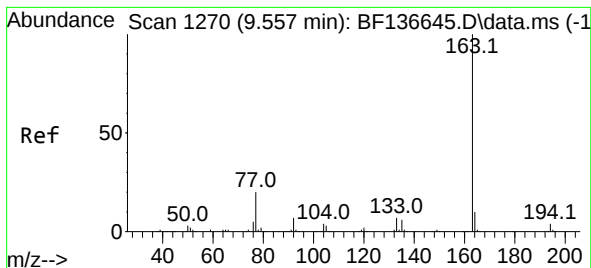
Tgt Ion:330 Resp: 110937
Ion Ratio Lower Upper
330 100
332 97.9 77.4 116.0
141 29.5 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 59.421 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44

Tgt Ion:172 Resp: 584305
Ion Ratio Lower Upper
172 100
171 36.0 29.0 43.6
170 23.8 19.0 28.4





#50

Dimethylphthalate

Concen: 2.740 ng

RT: 9.533 min Scan# 1319

Delta R.T. -0.023 min

Lab File: BF136895.D

Acq: 03 Jan 2024 03:44

Instrument :

BNA_F

ClientSampleId :

GHL-SS-10-0-2

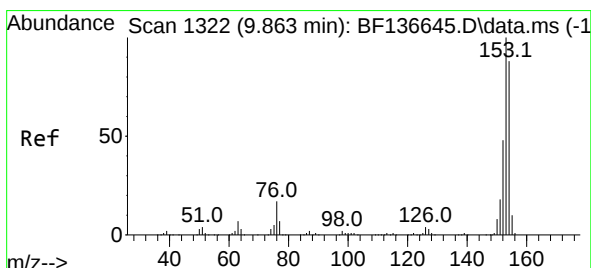
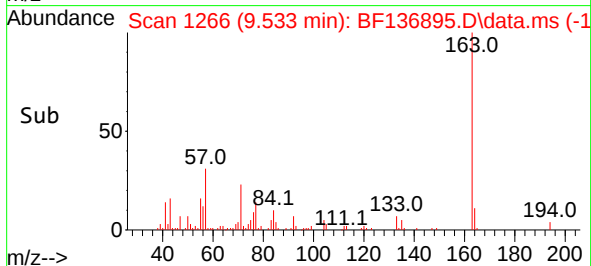
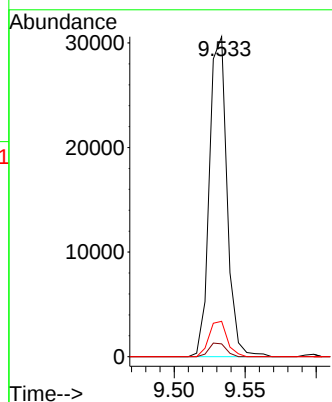
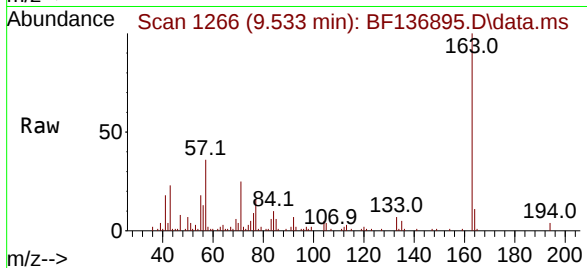
Tgt Ion:163 Resp: 26467

Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 11.0 7.8 11.6



#52

Acenaphthene

Concen: 4.920 ng

RT: 9.845 min Scan# 1319

Delta R.T. -0.018 min

Lab File: BF136895.D

Acq: 03 Jan 2024 03:44

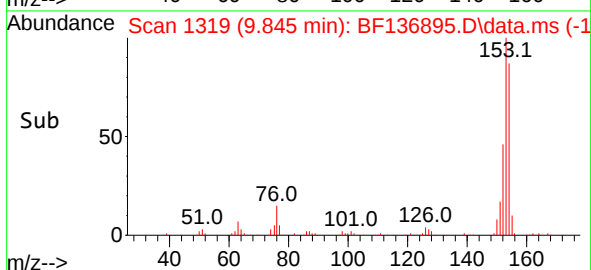
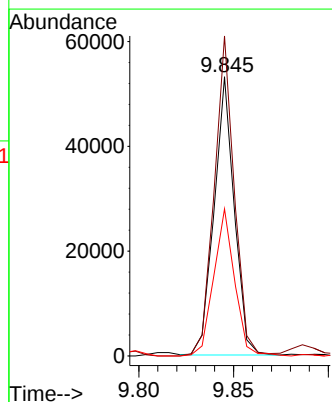
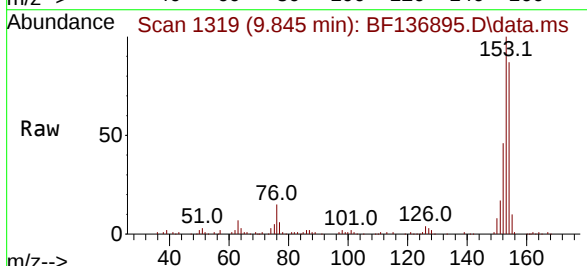
Tgt Ion:154 Resp: 39331

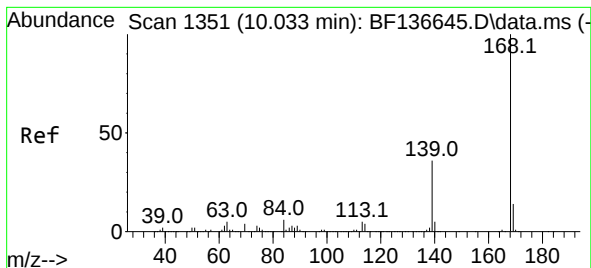
Ion Ratio Lower Upper

154 100

153 114.6 90.7 136.1

152 52.7 43.7 65.5





#55

Dibenzenofuran

Concen: 6.483 ng

RT: 10.016 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF136895.D

Acq: 03 Jan 2024 03:44

Instrument :

BNA_F

ClientSampleId :

GHL-SS-10-0-2

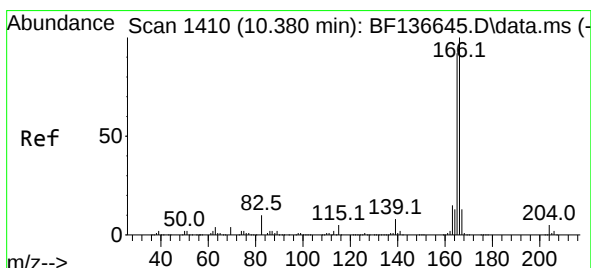
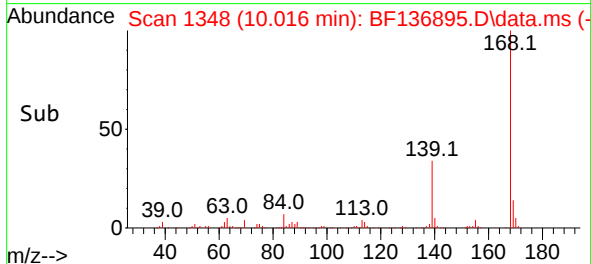
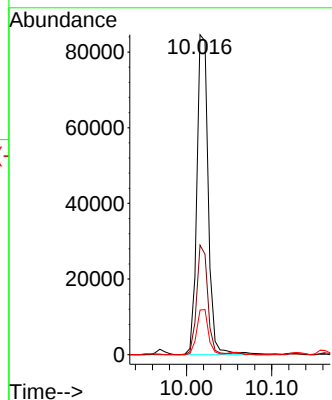
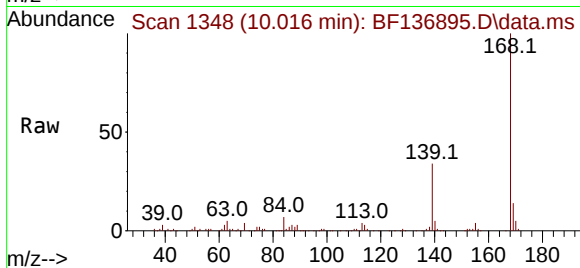
Tgt Ion:168 Resp: 78561

Ion Ratio Lower Upper

168 100

139 34.2 29.3 43.9

169 14.0 11.0 16.4



#58

Fluorene

Concen: 11.517 ng

RT: 10.363 min Scan# 1407

Delta R.T. -0.018 min

Lab File: BF136895.D

Acq: 03 Jan 2024 03:44

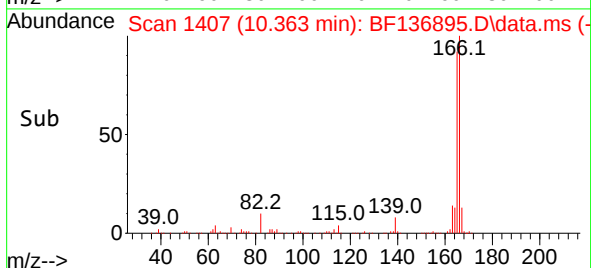
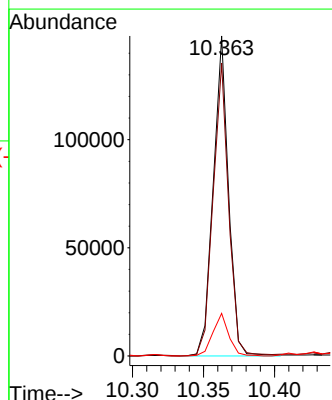
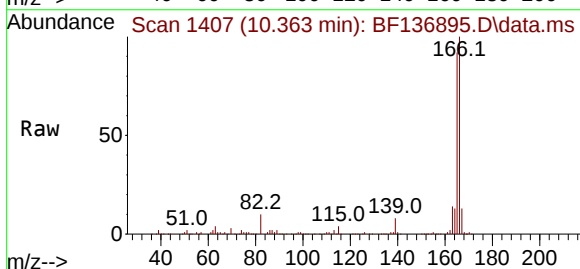
Tgt Ion:166 Resp: 110740

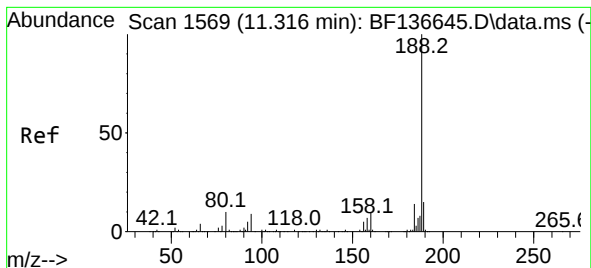
Ion Ratio Lower Upper

166 100

165 91.6 73.7 110.5

167 13.3 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: BF136895.D

Acq: 03 Jan 2024 03:44

Instrument :

BNA_F

ClientSampleId :

GHL-SS-10-0-2

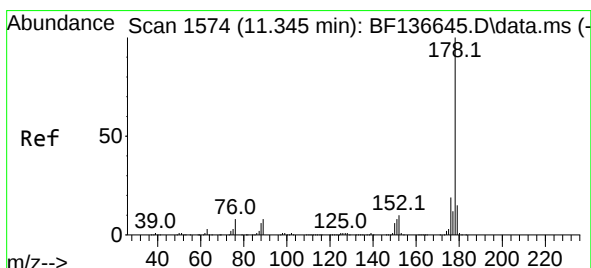
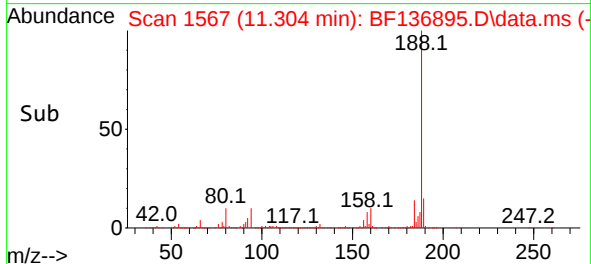
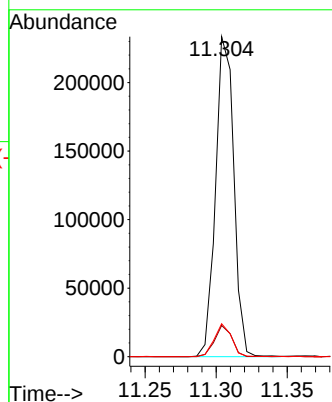
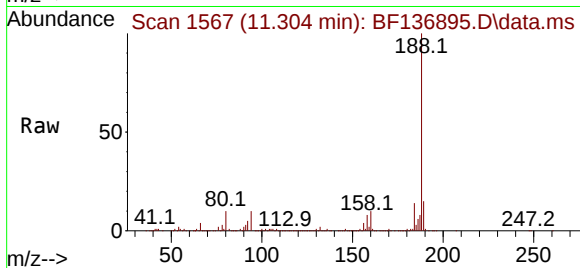
Tgt Ion:188 Resp: 207831

Ion Ratio Lower Upper

188 100

94 9.8 7.5 11.3

80 10.3 8.1 12.1



#71

Phenanthrene

Concen: 25.614 ng

RT: 11.333 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF136895.D

Acq: 03 Jan 2024 03:44

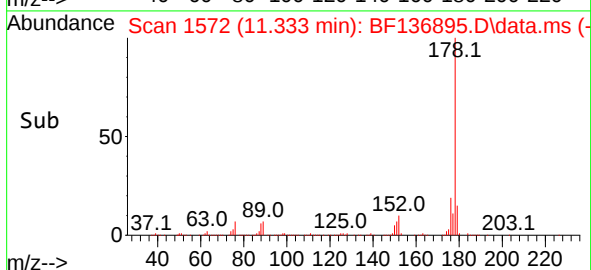
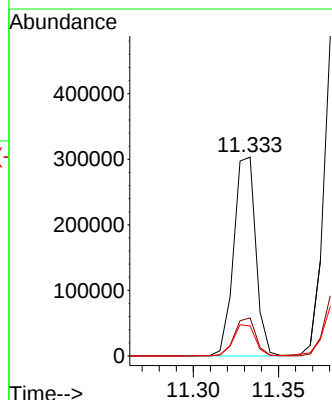
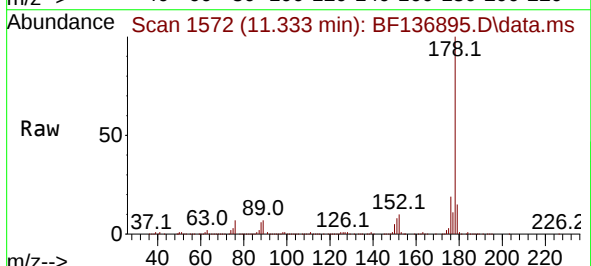
Tgt Ion:178 Resp: 273150

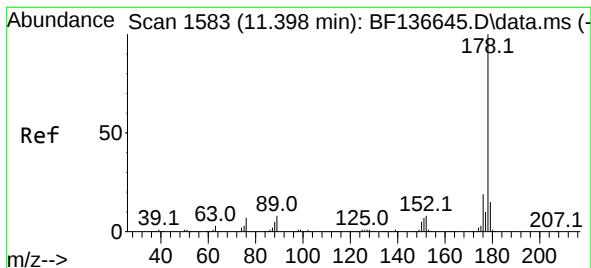
Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 15.2 11.9 17.9





#72

Anthracene

Concen: 84.853 ng

RT: 11.386 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136895.D

Acq: 03 Jan 2024 03:44

Instrument :

BNA_F

ClientSampleId :

GHL-SS-10-0-2

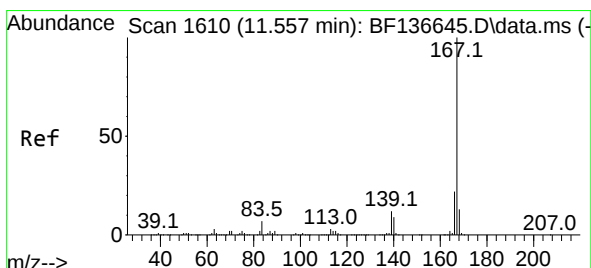
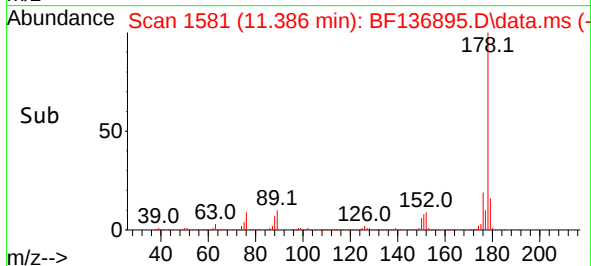
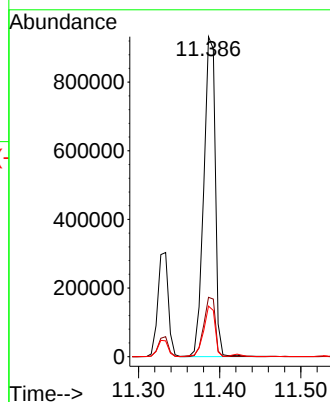
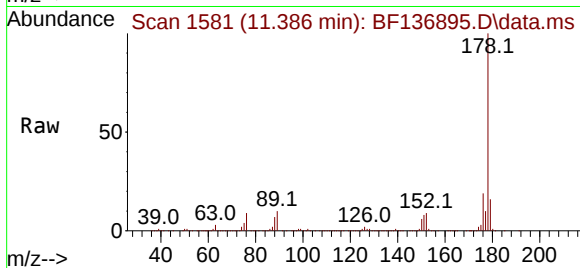
Tgt Ion:178 Resp: 916394

Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

179 15.8 11.8 17.6



#73

Carbazole

Concen: 28.479 ng

RT: 11.545 min Scan# 1608

Delta R.T. -0.012 min

Lab File: BF136895.D

Acq: 03 Jan 2024 03:44

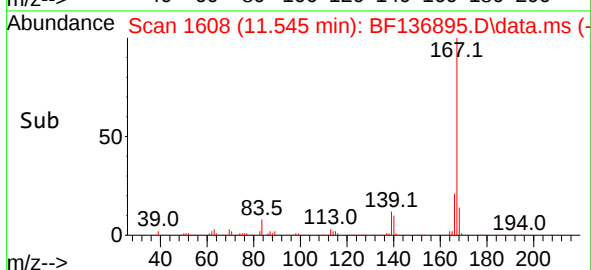
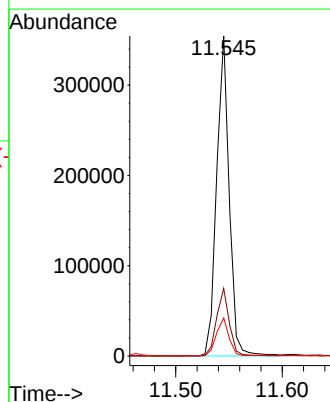
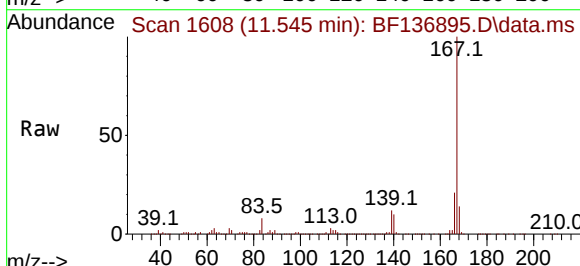
Tgt Ion:167 Resp: 289973

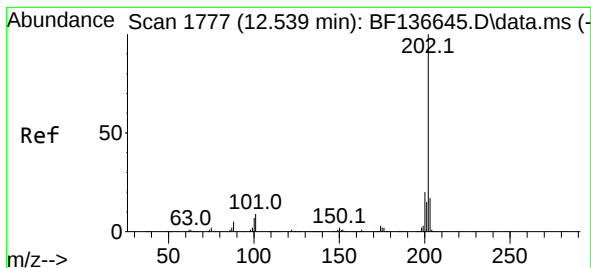
Ion Ratio Lower Upper

167 100

166 21.1 17.3 25.9

139 11.9 9.8 14.6





#75

Fluoranthene

Concen: 11.642 ng

RT: 12.533 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136895.D

Acq: 03 Jan 2024 03:44

Instrument :

BNA_F

ClientSampleId :

GHL-SS-10-0-2

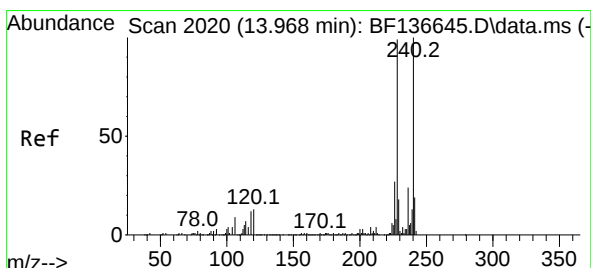
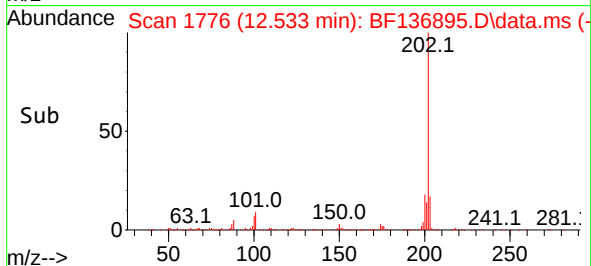
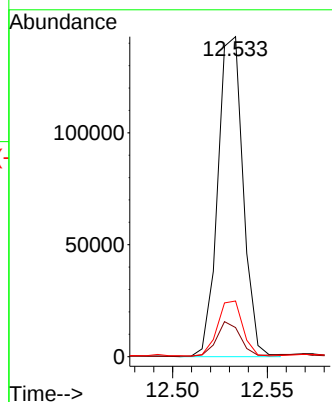
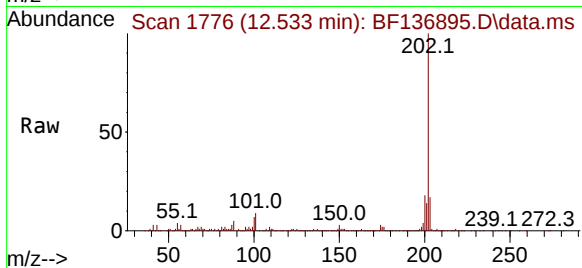
Tgt Ion:202 Resp: 132798

Ion Ratio Lower Upper

202 100

101 9.1 0.0 29.3

203 17.4 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF136895.D

Acq: 03 Jan 2024 03:44

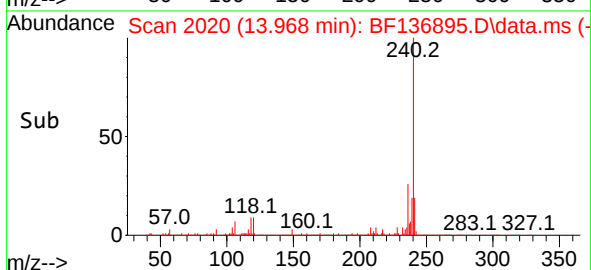
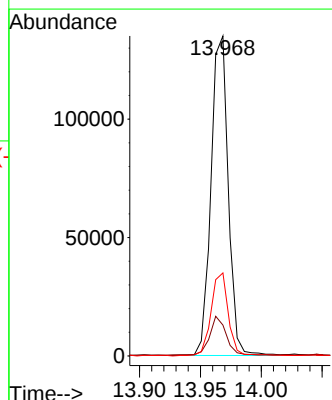
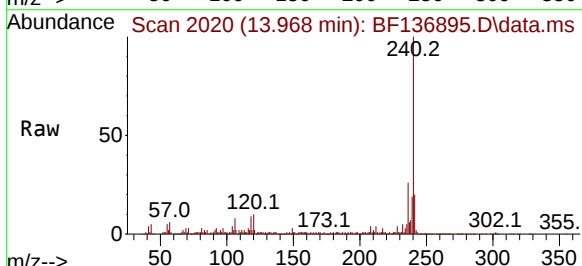
Tgt Ion:240 Resp: 132717

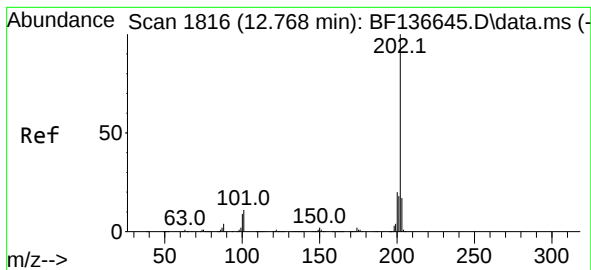
Ion Ratio Lower Upper

240 100

120 9.7 10.3 15.5#

236 25.9 19.4 29.2





#78

Pyrene

Concen: 6.079 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136895.D

Acq: 03 Jan 2024 03:44

Instrument :

BNA_F

ClientSampleId :

GHL-SS-10-0-2

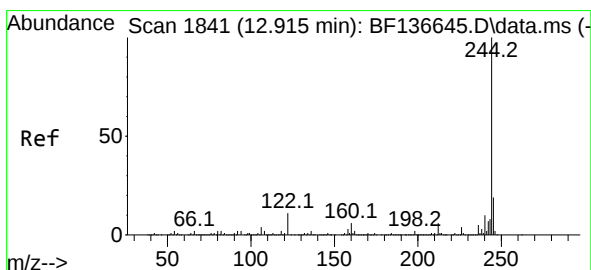
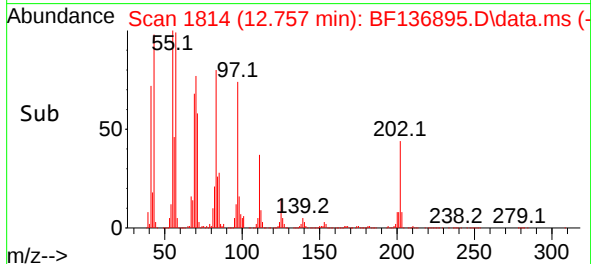
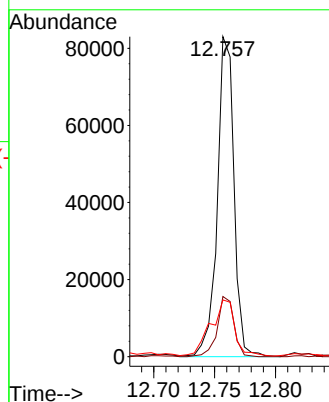
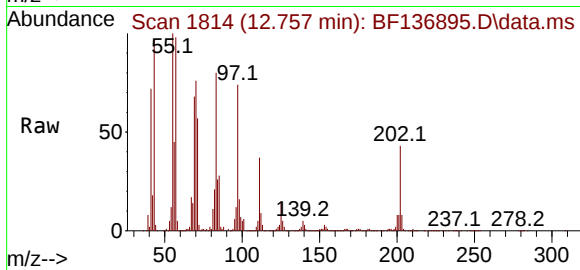
Tgt Ion:202 Resp: 79201

Ion Ratio Lower Upper

202 100

200 18.8 15.9 23.9

203 17.8 13.8 20.6



#79

Terphenyl-d14

Concen: 47.372 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136895.D

Acq: 03 Jan 2024 03:44

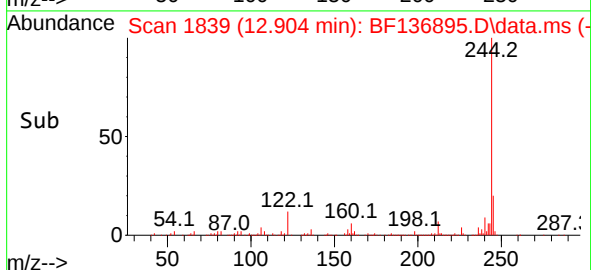
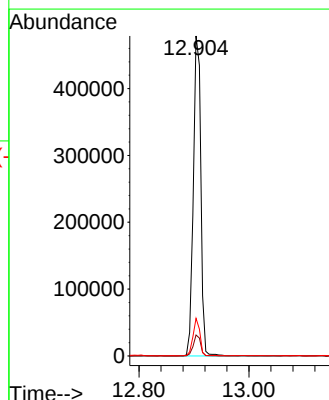
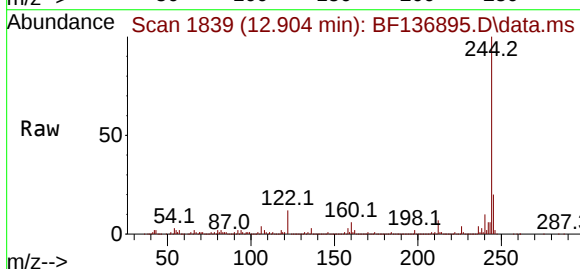
Tgt Ion:244 Resp: 449894

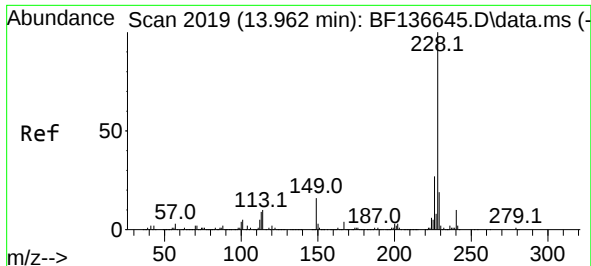
Ion Ratio Lower Upper

244 100

212 6.6 5.0 7.4

122 11.8 9.0 13.4

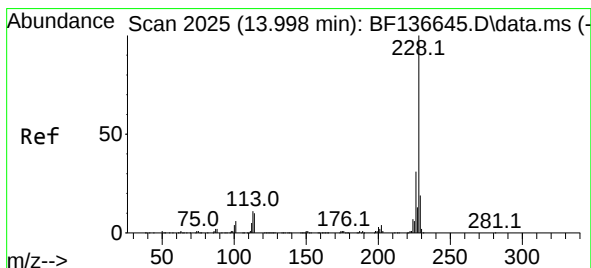
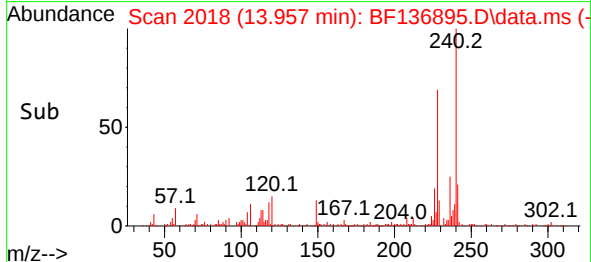
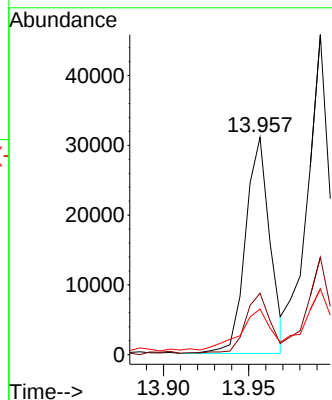
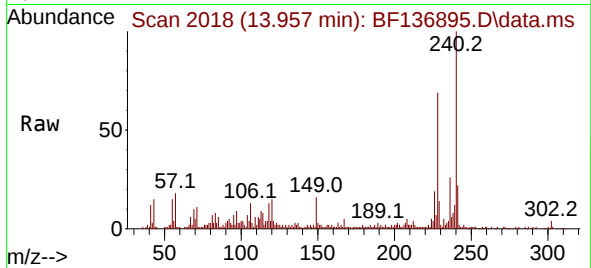




#81
Benzo(a)anthracene
Concen: 3.338 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44

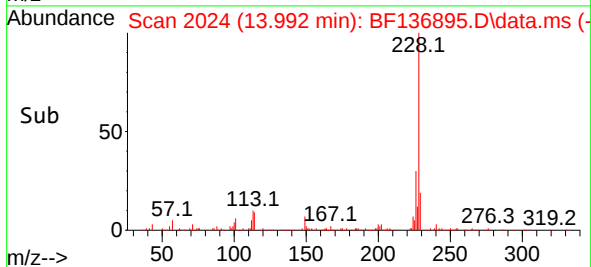
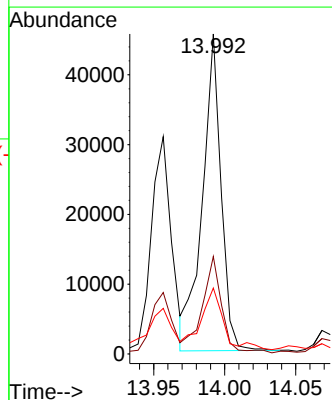
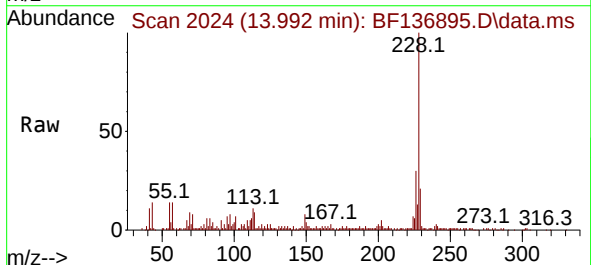
Instrument :
BNA_F
ClientSampleId :
GHL-SS-10-0-2

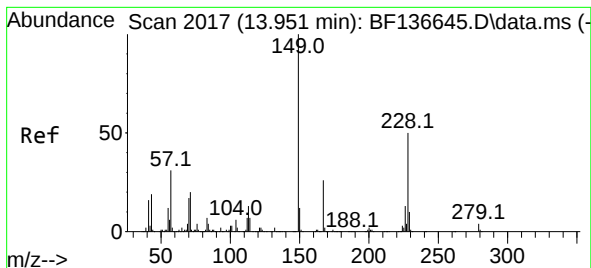
Tgt Ion:228 Resp: 30765
Ion Ratio Lower Upper
228 100
226 28.3 21.4 32.0
229 21.0 14.9 22.3



#83
Chrysene
Concen: 4.613 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44

Tgt Ion:228 Resp: 41574
Ion Ratio Lower Upper
228 100
226 30.5 24.7 37.1
229 20.6 15.4 23.0

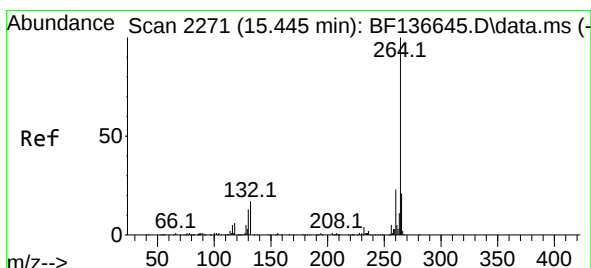
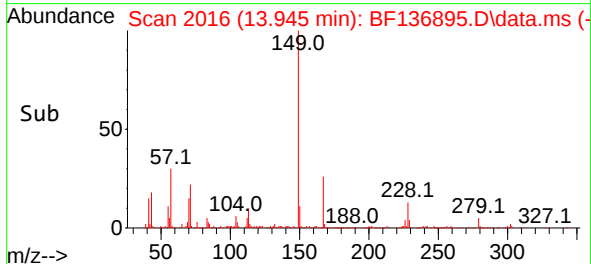
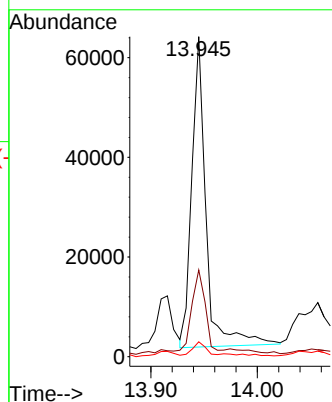
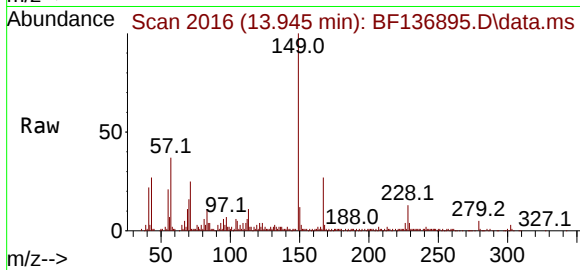




#84
Bis(2-ethylhexyl)phthalate
Concen: 9.693 ng
RT: 13.945 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44

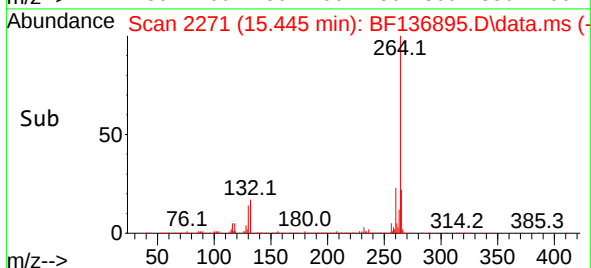
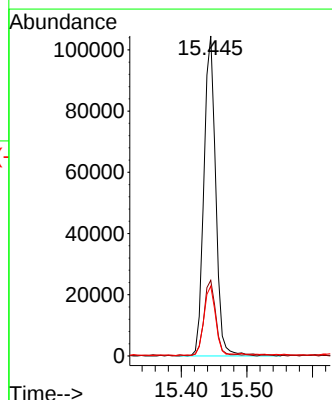
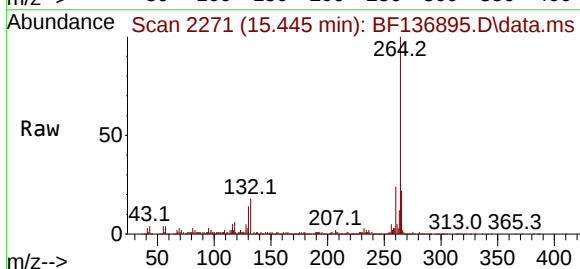
Instrument :
BNA_F
ClientSampleId :
GHL-SS-10-0-2

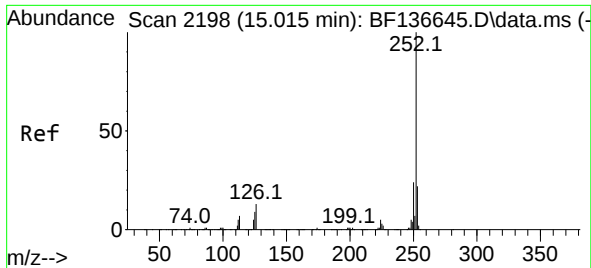
Tgt Ion:149 Resp: 57814
Ion Ratio Lower Upper
149 100
167 27.1 20.9 31.3
279 4.7 2.9 4.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44

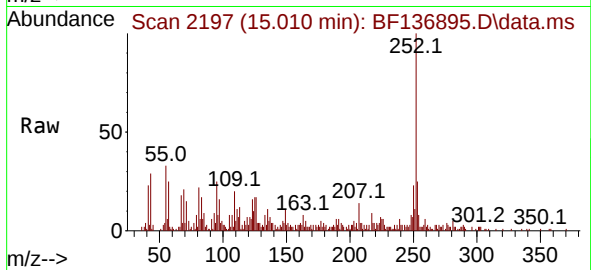
Tgt Ion:264 Resp: 131609
Ion Ratio Lower Upper
264 100
260 23.6 18.3 27.5
265 21.8 17.0 25.6





#88
Benzo(b)fluoranthene
Concen: 2.450 ng
RT: 15.010 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44

Instrument :
BNA_F
ClientSampleId :
GHL-SS-10-0-2



Tgt Ion:252 Resp: 21533
Ion Ratio Lower Upper
252 100
253 25.0 17.4 26.0
125 16.8 7.4 11.2#

