

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
 Data File : BF133713.D
 Acq On : 12 Jun 2023 20:09
 Operator : CG\JU
 Sample : 03044-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-5.0-7.0

Quant Time: Jun 12 22:11:36 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

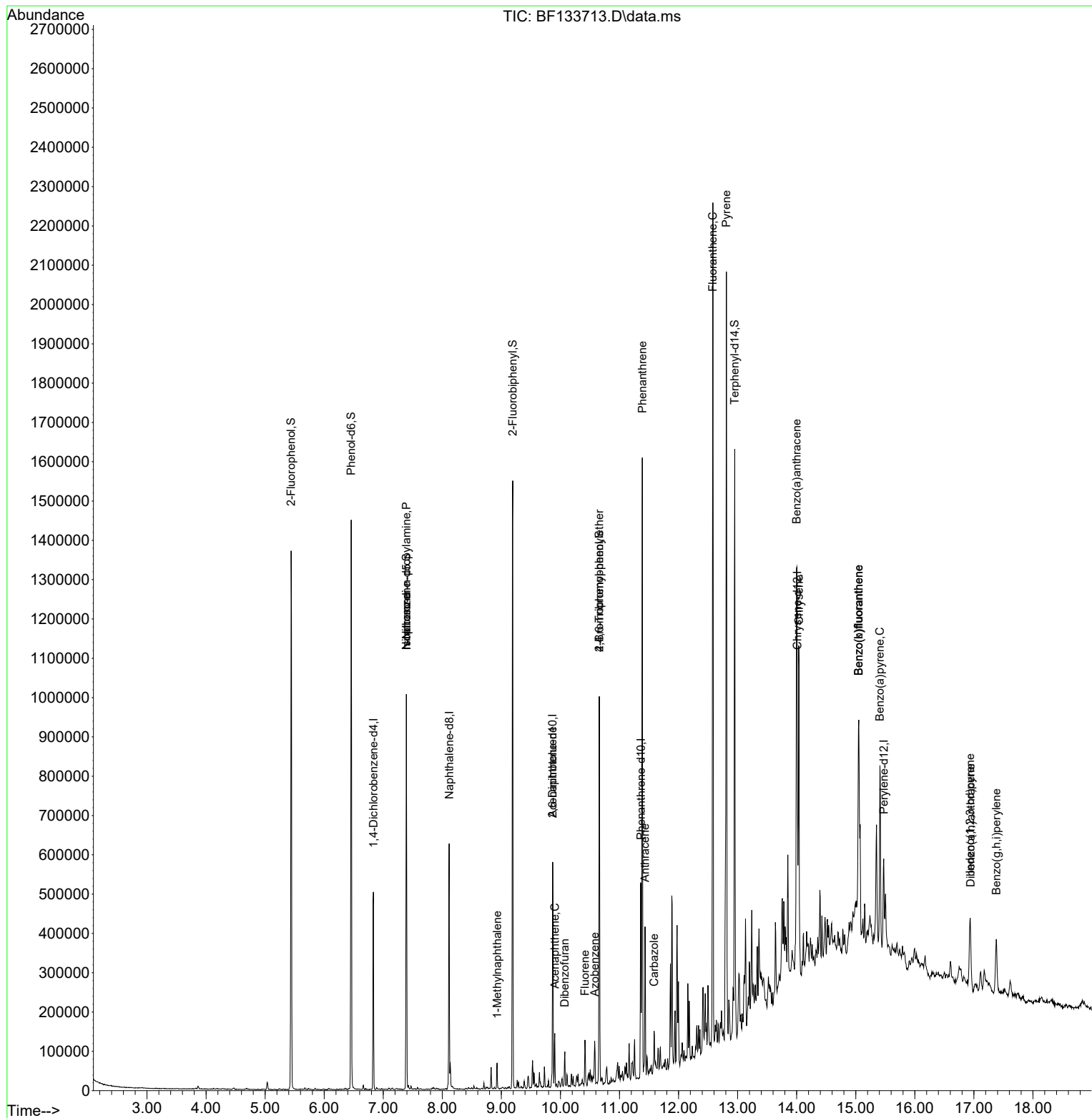
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.833	152	69935	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	240253	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	100984	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	191633	20.000	ng	# 0.00
76) Chrysene-d12	14.009	240	135237	20.000	ng	0.00
86) Perylene-d12	15.474	264	103117	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	338753	84.326	ng	0.00
7) Phenol-d6	6.457	99	394867	75.515	ng	-0.01
23) Nitrobenzene-d5	7.392	82	264808	60.034	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	92845	72.633	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	439263	61.833	ng	0.00
79) Terphenyl-d14	12.951	244	463604	53.044	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.392	70	36658	11.019	ng	# 81
25) Isophorone	7.392	82	264805	32.700	ng	# 65
38) 1-Methylnaphthalene	8.927	142	15163	2.026	ng	94
51) 2,6-Dinitrotoluene	9.869	165	14761	9.488	ng	# 29
52) Acenaphthene	9.904	154	25168	4.229	ng	97
55) Dibenzofuran	10.074	168	19531	2.151	ng	# 94
58) Fluorene	10.416	166	29067	4.185	ng	96
63) Azobenzene	10.580	77	15264	2.102	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	6101	2.852	ng	# 1
71) Phenanthrene	11.386	178	513712	52.837	ng	100
72) Anthracene	11.433	178	129302	12.755	ng	100
73) Carbazole	11.586	167	39696	4.204	ng	97
75) Fluoranthene	12.580	202	821362	79.554	ng	98
78) Pyrene	12.810	202	793898	63.019	ng	99
81) Benzo(a)anthracene	13.998	228	384571	41.111	ng	97
83) Chrysene	14.039	228	331250	37.440	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	126946	17.894	ng	94
88) Benzo(b)fluoranthene	15.051	252	399866	63.836	ng	97
89) Benzo(k)fluoranthene	15.051	252	399866	65.533	ng	97
90) Benzo(a)pyrene	15.409	252	215017	36.986	ng	96
91) Dibenzo(a,h)anthracene	16.945	278	31889	5.430	ng	# 80
92) Benzo(g,h,i)perylene	17.380	276	115993	19.919	ng	98

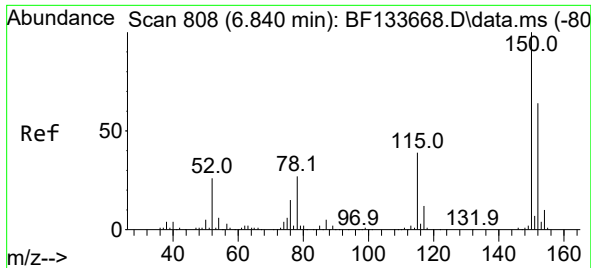
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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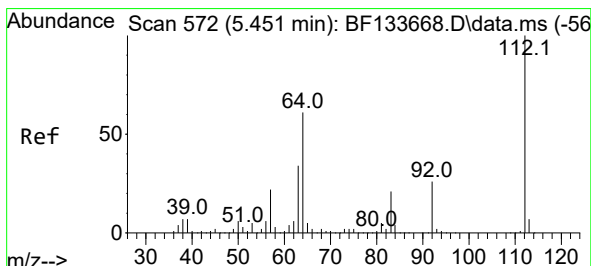
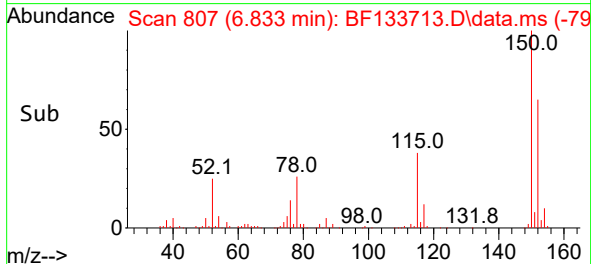
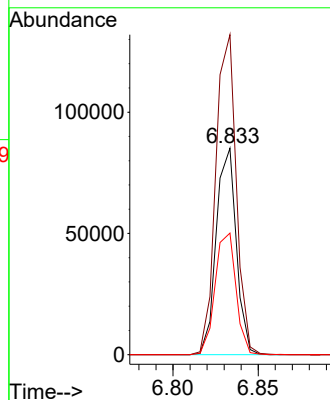
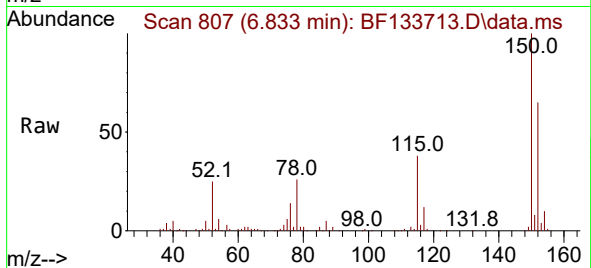




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.833 min Scan# 80
Delta R.T. -0.001 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

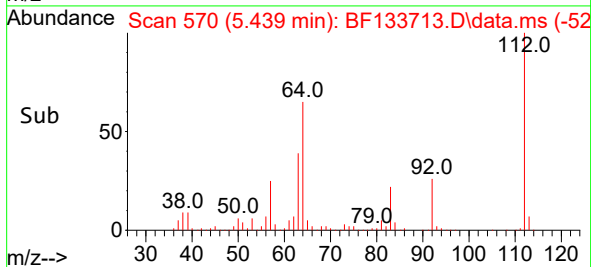
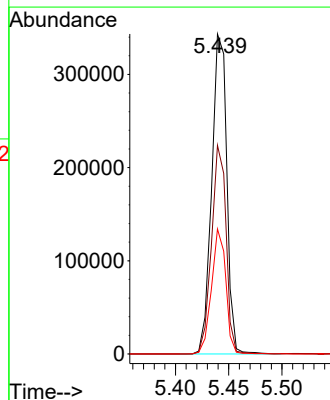
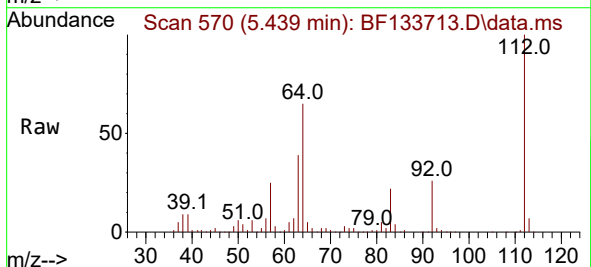
Instrument :
BNA_F
ClientSampleId :
SB-07-5.0-7.0

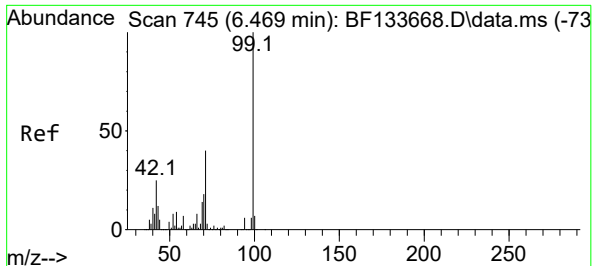
Tgt Ion:152 Resp: 69935
Ion Ratio Lower Upper
152 100
150 155.0 124.3 186.5
115 58.9 48.5 72.7



#5
2-Fluorophenol
Concen: 84.326 ng
RT: 5.439 min Scan# 570
Delta R.T. -0.006 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

Tgt Ion:112 Resp: 338753
Ion Ratio Lower Upper
112 100
64 65.2 49.0 73.4
63 39.0 26.8 40.2

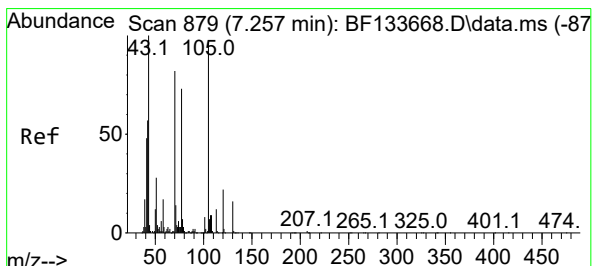
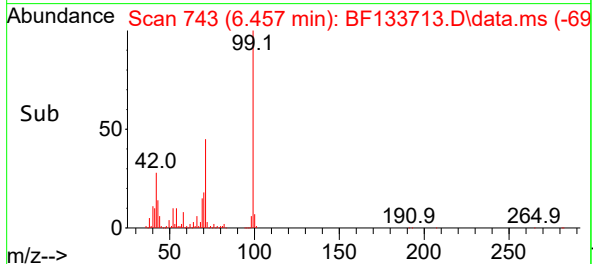
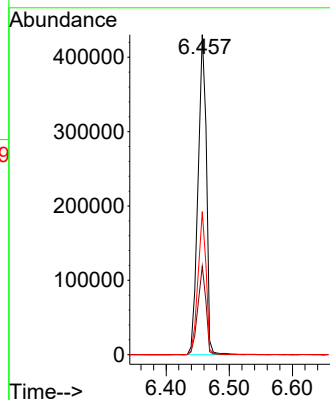
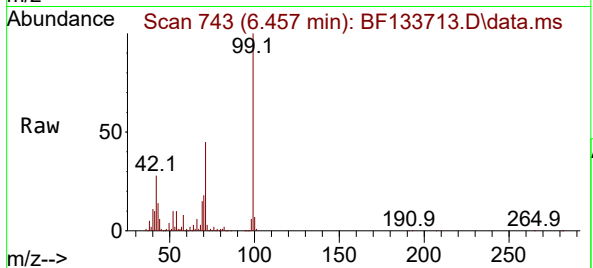




#7
Phenol-d6
Concen: 75.515 ng
RT: 6.457 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

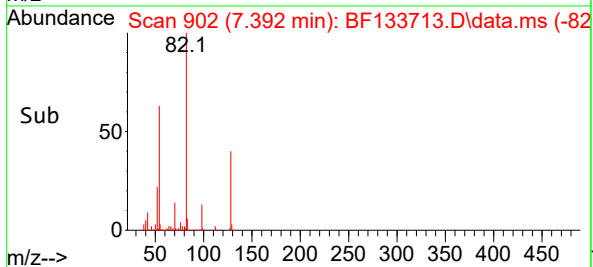
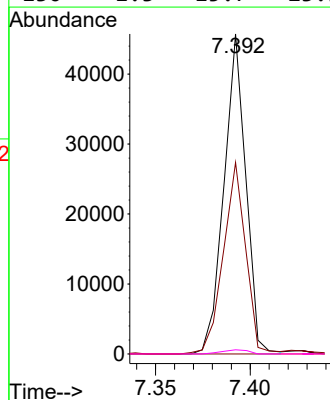
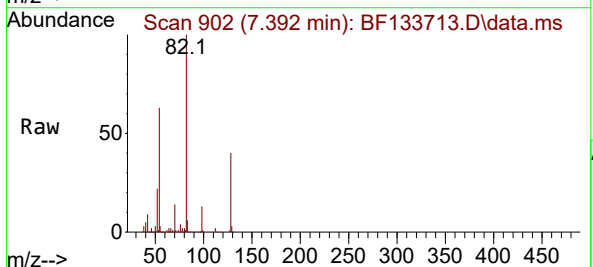
Instrument :
BNA_F
ClientSampleId :
SB-07-5.0-7.0

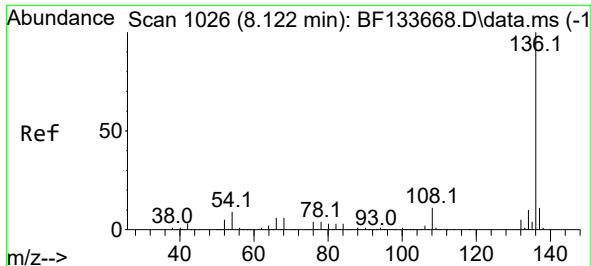
Tgt Ion: 99 Resp: 394867
Ion Ratio Lower Upper
99 100
42 27.7 19.9 29.9
71 44.7 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.019 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.141 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

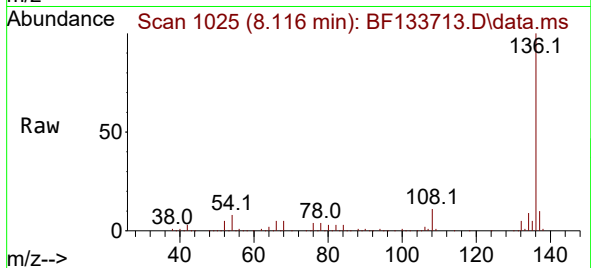
Tgt Ion: 70 Resp: 36658
Ion Ratio Lower Upper
70 100
42 59.9 55.8 83.8
101 0.0 8.1 12.1#
130 1.3 15.7 23.5#



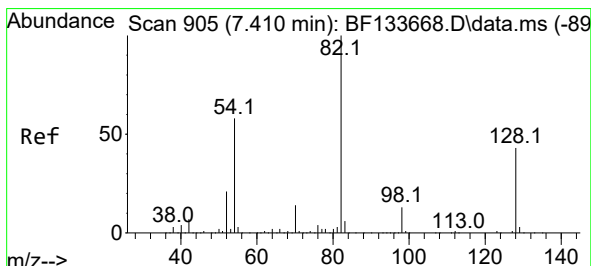
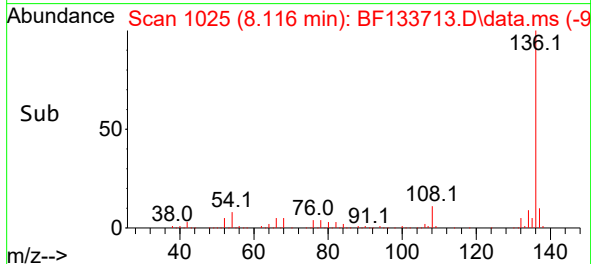
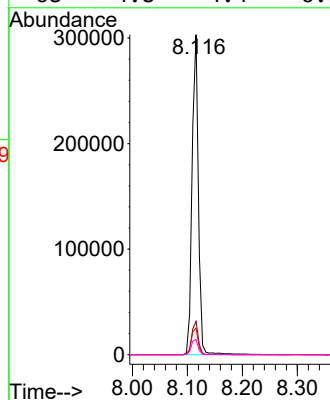


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

Instrument :
BNA_F
ClientSampleId :
SB-07-5.0-7.0

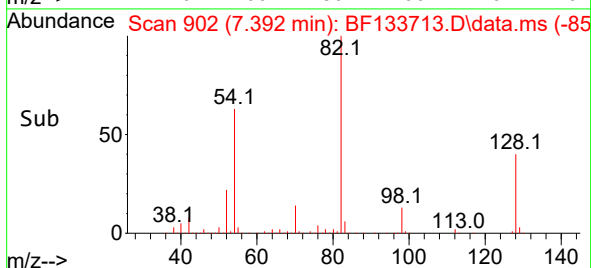
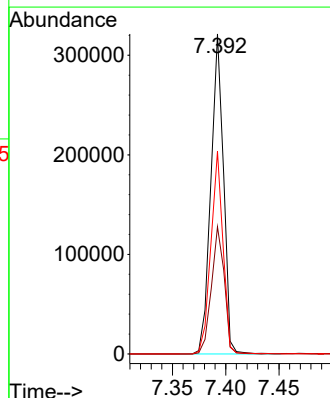
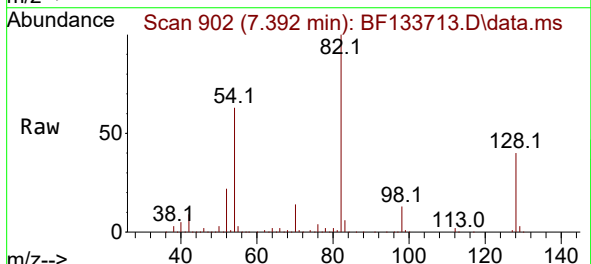


Tgt Ion:136 Resp: 240253
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 8.4 7.4 11.0
68 4.8 4.4 6.6



#23
Nitrobenzene-d5
Concen: 60.034 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

Tgt Ion: 82 Resp: 264808
Ion Ratio Lower Upper
82 100
128 39.7 34.2 51.2
54 63.3 46.5 69.7

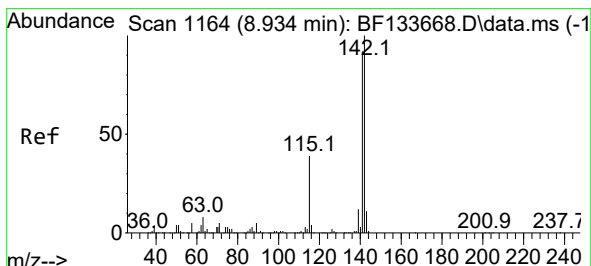
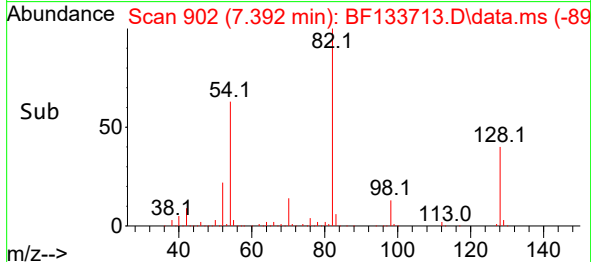
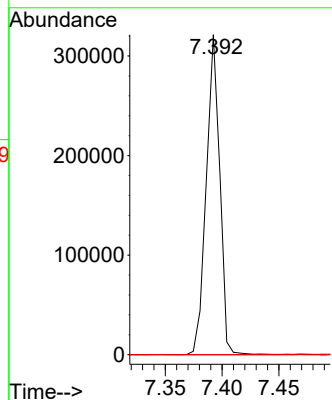
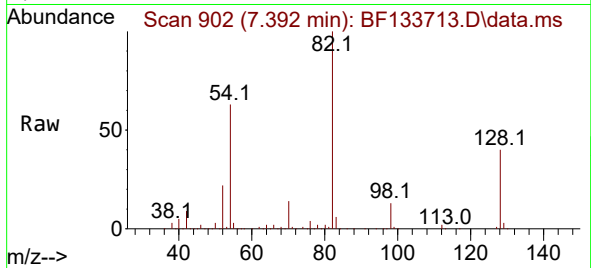




#25
Isophorone
Concen: 32.700 ng
RT: 7.392 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

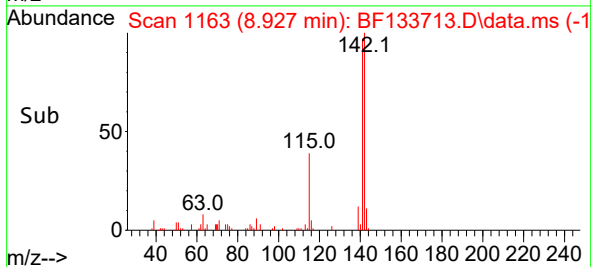
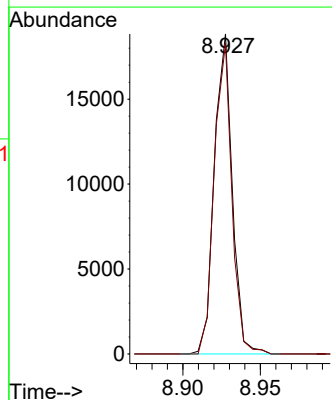
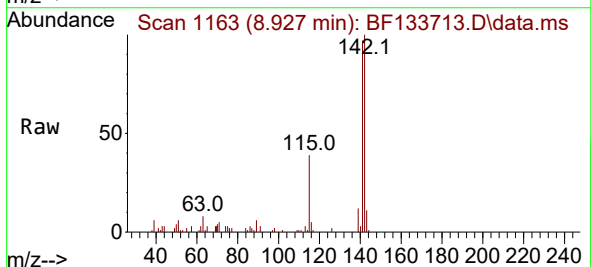
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BNA_F
ClientSampleId :
SB-07-5.0-7.0

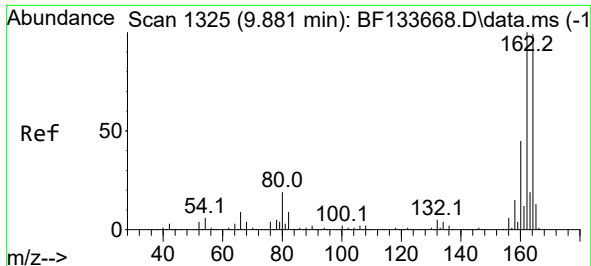
Tgt Ion: 82 Resp: 264805
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#38
1-Methylnaphthalene
Concen: 2.026 ng
RT: 8.927 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

Tgt Ion: 142 Resp: 15163
Ion Ratio Lower Upper
142 100
141 97.0 73.4 110.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133713.D

Acq: 12 Jun 2023 20:09

Instrument :

BNA_F

ClientSampleId :

SB-07-5.0-7.0

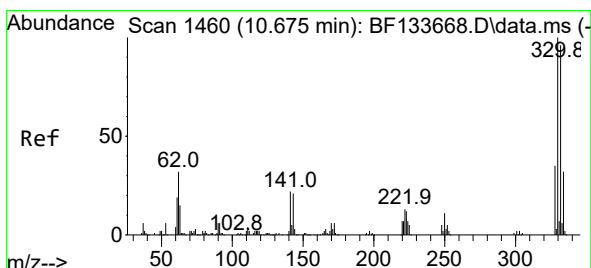
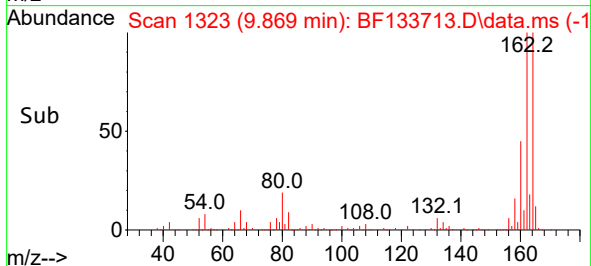
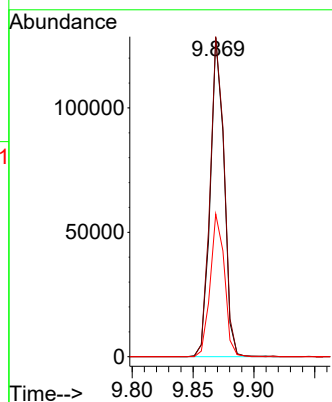
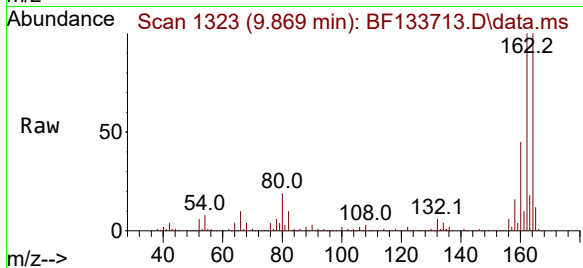
Tgt Ion:164 Resp: 100984

Ion Ratio Lower Upper

164 100

162 100.4 80.8 121.2

160 44.8 36.7 55.1



#42

2,4,6-Tribromophenol

Concen: 72.633 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.012 min

Lab File: BF133713.D

Acq: 12 Jun 2023 20:09

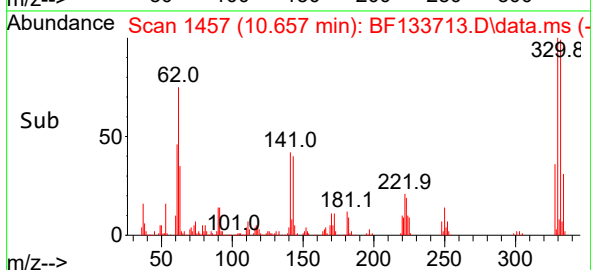
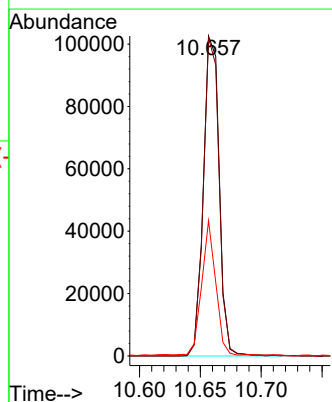
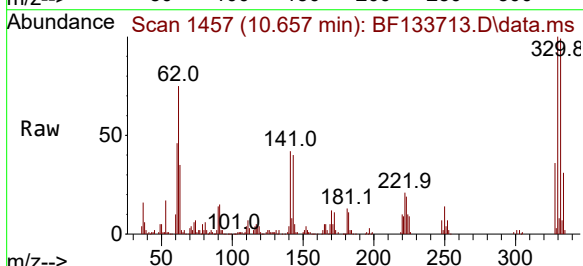
Tgt Ion:330 Resp: 92845

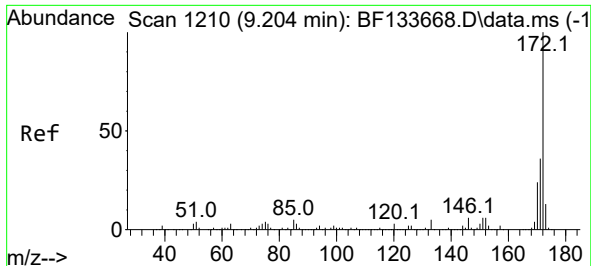
Ion Ratio Lower Upper

330 100

332 98.0 77.2 115.8

141 36.6 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 61.833 ng

RT: 9.192 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133713.D

Acq: 12 Jun 2023 20:09

Instrument :

BNA_F

ClientSampleId :

SB-07-5.0-7.0

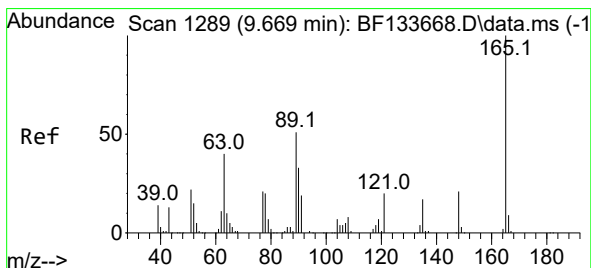
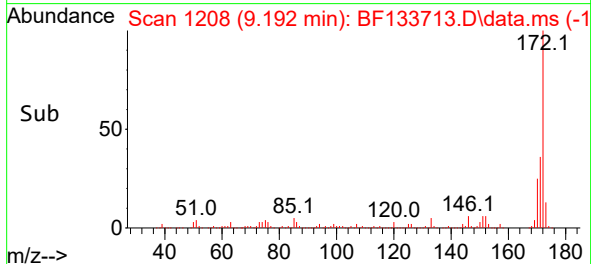
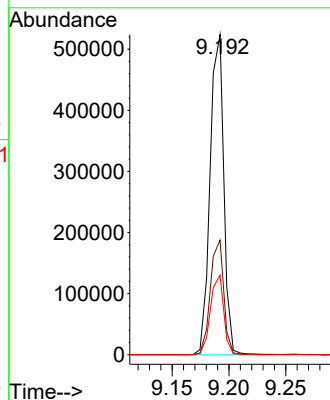
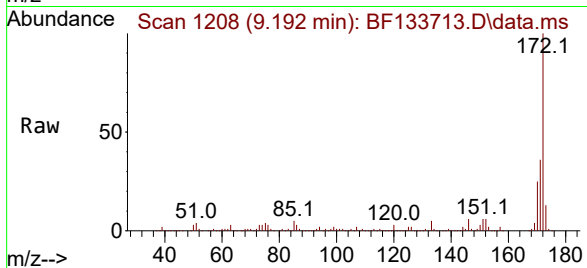
Tgt Ion:172 Resp: 439263

Ion Ratio Lower Upper

172 100

171 35.8 28.6 43.0

170 24.8 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 9.488 ng

RT: 9.869 min Scan# 1323

Delta R.T. 0.206 min

Lab File: BF133713.D

Acq: 12 Jun 2023 20:09

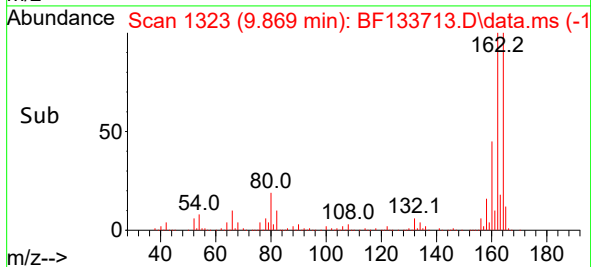
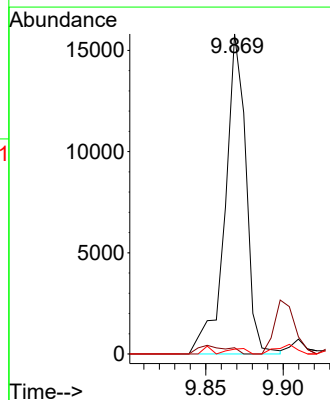
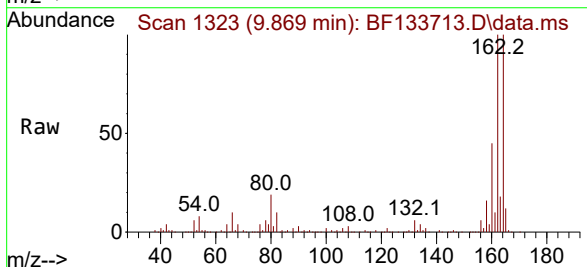
Tgt Ion:165 Resp: 14761

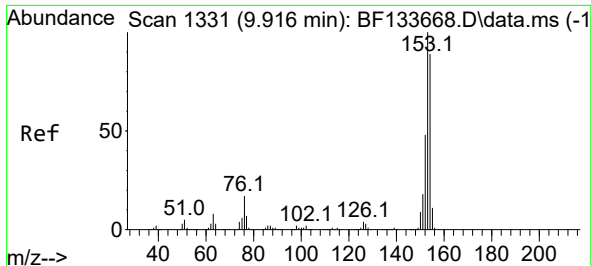
Ion Ratio Lower Upper

165 100

63 1.9 42.1 63.1#

89 1.5 40.9 61.3#

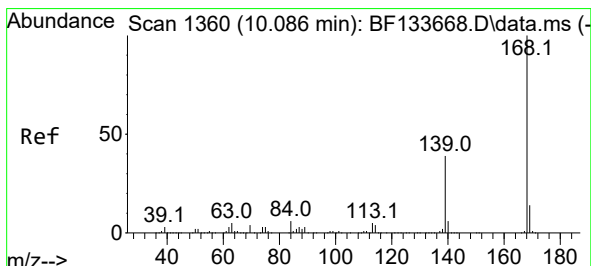
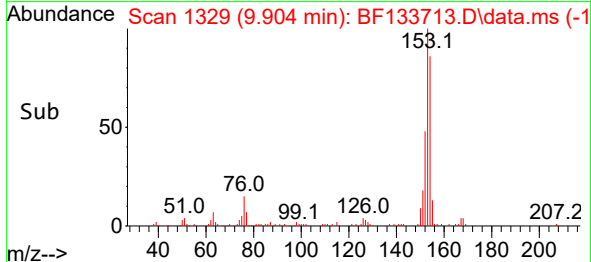
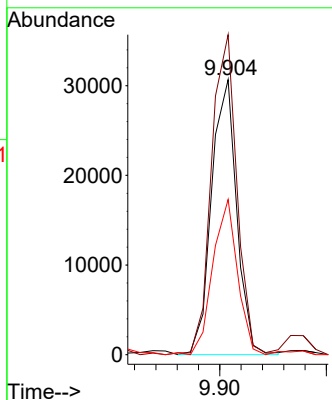
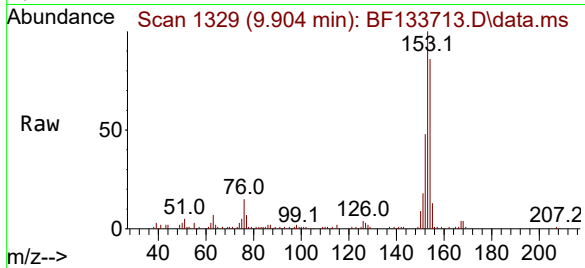




#52
Acenaphthene
Concen: 4.229 ng
RT: 9.904 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

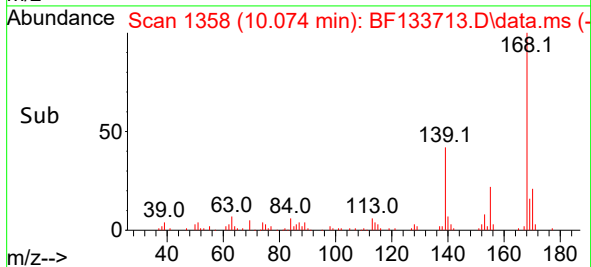
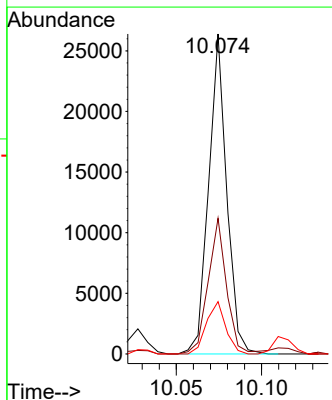
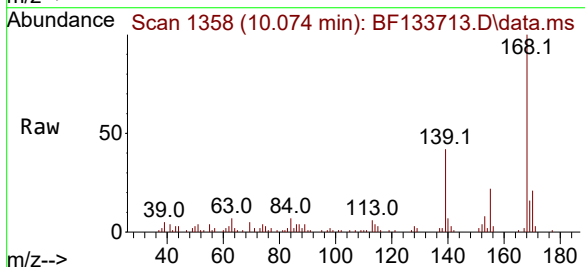
Instrument :
BNA_F
ClientSampleId :
SB-07-5.0-7.0

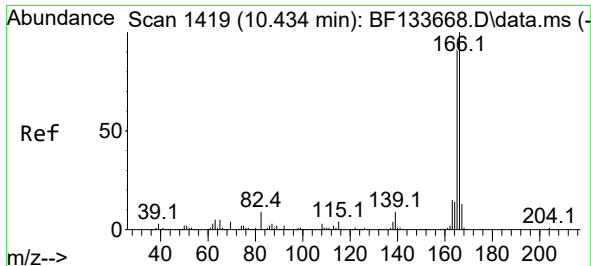
Tgt Ion:154 Resp: 25168
Ion Ratio Lower Upper
154 100
153 116.3 89.8 134.8
152 56.4 43.4 65.2



#55
Dibenzofuran
Concen: 2.151 ng
RT: 10.074 min Scan# 1358
Delta R.T. -0.012 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

Tgt Ion:168 Resp: 19531
Ion Ratio Lower Upper
168 100
139 42.4 30.9 46.3
169 16.3 10.9 16.3#

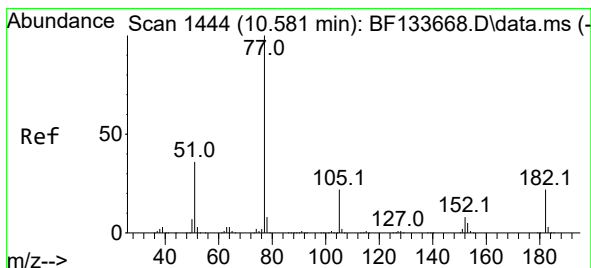
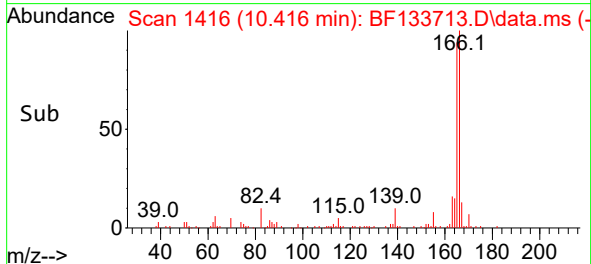
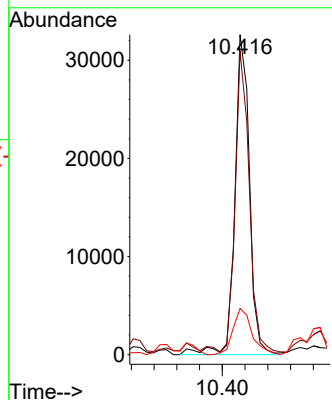
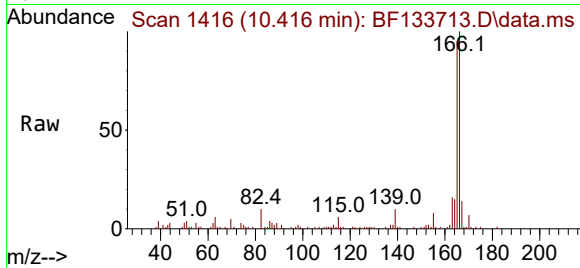




#58
Fluorene
Concen: 4.185 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.012 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

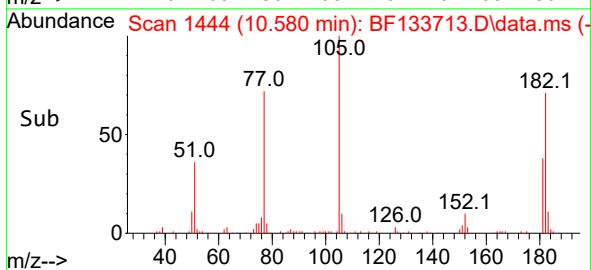
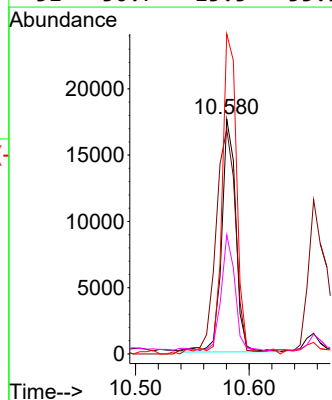
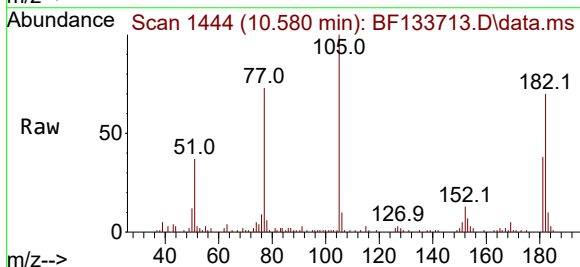
Instrument :
BNA_F
ClientSampleId :
SB-07-5.0-7.0

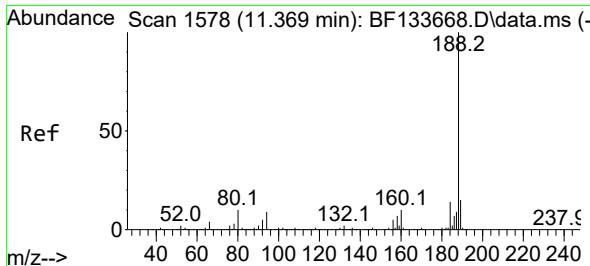
Tgt Ion:166 Resp: 29067
Ion Ratio Lower Upper
166 100
165 94.9 73.1 109.7
167 14.4 10.5 15.7



#63
Azobenzene
Concen: 2.102 ng
RT: 10.580 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

Tgt Ion: 77 Resp: 15264
Ion Ratio Lower Upper
77 100
182 95.7 1.6 41.6#
105 136.3 1.6 41.6#
51 50.7 15.5 55.5

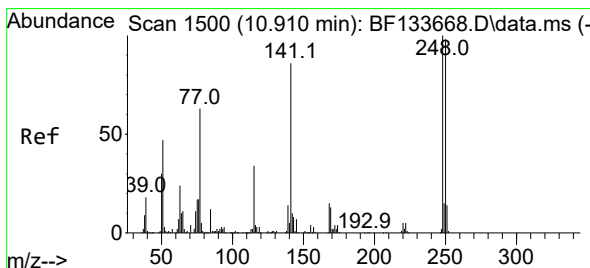
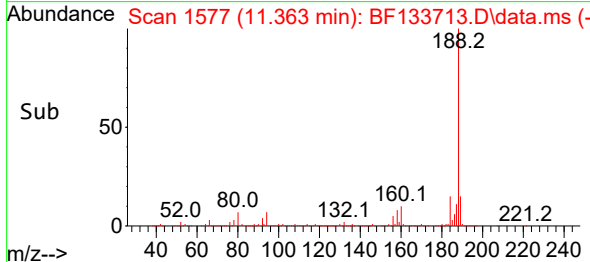
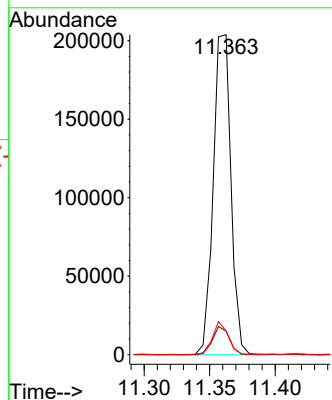
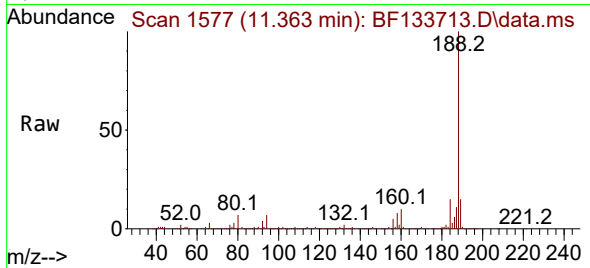




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

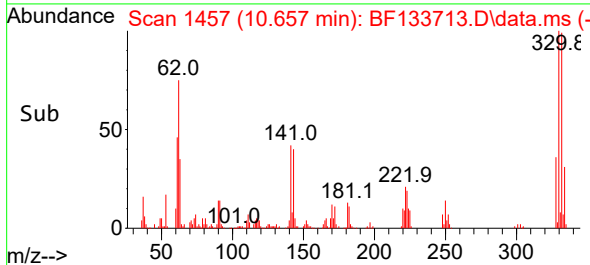
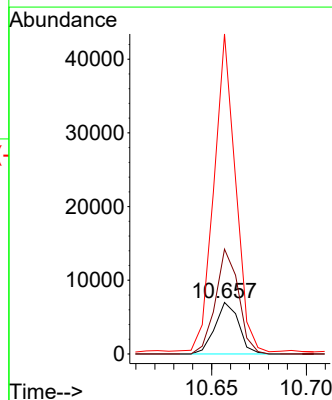
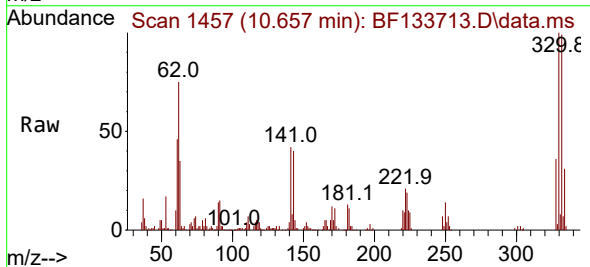
Instrument :
BNA_F
ClientSampleId :
SB-07-5.0-7.0

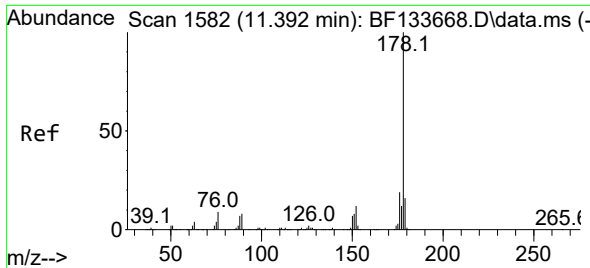
Tgt Ion:188 Resp: 191633
Ion Ratio Lower Upper
188 100
94 7.3 6.8 10.2
80 7.4 7.8 11.6#



#67
4-Bromophenyl-phenylether
Concen: 2.852 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.253 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

Tgt Ion:248 Resp: 6101
Ion Ratio Lower Upper
248 100
250 203.5 78.3 117.5#
141 621.6 69.0 103.6#

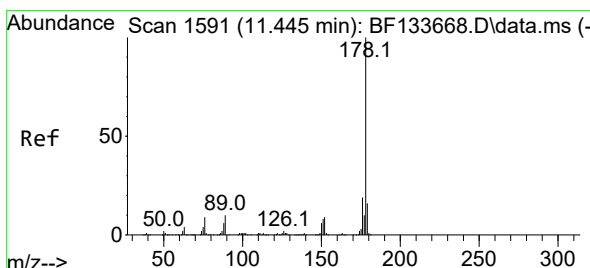
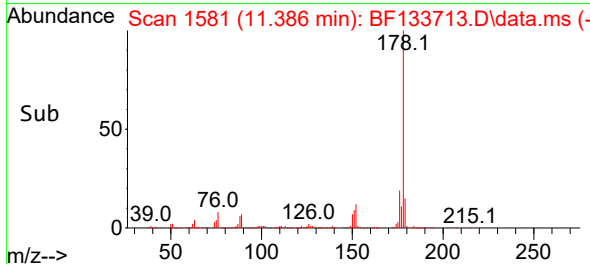
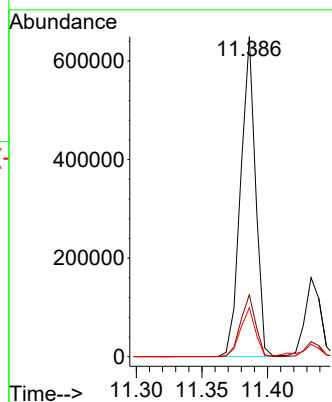
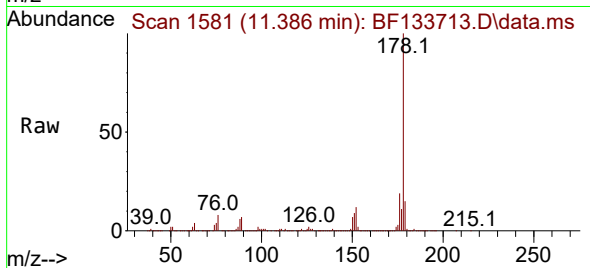




#71
Phenanthrene
Concen: 52.837 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

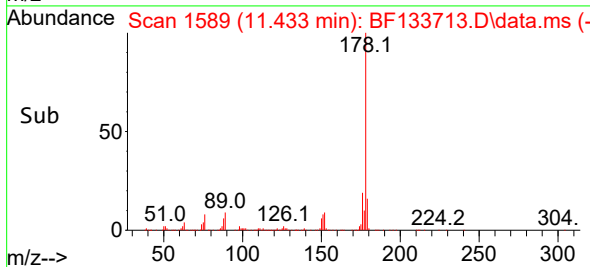
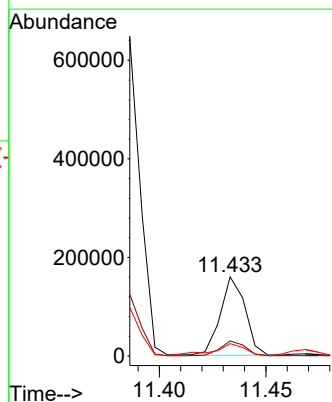
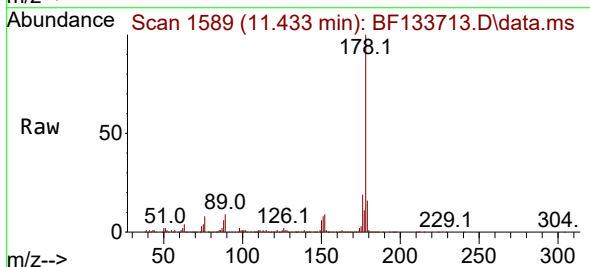
Instrument :
BNA_F
ClientSampleId :
SB-07-5.0-7.0

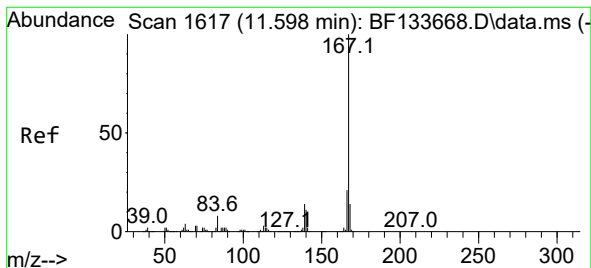
Tgt Ion:178 Resp: 513712
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.3 12.4 18.6



#72
Anthracene
Concen: 12.755 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

Tgt Ion:178 Resp: 129302
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.6 12.6 18.8





#73

Carbazole

Concen: 4.204 ng

RT: 11.586 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133713.D

Acq: 12 Jun 2023 20:09

Instrument :

BNA_F

ClientSampleId :

SB-07-5.0-7.0

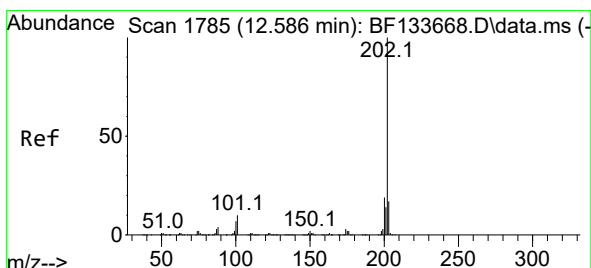
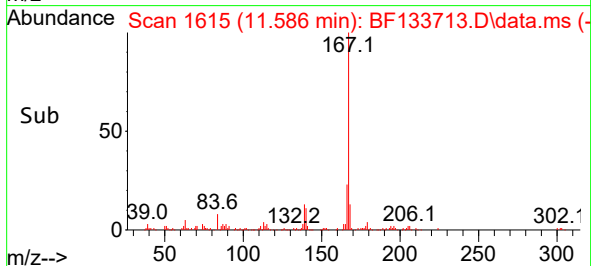
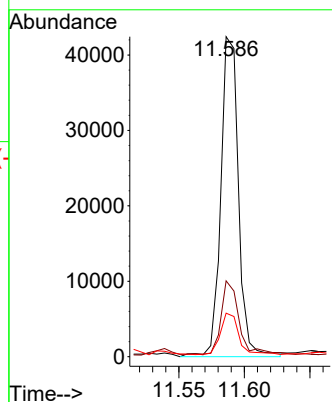
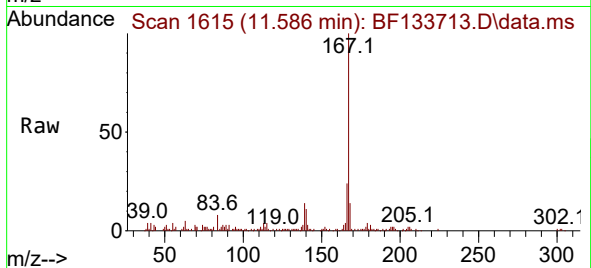
Tgt Ion:167 Resp: 39696

Ion Ratio Lower Upper

167 100

166 23.7 17.0 25.6

139 13.6 11.2 16.8



#75

Fluoranthene

Concen: 79.554 ng

RT: 12.580 min Scan# 1784

Delta R.T. -0.000 min

Lab File: BF133713.D

Acq: 12 Jun 2023 20:09

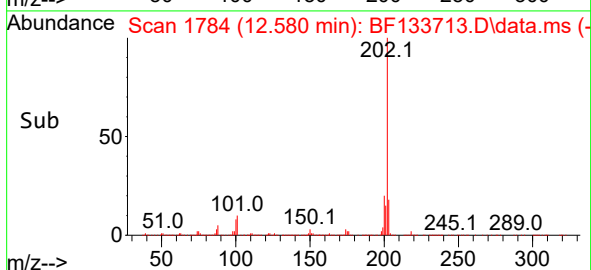
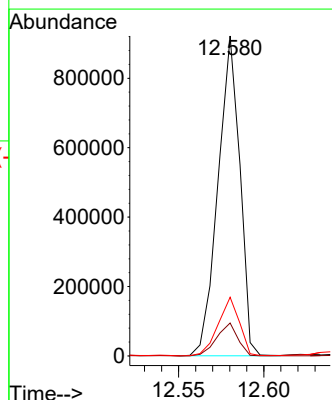
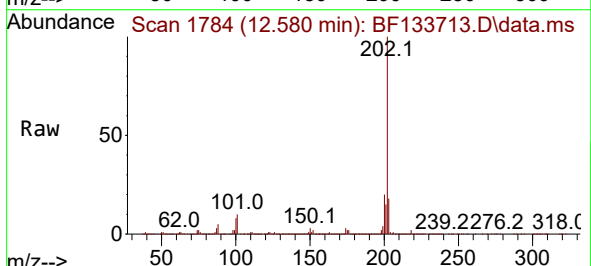
Tgt Ion:202 Resp: 821362

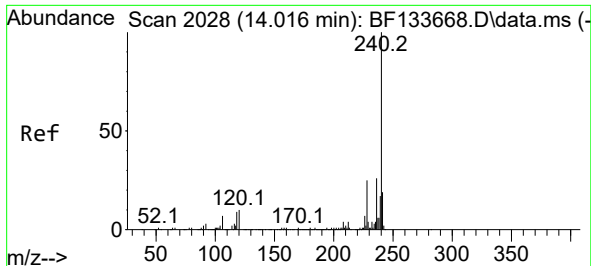
Ion Ratio Lower Upper

202 100

101 10.3 0.0 29.6

203 18.4 0.0 37.4

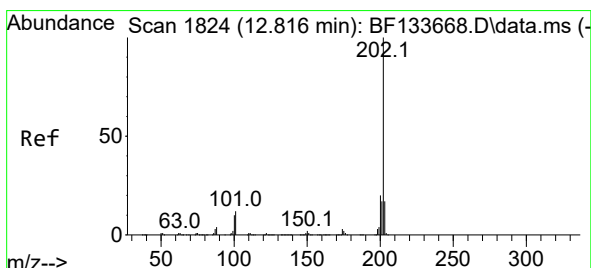
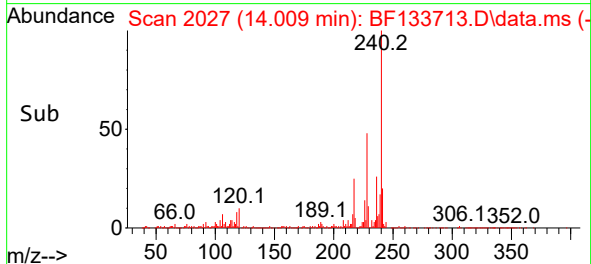
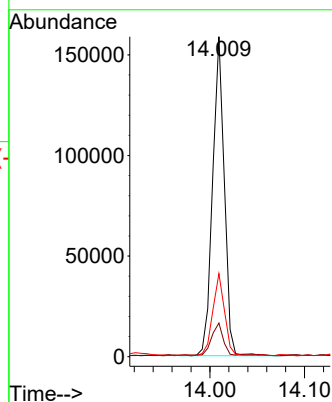
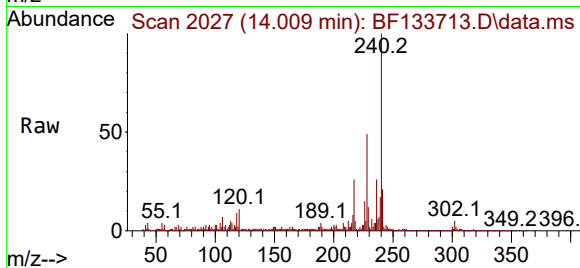




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.009 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

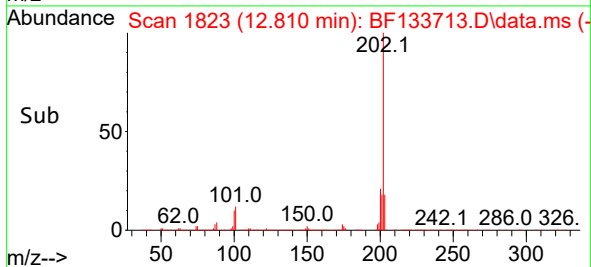
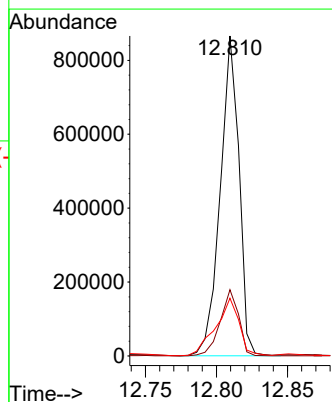
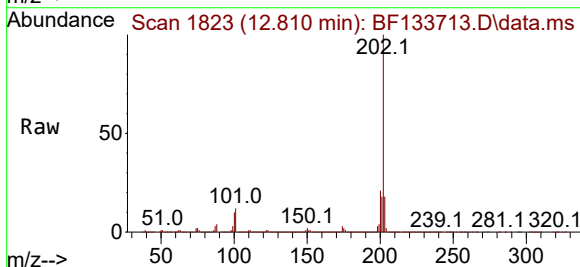
Instrument :
BNA_F
ClientSampleId :
SB-07-5.0-7.0

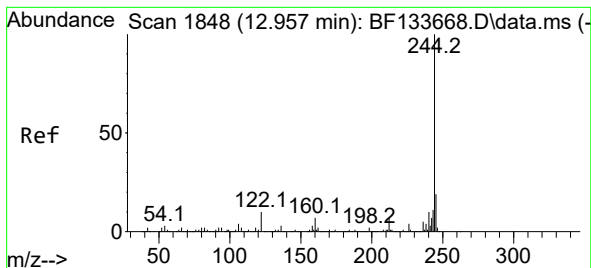
Tgt Ion:240 Resp: 135237
Ion Ratio Lower Upper
240 100
120 10.5 8.1 12.1
236 25.9 20.5 30.7



#78
Pyrene
Concen: 63.019 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.000 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

Tgt Ion:202 Resp: 793898
Ion Ratio Lower Upper
202 100
200 20.7 16.2 24.2
203 18.1 13.9 20.9





#79

Terphenyl-d14

Concen: 53.044 ng

RT: 12.951 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133713.D

Acq: 12 Jun 2023 20:09

Instrument :

BNA_F

ClientSampleId :

SB-07-5.0-7.0

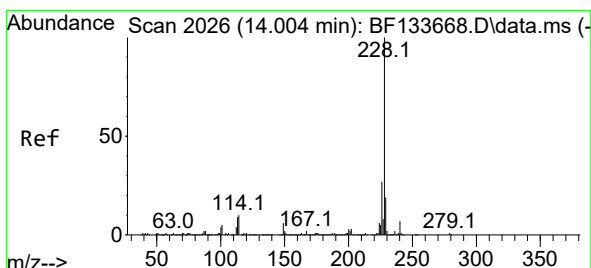
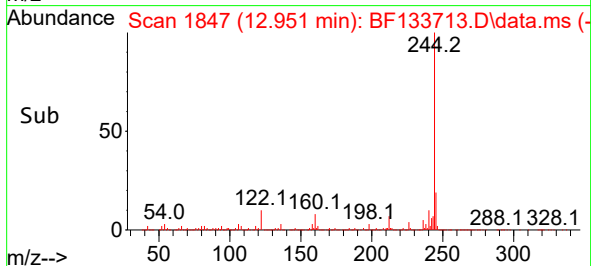
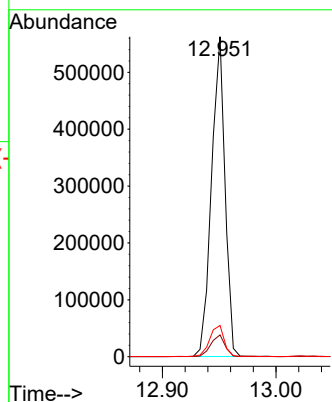
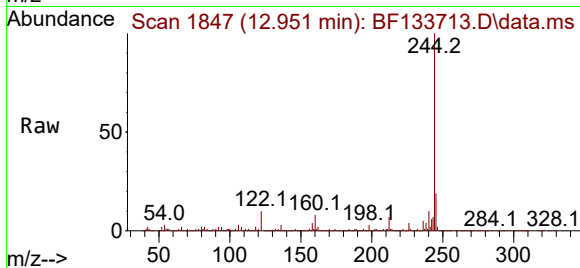
Tgt Ion:244 Resp: 463604

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 9.7 8.1 12.1



#81

Benzo(a)anthracene

Concen: 41.111 ng

RT: 13.998 min Scan# 2025

Delta R.T. -0.006 min

Lab File: BF133713.D

Acq: 12 Jun 2023 20:09

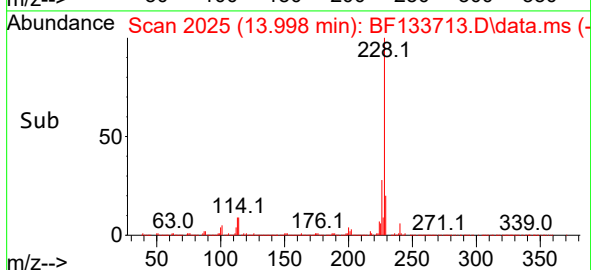
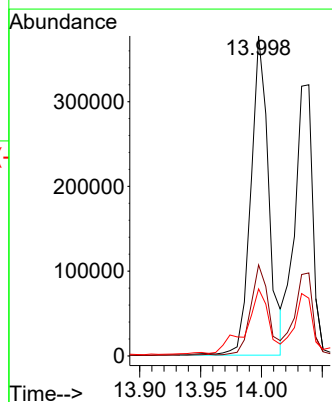
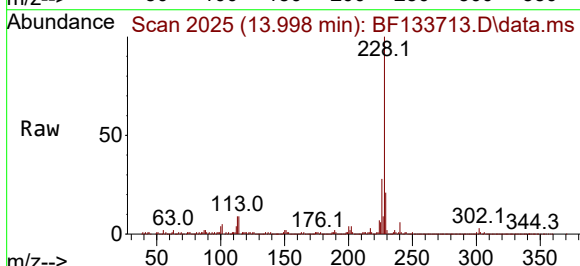
Tgt Ion:228 Resp: 384571

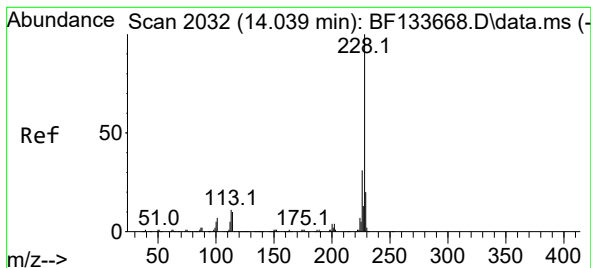
Ion Ratio Lower Upper

228 100

226 28.4 21.7 32.5

229 20.9 15.4 23.2





#83

Chrysene

Concen: 37.440 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF133713.D

Acq: 12 Jun 2023 20:09

Instrument :

BNA_F

ClientSampleId :

SB-07-5.0-7.0

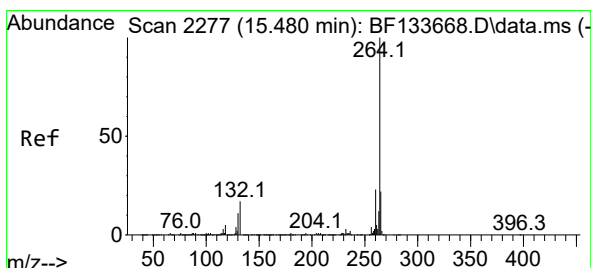
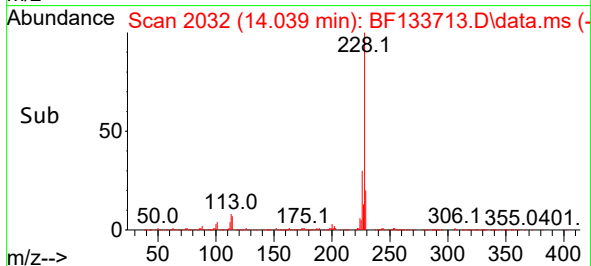
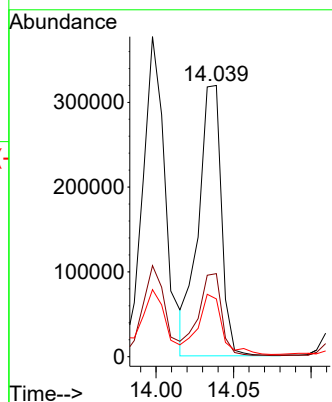
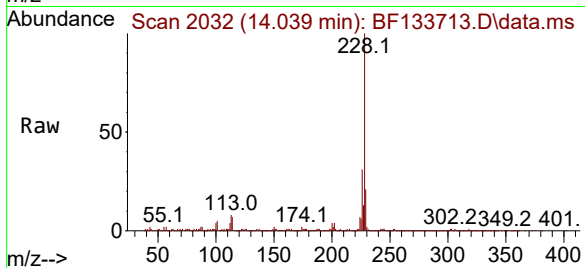
Tgt Ion:228 Resp: 331250

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.6

229 21.3 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 2276

Delta R.T. -0.000 min

Lab File: BF133713.D

Acq: 12 Jun 2023 20:09

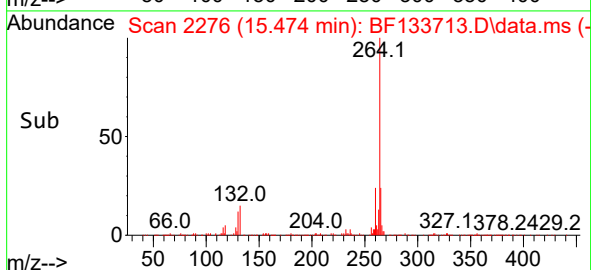
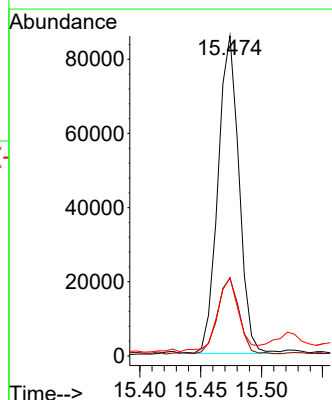
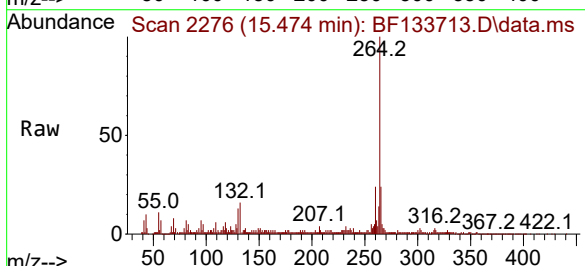
Tgt Ion:264 Resp: 103117

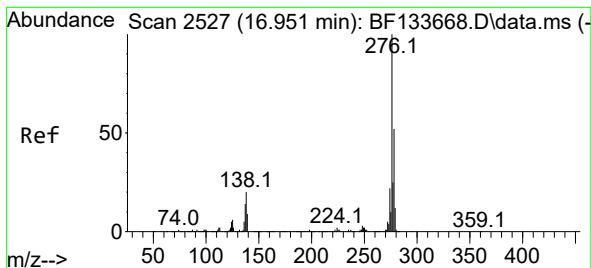
Ion Ratio Lower Upper

264 100

260 24.3 18.2 27.2

265 24.5 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 17.894 ng

RT: 16.939 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133713.D

Acq: 12 Jun 2023 20:09

Instrument :

BNA_F

ClientSampleId :

SB-07-5.0-7.0

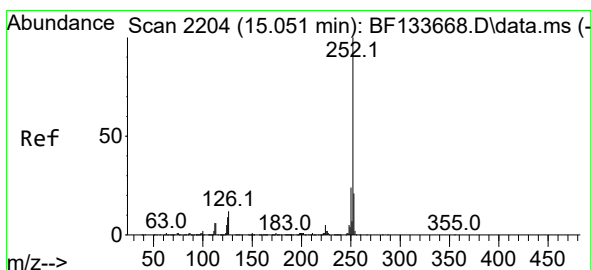
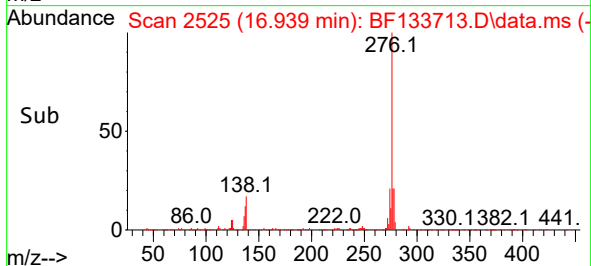
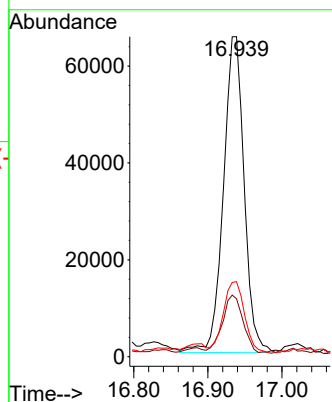
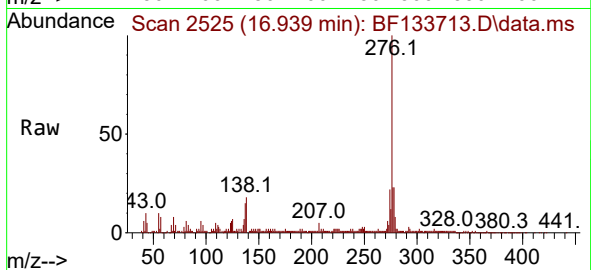
Tgt Ion:276 Resp: 126946

Ion Ratio Lower Upper

276 100

138 18.0 17.9 26.9

277 23.6 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 63.836 ng

RT: 15.051 min Scan# 2204

Delta R.T. -0.000 min

Lab File: BF133713.D

Acq: 12 Jun 2023 20:09

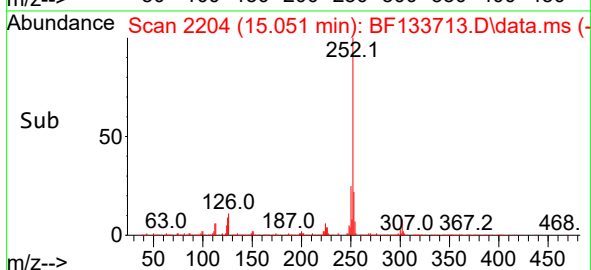
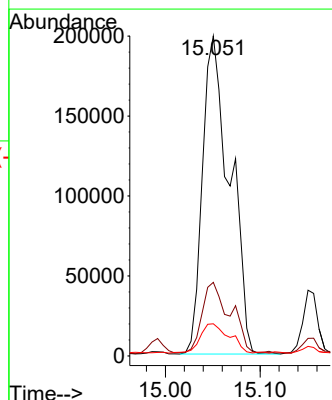
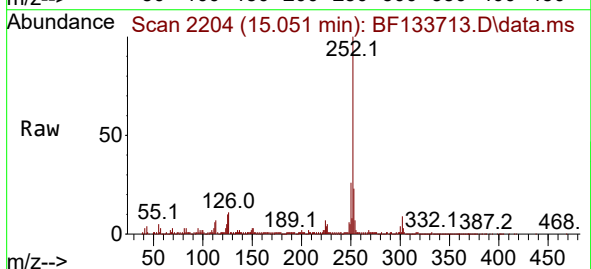
Tgt Ion:252 Resp: 399866

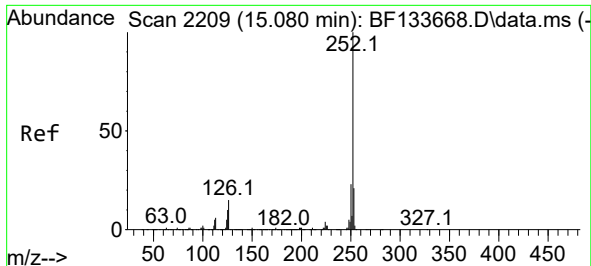
Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.6

125 10.0 7.3 10.9

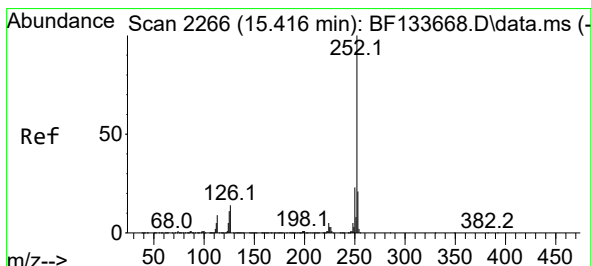
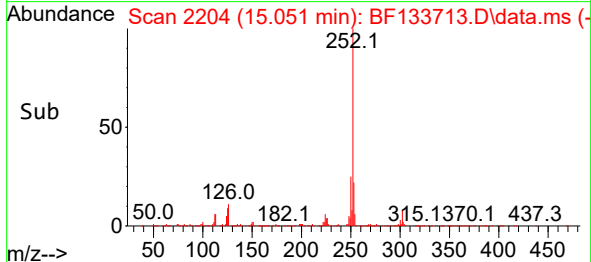
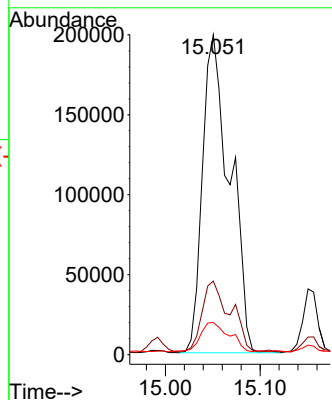
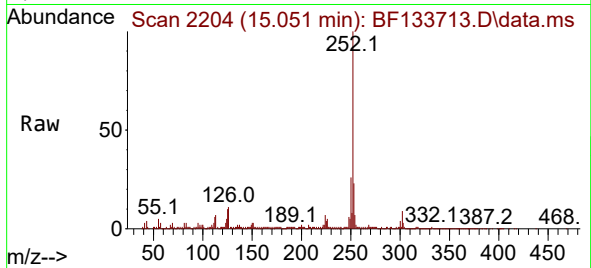




#89
Benzo(k)fluoranthene
Concen: 65.533 ng
RT: 15.051 min Scan# 21
Delta R.T. -0.030 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

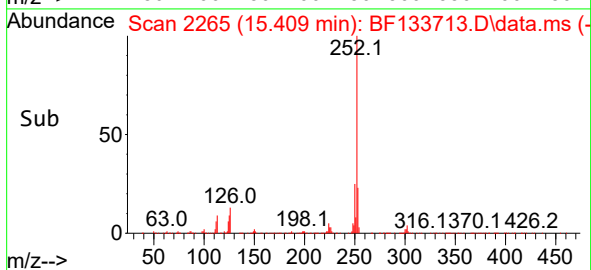
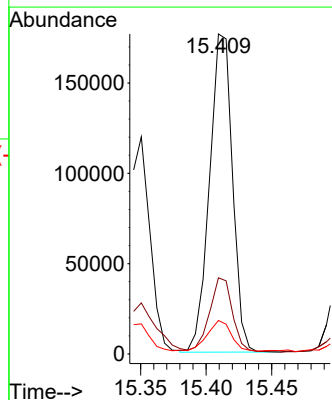
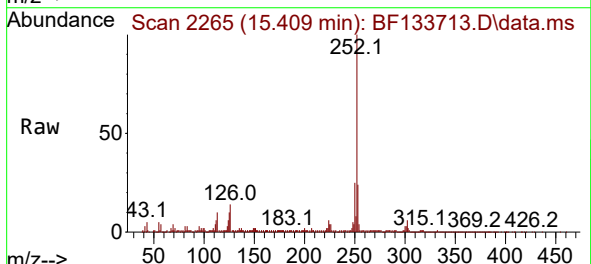
Instrument :
BNA_F
ClientSampleId :
SB-07-5.0-7.0

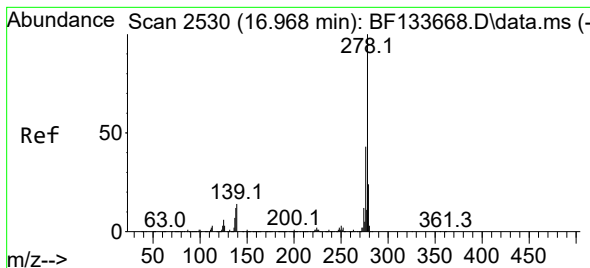
Tgt Ion:252 Resp: 399866
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.4
125 10.0 7.8 11.6



#90
Benzo(a)pyrene
Concen: 36.986 ng
RT: 15.409 min Scan# 2265
Delta R.T. -0.006 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

Tgt Ion:252 Resp: 215017
Ion Ratio Lower Upper
252 100
253 23.8 17.1 25.7
125 10.5 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 5.430 ng

RT: 16.945 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF133713.D

Acq: 12 Jun 2023 20:09

Instrument :

BNA_F

ClientSampleId :

SB-07-5.0-7.0

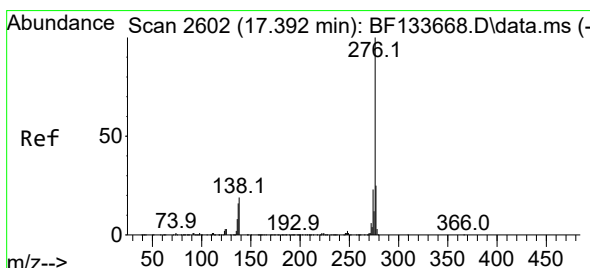
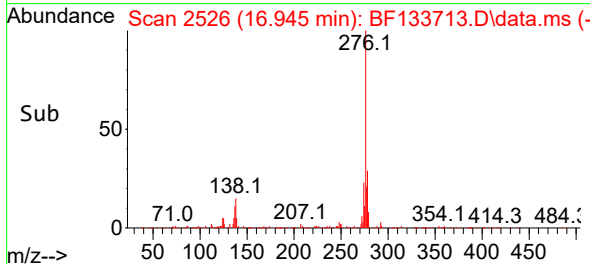
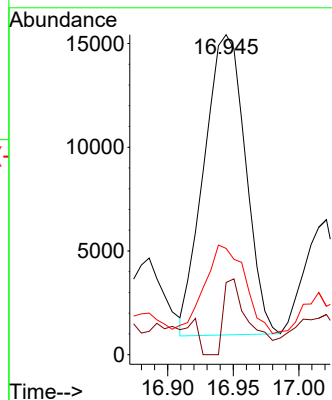
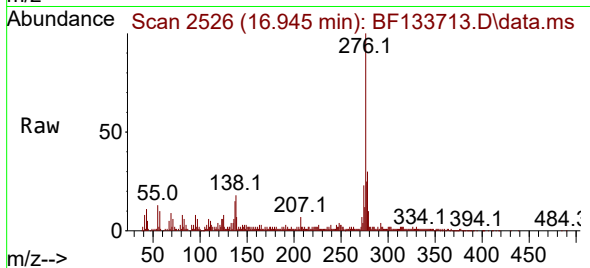
Tgt Ion:278 Resp: 31889

Ion Ratio Lower Upper

278 100

139 22.6 11.4 17.2#

279 33.2 19.0 28.4#



#92

Benzo(g,h,i)perylene

Concen: 19.919 ng

RT: 17.380 min Scan# 2600

Delta R.T. -0.012 min

Lab File: BF133713.D

Acq: 12 Jun 2023 20:09

Tgt Ion:276 Resp: 115993

Ion Ratio Lower Upper

276 100

277 23.9 19.8 29.8

138 19.6 15.0 22.4

