

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
 Data File : BF133877.D
 Acq On : 21 Jun 2023 18:29
 Operator : CG\JU
 Sample : 03298-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-TW-05

Quant Time: Jun 22 05:58:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 13:43:46 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

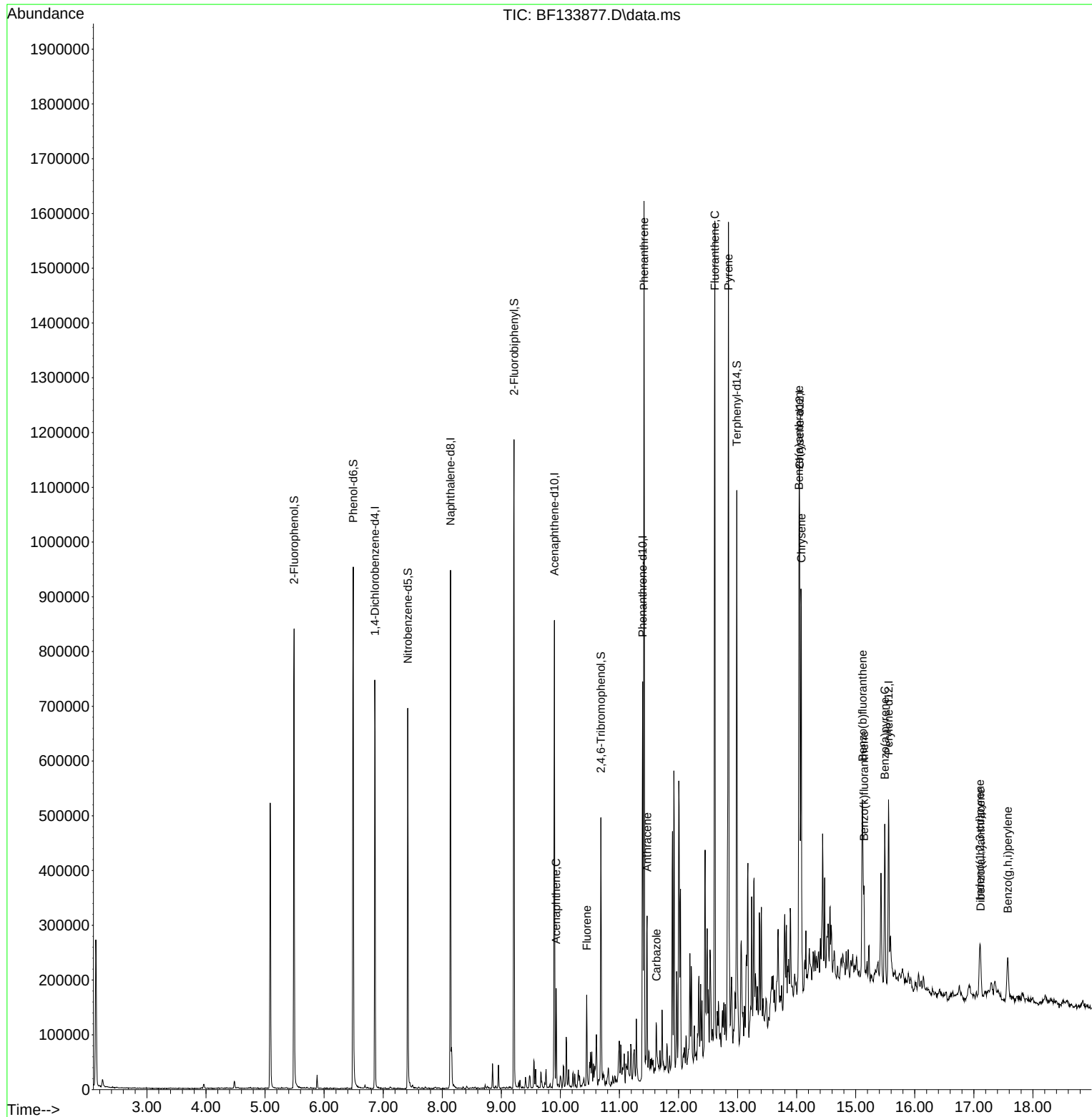
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	105329	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	373843	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	151652	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	259878	20.000	ng	0.00
76) Chrysene-d12	14.051	240	199101	20.000	ng	0.00
86) Perylene-d12	15.557	264	155084	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	214386	35.434	ng	0.00
7) Phenol-d6	6.492	99	268561	34.101	ng	0.00
23) Nitrobenzene-d5	7.416	82	185130	26.972	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	47123	24.548	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	342202	32.076	ng	0.00
79) Terphenyl-d14	12.986	244	314778	24.463	ng	0.00
Target Compounds						
						Qvalue
52) Acenaphthene	9.928	154	33034	3.696	ng	98
58) Fluorene	10.445	166	42068	4.033	ng	# 96
71) Phenanthrene	11.416	178	547400	41.517	ng	99
72) Anthracene	11.469	178	111433	8.106	ng	98
73) Carbazole	11.627	167	30508	2.383	ng	97
75) Fluoranthene	12.616	202	565261	40.372	ng	100
78) Pyrene	12.845	202	616938	33.263	ng	99
81) Benzo(a)anthracene	14.039	228	310910	22.576	ng	97
83) Chrysene	14.080	228	306350	23.519	ng	97
87) Indeno(1,2,3-cd)pyrene	17.104	276	74440	6.977	ng	97
88) Benzo(b)fluoranthene	15.115	252	208069m	22.086	ng	
89) Benzo(k)fluoranthene	15.139	252	53912m	5.875	ng	
90) Benzo(a)pyrene	15.492	252	143627	16.427	ng	99
91) Dibenzo(a,h)anthracene	17.115	278	22556	2.554	ng	# 85
92) Benzo(g,h,i)perylene	17.574	276	68945	7.872	ng	# 95

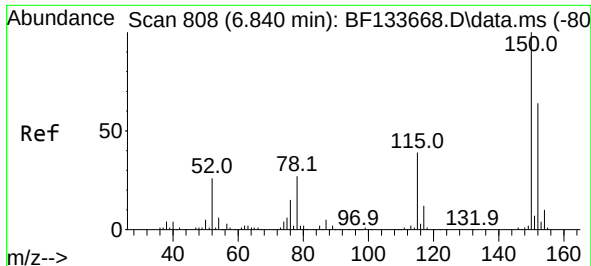
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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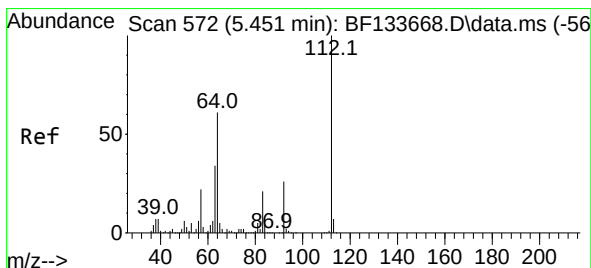
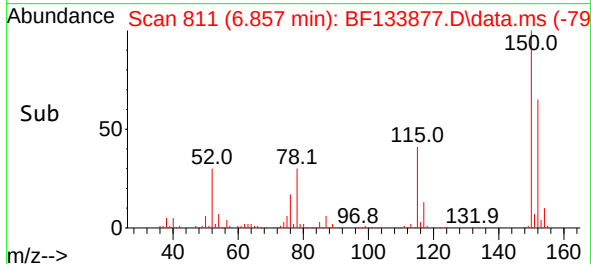
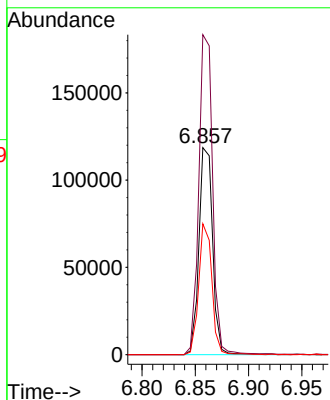
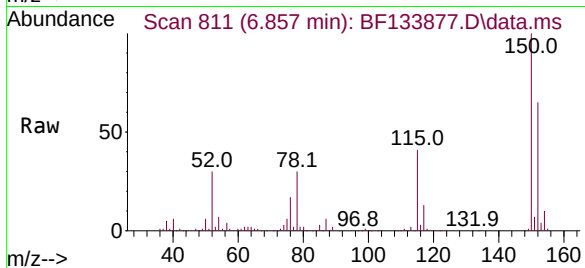




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.857 min Scan# 811
 Delta R.T. 0.000 min
 Lab File: BF133877.D
 Acq: 21 Jun 2023 18:29

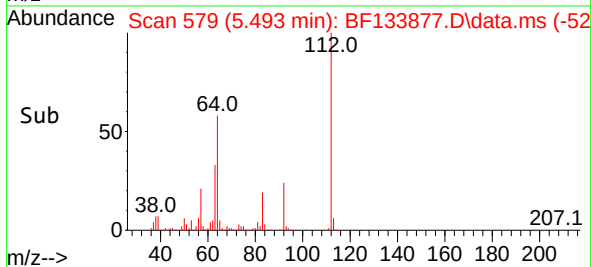
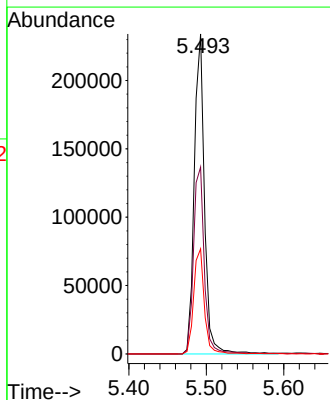
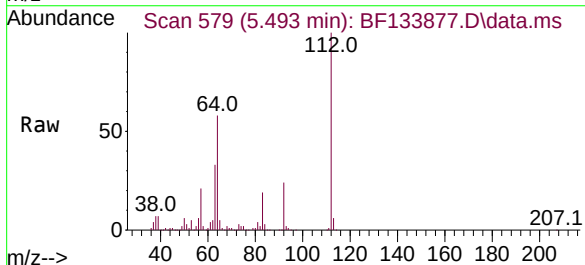
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-TW-05

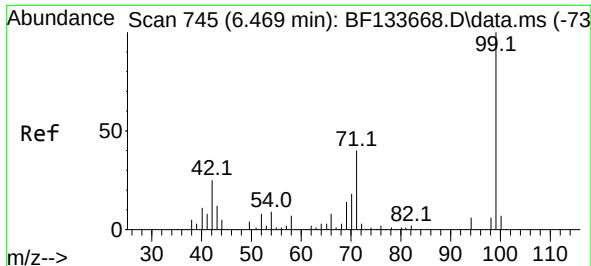
Tgt Ion:152 Resp: 105329
 Ion Ratio Lower Upper
 152 100
 150 154.7 124.3 186.5
 115 63.3 48.5 72.7



#5
 2-Fluorophenol
 Concen: 35.434 ng
 RT: 5.493 min Scan# 579
 Delta R.T. 0.006 min
 Lab File: BF133877.D
 Acq: 21 Jun 2023 18:29

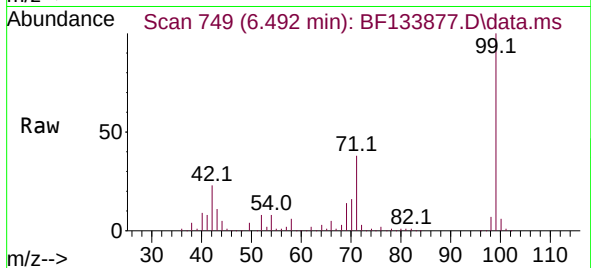
Tgt Ion:112 Resp: 214386
 Ion Ratio Lower Upper
 112 100
 64 58.4 49.0 73.4
 63 32.8 26.8 40.2



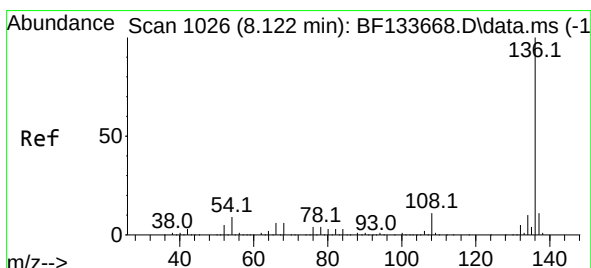
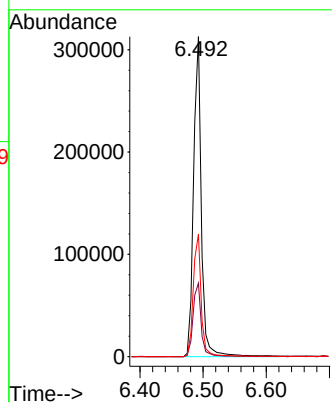
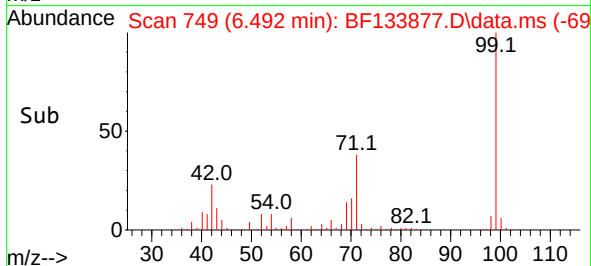


#7
Phenol-d6
Concen: 34.101 ng
RT: 6.492 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF133877.D
Acq: 21 Jun 2023 18:29

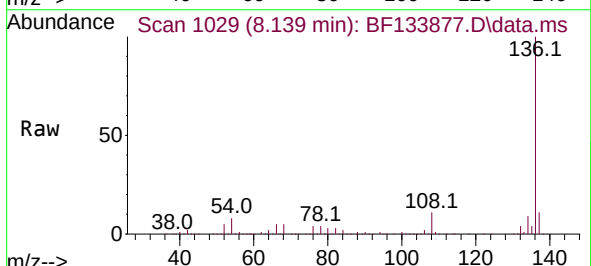
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-05



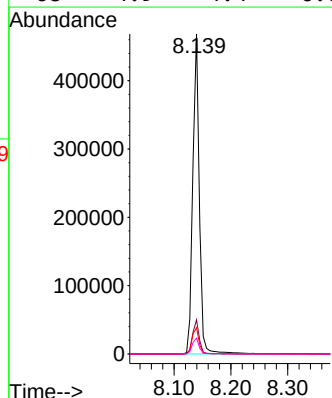
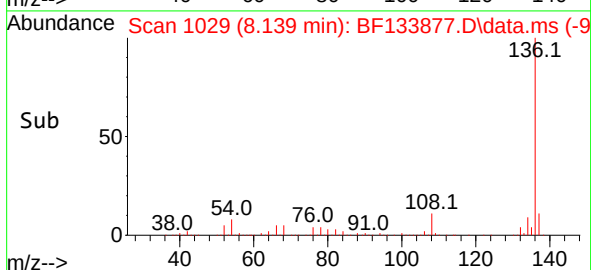
Tgt Ion: 99 Resp: 268561
Ion Ratio Lower Upper
99 100
42 23.0 19.9 29.9
71 38.3 32.2 48.4

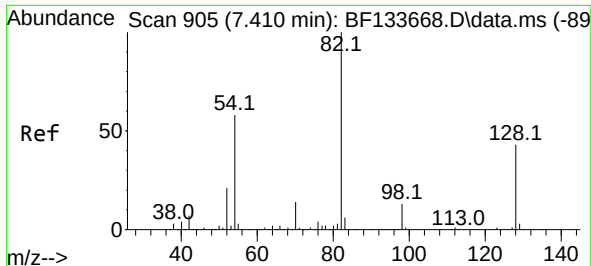


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF133877.D
Acq: 21 Jun 2023 18:29



Tgt Ion: 136 Resp: 373843
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 8.2 7.4 11.0
68 4.9 4.4 6.6





#23

Nitrobenzene-d5

Concen: 26.972 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133877.D

Acq: 21 Jun 2023 18:29

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TW-05

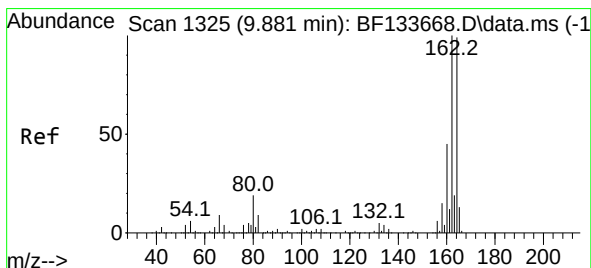
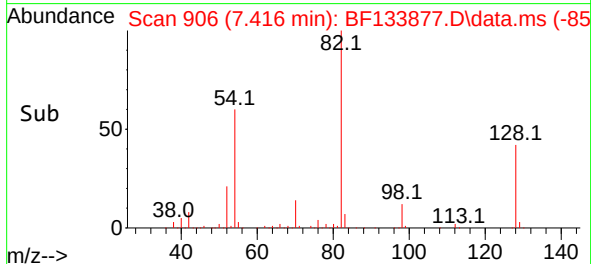
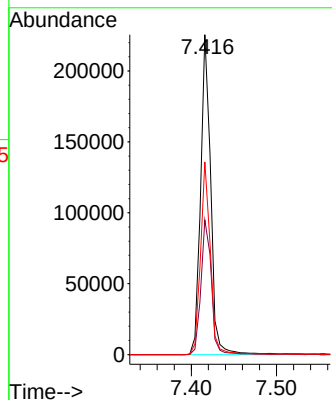
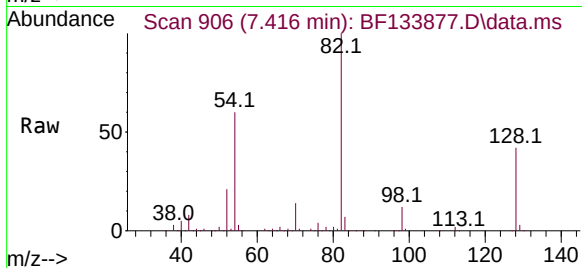
Tgt Ion: 82 Resp: 185130

Ion Ratio Lower Upper

82 100

128 42.1 34.2 51.2

54 60.2 46.5 69.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.000 min

Lab File: BF133877.D

Acq: 21 Jun 2023 18:29

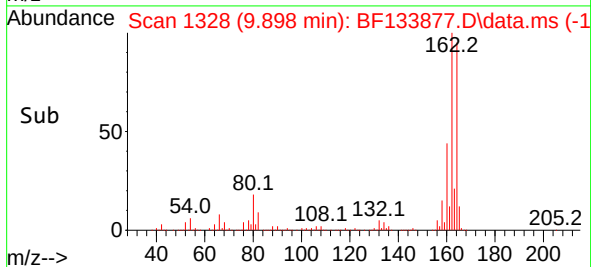
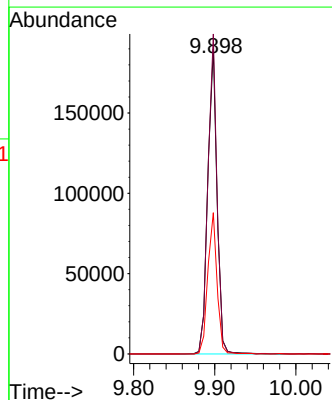
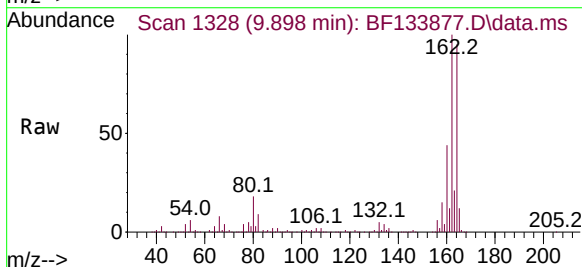
Tgt Ion:164 Resp: 151652

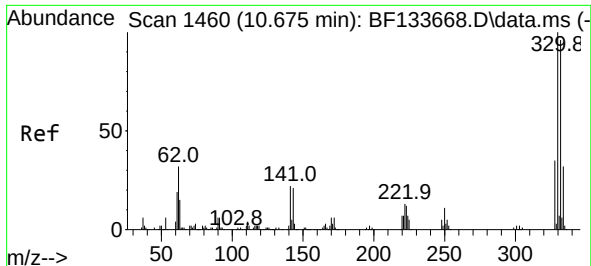
Ion Ratio Lower Upper

164 100

162 104.9 80.8 121.2

160 46.3 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 24.548 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF133877.D

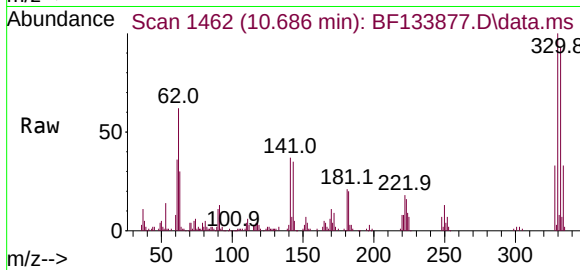
Acq: 21 Jun 2023 18:29

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TW-05



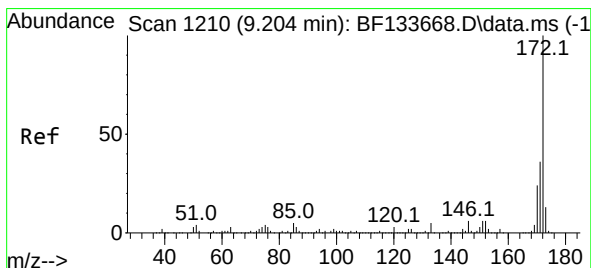
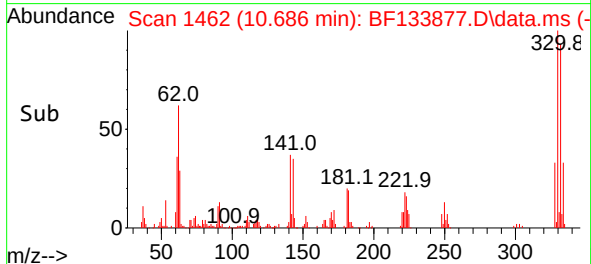
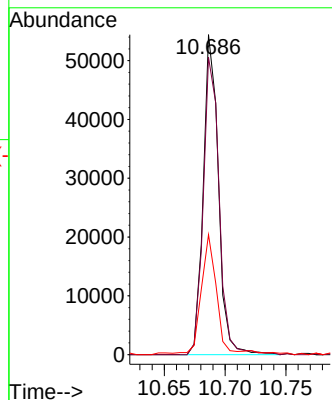
Tgt Ion:330 Resp: 47123

Ion Ratio Lower Upper

330 100

332 97.8 77.2 115.8

141 39.7 24.9 37.3#



#45

2-Fluorobiphenyl

Concen: 32.076 ng

RT: 9.216 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF133877.D

Acq: 21 Jun 2023 18:29

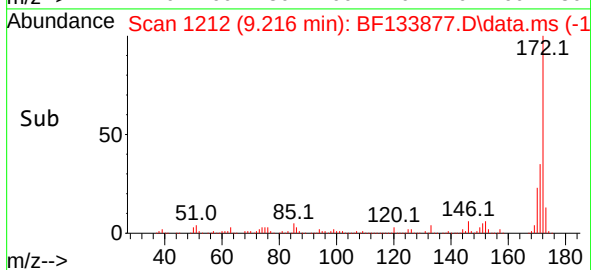
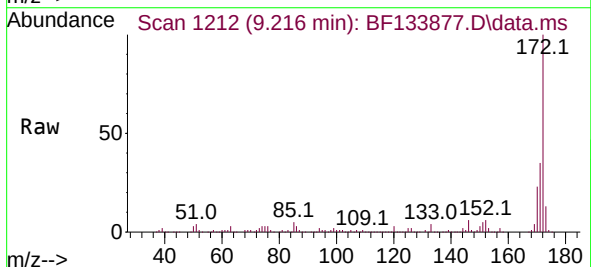
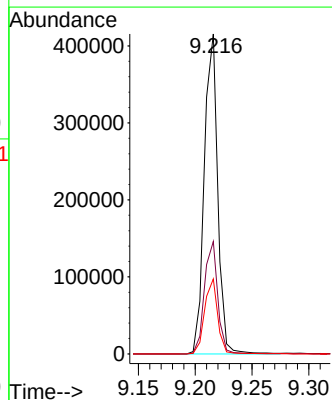
Tgt Ion:172 Resp: 342202

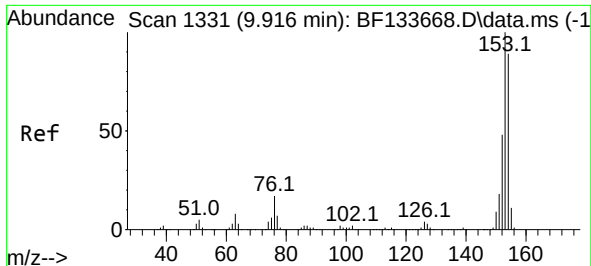
Ion Ratio Lower Upper

172 100

171 35.1 28.6 43.0

170 23.4 19.1 28.7





#52

Acenaphthene

Concen: 3.696 ng

RT: 9.928 min Scan# 1333

Delta R.T. -0.006 min

Lab File: BF133877.D

Acq: 21 Jun 2023 18:29

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TW-05

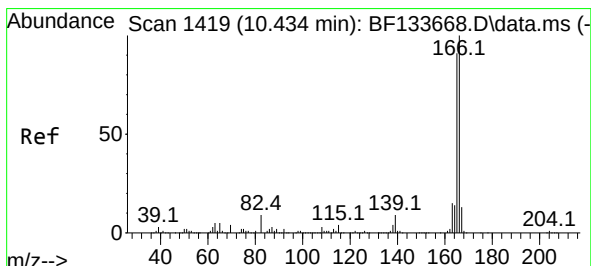
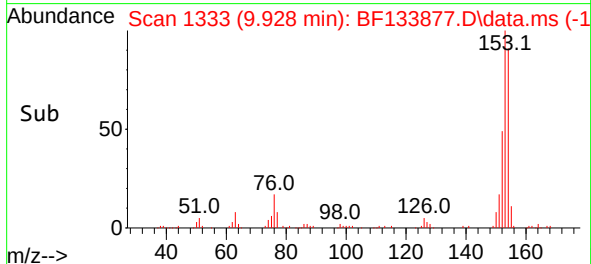
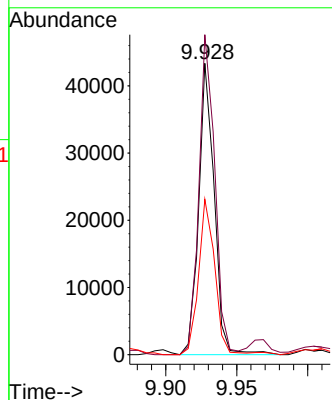
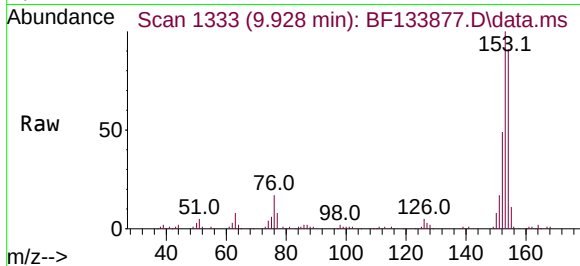
Tgt Ion:154 Resp: 33034

Ion Ratio Lower Upper

154 100

153 109.9 89.8 134.8

152 53.3 43.4 65.2



#58

Fluorene

Concen: 4.033 ng

RT: 10.445 min Scan# 1421

Delta R.T. 0.000 min

Lab File: BF133877.D

Acq: 21 Jun 2023 18:29

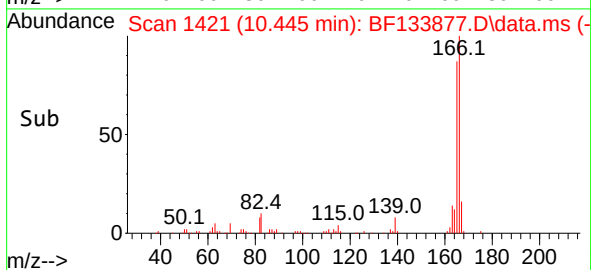
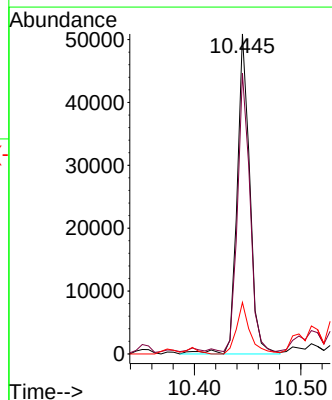
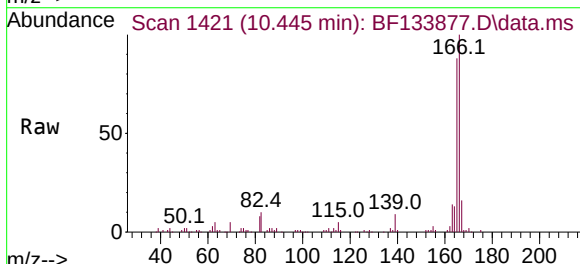
Tgt Ion:166 Resp: 42068

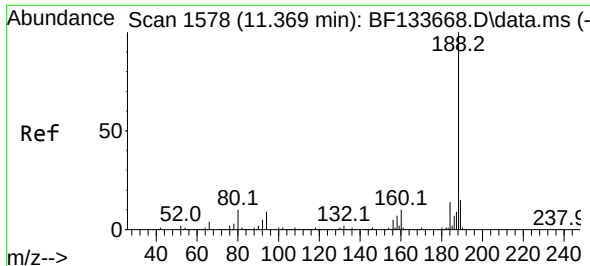
Ion Ratio Lower Upper

166 100

165 87.6 73.1 109.7

167 16.1 10.5 15.7#

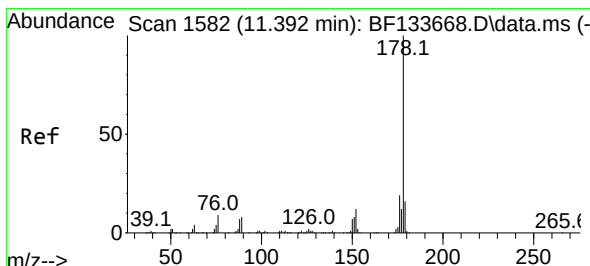
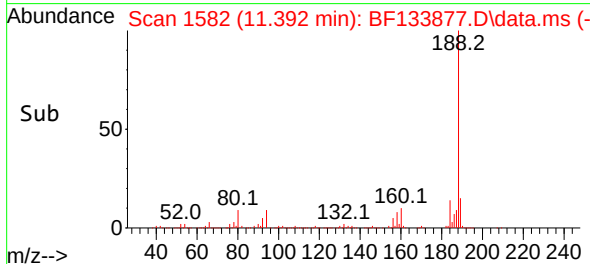
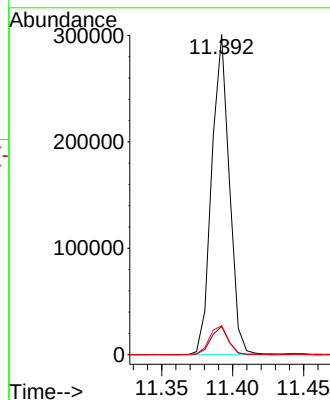
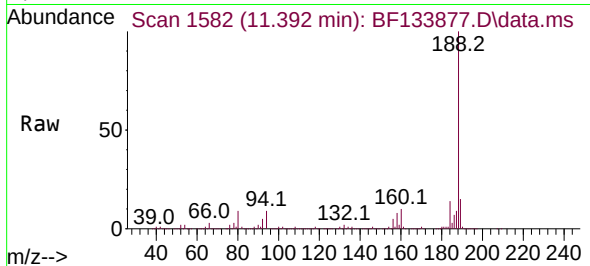




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133877.D
Acq: 21 Jun 2023 18:29

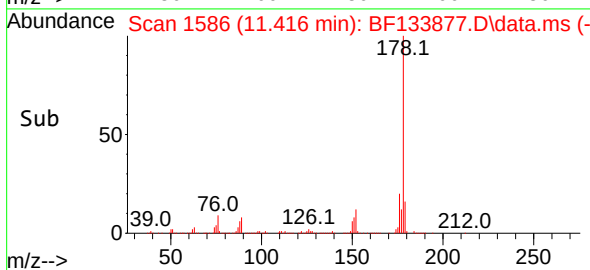
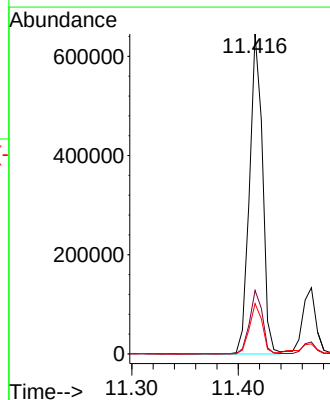
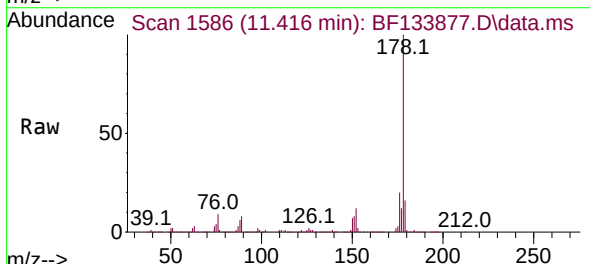
Instrument :
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COMPOSIT-TW-05

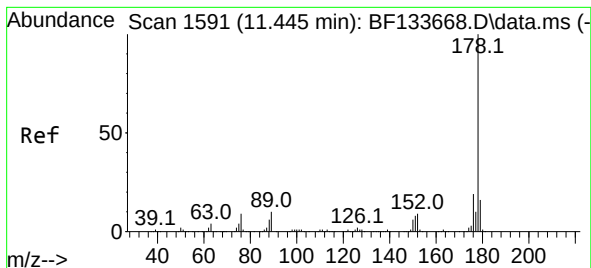
Tgt Ion:188 Resp: 259878
Ion Ratio Lower Upper
188 100
94 8.8 6.8 10.2
80 9.0 7.8 11.6



#71
Phenanthrene
Concen: 41.517 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF133877.D
Acq: 21 Jun 2023 18:29

Tgt Ion:178 Resp: 547400
Ion Ratio Lower Upper
178 100
176 19.9 15.6 23.4
179 15.7 12.4 18.6





#72

Anthracene

Concen: 8.106 ng

RT: 11.469 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133877.D

Acq: 21 Jun 2023 18:29

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TW-05

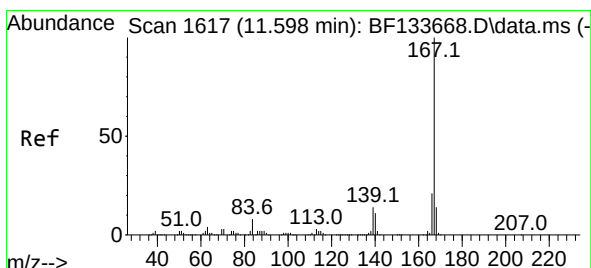
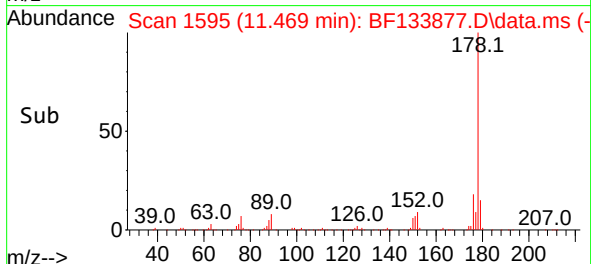
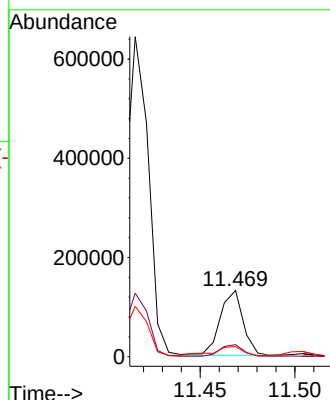
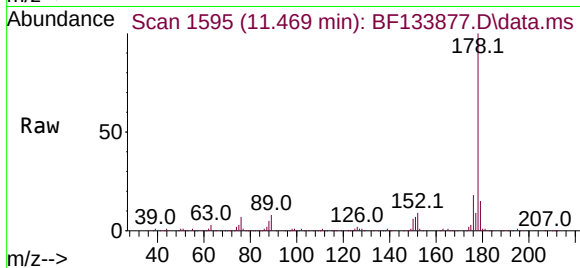
Tgt Ion:178 Resp: 111433

Ion Ratio Lower Upper

178 100

176 18.1 15.1 22.7

179 15.1 12.6 18.8



#73

Carbazole

Concen: 2.383 ng

RT: 11.627 min Scan# 1622

Delta R.T. 0.006 min

Lab File: BF133877.D

Acq: 21 Jun 2023 18:29

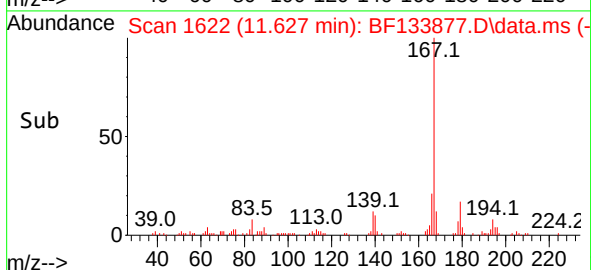
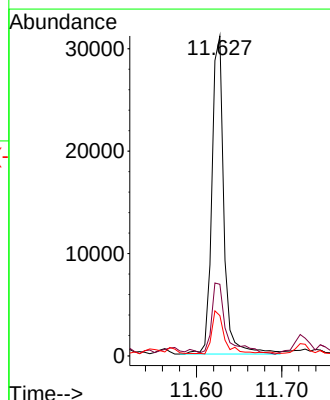
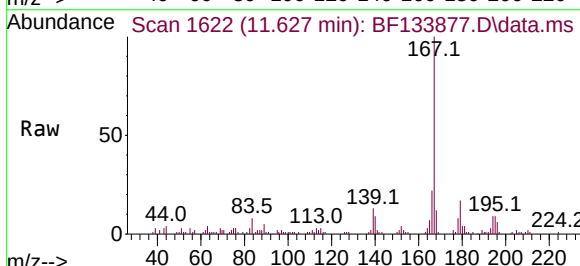
Tgt Ion:167 Resp: 30508

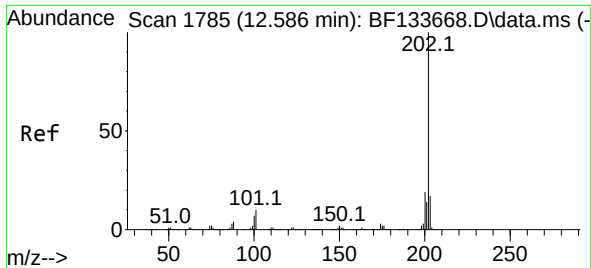
Ion Ratio Lower Upper

167 100

166 22.4 17.0 25.6

139 12.6 11.2 16.8

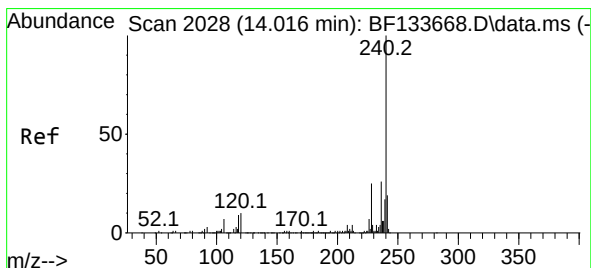
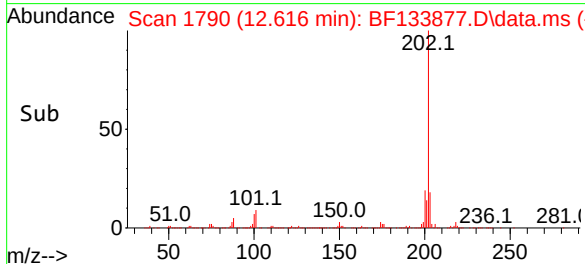
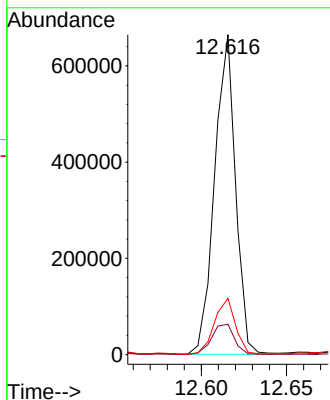
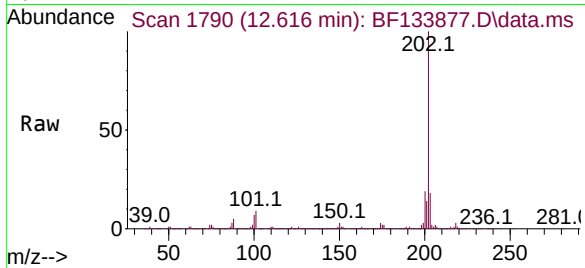




#75
Fluoranthene
Concen: 40.372 ng
RT: 12.616 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133877.D
Acq: 21 Jun 2023 18:29

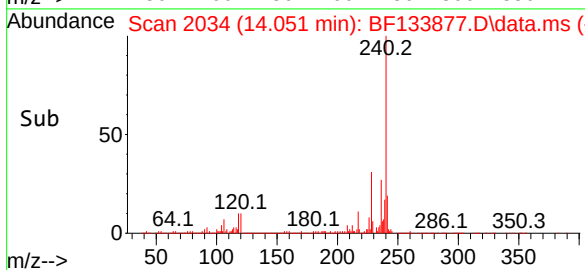
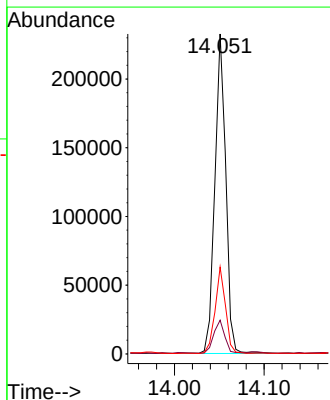
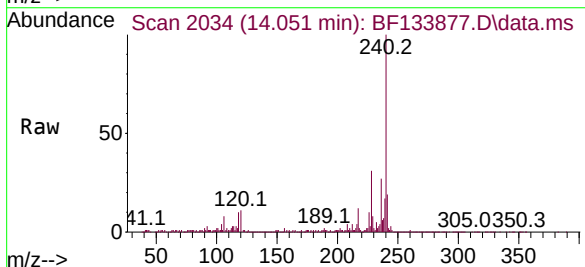
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-05

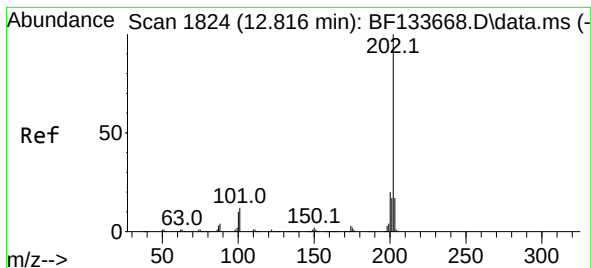
Tgt Ion:202 Resp: 565261
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.6
203 17.6 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF133877.D
Acq: 21 Jun 2023 18:29

Tgt Ion:240 Resp: 199101
Ion Ratio Lower Upper
240 100
120 10.5 8.1 12.1
236 27.1 20.5 30.7





#78

Pyrene

Concen: 33.263 ng

RT: 12.845 min Scan# 1824

Delta R.T. 0.006 min

Lab File: BF133877.D

Acq: 21 Jun 2023 18:29

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TW-05

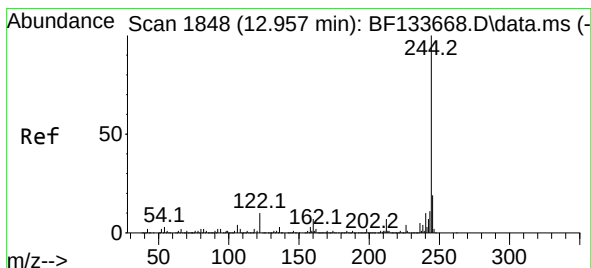
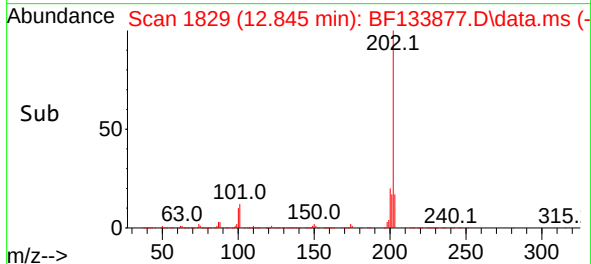
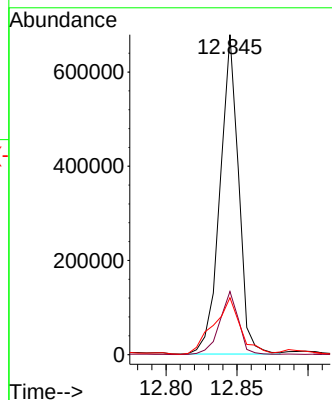
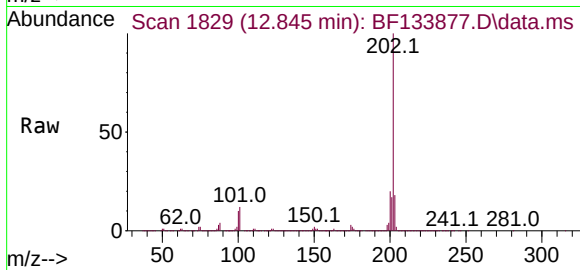
Tgt Ion:202 Resp: 616938

Ion Ratio Lower Upper

202 100

200 19.7 16.2 24.2

203 17.8 13.9 20.9



#79

Terphenyl-d14

Concen: 24.463 ng

RT: 12.986 min Scan# 1853

Delta R.T. 0.000 min

Lab File: BF133877.D

Acq: 21 Jun 2023 18:29

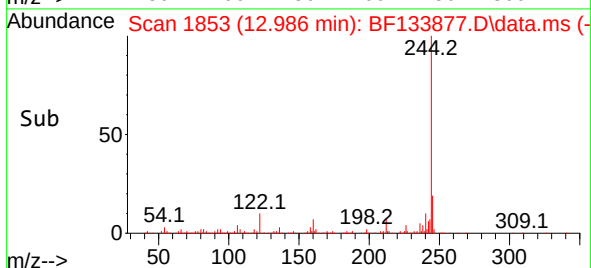
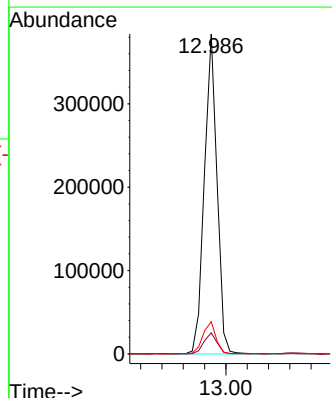
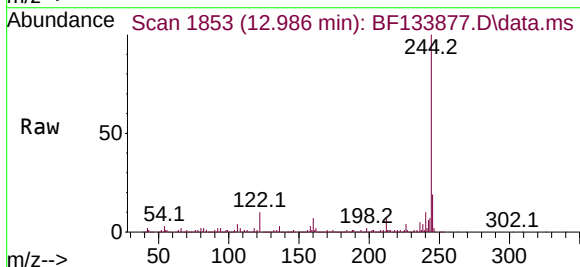
Tgt Ion:244 Resp: 314778

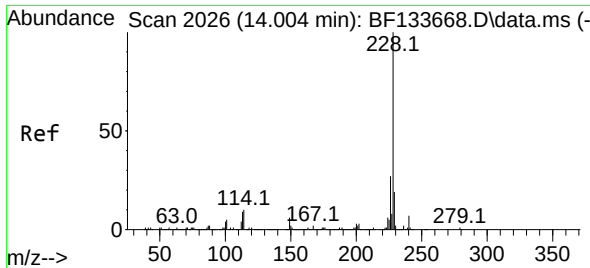
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

122 10.1 8.1 12.1

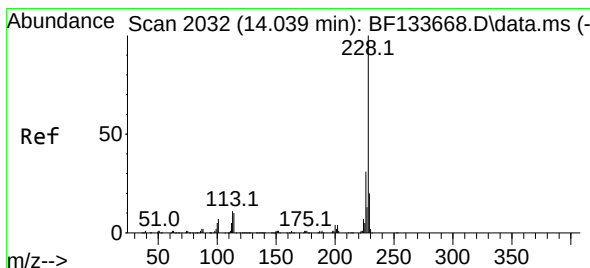
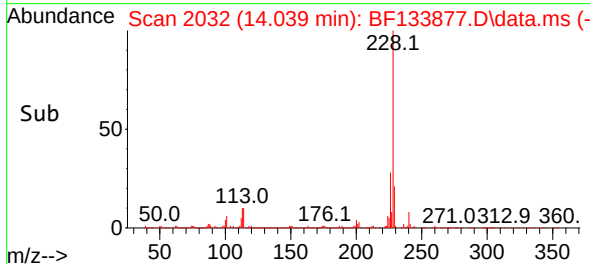
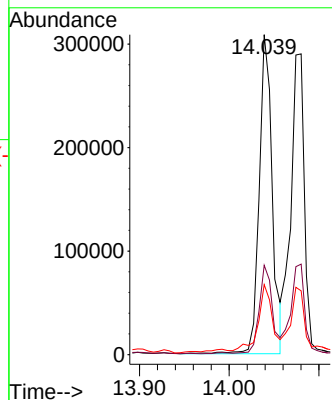
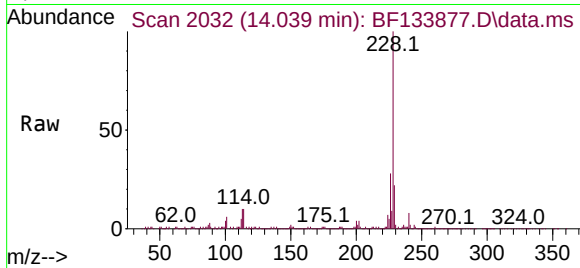




#81
Benzo(a)anthracene
Concen: 22.576 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF133877.D
Acq: 21 Jun 2023 18:29

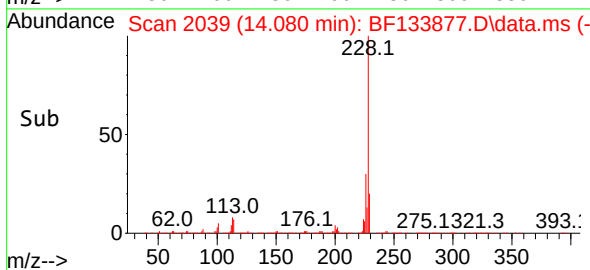
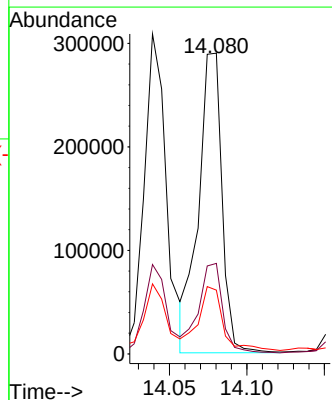
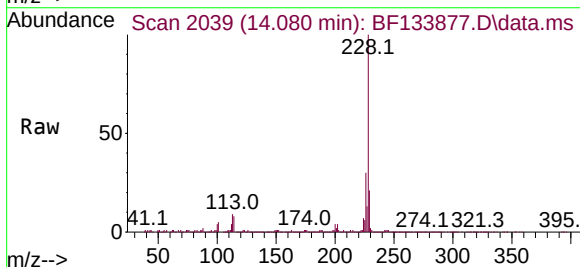
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-05

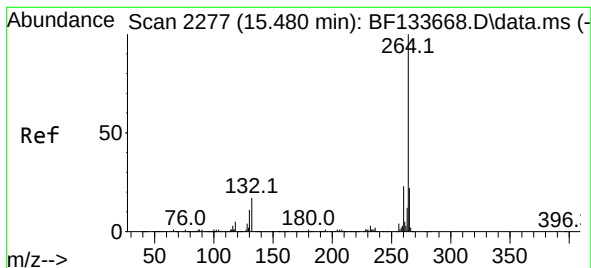
Tgt Ion:228 Resp: 310910
Ion Ratio Lower Upper
228 100
226 27.9 21.7 32.5
229 21.9 15.4 23.2



#83
Chrysene
Concen: 23.519 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.006 min
Lab File: BF133877.D
Acq: 21 Jun 2023 18:29

Tgt Ion:228 Resp: 306350
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 21.2 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133877.D

Acq: 21 Jun 2023 18:29

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TW-05

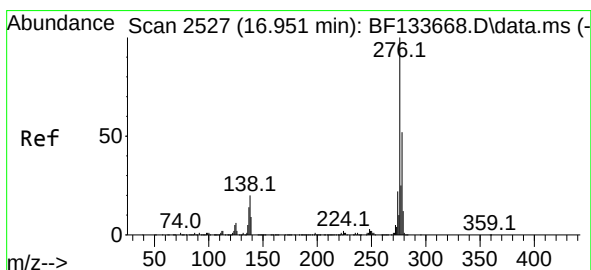
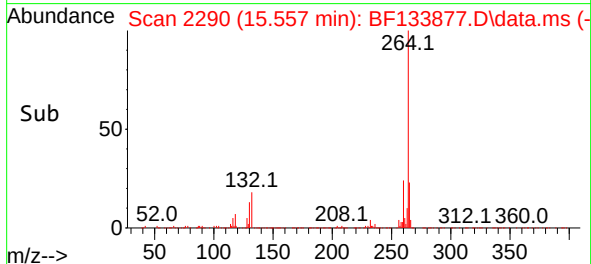
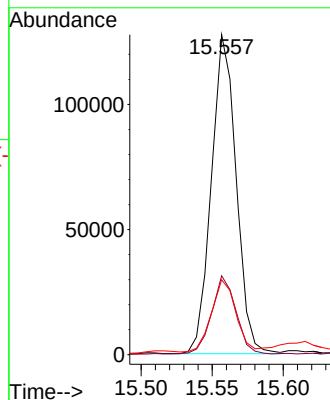
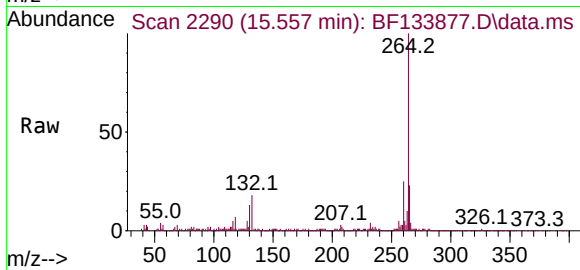
Tgt Ion:264 Resp: 155084

Ion Ratio Lower Upper

264 100

260 24.6 18.2 27.2

265 23.4 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.977 ng

RT: 17.104 min Scan# 2553

Delta R.T. 0.006 min

Lab File: BF133877.D

Acq: 21 Jun 2023 18:29

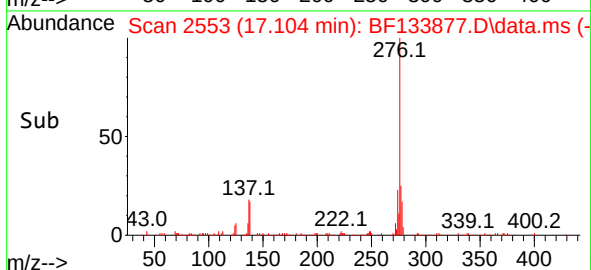
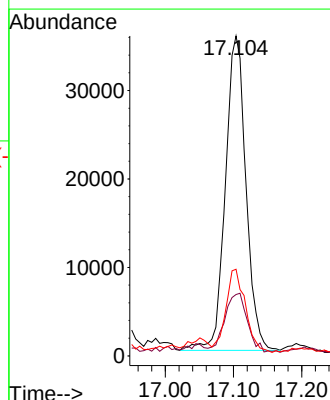
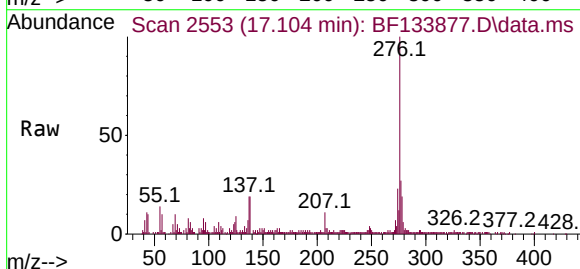
Tgt Ion:276 Resp: 74440

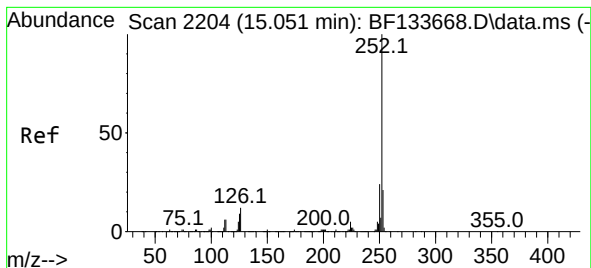
Ion Ratio Lower Upper

276 100

138 19.8 17.9 26.9

277 25.1 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 22.086 ng m

RT: 15.115 min Scan# 2215

Delta R.T. 0.012 min

Lab File: BF133877.D

Acq: 21 Jun 2023 18:29

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TW-05

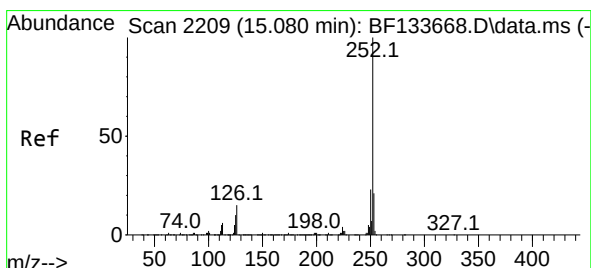
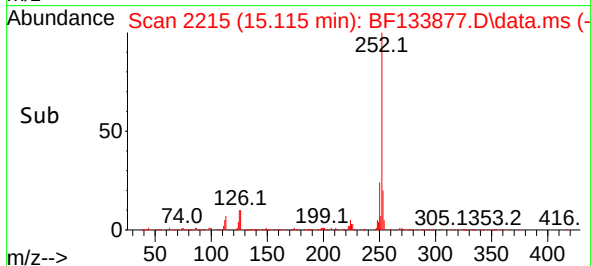
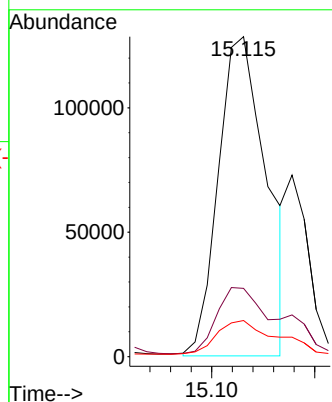
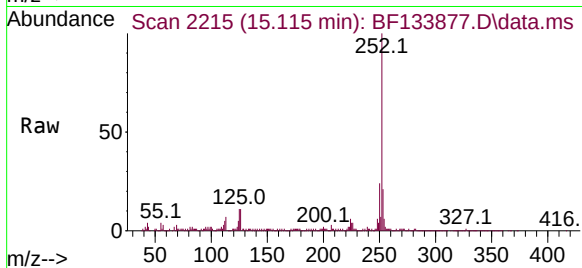
Tgt Ion:252 Resp: 208069

Ion Ratio Lower Upper

252 100

253 21.3 17.0 25.6

125 11.3 7.3 10.9#



#89

Benzo(k)fluoranthene

Concen: 5.875 ng m

RT: 15.139 min Scan# 2219

Delta R.T. 0.006 min

Lab File: BF133877.D

Acq: 21 Jun 2023 18:29

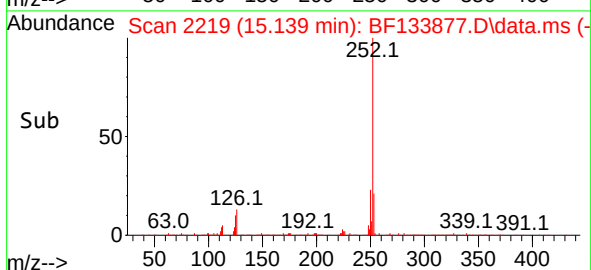
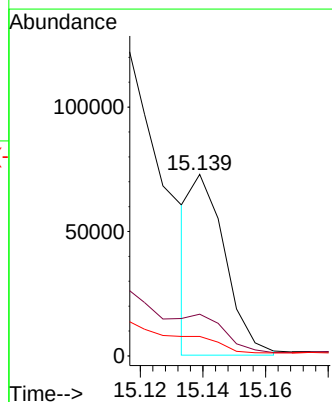
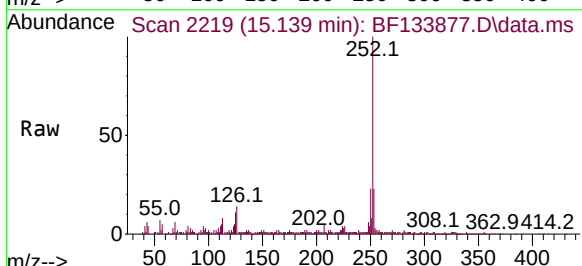
Tgt Ion:252 Resp: 53912

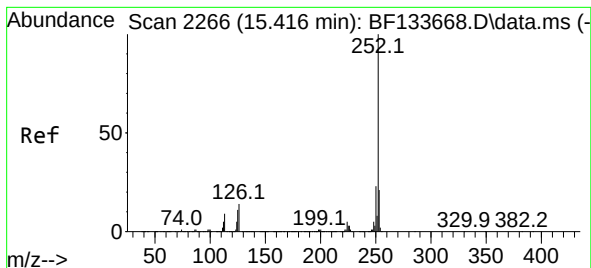
Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.4

125 10.7 7.8 11.6





#90

Benzo(a)pyrene

Concen: 16.427 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133877.D

Acq: 21 Jun 2023 18:29

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TW-05

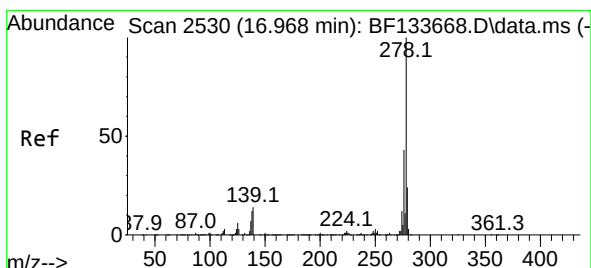
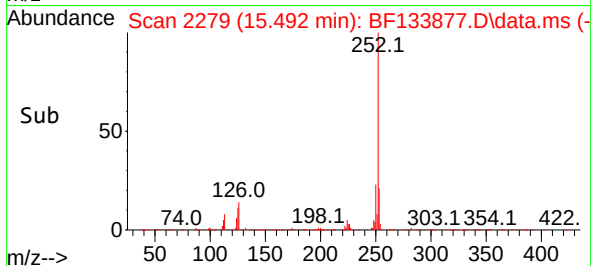
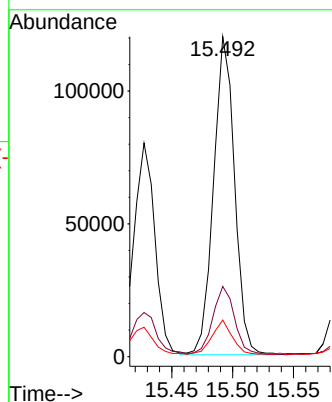
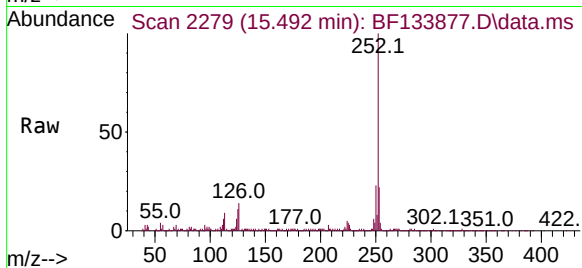
Tgt Ion:252 Resp: 143627

Ion Ratio Lower Upper

252 100

253 21.9 17.1 25.7

125 11.4 8.6 13.0



#91

Dibenzo(a,h)anthracene

Concen: 2.554 ng

RT: 17.115 min Scan# 2555

Delta R.T. -0.006 min

Lab File: BF133877.D

Acq: 21 Jun 2023 18:29

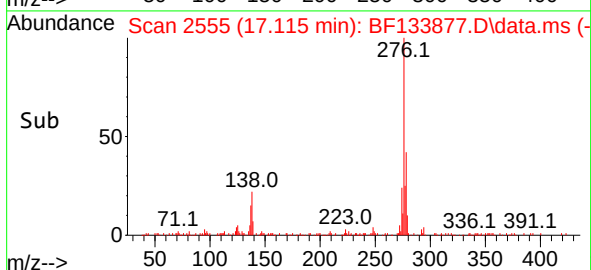
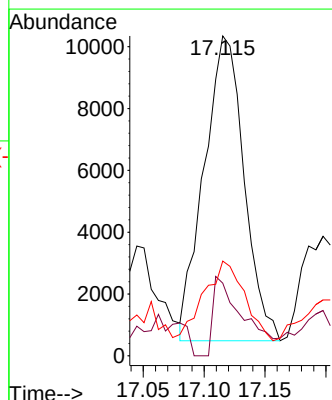
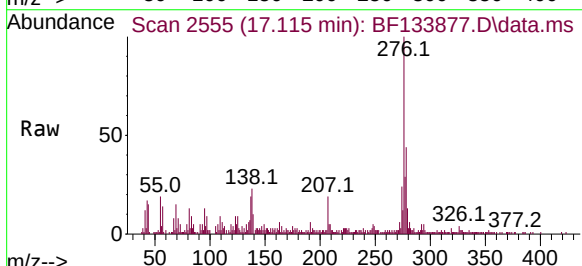
Tgt Ion:278 Resp: 22556

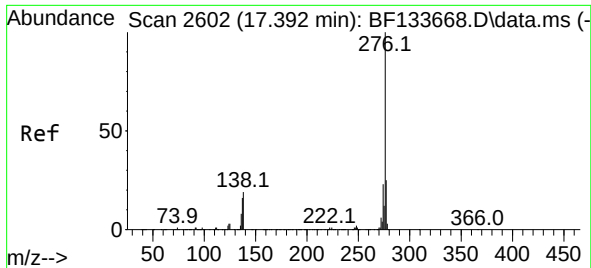
Ion Ratio Lower Upper

278 100

139 22.7 11.4 17.2#

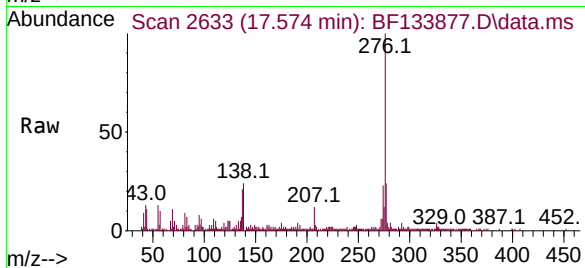
279 29.6 19.0 28.4#





#92
 Benzo(g,h,i)perylene
 Concen: 7.872 ng
 RT: 17.574 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: BF133877.D
 Acq: 21 Jun 2023 18:29

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-TW-05



Tgt Ion:276 Resp: 68945
 Ion Ratio Lower Upper
 276 100
 277 24.4 19.8 29.8
 138 23.8 15.0 22.4#

