

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
 Data File : BF133715.D
 Acq On : 12 Jun 2023 21:15
 Operator : CG\JU
 Sample : 03044-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-0-2.0

Quant Time: Jun 12 22:12:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 12 16:32:43 2023
 Response via : Initial Calibration

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

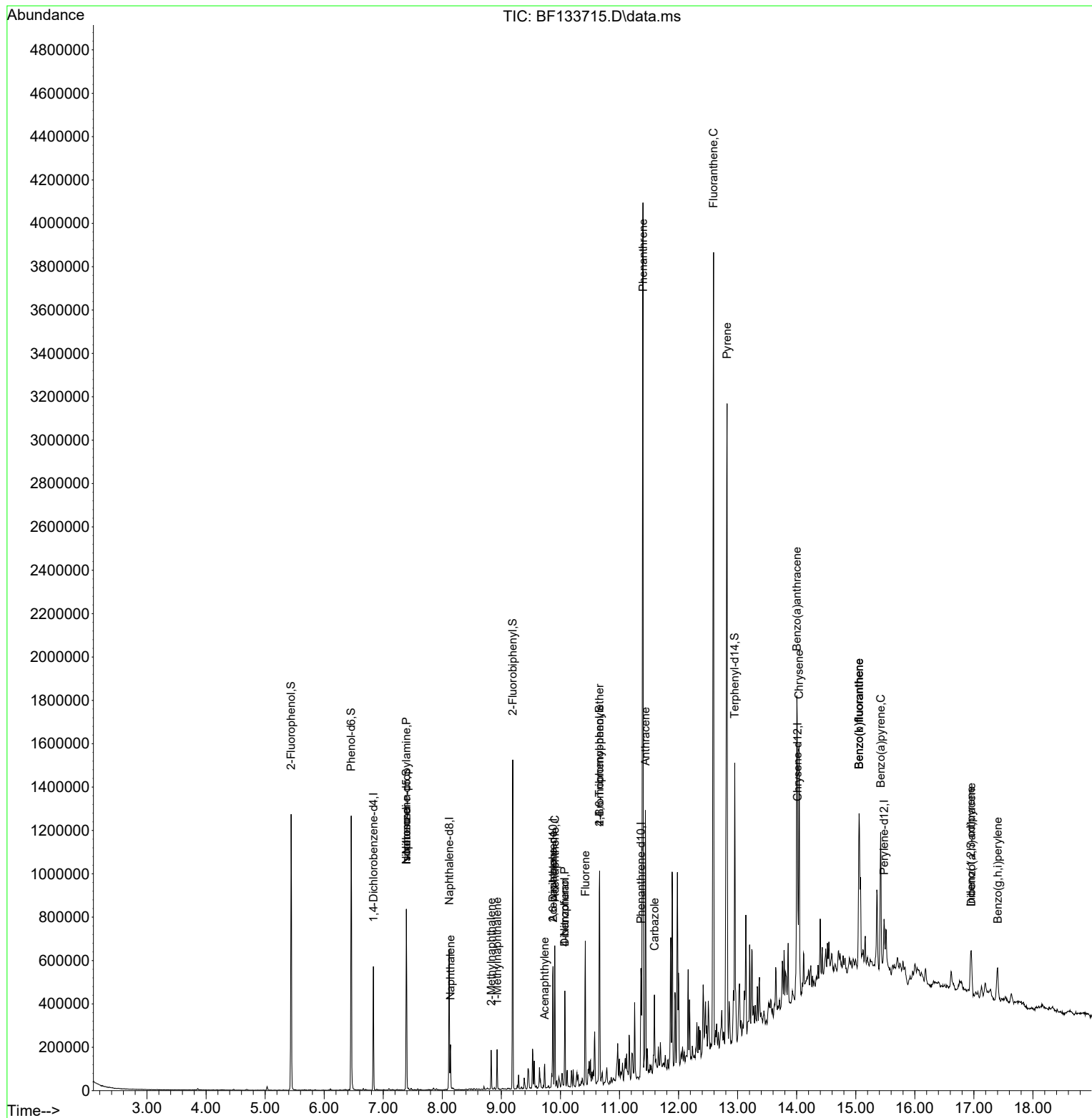
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	69581	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	243096	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	105904	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	206298	20.000	ng	0.00
76) Chrysene-d12	14.015	240	109902	20.000	ng	0.00
86) Perylene-d12	15.480	264	94355	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	297460	74.424	ng	0.00
7) Phenol-d6	6.457	99	345107	66.334	ng	-0.01
23) Nitrobenzene-d5	7.392	82	219700	49.225	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	84019	62.675	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	388583	52.158	ng	0.00
79) Terphenyl-d14	12.951	244	383410	53.982	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.392	70	31824	9.614	ng	# 80
25) Isophorone	7.392	82	219638	26.805	ng	# 65
31) Naphthalene	8.139	128	77903	6.578	ng	98
37) 2-Methylnaphthalene	8.828	142	41021	4.985	ng	94
38) 1-Methylnaphthalene	8.928	142	38270	5.054	ng	97
49) Acenaphthylene	9.733	152	29839	2.798	ng	# 97
51) 2,6-Dinitrotoluene	9.875	165	17197	10.540	ng	# 30
52) Acenaphthene	9.904	154	116260	18.626	ng	99
55) Dibenzofuran	10.075	168	127376	13.374	ng	93
56) 4-Nitrophenol	10.075	139	53333	39.799	ng	# 12
58) Fluorene	10.422	166	158813	21.804	ng	100
67) 4-Bromophenyl-phenylether	10.663	248	5588	2.427	ng	# 1
71) Phenanthrene	11.398	178	1556020	148.666	ng	99
72) Anthracene	11.439	178	420397	38.521	ng	100
73) Carbazole	11.592	167	116742	11.485	ng	98
75) Fluoranthene	12.592	202	1645266	148.026	ng	99
78) Pyrene	12.821	202	1411084	137.831	ng	99
81) Benzo(a)anthracene	14.004	228	546093	71.836	ng	96
83) Chrysene	14.039	228	438452	60.980	ng	96
87) Indeno(1,2,3-cd)pyrene	16.951	276	161342	24.855	ng	# 92
88) Benzo(b)fluoranthene	15.057	252	548049	95.618	ng	95
89) Benzo(k)fluoranthene	15.057	252	548049	98.158	ng	96
90) Benzo(a)pyrene	15.421	252	301080	56.600	ng	97
91) Dibenzo(a,h)anthracene	16.956	278	40581	7.551	ng	# 79
92) Benzo(g,h,i)perylene	17.404	276	142079	26.665	ng	99

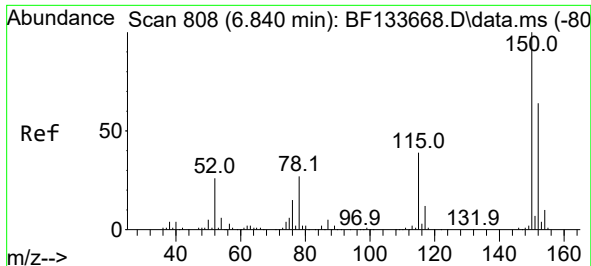
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133715.D
Acq On : 12 Jun 2023 21:15
Operator : CG\JU
Sample : 03044-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-07-0-2.0

Quant Time: Jun 12 22:12:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 12 16:32:43 2023
Response via : Initial Calibration

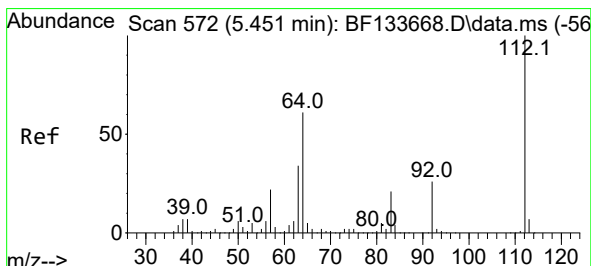
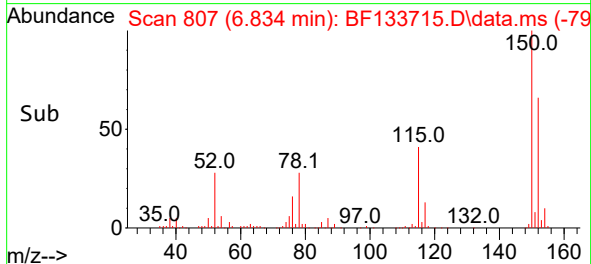
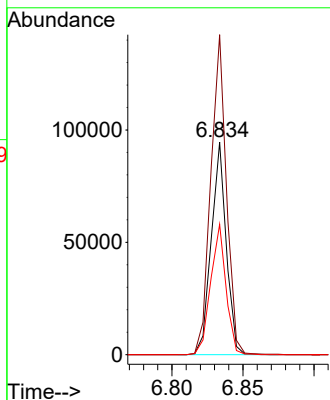
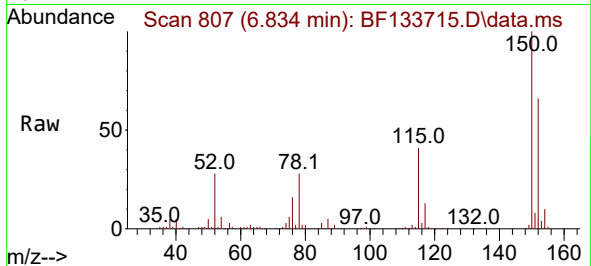




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF133715.D
Acq: 12 Jun 2023 21:15

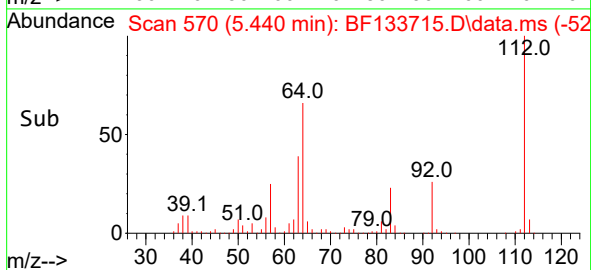
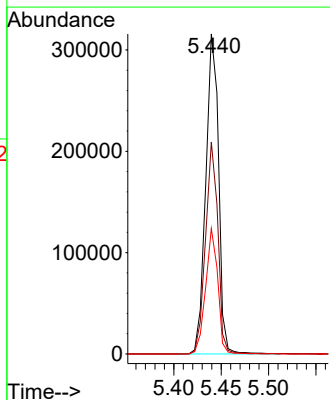
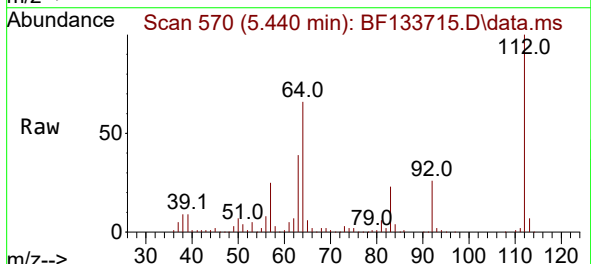
Instrument :
BNA_F
ClientSampleId :
SB-07-0-2.0

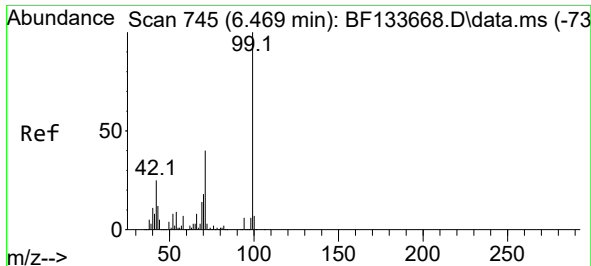
Tgt Ion:152 Resp: 69581
Ion Ratio Lower Upper
152 100
150 150.4 124.3 186.5
115 61.3 48.5 72.7



#5
2-Fluorophenol
Concen: 74.424 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.006 min
Lab File: BF133715.D
Acq: 12 Jun 2023 21:15

Tgt Ion:112 Resp: 297460
Ion Ratio Lower Upper
112 100
64 66.2 49.0 73.4
63 39.2 26.8 40.2

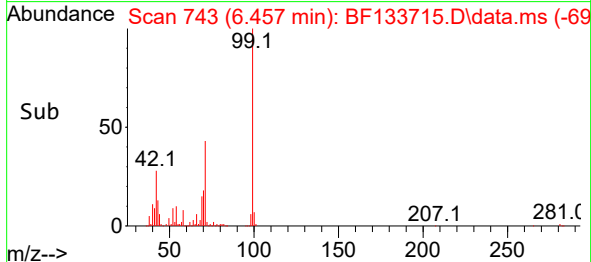
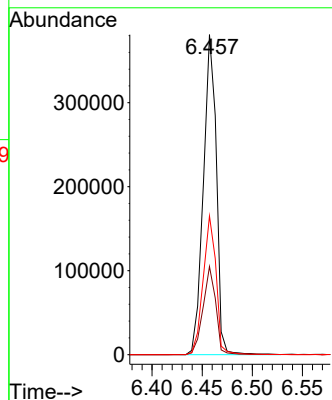
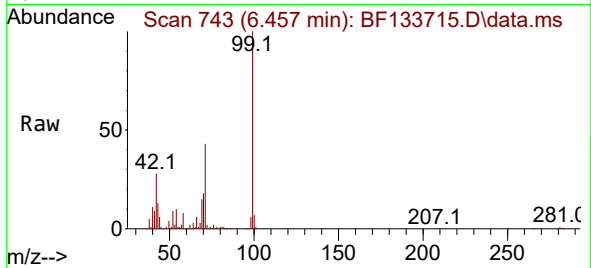




#7
Phenol-d6
Concen: 66.334 ng
RT: 6.457 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF133715.D
Acq: 12 Jun 2023 21:15

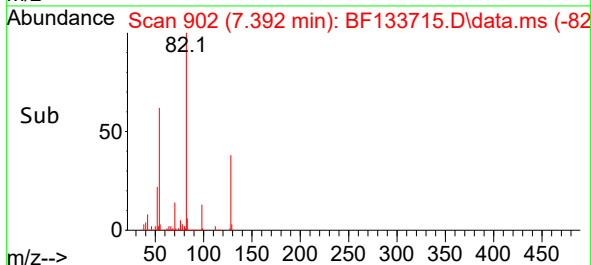
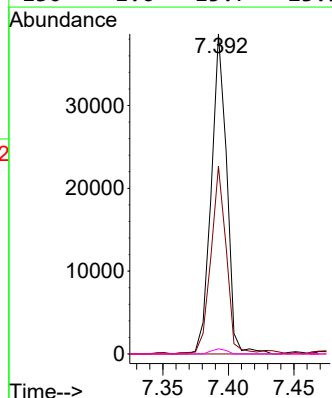
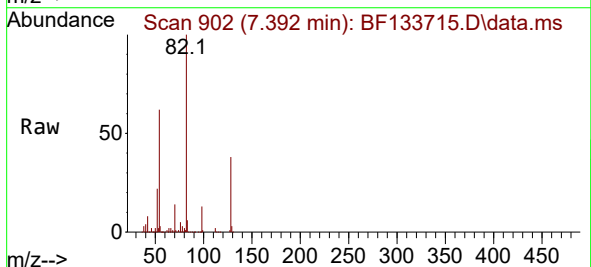
Instrument :
BNA_F
ClientSampleId :
SB-07-0-2.0

Tgt Ion: 99 Resp: 345107
Ion Ratio Lower Upper
99 100
42 27.6 19.9 29.9
71 43.3 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.614 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.141 min
Lab File: BF133715.D
Acq: 12 Jun 2023 21:15

Tgt Ion: 70 Resp: 31824
Ion Ratio Lower Upper
70 100
42 58.7 55.8 83.8
101 0.0 8.1 12.1#
130 1.6 15.7 23.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.116 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133715.D

Acq: 12 Jun 2023 21:15

Instrument :

BNA_F

ClientSampleId :

SB-07-0-2.0

Tgt Ion:136 Resp: 243096

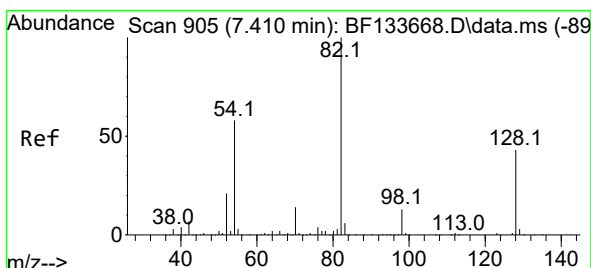
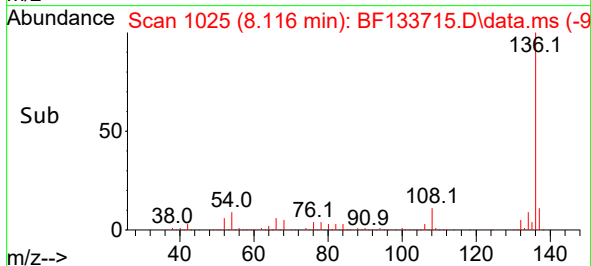
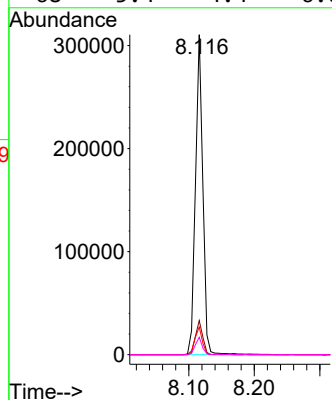
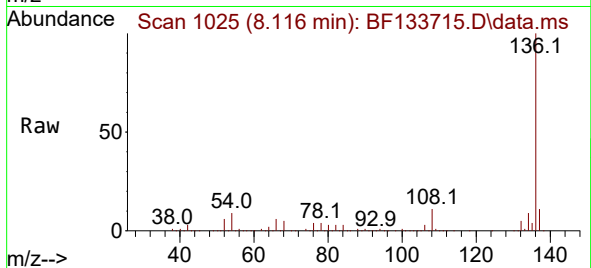
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 8.6 7.4 11.0

68 5.4 4.4 6.6



#23

Nitrobenzene-d5

Concen: 49.225 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF133715.D

Acq: 12 Jun 2023 21:15

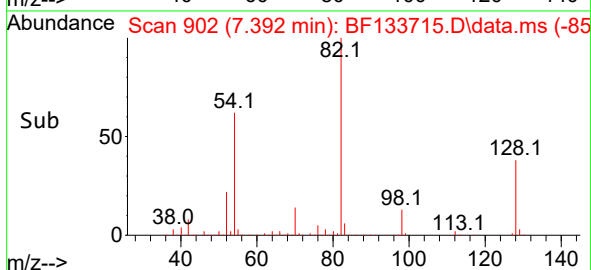
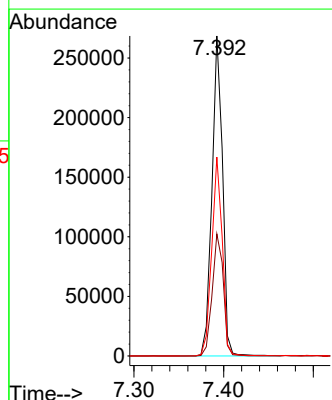
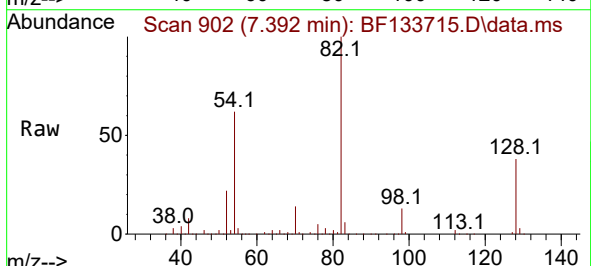
Tgt Ion: 82 Resp: 219700

Ion Ratio Lower Upper

82 100

128 38.2 34.2 51.2

54 62.2 46.5 69.7

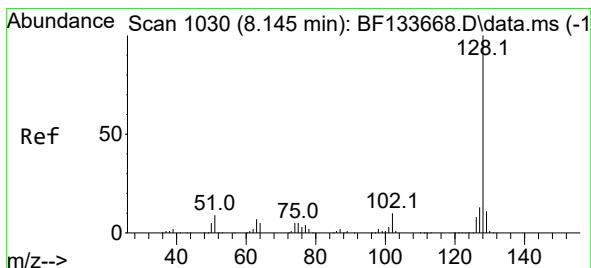
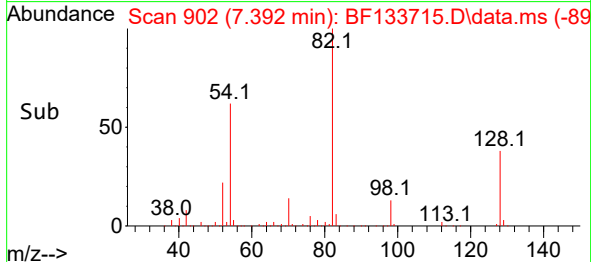
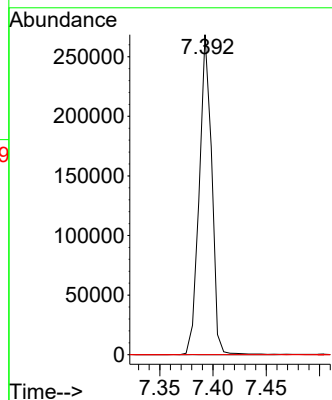
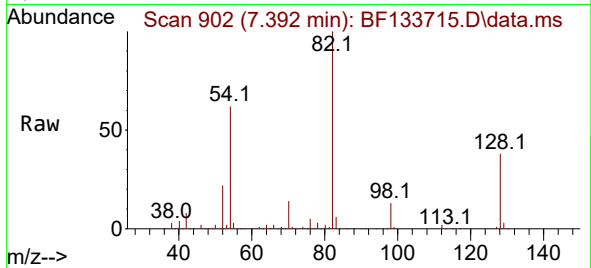




#25
Isophorone
Concen: 26.805 ng
RT: 7.392 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF133715.D
Acq: 12 Jun 2023 21:15

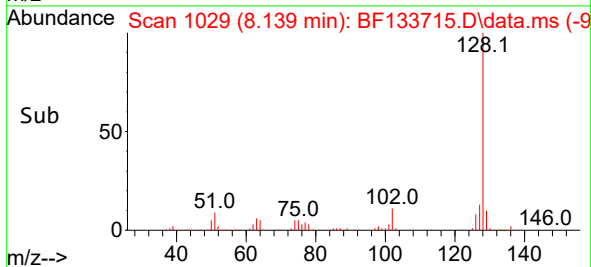
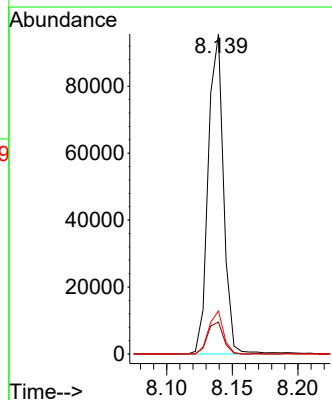
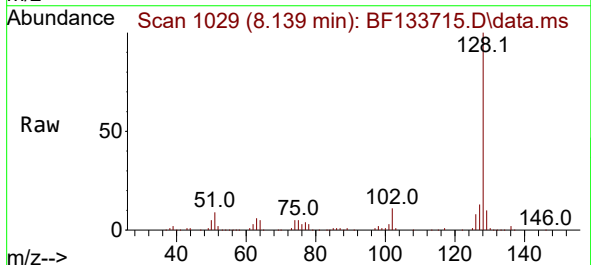
Instrument :
BNA_F
ClientSampleId :
SB-07-0-2.0

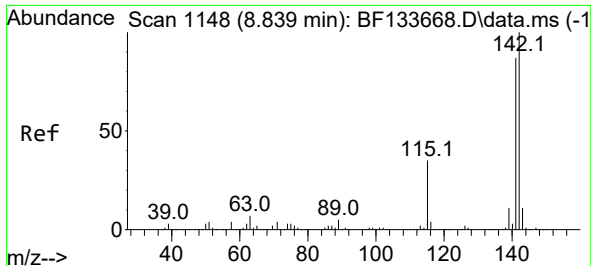
Tgt Ion: 82 Resp: 219638
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 6.578 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF133715.D
Acq: 12 Jun 2023 21:15

Tgt Ion: 128 Resp: 77903
Ion Ratio Lower Upper
128 100
129 10.0 8.9 13.3
127 13.5 10.5 15.7

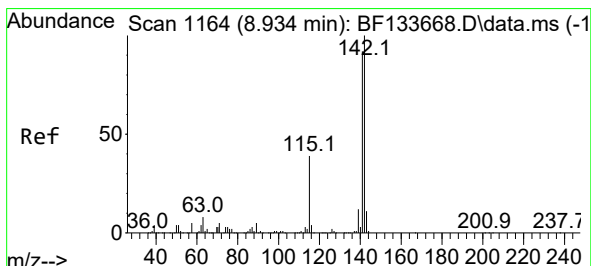
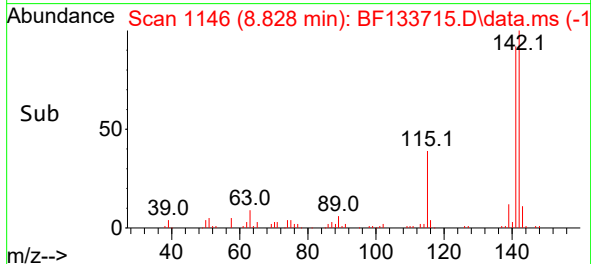
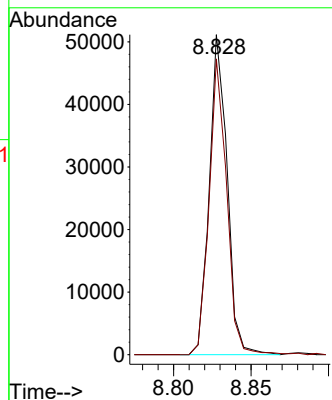
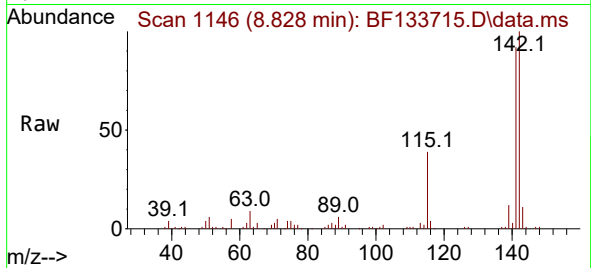




#37
2-Methylnaphthalene
Concen: 4.985 ng
RT: 8.828 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BF133715.D
Acq: 12 Jun 2023 21:15

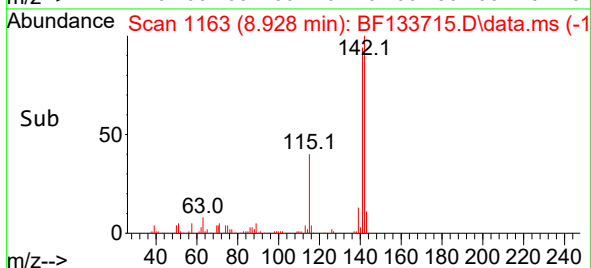
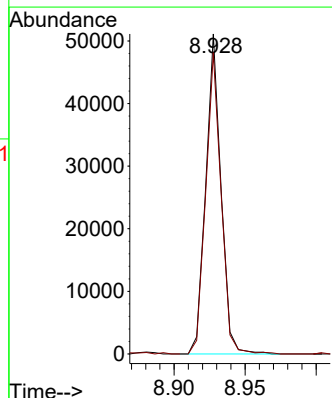
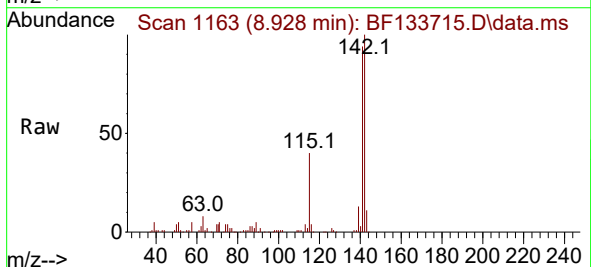
Instrument :
BNA_F
ClientSampleId :
SB-07-0-2.0

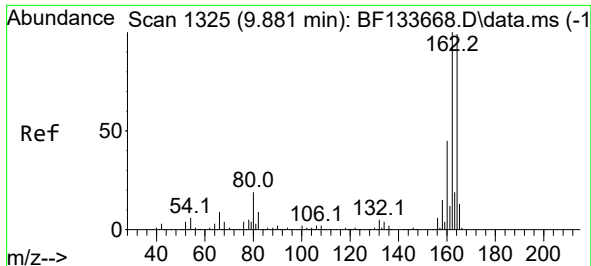
Tgt Ion:142 Resp: 41021
Ion Ratio Lower Upper
142 100
141 92.5 69.8 104.8



#38
1-Methylnaphthalene
Concen: 5.054 ng
RT: 8.928 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF133715.D
Acq: 12 Jun 2023 21:15

Tgt Ion:142 Resp: 38270
Ion Ratio Lower Upper
142 100
141 94.2 73.4 110.0

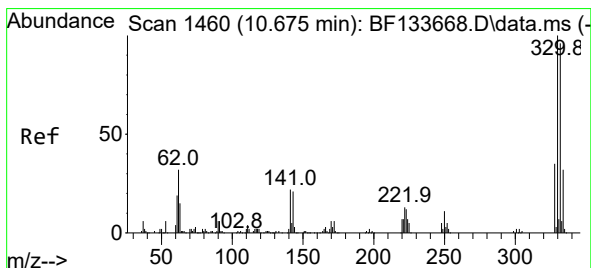
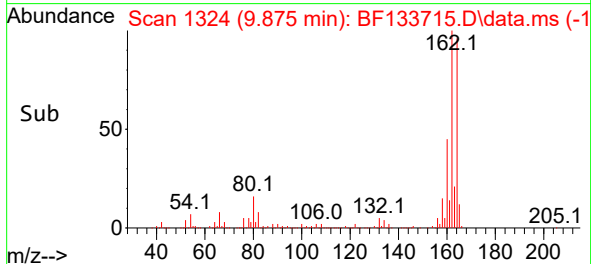
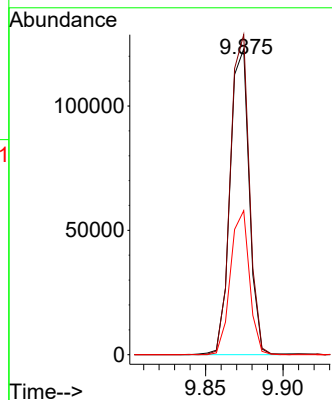
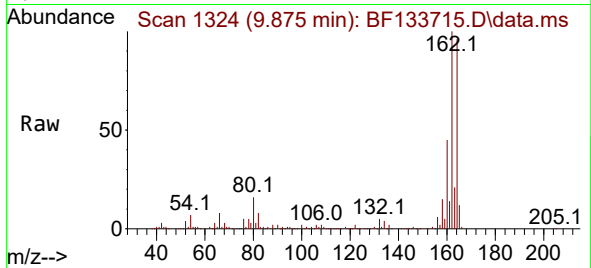




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133715.D
Acq: 12 Jun 2023 21:15

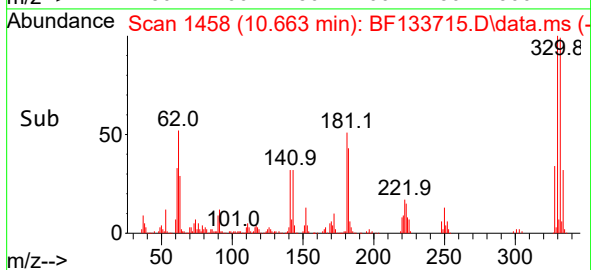
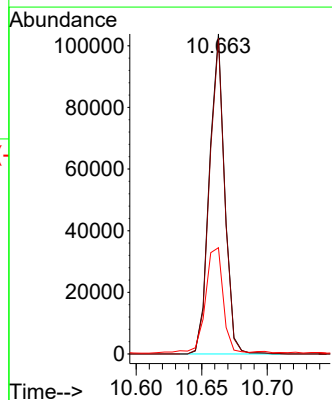
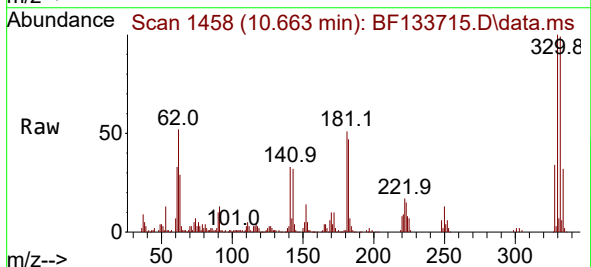
Instrument :
BNA_F
ClientSampleId :
SB-07-0-2.0

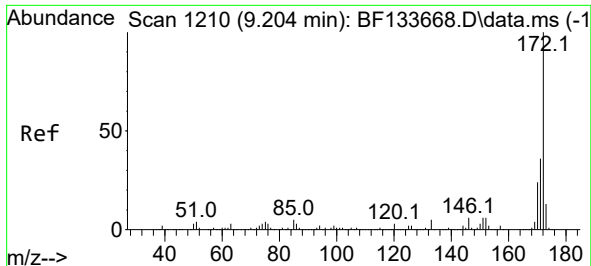
Tgt Ion:164 Resp: 105904
Ion Ratio Lower Upper
164 100
162 104.7 80.8 121.2
160 47.1 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 62.675 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF133715.D
Acq: 12 Jun 2023 21:15

Tgt Ion:330 Resp: 84019
Ion Ratio Lower Upper
330 100
332 98.1 77.2 115.8
141 38.6 24.9 37.3#





#45

2-Fluorobiphenyl

Concen: 52.158 ng

RT: 9.192 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133715.D

Acq: 12 Jun 2023 21:15

Instrument :

BNA_F

ClientSampleId :

SB-07-0-2.0

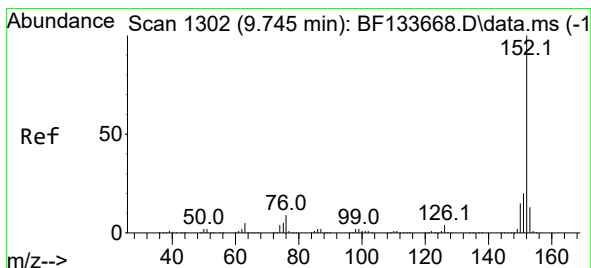
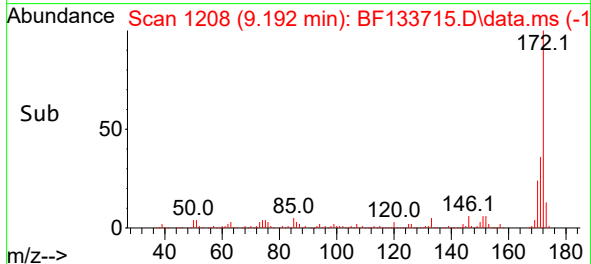
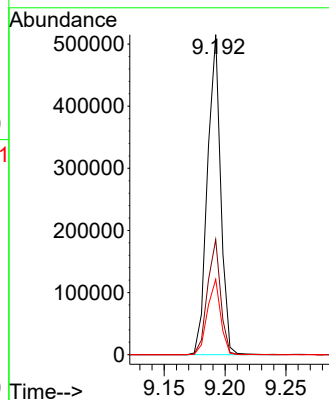
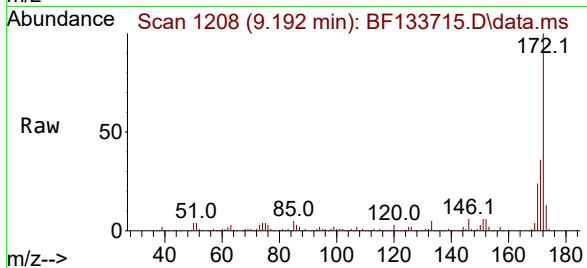
Tgt Ion:172 Resp: 388583

Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

170 23.6 19.1 28.7



#49

Acenaphthylene

Concen: 2.798 ng

RT: 9.733 min Scan# 1300

Delta R.T. -0.006 min

Lab File: BF133715.D

Acq: 12 Jun 2023 21:15

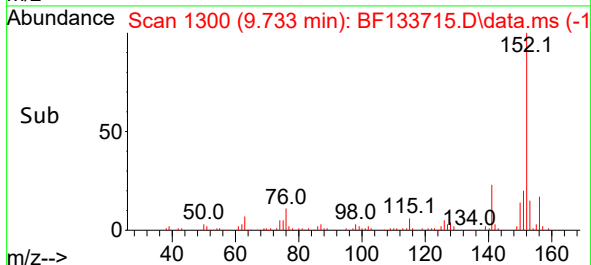
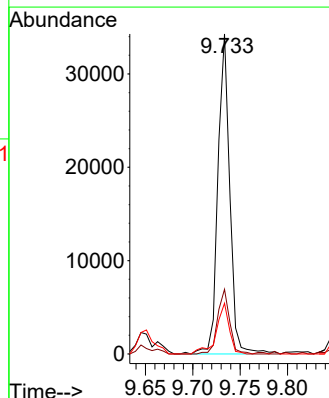
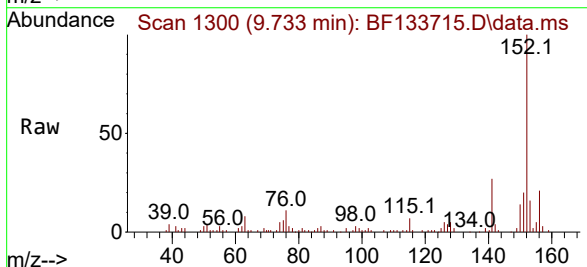
Tgt Ion:152 Resp: 29839

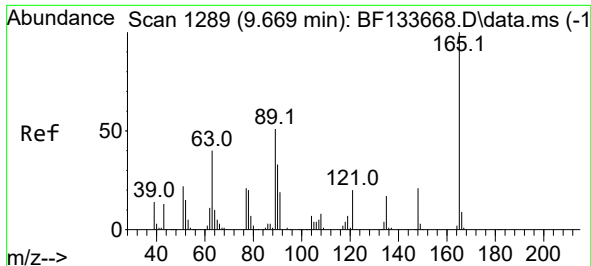
Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.4

153 15.9 10.4 15.6#

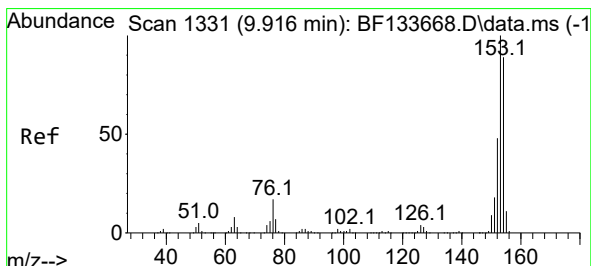
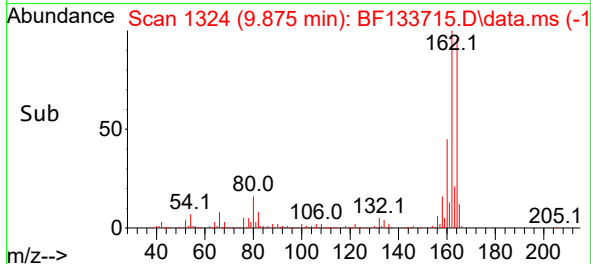
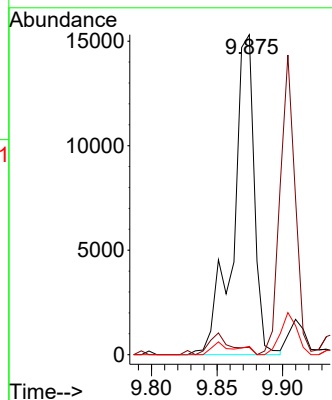
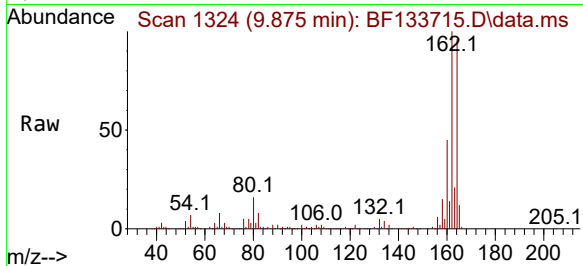




#51
2,6-Dinitrotoluene
Concen: 10.540 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133715.D
Acq: 12 Jun 2023 21:15

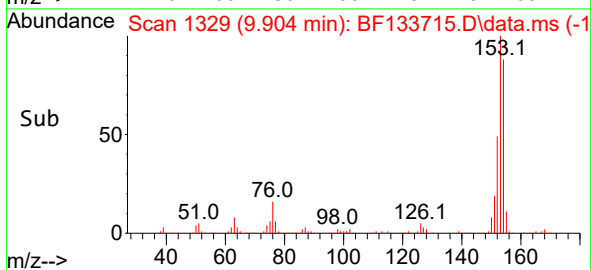
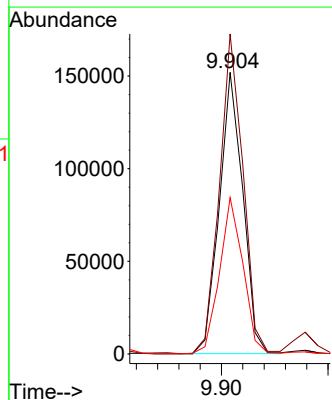
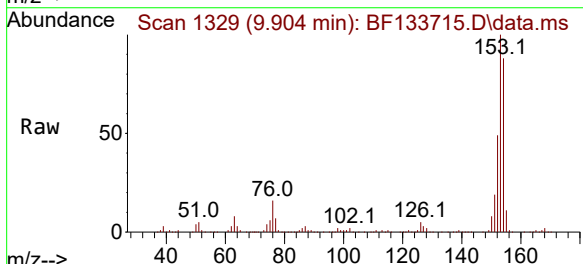
Instrument :
BNA_F
ClientSampleId :
SB-07-0-2.0

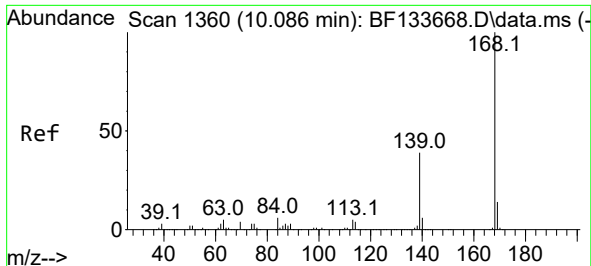
Tgt Ion:165 Resp: 17197
Ion Ratio Lower Upper
165 100
63 2.3 42.1 63.1#
89 2.6 40.9 61.3#



#52
Acenaphthene
Concen: 18.626 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF133715.D
Acq: 12 Jun 2023 21:15

Tgt Ion:154 Resp: 116260
Ion Ratio Lower Upper
154 100
153 113.6 89.8 134.8
152 55.5 43.4 65.2

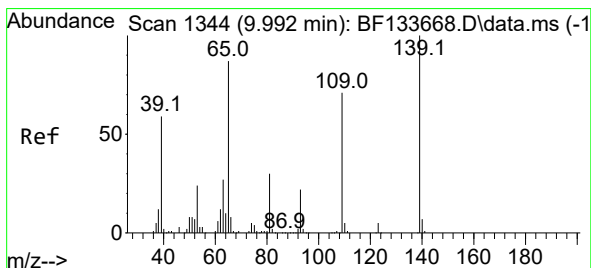
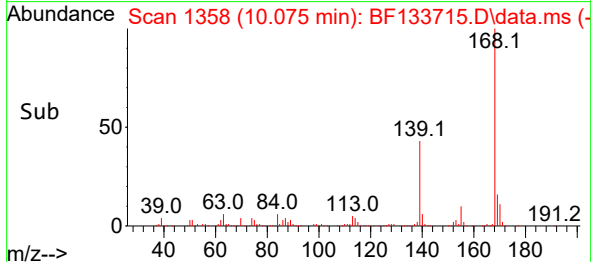
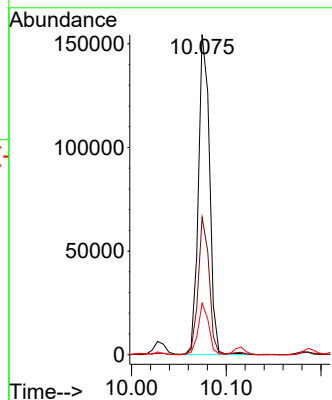
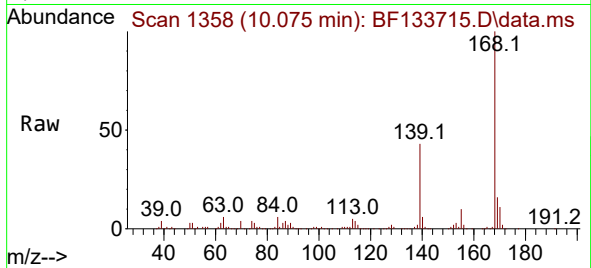




#55
Dibenzenofuran
Concen: 13.374 ng
RT: 10.075 min Scan# 1358
Delta R.T. -0.012 min
Lab File: BF133715.D
Acq: 12 Jun 2023 21:15

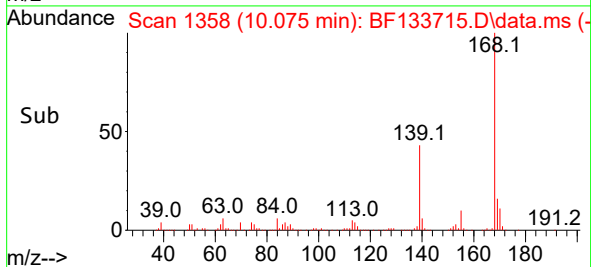
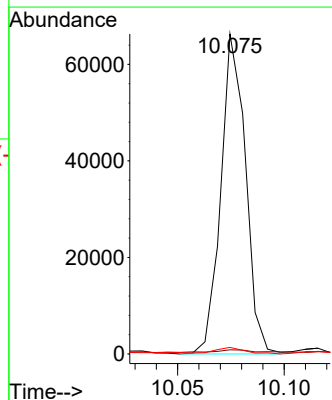
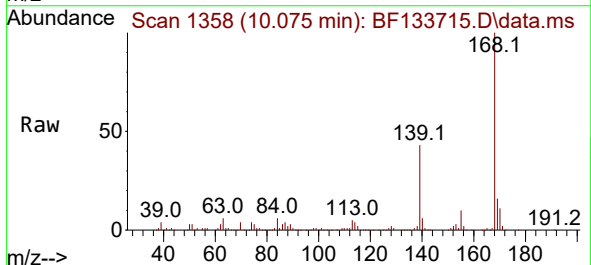
Instrument :
BNA_F
ClientSampleId :
SB-07-0-2.0

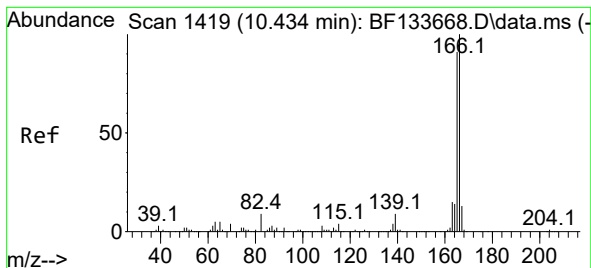
Tgt Ion:168 Resp: 127376
Ion Ratio Lower Upper
168 100
139 42.9 30.9 46.3
169 16.1 10.9 16.3



#56
4-Nitrophenol
Concen: 39.799 ng
RT: 10.075 min Scan# 1358
Delta R.T. 0.088 min
Lab File: BF133715.D
Acq: 12 Jun 2023 21:15

Tgt Ion:139 Resp: 53333
Ion Ratio Lower Upper
139 100
109 1.3 50.7 90.7#
65 2.1 67.1 107.1#





#58

Fluorene

Concen: 21.804 ng

RT: 10.422 min Scan# 1419

Delta R.T. -0.006 min

Lab File: BF133715.D

Acq: 12 Jun 2023 21:15

Instrument :

BNA_F

ClientSampleId :

SB-07-0-2.0

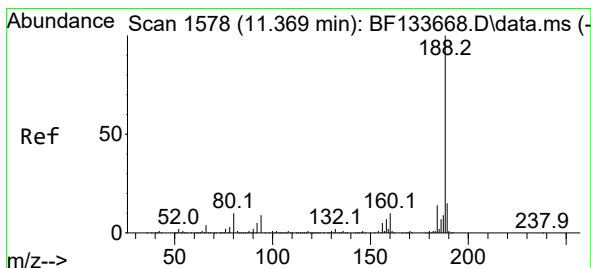
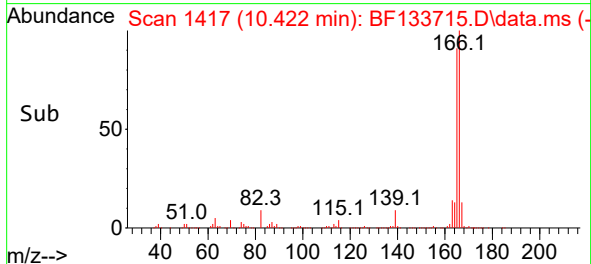
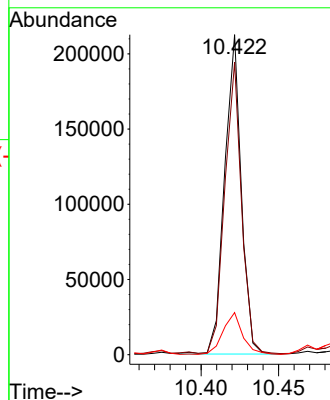
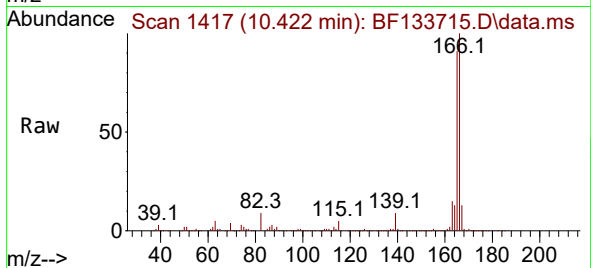
Tgt Ion:166 Resp: 158813

Ion Ratio Lower Upper

166 100

165 91.4 73.1 109.7

167 13.1 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1577

Delta R.T. -0.000 min

Lab File: BF133715.D

Acq: 12 Jun 2023 21:15

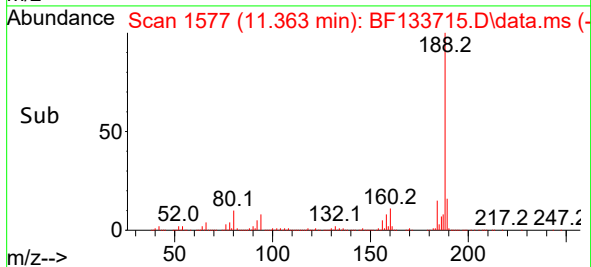
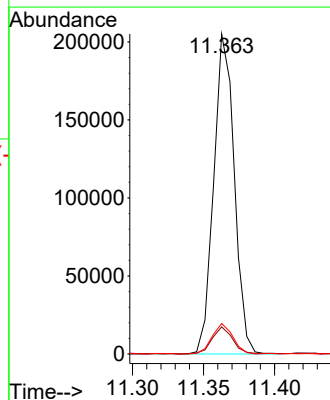
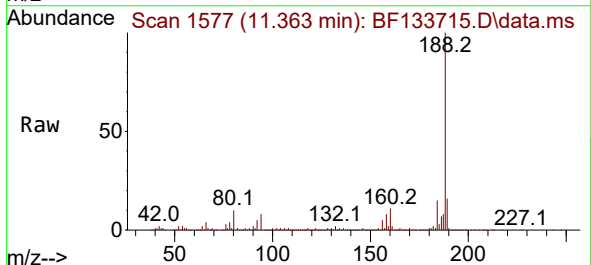
Tgt Ion:188 Resp: 206298

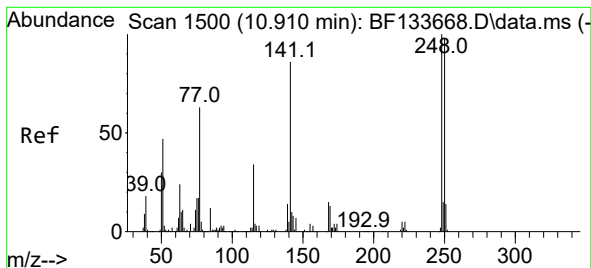
Ion Ratio Lower Upper

188 100

94 8.5 6.8 10.2

80 9.5 7.8 11.6

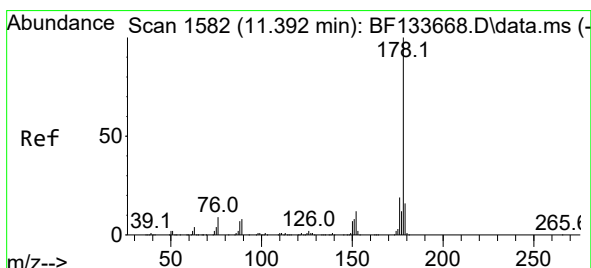
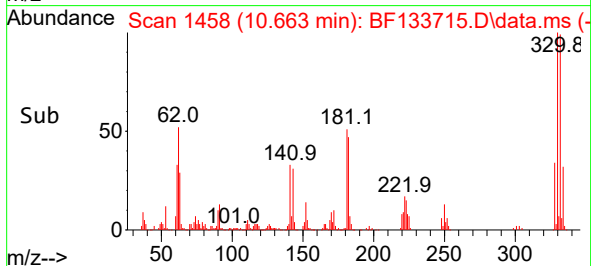
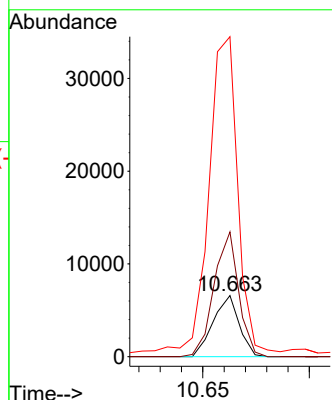
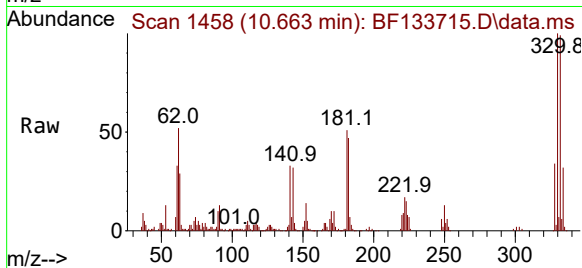




#67
4-Bromophenyl-phenylether
Concen: 2.427 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.247 min
Lab File: BF133715.D
Acq: 12 Jun 2023 21:15

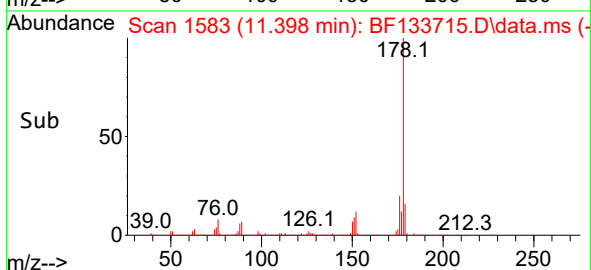
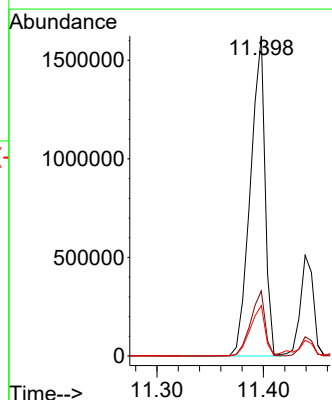
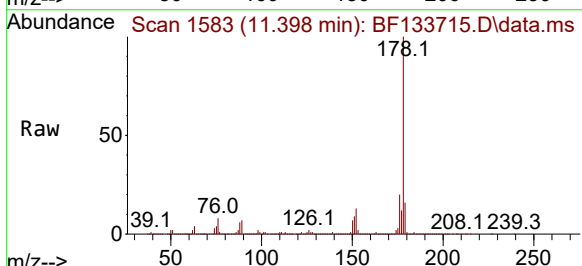
Instrument :
BNA_F
ClientSampleId :
SB-07-0-2.0

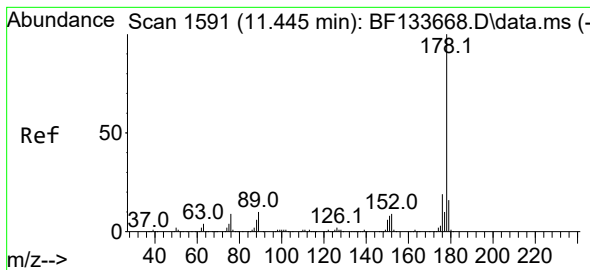
Tgt Ion:248 Resp: 5588
Ion Ratio Lower Upper
248 100
250 204.2 78.3 117.5#
141 523.3 69.0 103.6#



#71
Phenanthrene
Concen: 148.666 ng
RT: 11.398 min Scan# 1583
Delta R.T. 0.006 min
Lab File: BF133715.D
Acq: 12 Jun 2023 21:15

Tgt Ion:178 Resp: 1556020
Ion Ratio Lower Upper
178 100
176 20.3 15.6 23.4
179 15.7 12.4 18.6





#72

Anthracene

Concen: 38.521 ng

RT: 11.439 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133715.D

Acq: 12 Jun 2023 21:15

Instrument :

BNA_F

ClientSampleId :

SB-07-0-2.0

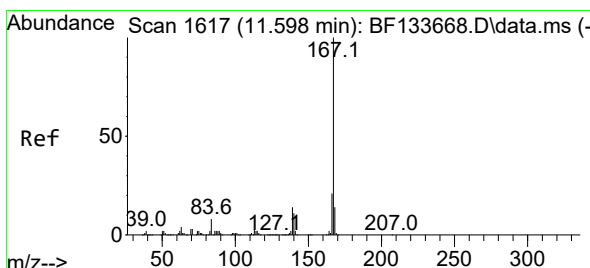
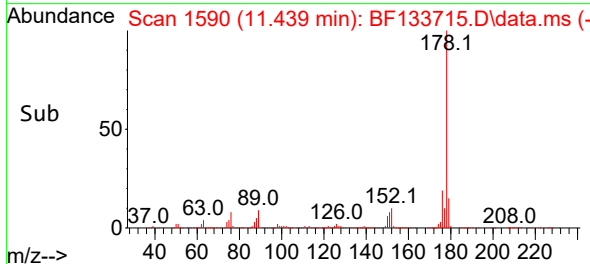
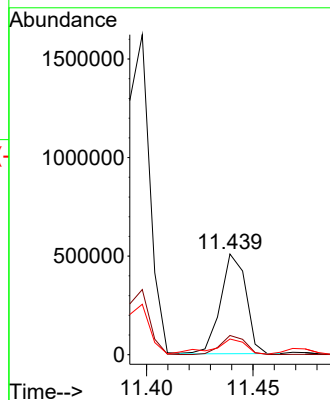
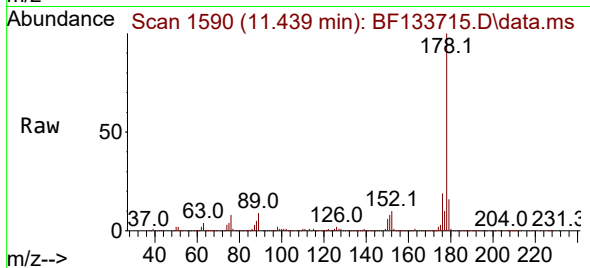
Tgt Ion:178 Resp: 420397

Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

179 15.5 12.6 18.8



#73

Carbazole

Concen: 11.485 ng

RT: 11.592 min Scan# 1616

Delta R.T. -0.006 min

Lab File: BF133715.D

Acq: 12 Jun 2023 21:15

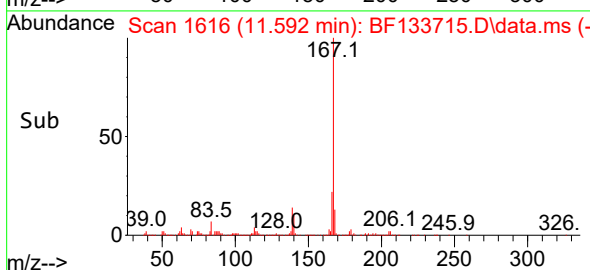
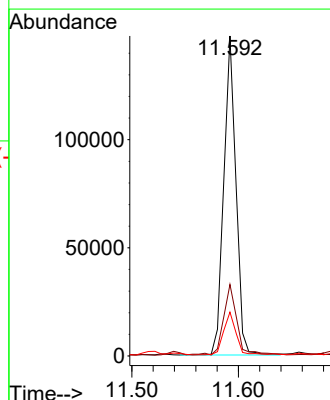
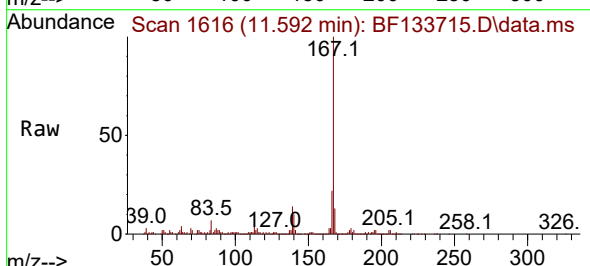
Tgt Ion:167 Resp: 116742

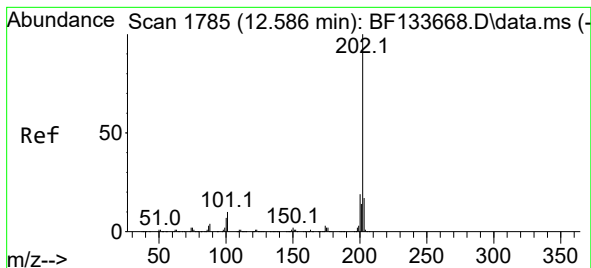
Ion Ratio Lower Upper

167 100

166 22.4 17.0 25.6

139 13.7 11.2 16.8





#75

Fluoranthene

Concen: 148.026 ng

RT: 12.592 min Scan# 1786

Delta R.T. 0.012 min

Lab File: BF133715.D

Acq: 12 Jun 2023 21:15

Instrument :

BNA_F

ClientSampleId :

SB-07-0-2.0

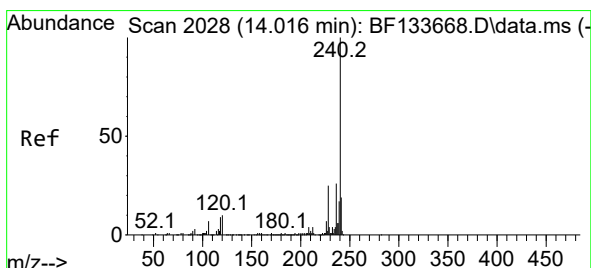
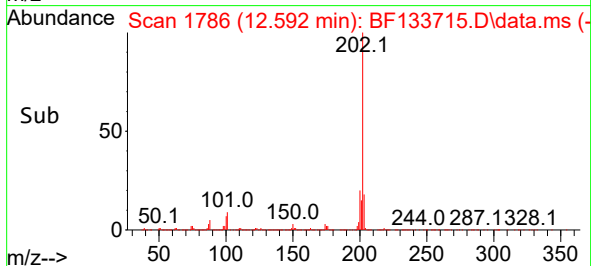
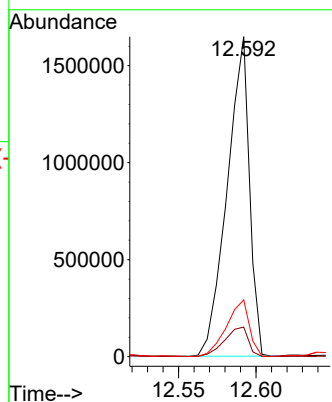
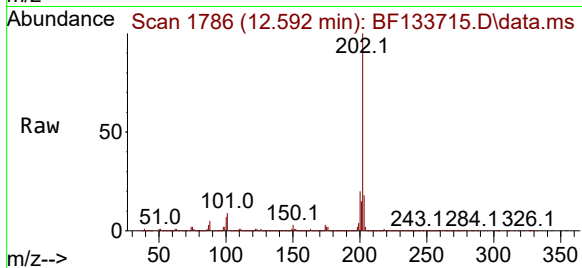
Tgt Ion:202 Resp: 1645266

Ion Ratio Lower Upper

202 100

101 9.2 0.0 29.6

203 17.8 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF133715.D

Acq: 12 Jun 2023 21:15

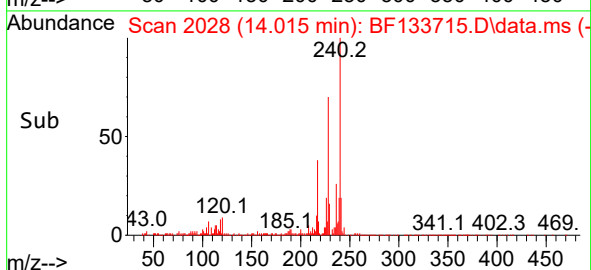
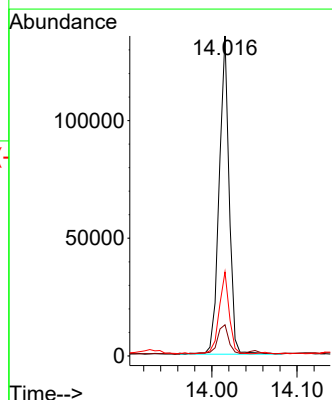
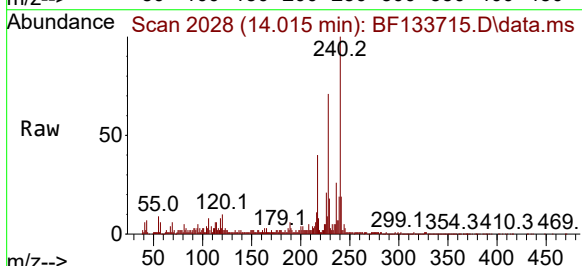
Tgt Ion:240 Resp: 109902

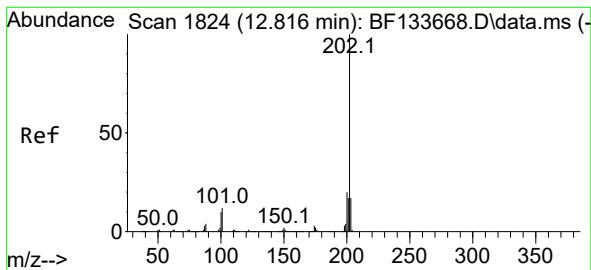
Ion Ratio Lower Upper

240 100

120 9.7 8.1 12.1

236 26.2 20.5 30.7





#78

Pyrene

Concen: 137.831 ng

RT: 12.821 min Scan# 1825

Delta R.T. 0.012 min

Lab File: BF133715.D

Acq: 12 Jun 2023 21:15

Instrument :

BNA_F

ClientSampleId :

SB-07-0-2.0

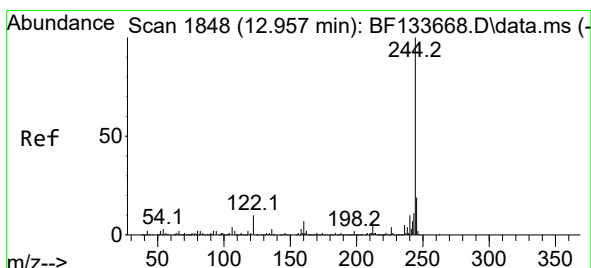
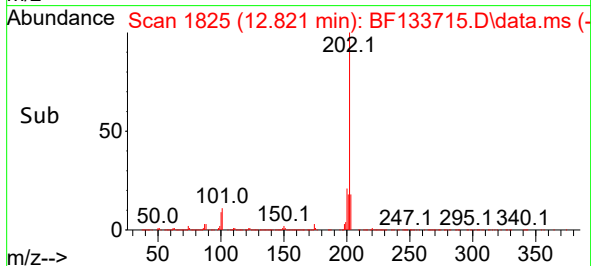
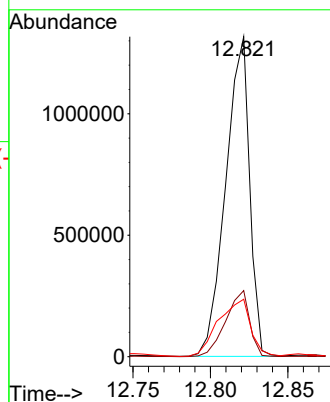
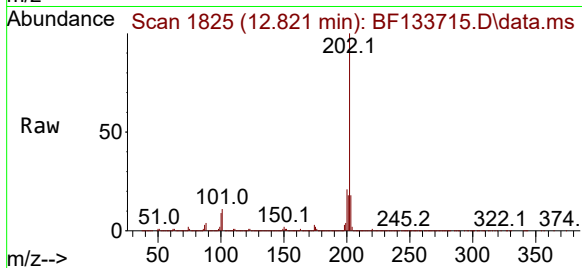
Tgt Ion:202 Resp: 1411084

Ion Ratio Lower Upper

202 100

200 20.7 16.2 24.2

203 18.0 13.9 20.9



#79

Terphenyl-d14

Concen: 53.982 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF133715.D

Acq: 12 Jun 2023 21:15

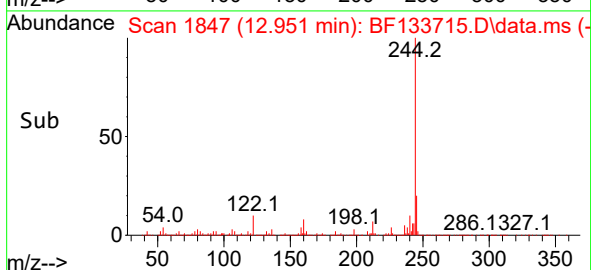
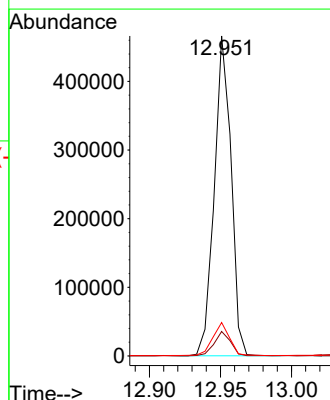
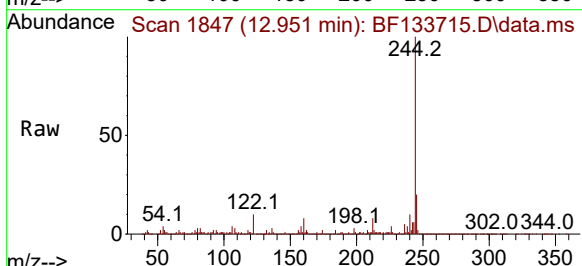
Tgt Ion:244 Resp: 383410

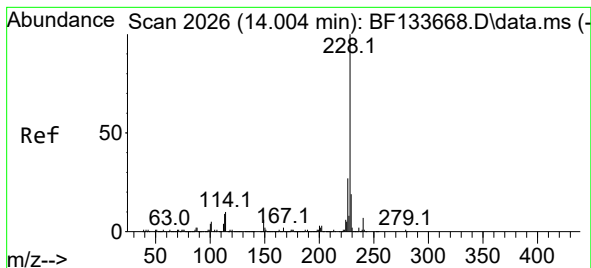
Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.2

122 10.4 8.1 12.1





#81

Benzo(a)anthracene

Concen: 71.836 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF133715.D

Acq: 12 Jun 2023 21:15

Instrument :

BNA_F

ClientSampleId :

SB-07-0-2.0

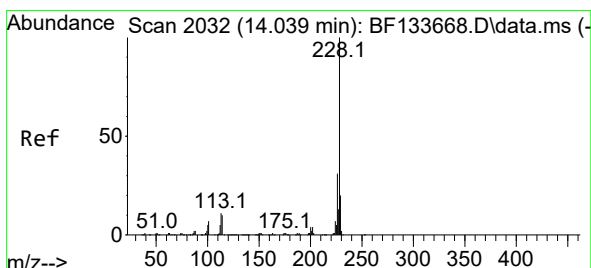
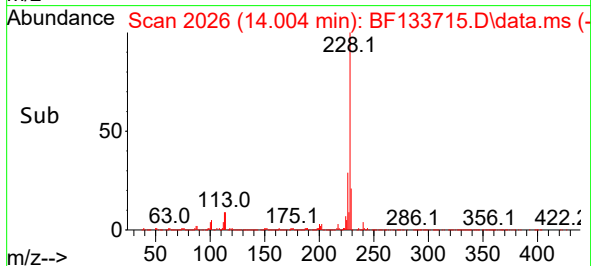
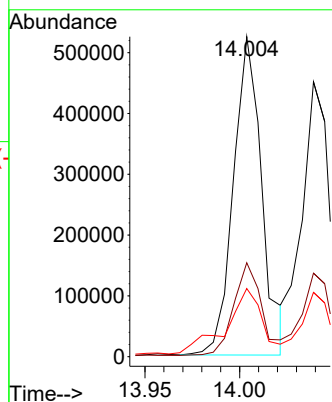
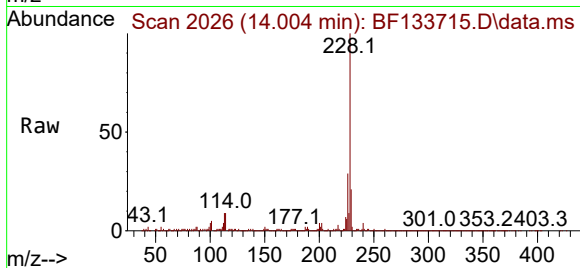
Tgt Ion:228 Resp: 546093

Ion Ratio Lower Upper

228 100

226 29.3 21.7 32.5

229 21.3 15.4 23.2



#83

Chrysene

Concen: 60.980 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF133715.D

Acq: 12 Jun 2023 21:15

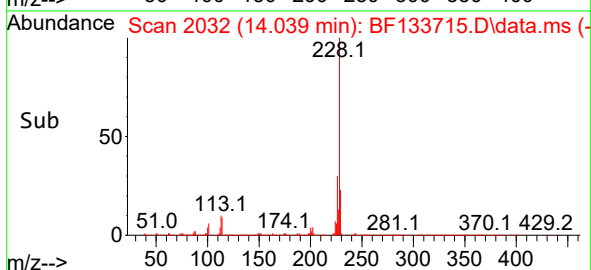
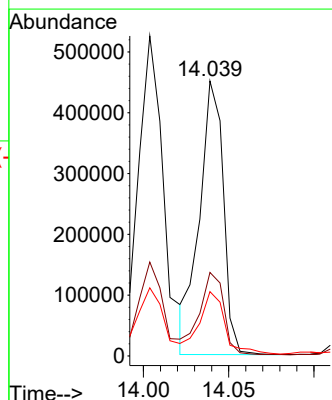
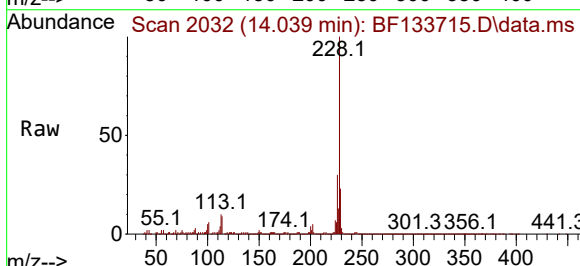
Tgt Ion:228 Resp: 438452

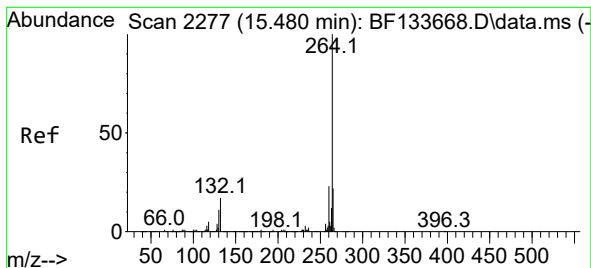
Ion Ratio Lower Upper

228 100

226 30.4 25.0 37.6

229 23.4 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 2277

Delta R.T. 0.006 min

Lab File: BF133715.D

Acq: 12 Jun 2023 21:15

Instrument :

BNA_F

ClientSampleId :

SB-07-0-2.0

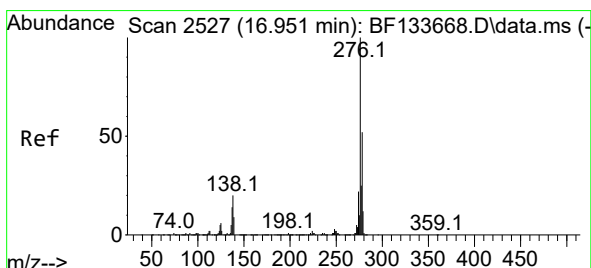
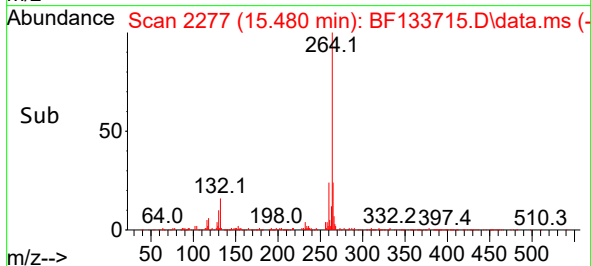
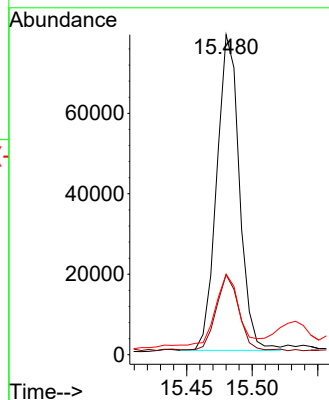
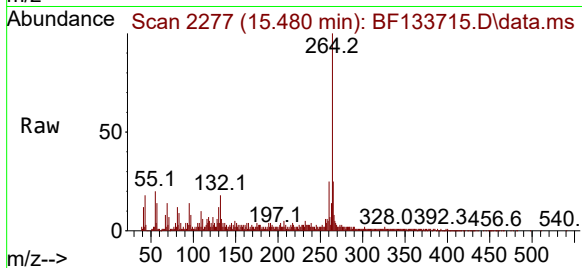
Tgt Ion:264 Resp: 94355

Ion Ratio Lower Upper

264 100

260 25.0 18.2 27.2

265 25.2 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 24.855 ng

RT: 16.951 min Scan# 2527

Delta R.T. 0.006 min

Lab File: BF133715.D

Acq: 12 Jun 2023 21:15

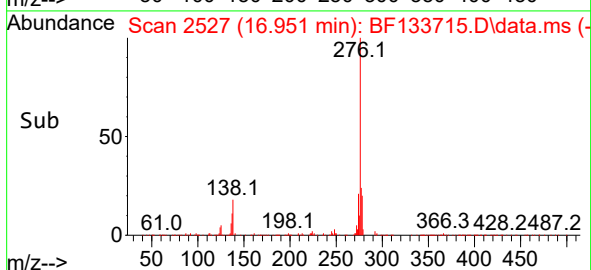
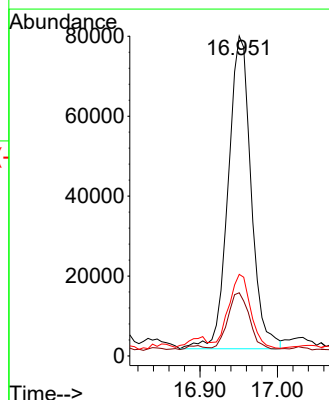
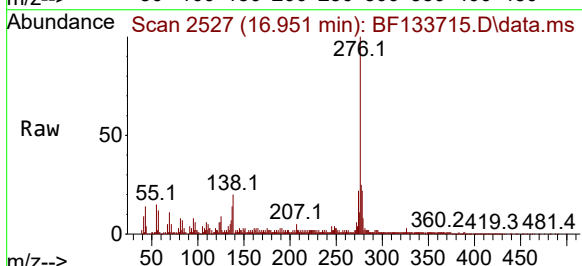
Tgt Ion:276 Resp: 161342

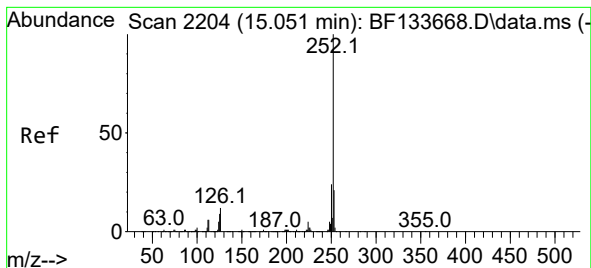
Ion Ratio Lower Upper

276 100

138 17.3 17.9 26.9

277 22.7 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 95.618 ng

RT: 15.057 min Scan# 2205

Delta R.T. 0.006 min

Lab File: BF133715.D

Acq: 12 Jun 2023 21:15

Instrument :

BNA_F

ClientSampleId :

SB-07-0-2.0

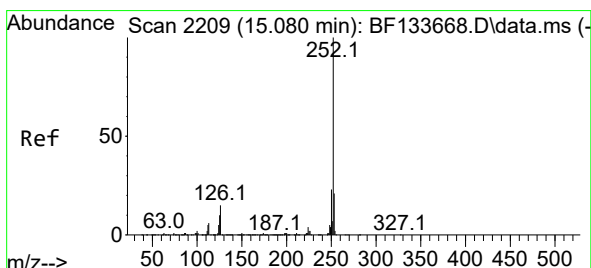
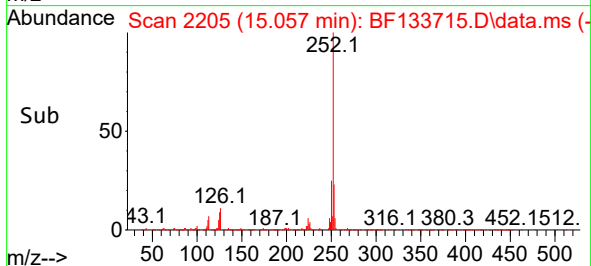
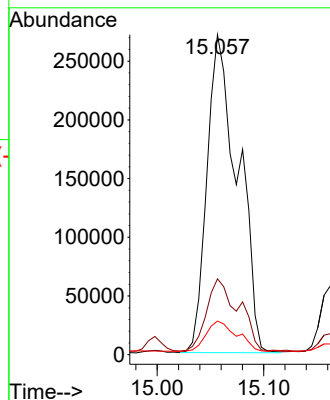
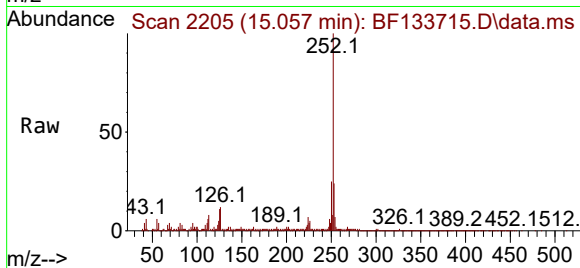
Tgt Ion:252 Resp: 548049

Ion Ratio Lower Upper

252 100

253 23.7 17.0 25.6

125 10.5 7.3 10.9



#89

Benzo(k)fluoranthene

Concen: 98.158 ng

RT: 15.057 min Scan# 2205

Delta R.T. -0.024 min

Lab File: BF133715.D

Acq: 12 Jun 2023 21:15

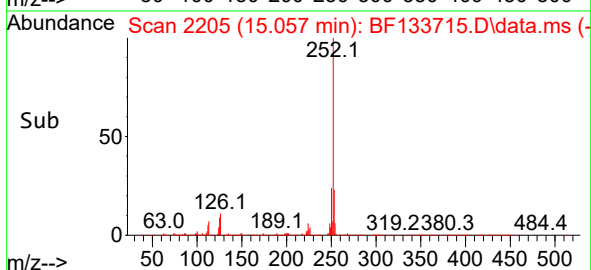
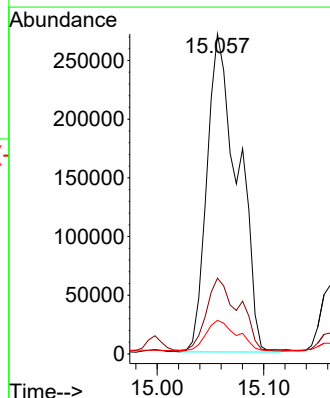
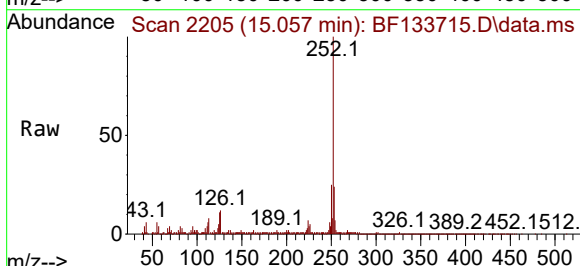
Tgt Ion:252 Resp: 548049

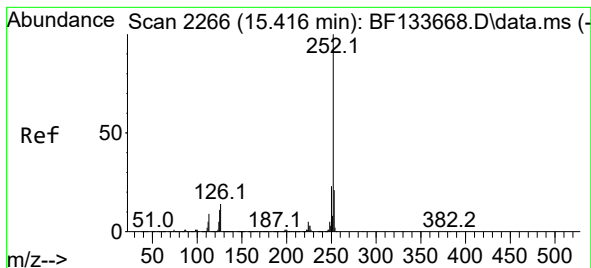
Ion Ratio Lower Upper

252 100

253 23.7 17.0 25.4

125 10.5 7.8 11.6





#90

Benzo(a)pyrene

Concen: 56.600 ng

RT: 15.421 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133715.D

Acq: 12 Jun 2023 21:15

Instrument :

BNA_F

ClientSampleId :

SB-07-0-2.0

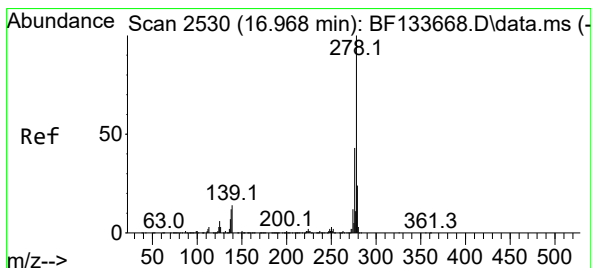
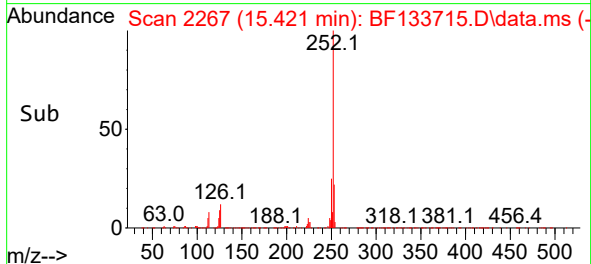
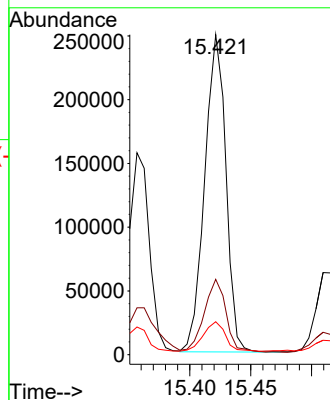
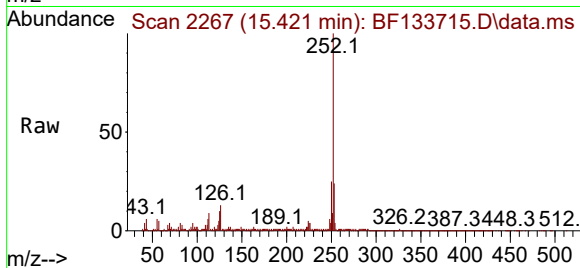
Tgt Ion:252 Resp: 301080

Ion Ratio Lower Upper

252 100

253 23.5 17.1 25.7

125 10.3 8.6 13.0



#91

Dibenzo(a,h)anthracene

Concen: 7.551 ng

RT: 16.956 min Scan# 2528

Delta R.T. -0.006 min

Lab File: BF133715.D

Acq: 12 Jun 2023 21:15

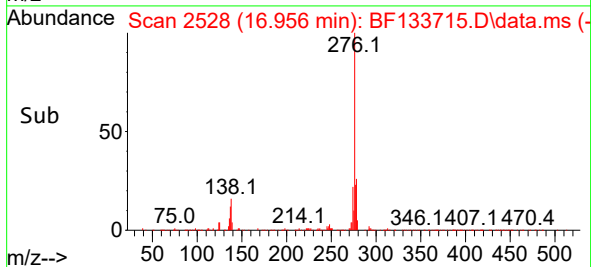
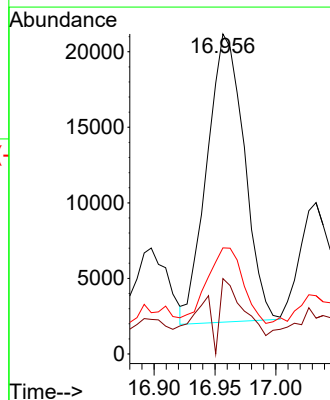
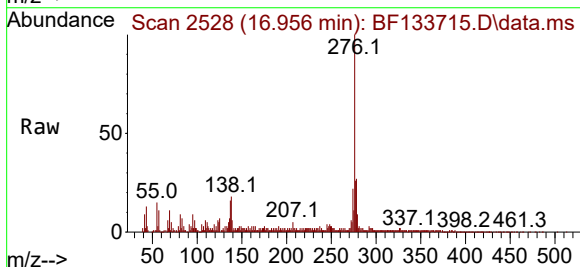
Tgt Ion:278 Resp: 40581

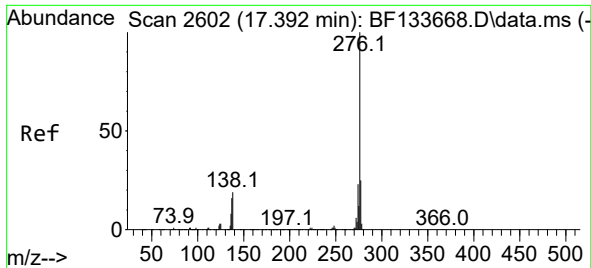
Ion Ratio Lower Upper

278 100

139 23.6 11.4 17.2#

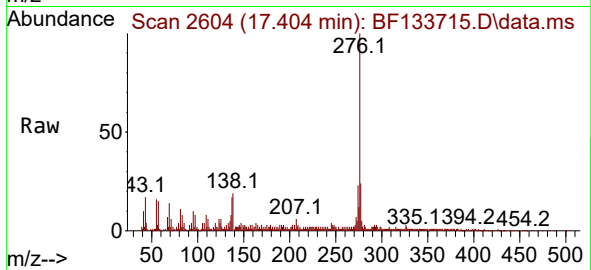
279 33.2 19.0 28.4#





#92
 Benzo(g,h,i)perylene
 Concen: 26.665 ng
 RT: 17.404 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF133715.D
 Acq: 12 Jun 2023 21:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-0-2.0



Tgt Ion:276 Resp: 142079

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.8	29.8
138	19.0	15.0	22.4

