

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031424\
 Data File : BF137603.D
 Acq On : 14 Mar 2024 21:24
 Operator : CG\JU
 Sample : P1746-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-0-2.0

Quant Time: Mar 15 02:03:58 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 14:45:20 2024
 Response via : Initial Calibration

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

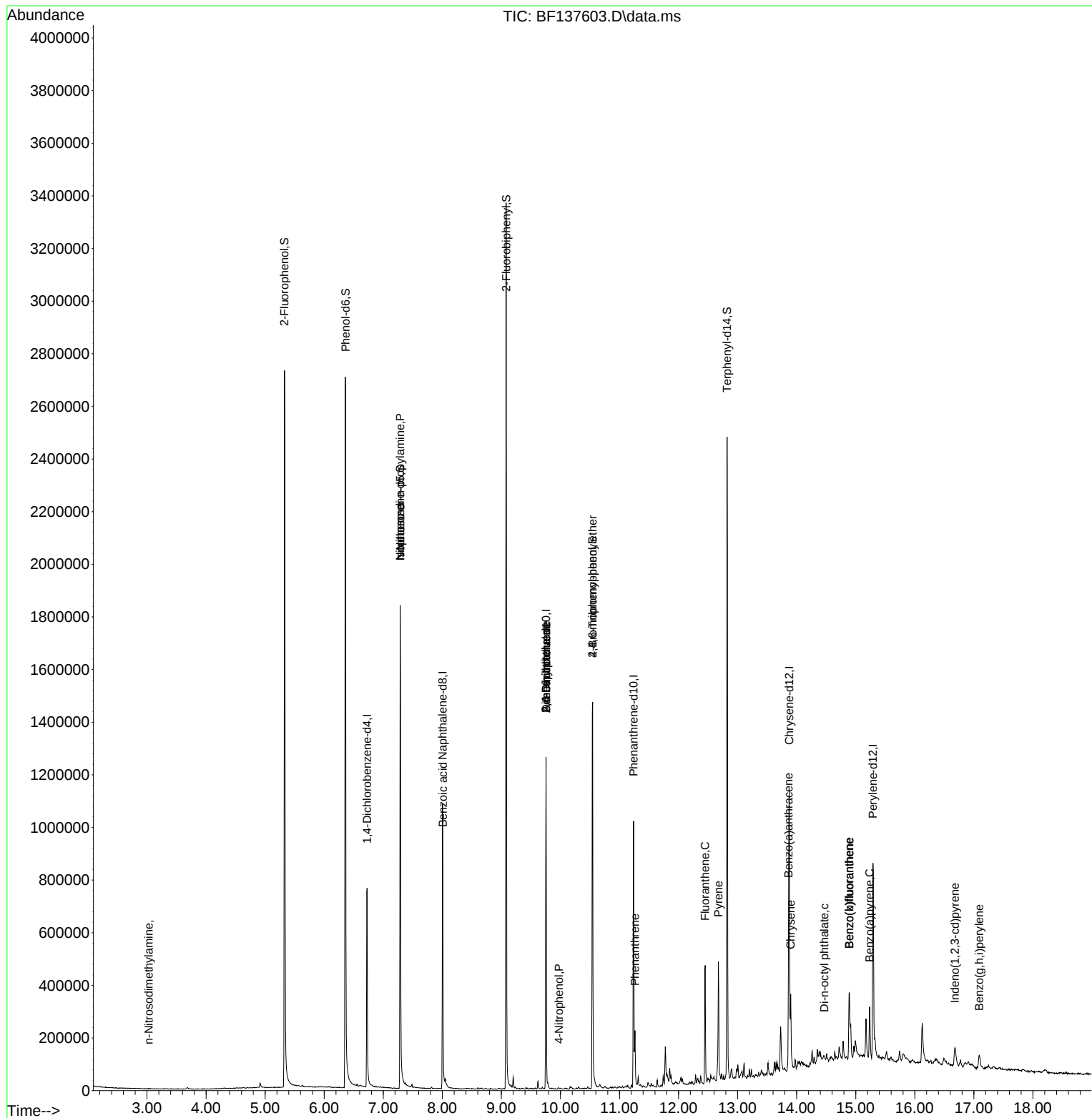
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	126793	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	469527	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	240717	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	370233	20.000	ng	0.00
76) Chrysene-d12	13.874	240	323246	20.000	ng	0.00
86) Perylene-d12	15.292	264	341209	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	815221	97.378	ng	0.00
7) Phenol-d6	6.363	99	1087629	90.003	ng	0.00
23) Nitrobenzene-d5	7.287	82	640260	63.360	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	181879	86.039	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	965392	62.779	ng	0.00
79) Terphenyl-d14	12.821	244	827806	35.215	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.028	42	284	3.867	ng	# 1
19) n-Nitroso-di-n-propyla...	7.287	70	80387	10.773	ng	# 80
25) Isophorone	7.287	82	640260	33.350	ng	# 69
32) Benzoic acid	8.010	122	205	6.340	ng	# 1
50) Dimethylphthalate	9.757	163	37938	2.264	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	31552	9.002	ng	# 20
56) 4-Nitrophenol	9.975	139	608	4.744	ng	# 5
57) 2,4-Dinitrotoluene	9.757	165	31552	7.328	ng	# 21
67) 4-Bromophenyl-phenylether	10.545	248	12133	3.009	ng	# 1
71) Phenanthrene	11.263	178	71117	3.530	ng	97
75) Fluoranthene	12.451	202	189249	9.609	ng	96
78) Pyrene	12.674	202	177110	5.584	ng	98
81) Benzo(a)anthracene	13.863	228	111971	4.942	ng	95
83) Chrysene	13.898	228	106306	4.643	ng	98
85) Di-n-octyl phthalate	14.468	149	3766	5.774	ng	# 69
87) Indeno(1,2,3-cd)pyrene	16.680	276	45216	2.014	ng	93
88) Benzo(b)fluoranthene	14.892	252	188650	9.347	ng	99
89) Benzo(k)fluoranthene	14.892	252	188650	8.702	ng	99
90) Benzo(a)pyrene	15.233	252	98025	4.928	ng	99
92) Benzo(g,h,i)perylene	17.092	276	41417	2.214	ng	99

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

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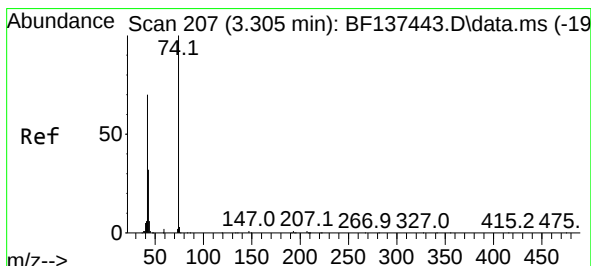
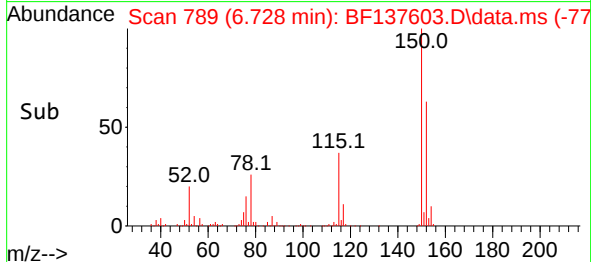
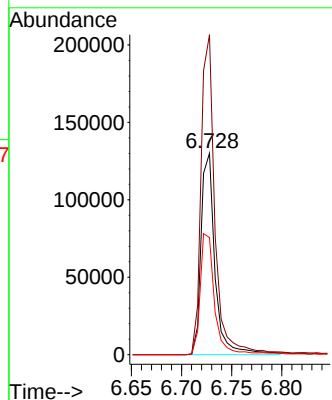
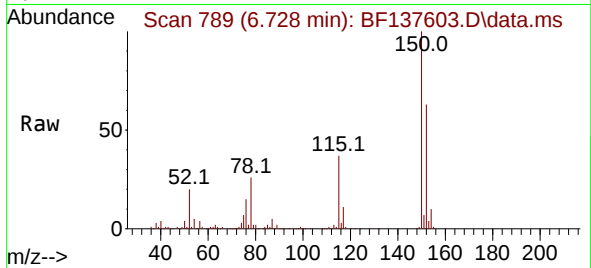




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137603.D
Acq: 14 Mar 2024 21:24

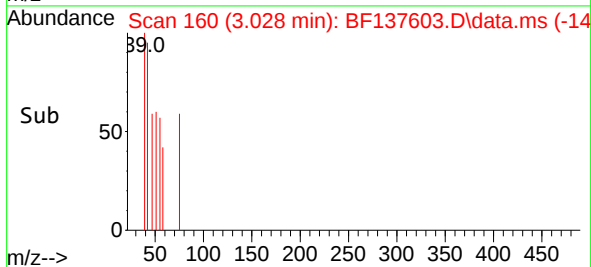
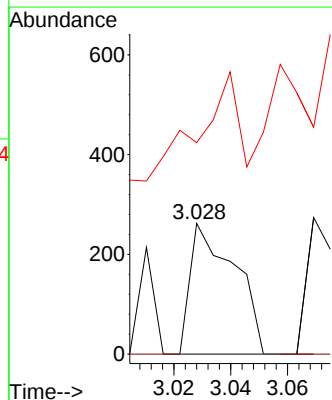
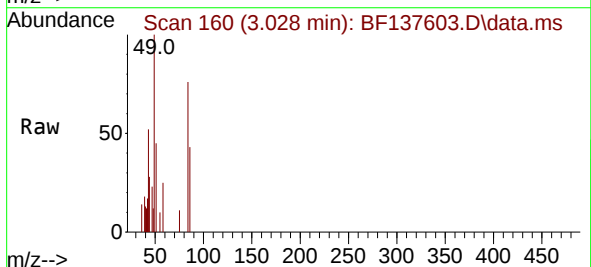
Instrument :
BNA_F
ClientSampleId :
SB-04-0-2.0

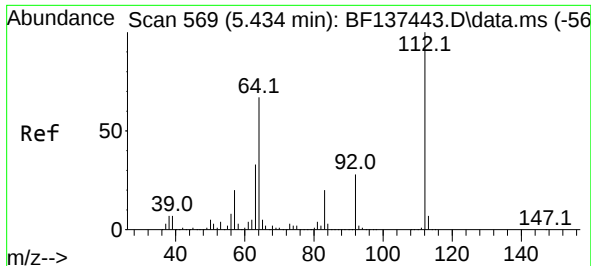
Tgt Ion:152 Resp: 126793
Ion Ratio Lower Upper
152 100
150 158.9 125.8 188.6
115 58.2 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.867 ng
RT: 3.028 min Scan# 160
Delta R.T. -0.012 min
Lab File: BF137603.D
Acq: 14 Mar 2024 21:24

Tgt Ion: 42 Resp: 284
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 161.8 7.0 10.4#

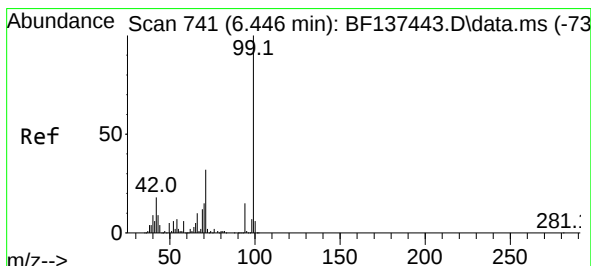
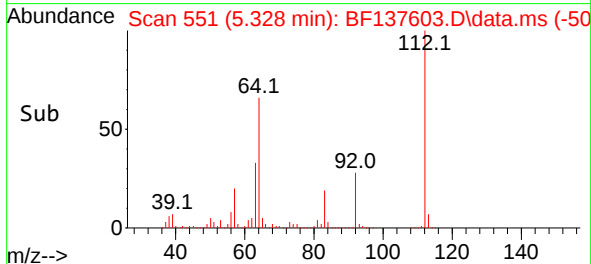
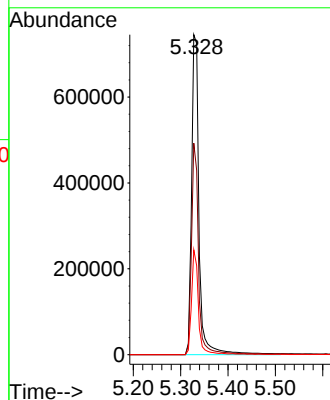
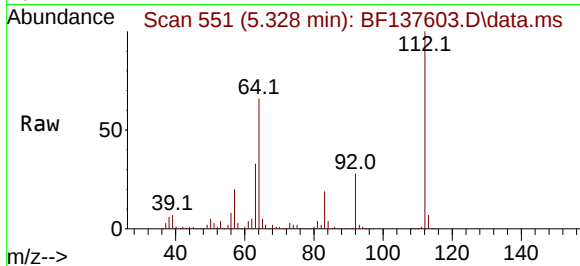




#5
2-Fluorophenol
Concen: 97.378 ng
RT: 5.328 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF137603.D
Acq: 14 Mar 2024 21:24

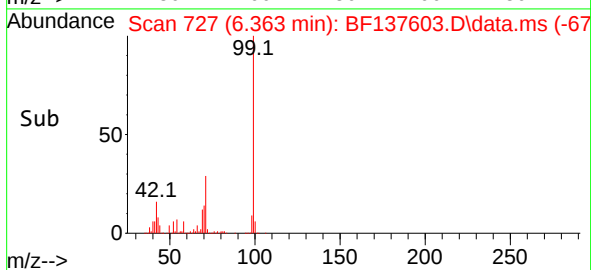
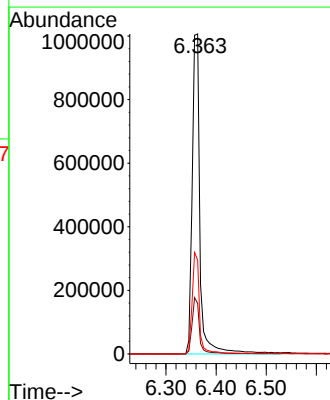
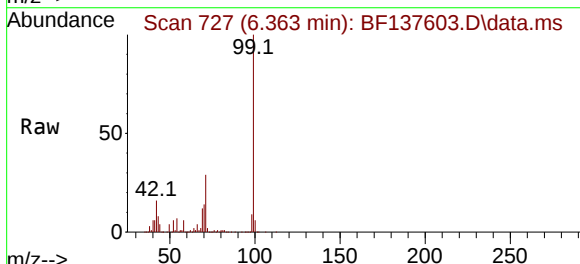
Instrument :
BNA_F
ClientSampleId :
SB-04-0-2.0

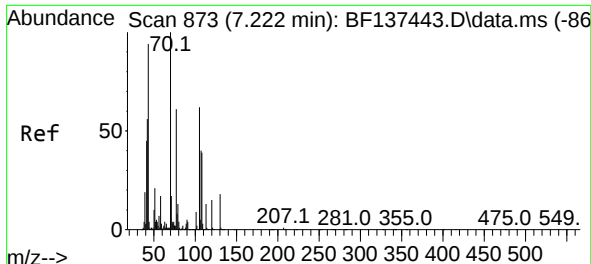
Tgt Ion:112 Resp: 815221
Ion Ratio Lower Upper
112 100
64 66.1 53.4 80.2
63 32.7 26.2 39.2



#7
Phenol-d6
Concen: 90.003 ng
RT: 6.363 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF137603.D
Acq: 14 Mar 2024 21:24

Tgt Ion: 99 Resp: 1087629
Ion Ratio Lower Upper
99 100
42 15.8 14.6 21.8
71 29.3 25.3 37.9





#19

n-Nitroso-di-n-propylamine

Concen: 10.773 ng

RT: 7.287 min Scan# 80

Delta R.T. 0.141 min

Lab File: BF137603.D

Acq: 14 Mar 2024 21:24

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0

Tgt Ion: 70 Resp: 80387

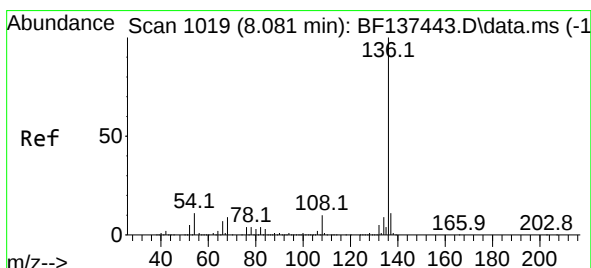
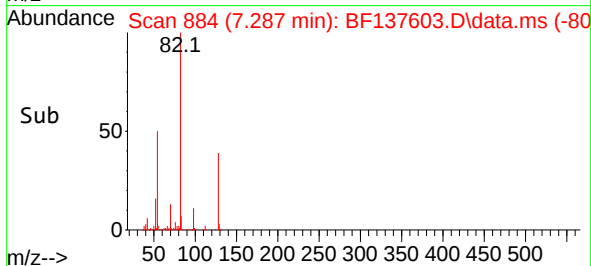
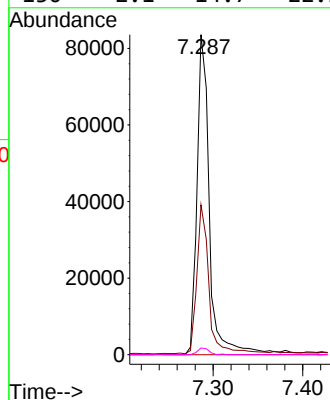
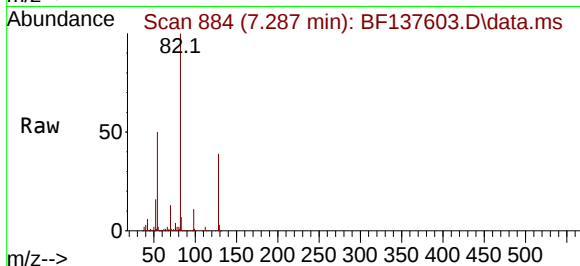
Ion Ratio Lower Upper

70 100

42 46.8 45.2 67.8

101 0.0 7.3 10.9#

130 2.1 14.7 22.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.004 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF137603.D

Acq: 14 Mar 2024 21:24

Tgt Ion: 136 Resp: 469527

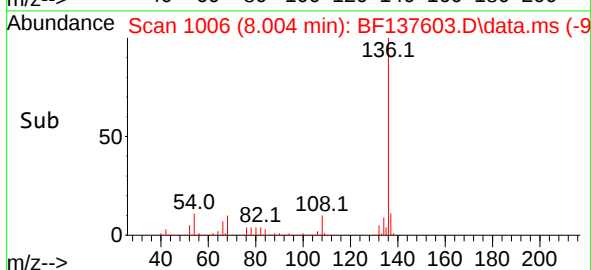
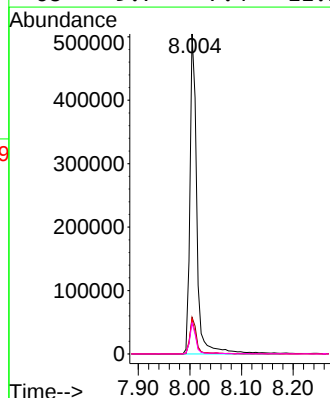
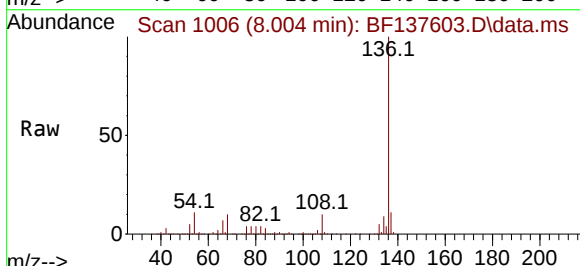
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 10.9 8.5 12.7

68 9.7 7.4 11.2





#23

Nitrobenzene-d5

Concen: 63.360 ng

RT: 7.287 min Scan# 884

Delta R.T. -0.012 min

Lab File: BF137603.D

Acq: 14 Mar 2024 21:24

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0

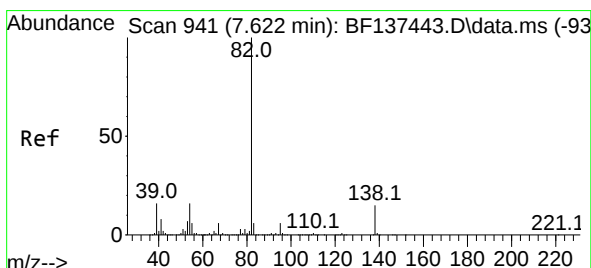
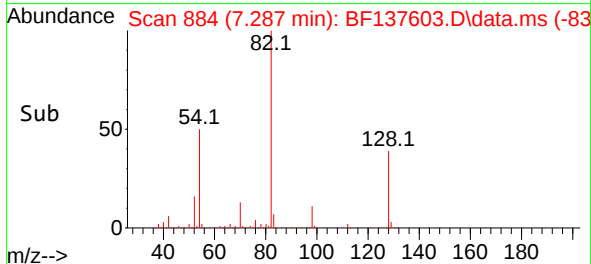
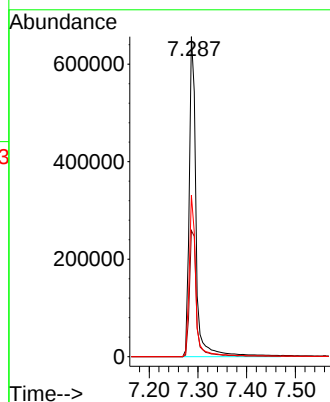
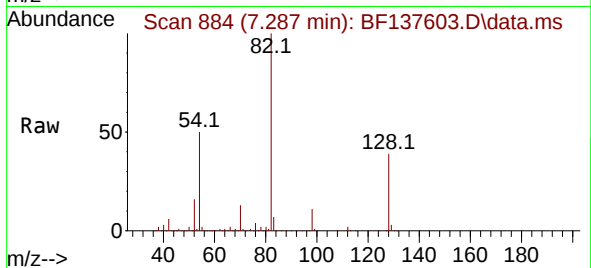
Tgt Ion: 82 Resp: 640260

Ion Ratio Lower Upper

82 100

128 39.4 32.5 48.7

54 50.4 41.5 62.3



#25

Isophorone

Concen: 33.350 ng

RT: 7.287 min Scan# 884

Delta R.T. -0.265 min

Lab File: BF137603.D

Acq: 14 Mar 2024 21:24

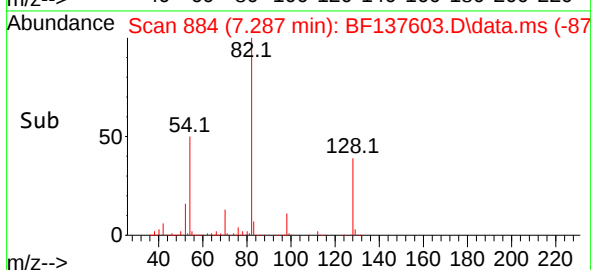
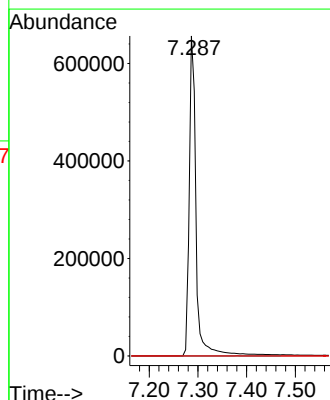
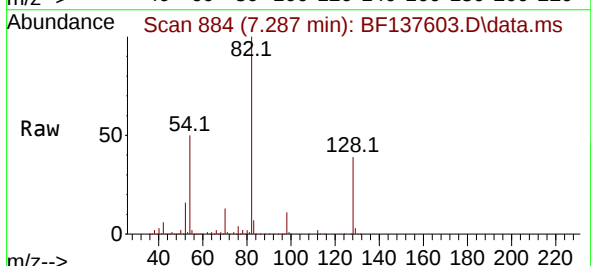
Tgt Ion: 82 Resp: 640260

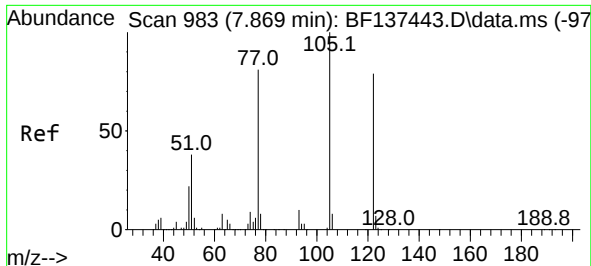
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 11.8 17.8#

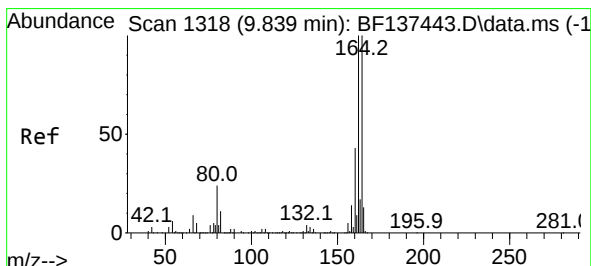
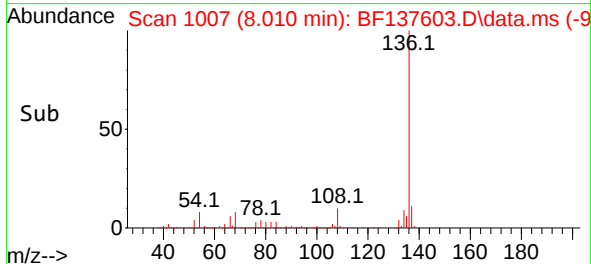
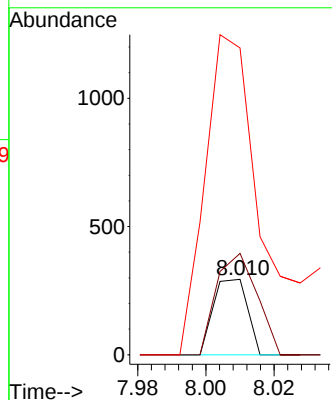
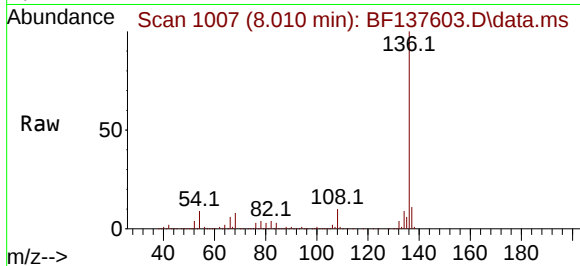




#32
Benzoic acid
Concen: 6.340 ng
RT: 8.010 min Scan# 10
Delta R.T. 0.212 min
Lab File: BF137603.D
Acq: 14 Mar 2024 21:24

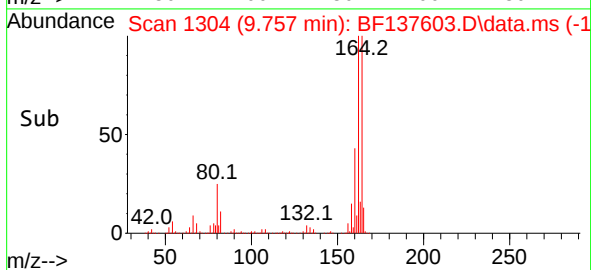
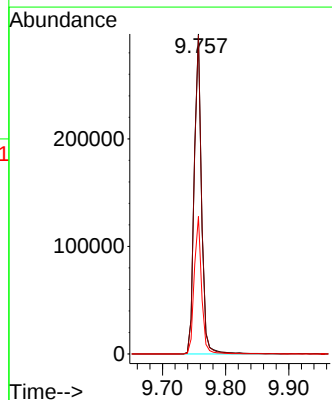
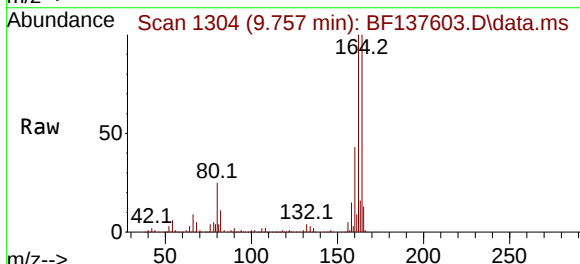
Instrument :
BNA_F
ClientSampleId :
SB-04-0-2.0

Tgt Ion:122 Resp: 205
Ion Ratio Lower Upper
122 100
105 134.4 102.4 142.4
77 406.8 81.1 121.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF137603.D
Acq: 14 Mar 2024 21:24

Tgt Ion:164 Resp: 240717
Ion Ratio Lower Upper
164 100
162 99.5 79.8 119.8
160 43.0 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 86.039 ng

RT: 10.545 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF137603.D

Acq: 14 Mar 2024 21:24

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0

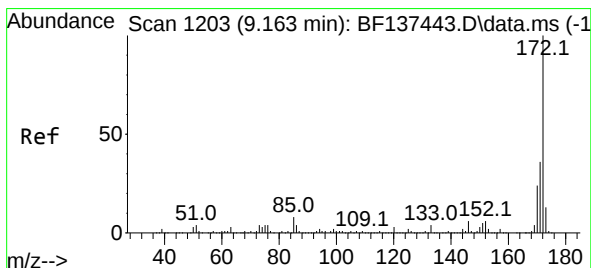
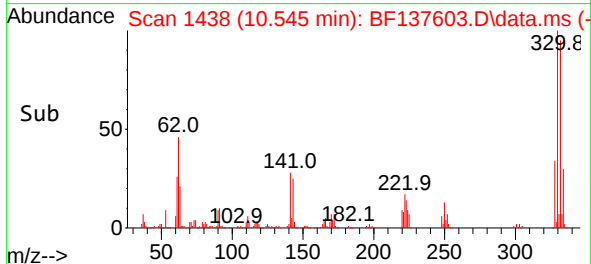
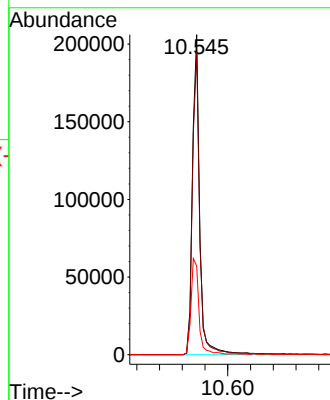
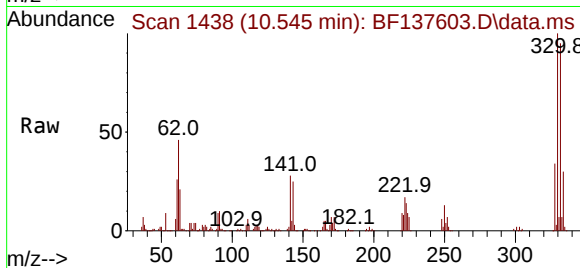
Tgt Ion:330 Resp: 181879

Ion Ratio Lower Upper

330 100

332 95.0 78.0 117.0

141 32.9 27.3 40.9



#45

2-Fluorobiphenyl

Concen: 62.779 ng

RT: 9.081 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF137603.D

Acq: 14 Mar 2024 21:24

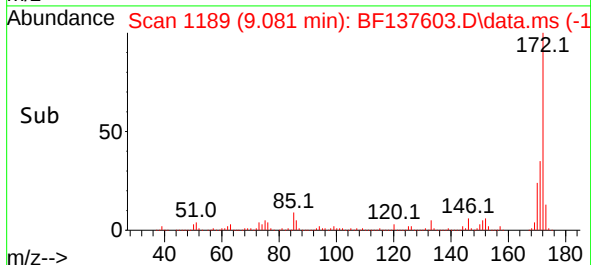
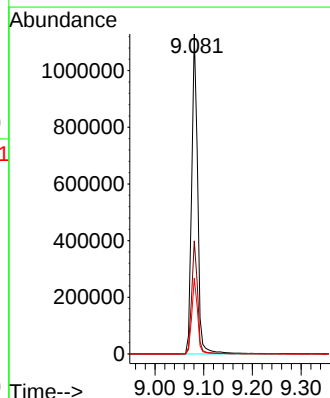
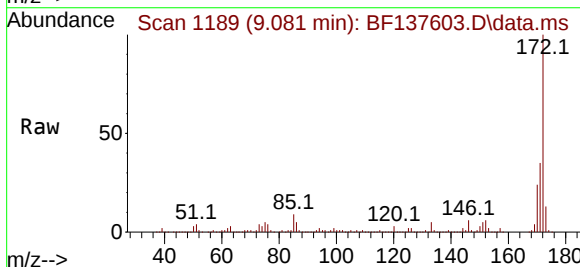
Tgt Ion:172 Resp: 965392

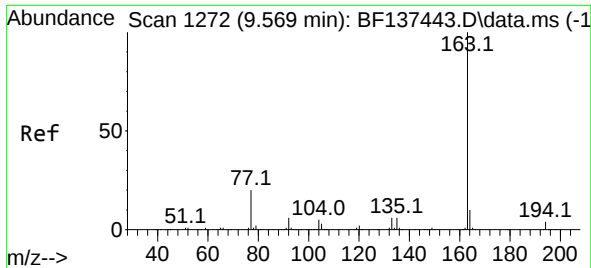
Ion Ratio Lower Upper

172 100

171 35.4 28.5 42.7

170 23.7 19.0 28.6

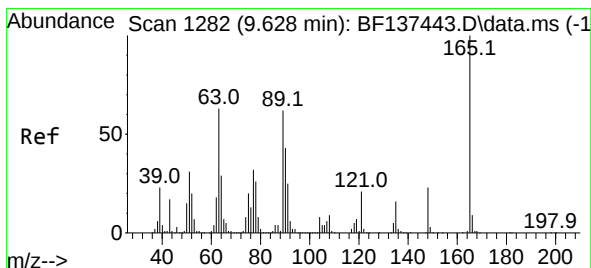
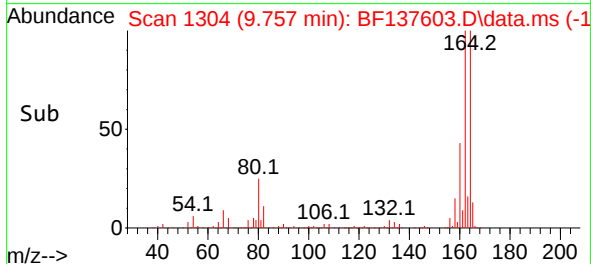
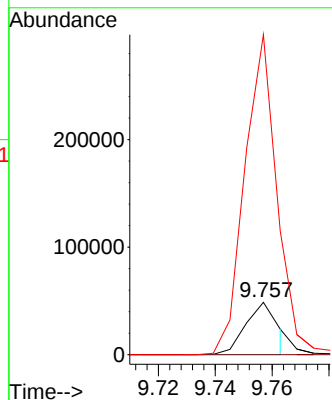
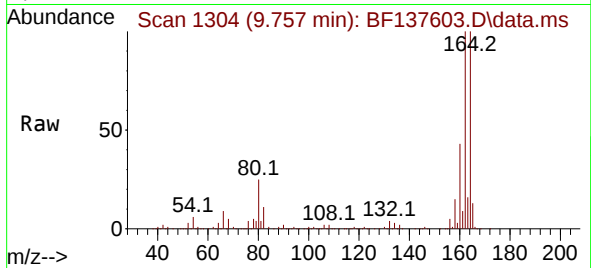




#50
Dimethylphthalate
Concen: 2.264 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF137603.D
Acq: 14 Mar 2024 21:24

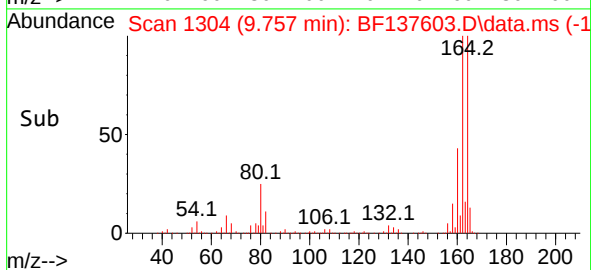
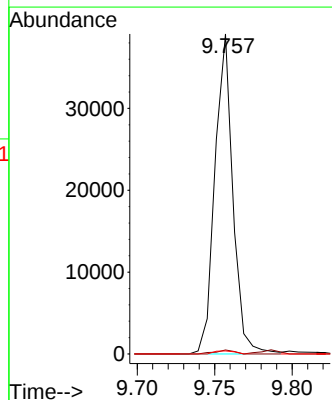
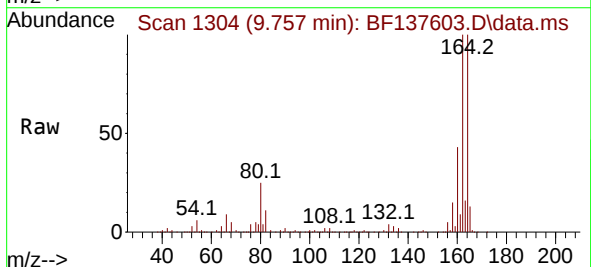
Instrument :
BNA_F
ClientSampleId :
SB-04-0-2.0

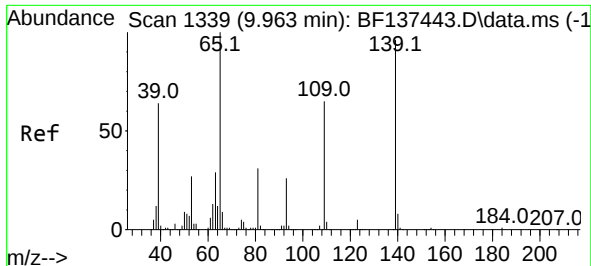
Tgt Ion:163 Resp: 37938
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 611.1 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 9.002 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.206 min
Lab File: BF137603.D
Acq: 14 Mar 2024 21:24

Tgt Ion:165 Resp: 31552
Ion Ratio Lower Upper
165 100
63 1.2 50.7 76.1#
89 1.0 50.0 75.0#

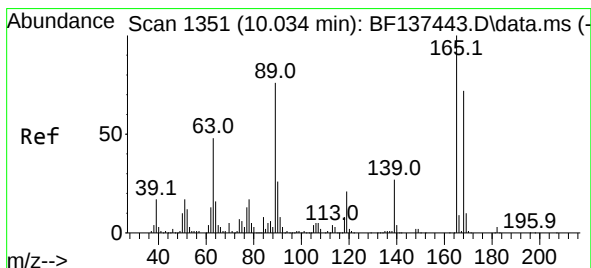
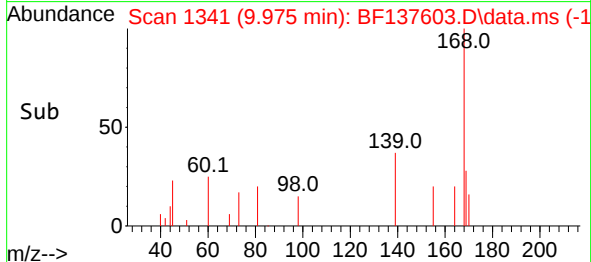
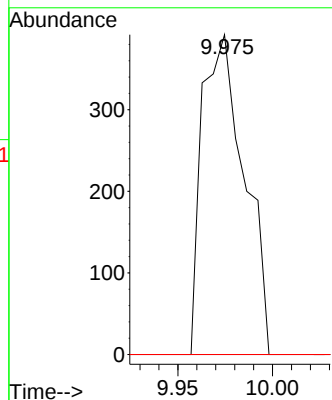
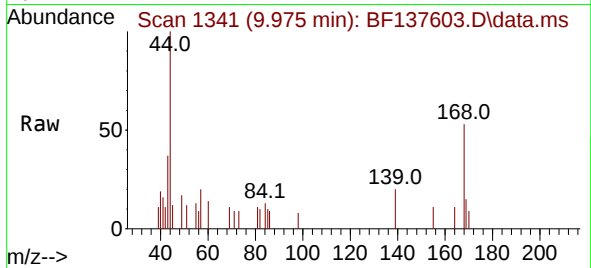




#56
4-Nitrophenol
Concen: 4.744 ng
RT: 9.975 min Scan# 11
Delta R.T. 0.088 min
Lab File: BF137603.D
Acq: 14 Mar 2024 21:24

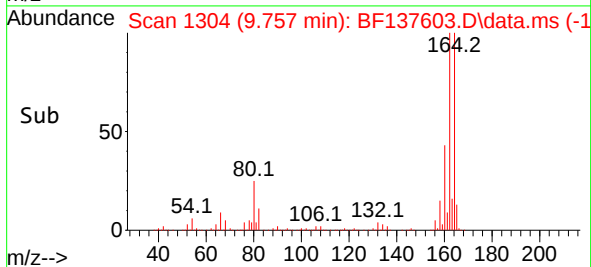
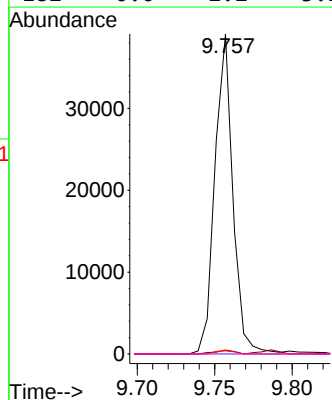
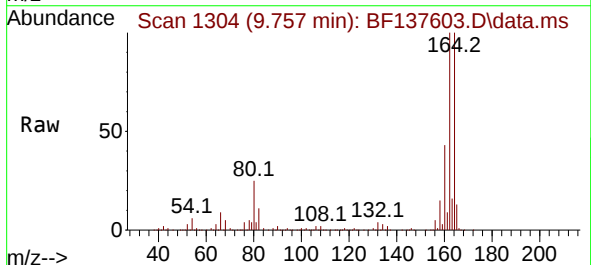
Instrument :
BNA_F
ClientSampleId :
SB-04-0-2.0

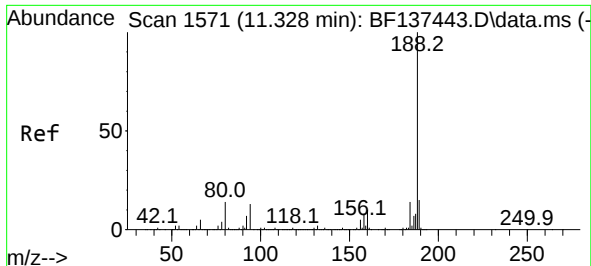
Tgt Ion:139 Resp: 608
Ion Ratio Lower Upper
139 100
109 0.0 47.1 87.1#
65 0.0 85.1 125.1#



#57
2,4-Dinitrotoluene
Concen: 7.328 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.200 min
Lab File: BF137603.D
Acq: 14 Mar 2024 21:24

Tgt Ion:165 Resp: 31552
Ion Ratio Lower Upper
165 100
63 1.2 39.0 58.6#
89 1.0 60.9 91.3#
182 0.0 2.2 3.2#

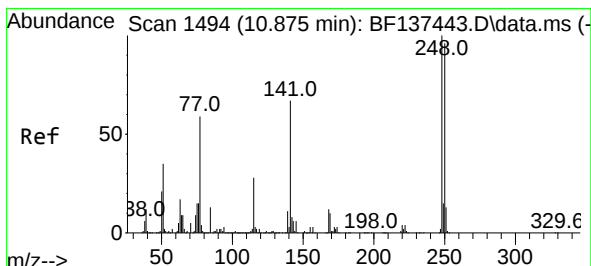
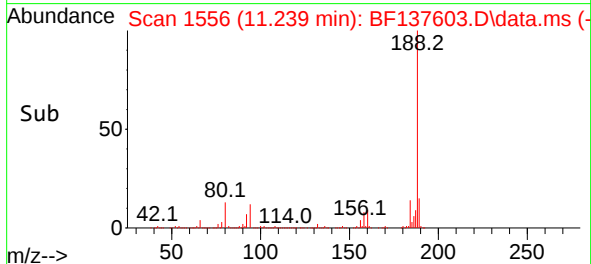
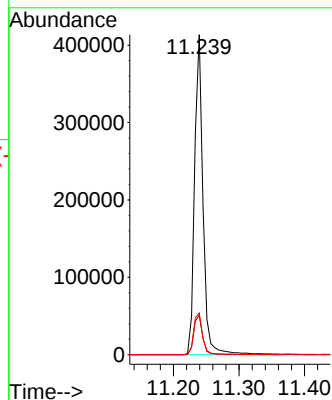
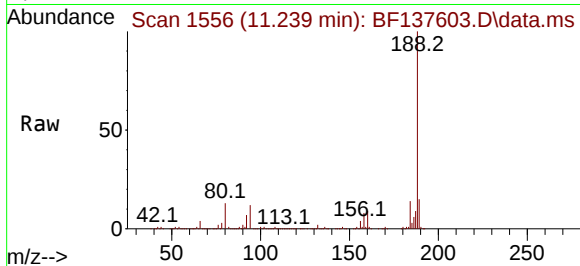




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF137603.D
Acq: 14 Mar 2024 21:24

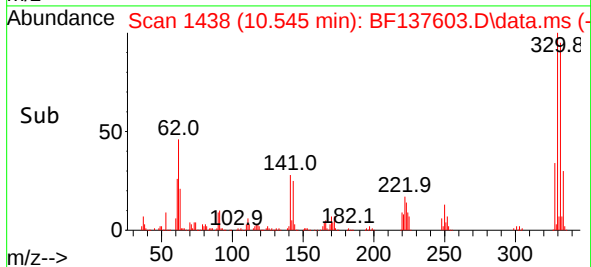
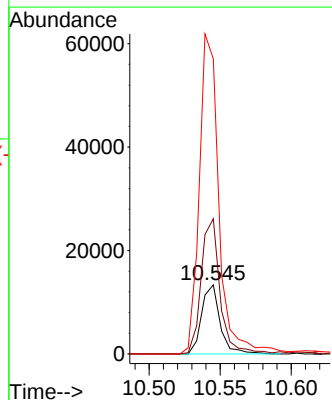
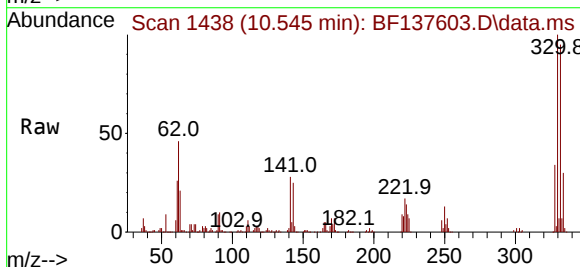
Instrument :
BNA_F
ClientSampleId :
SB-04-0-2.0

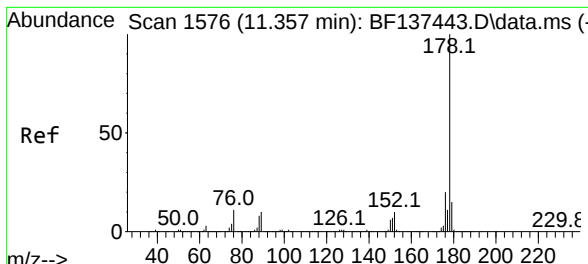
Tgt Ion:188 Resp: 370233
Ion Ratio Lower Upper
188 100
94 12.3 10.6 15.8
80 13.0 11.5 17.3



#67
4-Bromophenyl-phenylether
Concen: 3.009 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.247 min
Lab File: BF137603.D
Acq: 14 Mar 2024 21:24

Tgt Ion:248 Resp: 12133
Ion Ratio Lower Upper
248 100
250 195.6 76.8 115.2#
141 426.6 53.4 80.0#

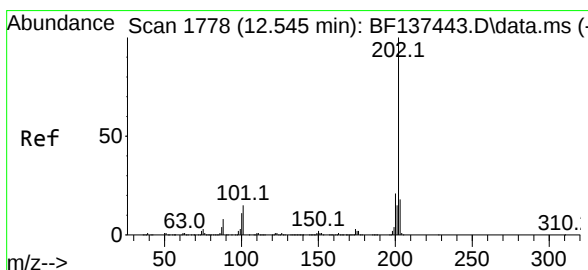
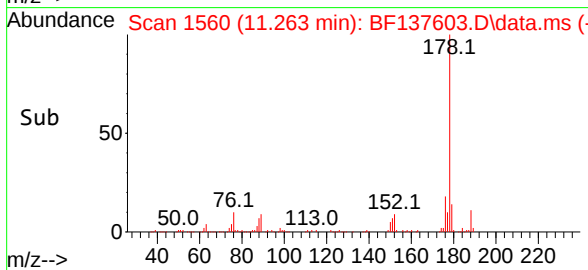
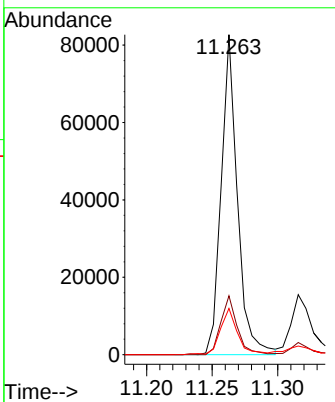
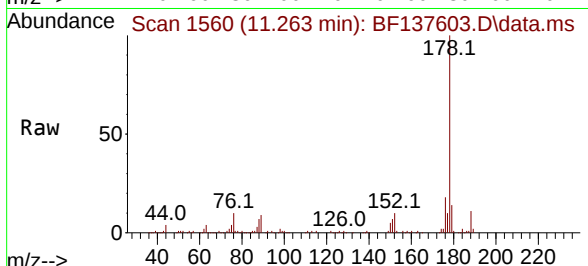




#71
 Phenanthrene
 Concen: 3.530 ng
 RT: 11.263 min Scan# 1762
 Delta R.T. -0.006 min
 Lab File: BF137603.D
 Acq: 14 Mar 2024 21:24

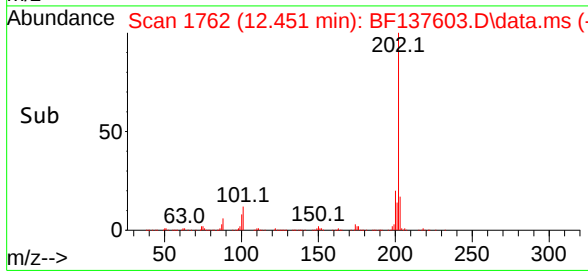
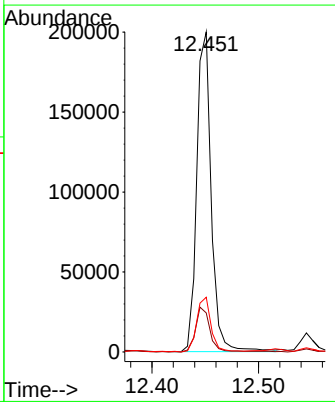
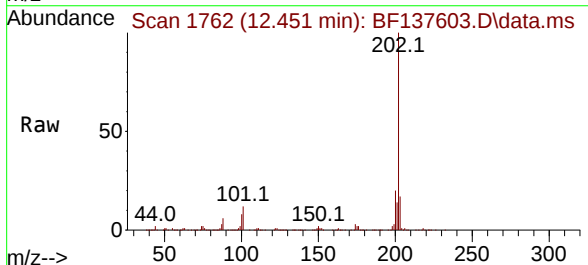
Instrument :
 BNA_F
 ClientSampleId :
 SB-04-0-2.0

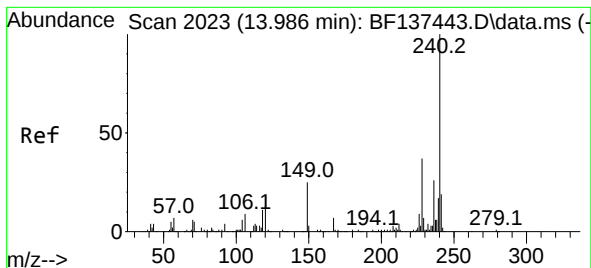
Tgt Ion:178	Resp:	71117
Ion Ratio	Lower	Upper
178	100	
176	18.4	15.8 23.8
179	14.4	12.2 18.2



#75
 Fluoranthene
 Concen: 9.609 ng
 RT: 12.451 min Scan# 1762
 Delta R.T. -0.000 min
 Lab File: BF137603.D
 Acq: 14 Mar 2024 21:24

Tgt Ion:202	Resp:	189249
Ion Ratio	Lower	Upper
202	100	
101	12.2	0.0 35.0
203	17.1	0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.874 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF137603.D

Acq: 14 Mar 2024 21:24

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0

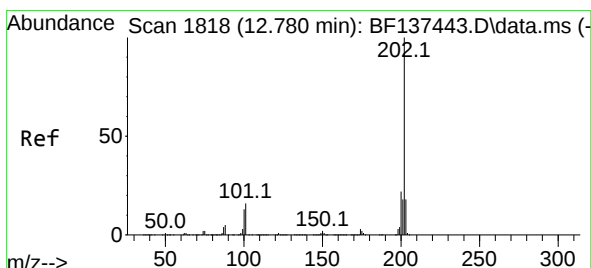
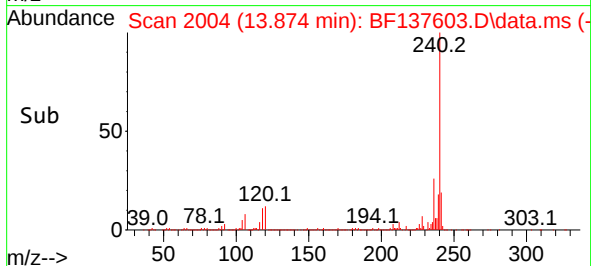
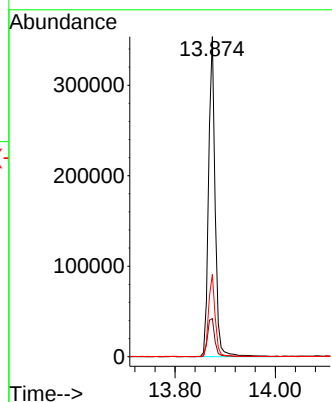
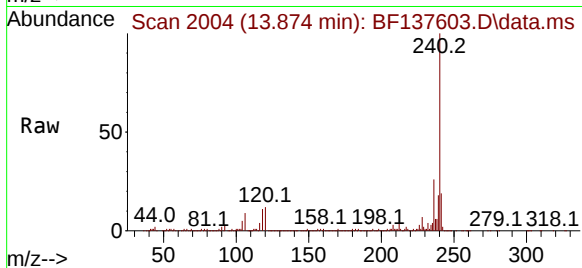
Tgt Ion:240 Resp: 323246

Ion Ratio Lower Upper

240 100

120 11.9 10.4 15.6

236 25.7 20.9 31.3



#78

Pyrene

Concen: 5.584 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.006 min

Lab File: BF137603.D

Acq: 14 Mar 2024 21:24

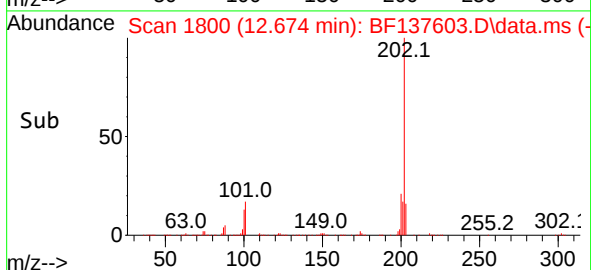
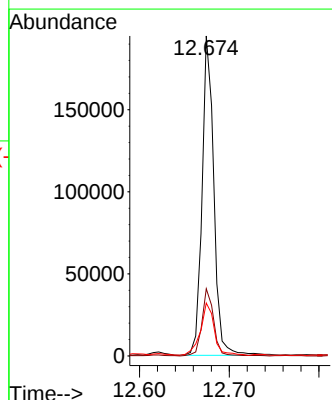
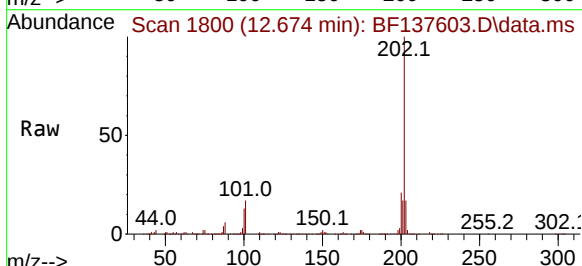
Tgt Ion:202 Resp: 177110

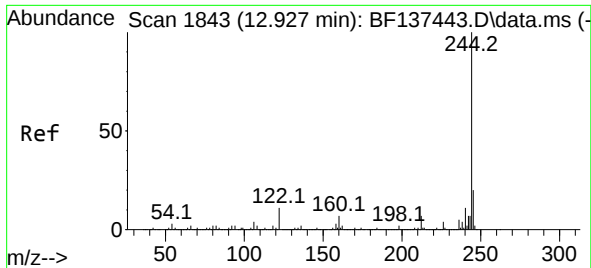
Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

203 16.6 14.1 21.1

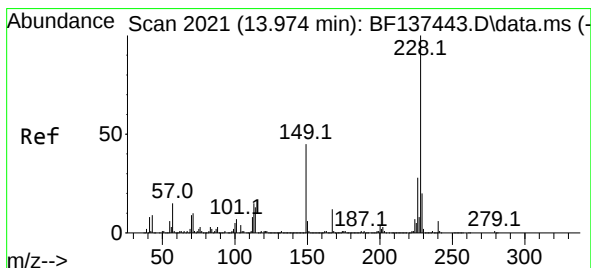
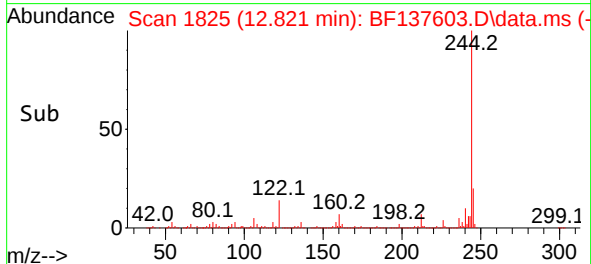
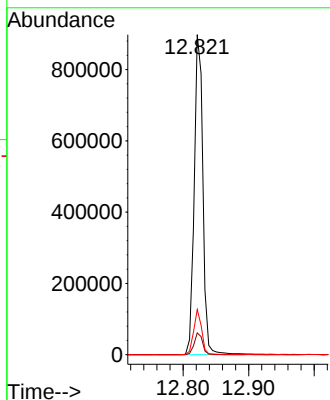
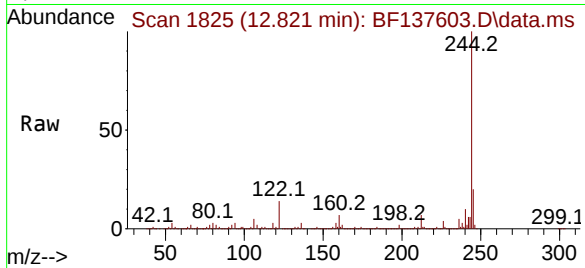




#79
 Terphenyl-d14
 Concen: 35.215 ng
 RT: 12.821 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF137603.D
 Acq: 14 Mar 2024 21:24

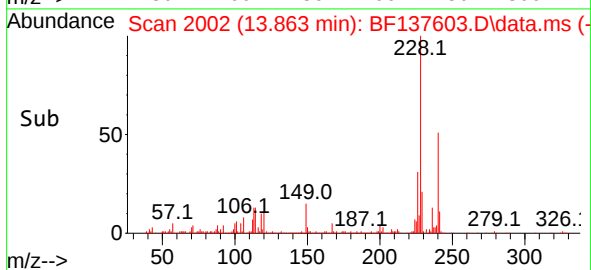
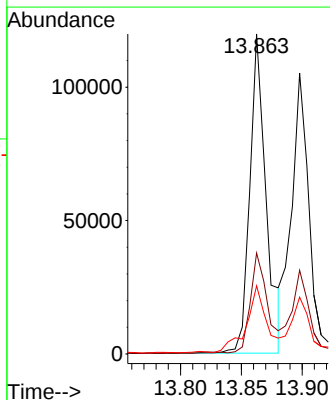
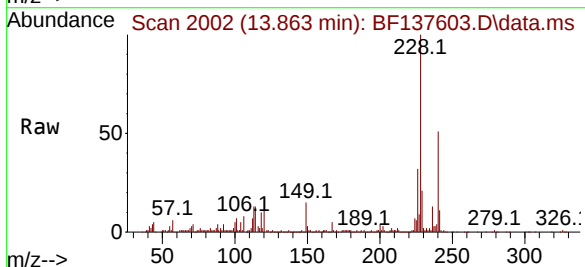
Instrument :
 BNA_F
 ClientSampleId :
 SB-04-0-2.0

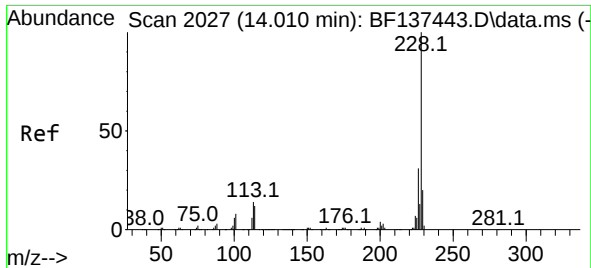
Tgt Ion:244 Resp: 827806
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 14.1 9.1 13.7#



#81
 Benzo(a)anthracene
 Concen: 4.942 ng
 RT: 13.863 min Scan# 2002
 Delta R.T. -0.006 min
 Lab File: BF137603.D
 Acq: 14 Mar 2024 21:24

Tgt Ion:228 Resp: 111971
 Ion Ratio Lower Upper
 228 100
 226 31.6 22.3 33.5
 229 21.3 16.3 24.5





#83

Chrysene

Concen: 4.643 ng

RT: 13.898 min Scan# 2105

Delta R.T. -0.006 min

Lab File: BF137603.D

Acq: 14 Mar 2024 21:24

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0

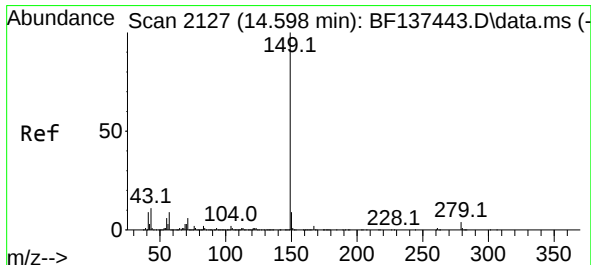
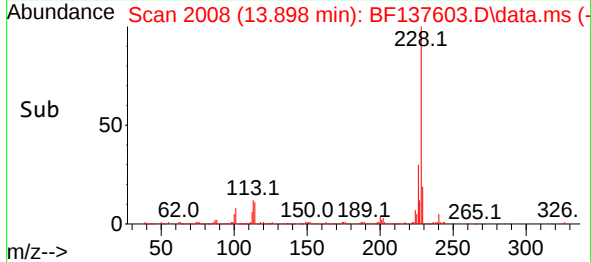
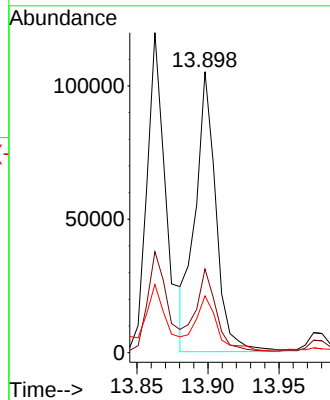
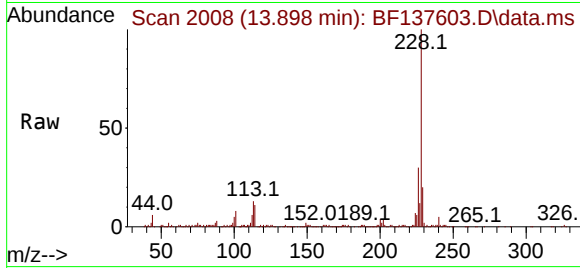
Tgt Ion:228 Resp: 106306

Ion Ratio Lower Upper

228 100

226 29.8 24.7 37.1

229 20.2 15.9 23.9



#85

Di-n-octyl phthalate

Concen: 5.774 ng

RT: 14.468 min Scan# 2105

Delta R.T. -0.006 min

Lab File: BF137603.D

Acq: 14 Mar 2024 21:24

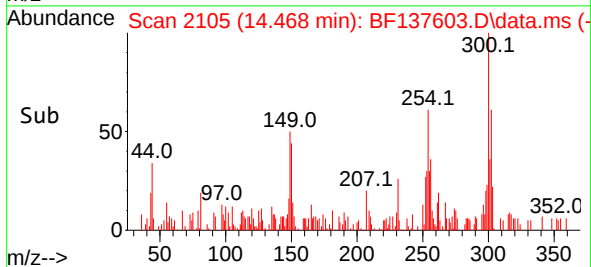
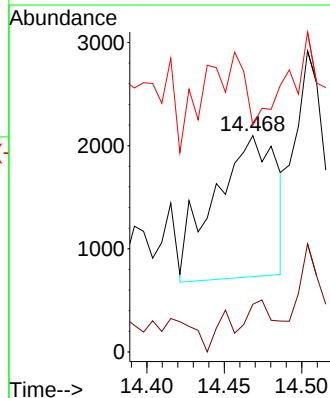
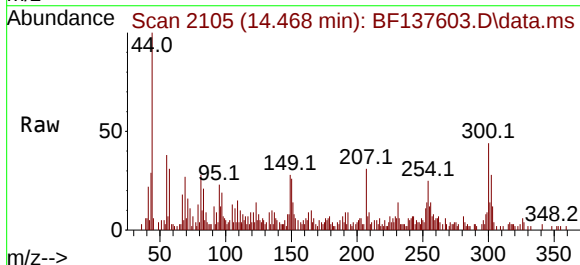
Tgt Ion:149 Resp: 3766

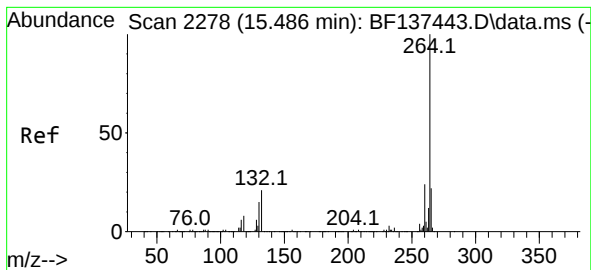
Ion Ratio Lower Upper

149 100

167 13.6 1.2 1.8#

43 0.0 9.6 14.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.292 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137603.D

Acq: 14 Mar 2024 21:24

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0

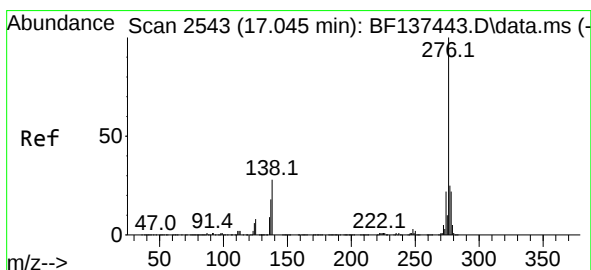
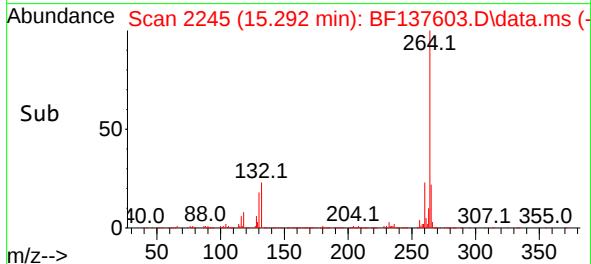
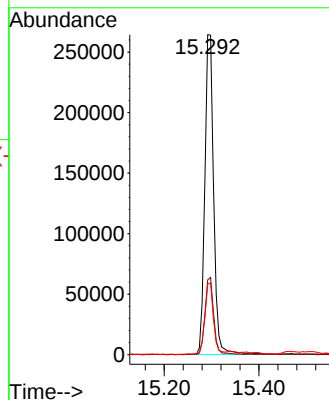
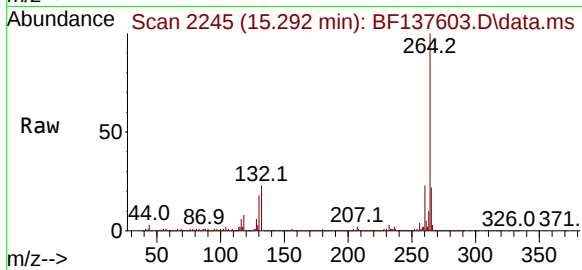
Tgt Ion:264 Resp: 341209

Ion Ratio Lower Upper

264 100

260 23.4 19.3 28.9

265 22.1 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.014 ng

RT: 16.680 min Scan# 2481

Delta R.T. -0.006 min

Lab File: BF137603.D

Acq: 14 Mar 2024 21:24

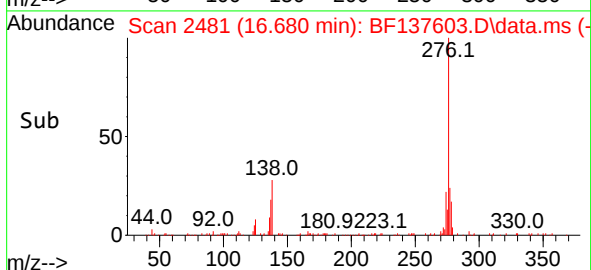
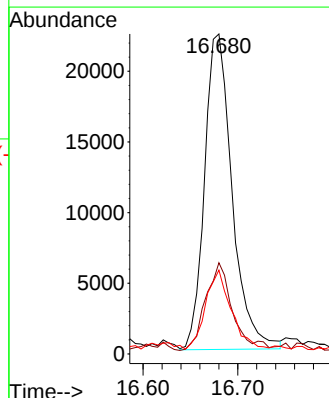
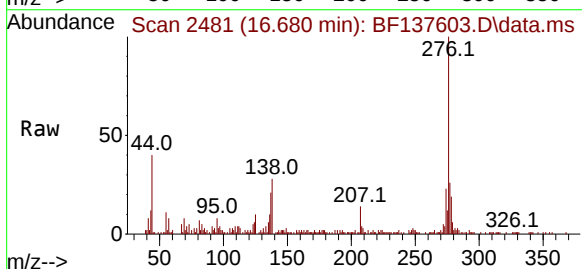
Tgt Ion:276 Resp: 45216

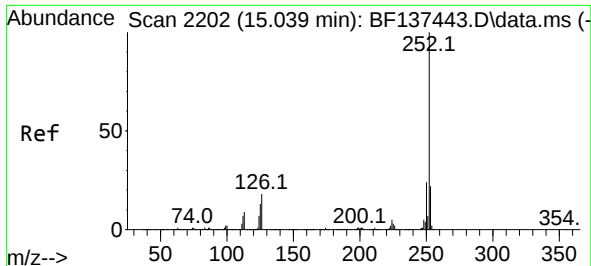
Ion Ratio Lower Upper

276 100

138 27.3 25.8 38.8

277 23.2 20.2 30.2

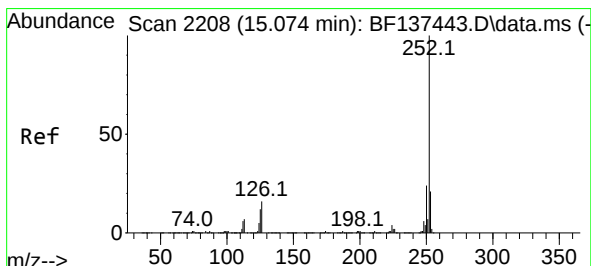
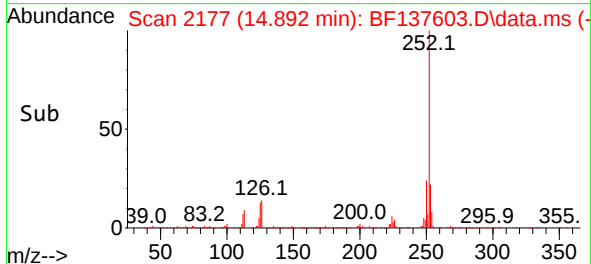
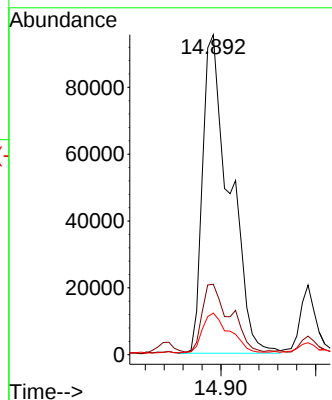
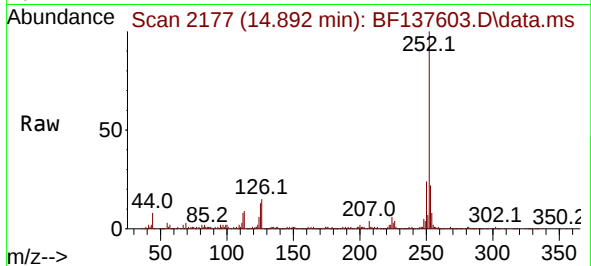




#88
Benzo(b)fluoranthene
Concen: 9.347 ng
RT: 14.892 min Scan# 2177
Delta R.T. -0.000 min
Lab File: BF137603.D
Acq: 14 Mar 2024 21:24

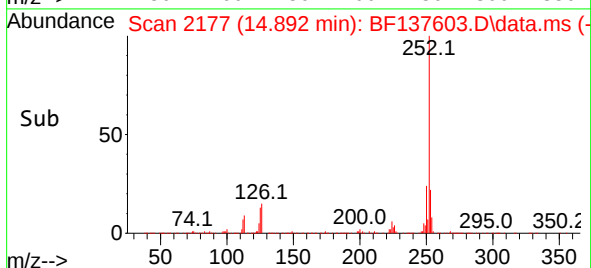
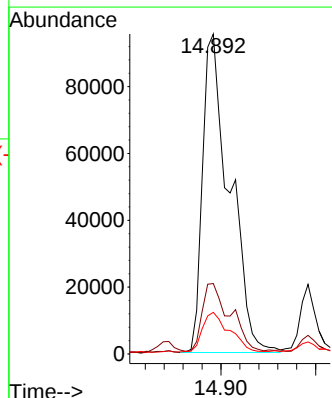
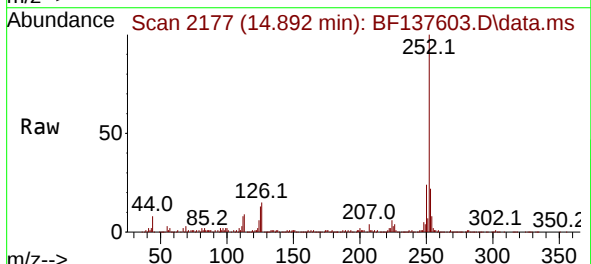
Instrument :
BNA_F
ClientSampleId :
SB-04-0-2.0

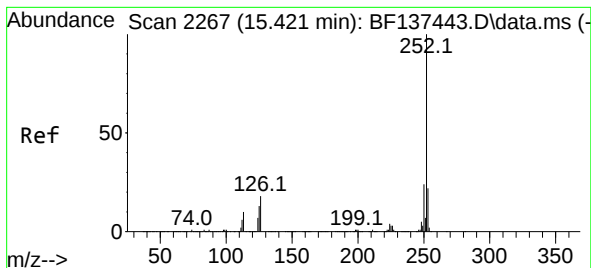
Tgt Ion:252 Resp: 188650
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 13.0 10.1 15.1



#89
Benzo(k)fluoranthene
Concen: 8.702 ng
RT: 14.892 min Scan# 2177
Delta R.T. -0.030 min
Lab File: BF137603.D
Acq: 14 Mar 2024 21:24

Tgt Ion:252 Resp: 188650
Ion Ratio Lower Upper
252 100
253 22.0 17.3 25.9
125 13.0 9.6 14.4





#90

Benzo(a)pyrene

Concen: 4.928 ng

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137603.D

Acq: 14 Mar 2024 21:24

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0

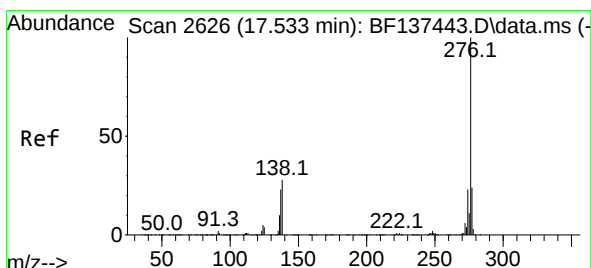
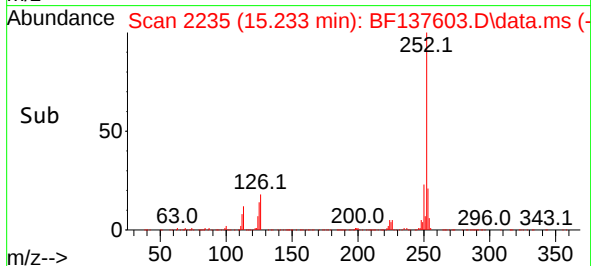
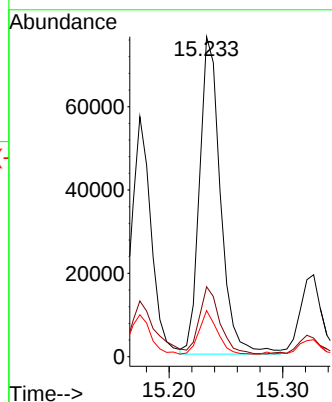
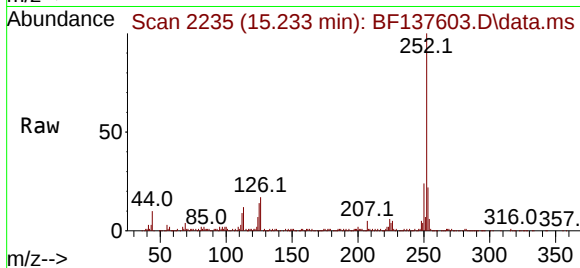
Tgt Ion:252 Resp: 98025

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 14.4 10.4 15.6



#92

Benzo(g,h,i)perylene

Concen: 2.214 ng

RT: 17.092 min Scan# 2551

Delta R.T. -0.012 min

Lab File: BF137603.D

Acq: 14 Mar 2024 21:24

Tgt Ion:276 Resp: 41417

Ion Ratio Lower Upper

276 100

277 24.5 19.0 28.4

138 28.2 22.2 33.2

