

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043024\
 Data File : BF137778.D
 Acq On : 30 Apr 2024 19:02
 Operator : CG\JU
 Sample : P2310-01 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-042924

Quant Time: May 01 04:25:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:25:08 2024
 Response via : Initial Calibration

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

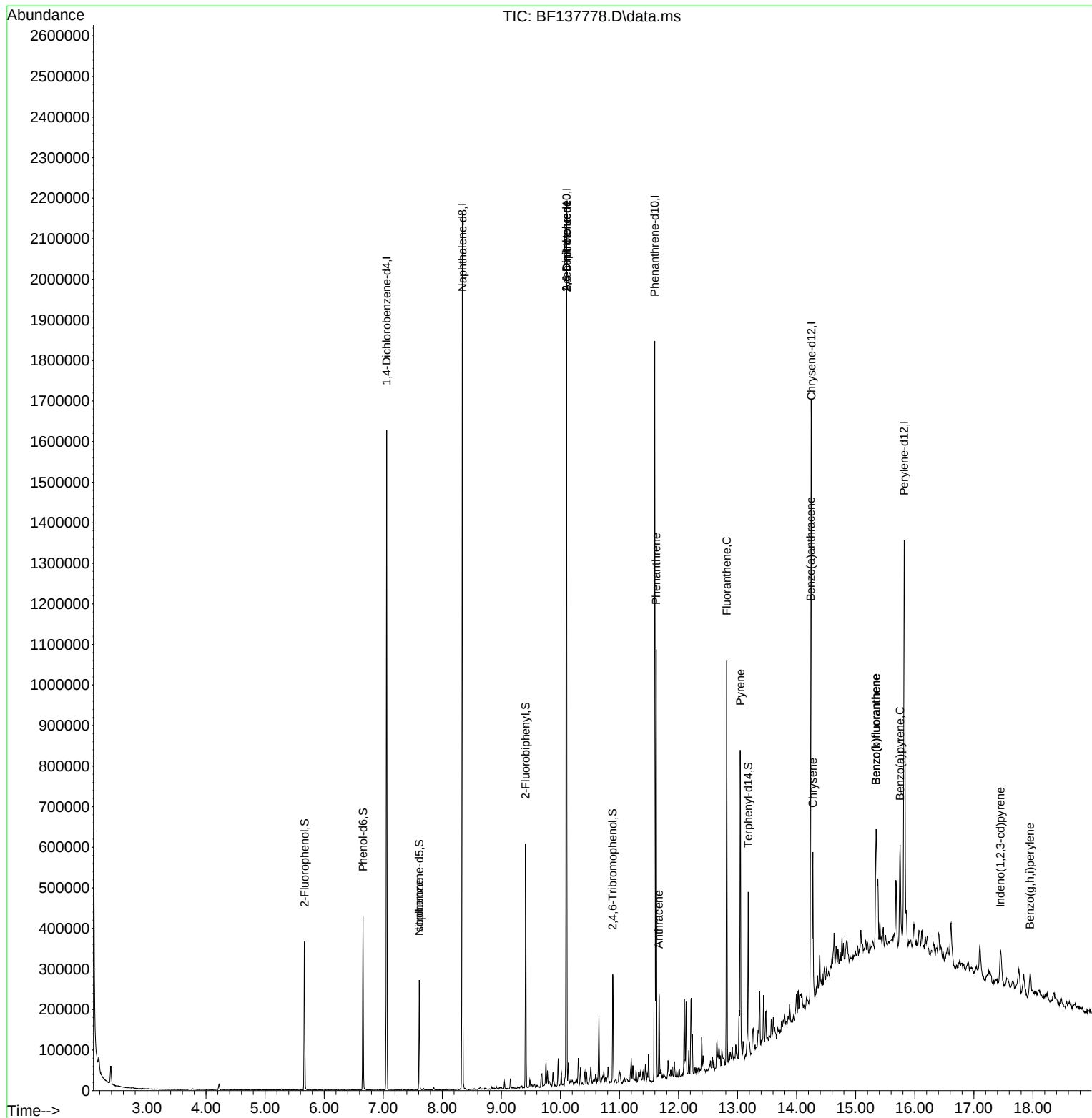
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.057	152	227347	20.000	ng	0.00
21) Naphthalene-d8	8.339	136	869291	20.000	ng	0.00
39) Acenaphthene-d10	10.104	164	444667	20.000	ng	0.00
64) Phenanthrene-d10	11.598	188	612184	20.000	ng	0.00
76) Chrysene-d12	14.251	240	448604	20.000	ng	# 0.00
86) Perylene-d12	15.821	264	497743	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.669	112	102640	7.559	ng	0.00
7) Phenol-d6	6.657	99	127647	7.411	ng	-0.02
23) Nitrobenzene-d5	7.610	82	69982	4.677	ng	-0.01
42) 2,4,6-Tribromophenol	10.886	330	23975	5.281	ng	-0.01
45) 2-Fluorobiphenyl	9.410	172	162939	5.945	ng	-0.01
79) Terphenyl-d14	13.180	244	115851	4.328	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.610	82	69981	2.594	ng	# 64
51) 2,6-Dinitrotoluene	10.104	165	58910	9.183	ng	# 26
57) 2,4-Dinitrotoluene	10.104	165	58910	7.029	ng	# 26
71) Phenanthrene	11.622	178	348373	11.675	ng	98
72) Anthracene	11.669	178	81896	2.758	ng	98
75) Fluoranthene	12.816	202	353101	10.826	ng	100
78) Pyrene	13.045	202	294254	8.273	ng	97
81) Benzo(a)anthracene	14.239	228	160943	5.609	ng	97
83) Chrysene	14.274	228	145921	5.432	ng	97
87) Indeno(1,2,3-cd)pyrene	17.451	276	59833	2.114	ng	93
88) Benzo(b)fluoranthene	15.345	252	235317	7.599	ng	# 96
89) Benzo(k)fluoranthene	15.345	252	235317	7.862	ng	97
90) Benzo(a)pyrene	15.751	252	122775	4.860	ng	96
92) Benzo(g,h,i)perylene	17.951	276	51294	2.124	ng	95

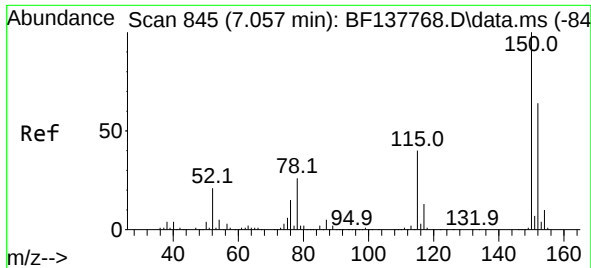
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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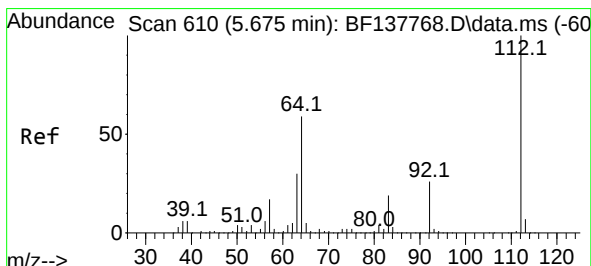
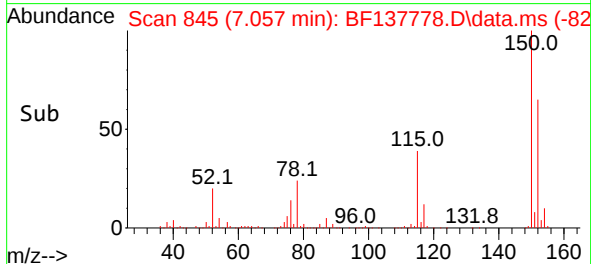
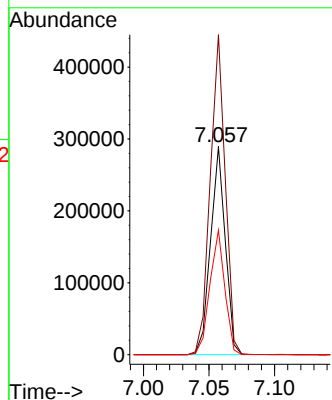
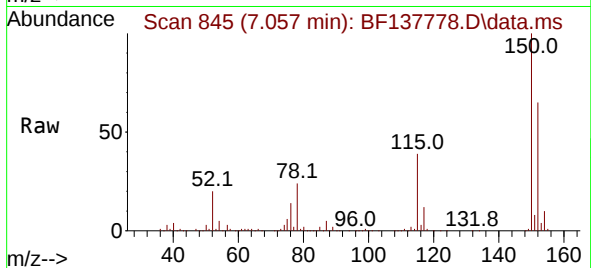




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.057 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: BF137778.D
 Acq: 30 Apr 2024 19:02

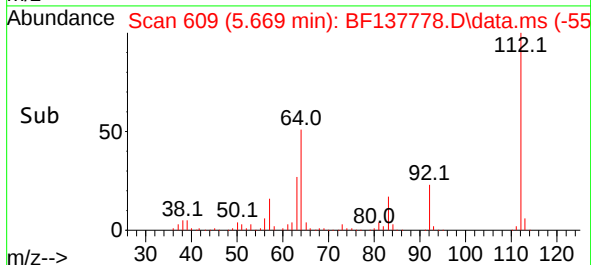
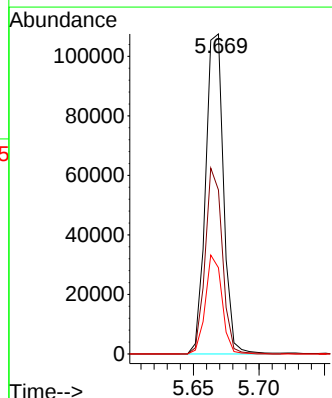
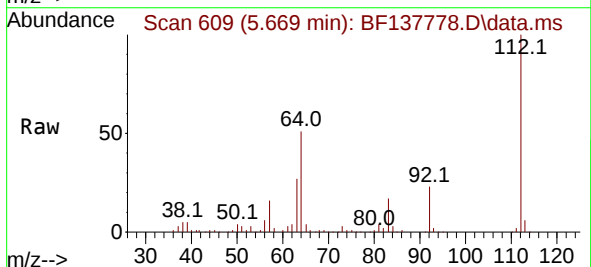
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-042924

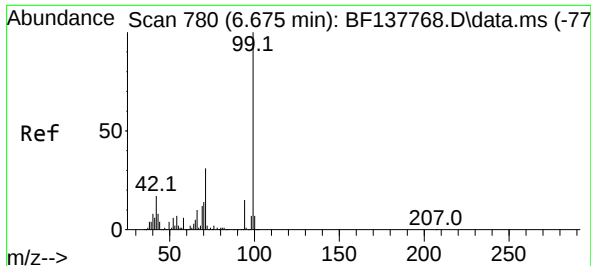
Tgt Ion:152 Resp: 227347
 Ion Ratio Lower Upper
 152 100
 150 153.7 124.1 186.1
 115 59.8 49.1 73.7



#5
 2-Fluorophenol
 Concen: 7.559 ng
 RT: 5.669 min Scan# 609
 Delta R.T. -0.006 min
 Lab File: BF137778.D
 Acq: 30 Apr 2024 19:02

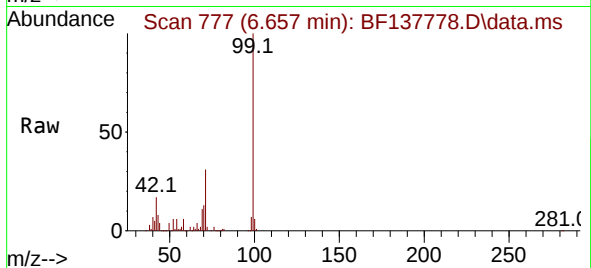
Tgt Ion:112 Resp: 102640
 Ion Ratio Lower Upper
 112 100
 64 51.3 47.3 70.9
 63 26.9 23.7 35.5



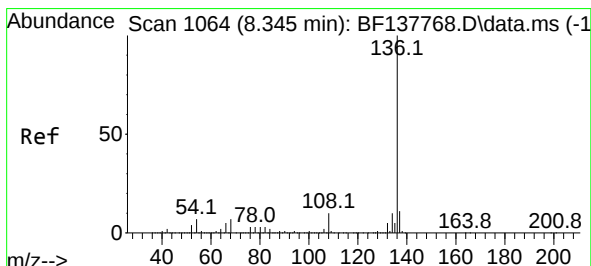
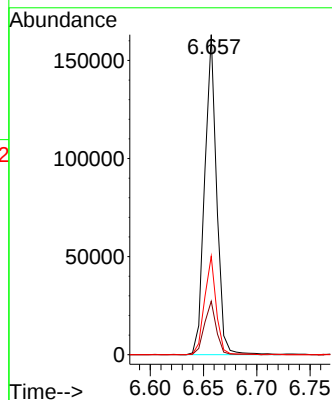
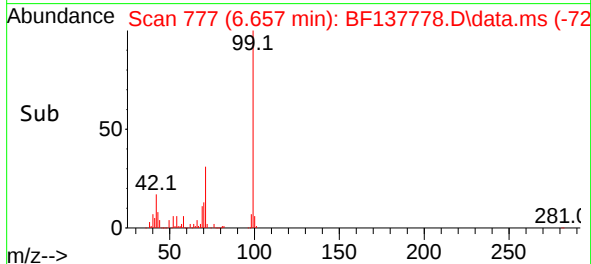


#7
Phenol-d6
Concen: 7.411 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF137778.D
Acq: 30 Apr 2024 19:02

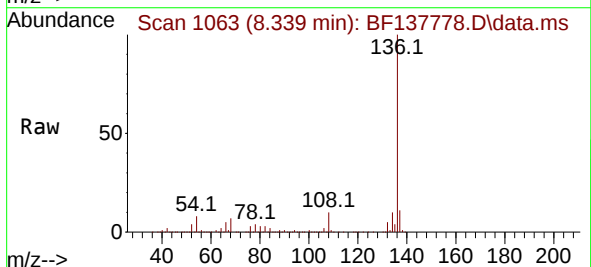
Instrument :
BNA_F
ClientSampleId :
SU-02-042924



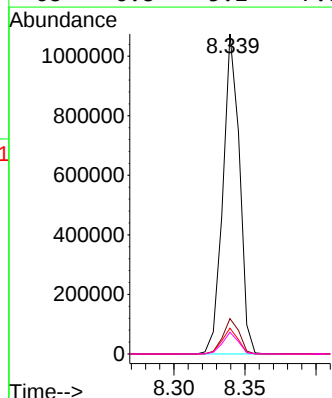
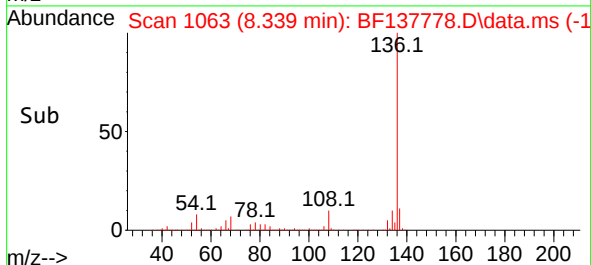
Tgt Ion: 99 Resp: 127647
Ion Ratio Lower Upper
99 100
42 16.7 13.2 19.8
71 30.7 25.0 37.4

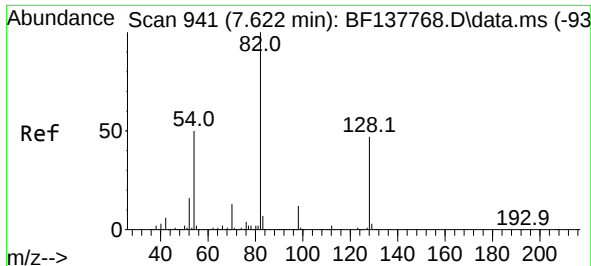


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.339 min Scan# 1063
Delta R.T. -0.006 min
Lab File: BF137778.D
Acq: 30 Apr 2024 19:02



Tgt Ion: 136 Resp: 869291
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.0 5.8 8.8
68 6.8 5.2 7.8





#23

Nitrobenzene-d5

Concen: 4.677 ng

RT: 7.610 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF137778.D

Acq: 30 Apr 2024 19:02

Instrument :

BNA_F

ClientSampleId :

SU-02-042924

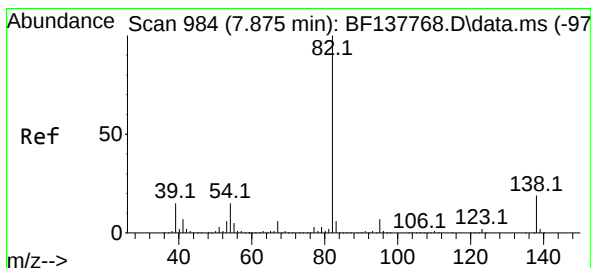
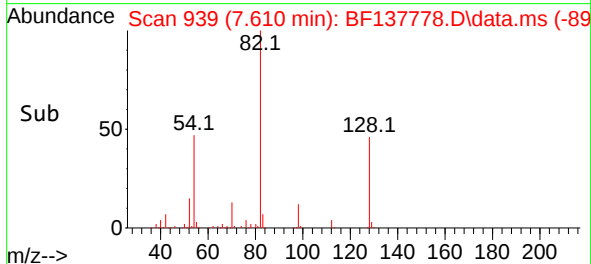
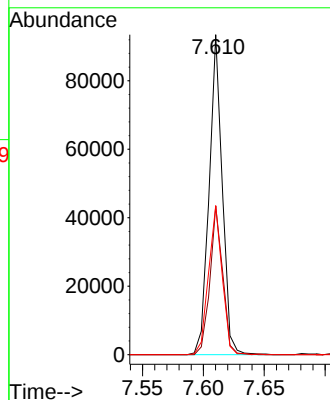
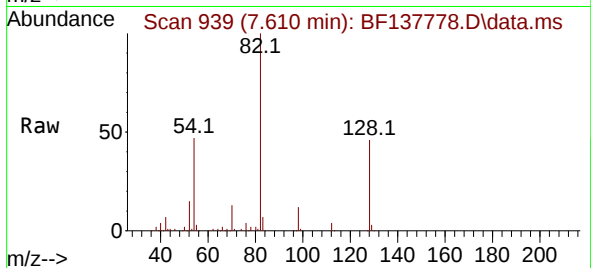
Tgt Ion: 82 Resp: 69982

Ion Ratio Lower Upper

82 100

128 46.4 37.5 56.3

54 46.6 39.8 59.6



#25

Isophorone

Concen: 2.594 ng

RT: 7.610 min Scan# 939

Delta R.T. -0.265 min

Lab File: BF137778.D

Acq: 30 Apr 2024 19:02

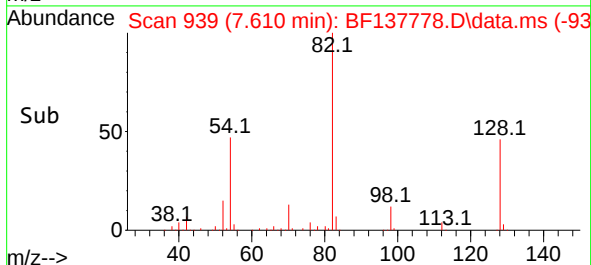
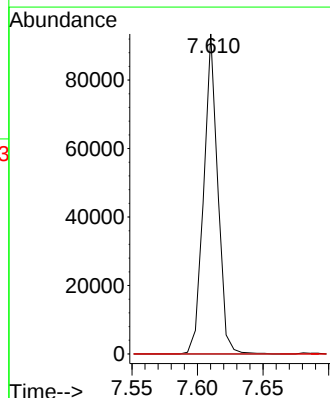
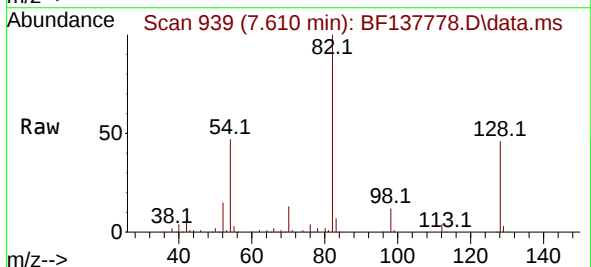
Tgt Ion: 82 Resp: 69981

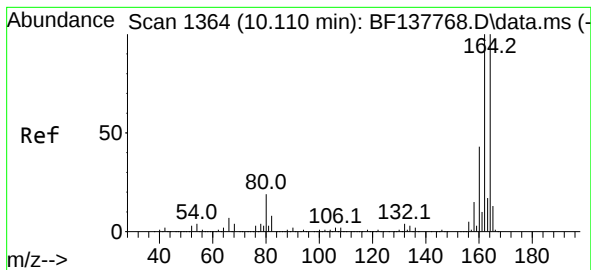
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 15.0 22.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.104 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137778.D

Acq: 30 Apr 2024 19:02

Instrument :

BNA_F

ClientSampleId :

SU-02-042924

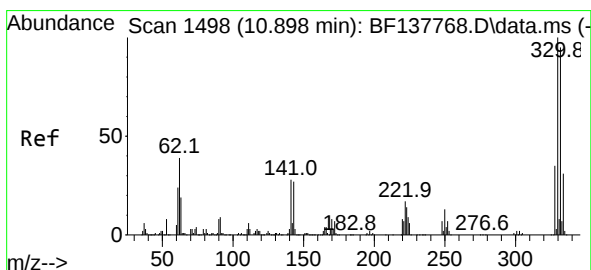
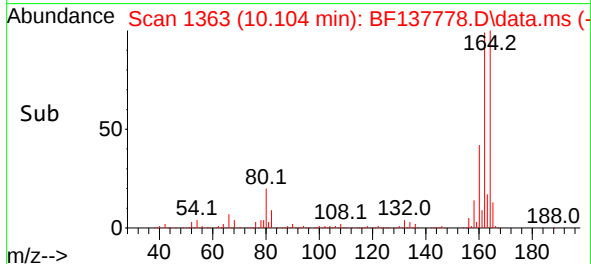
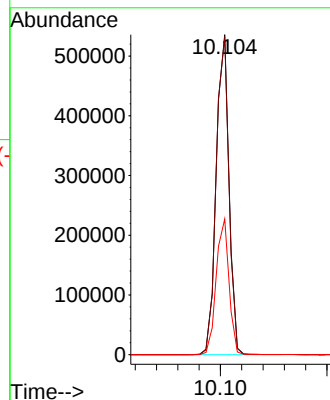
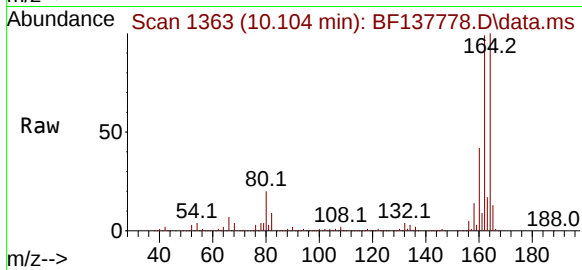
Tgt Ion:164 Resp: 444667

Ion Ratio Lower Upper

164 100

162 99.3 79.8 119.6

160 42.4 34.4 51.6



#42

2,4,6-Tribromophenol

Concen: 5.281 ng

RT: 10.886 min Scan# 1496

Delta R.T. -0.012 min

Lab File: BF137778.D

Acq: 30 Apr 2024 19:02

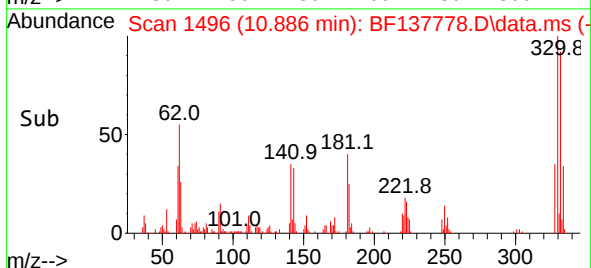
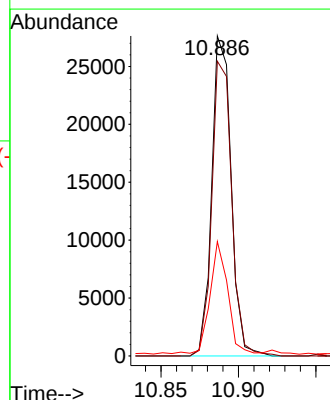
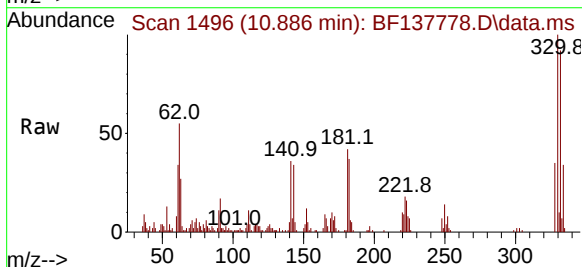
Tgt Ion:330 Resp: 23975

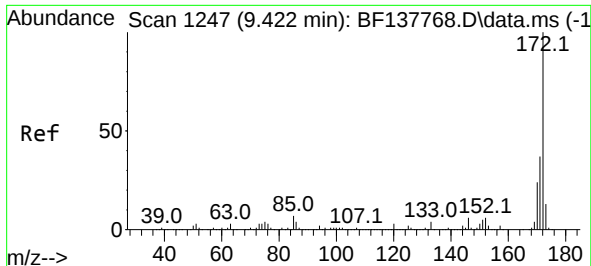
Ion Ratio Lower Upper

330 100

332 94.6 77.3 115.9

141 32.5 23.8 35.6





#45

2-Fluorobiphenyl

Concen: 5.945 ng

RT: 9.410 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF137778.D

Acq: 30 Apr 2024 19:02

Instrument :

BNA_F

ClientSampleId :

SU-02-042924

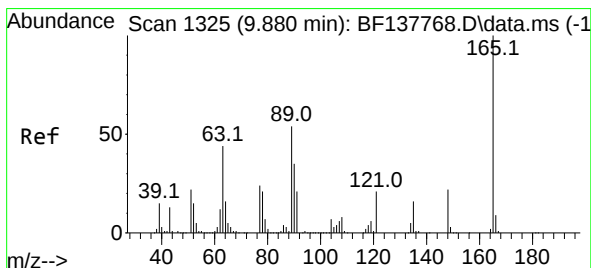
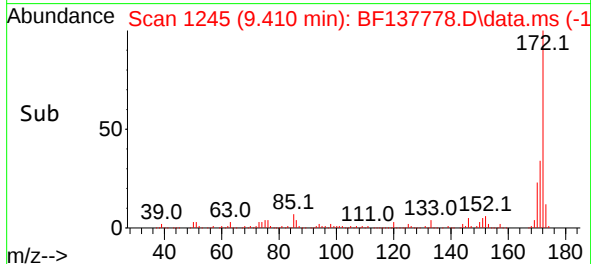
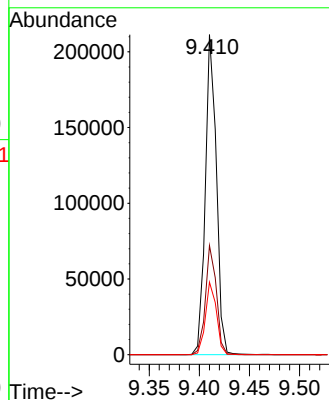
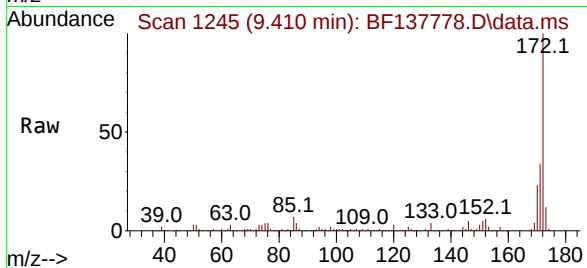
Tgt Ion:172 Resp: 162939

Ion Ratio Lower Upper

172 100

171 34.1 29.6 44.4

170 22.6 19.4 29.2



#51

2,6-Dinitrotoluene

Concen: 9.183 ng

RT: 10.104 min Scan# 1363

Delta R.T. 0.224 min

Lab File: BF137778.D

Acq: 30 Apr 2024 19:02

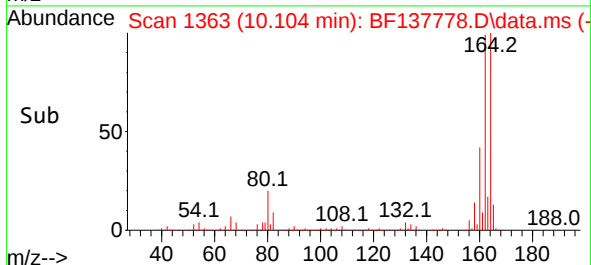
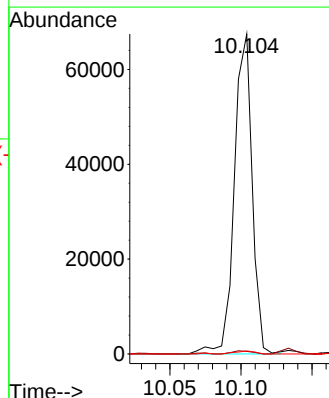
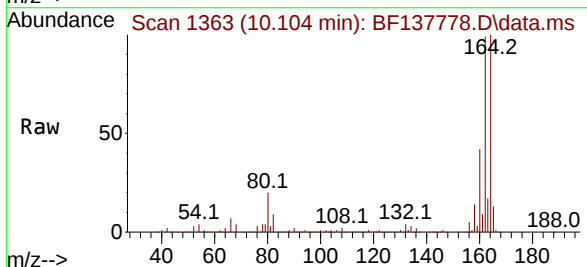
Tgt Ion:165 Resp: 58910

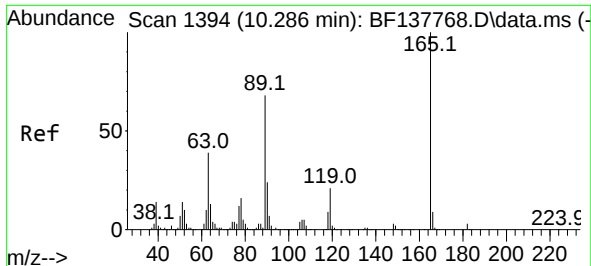
Ion Ratio Lower Upper

165 100

63 0.8 41.9 62.9#

89 1.0 43.2 64.8#

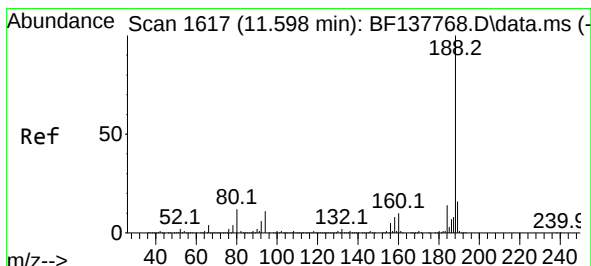
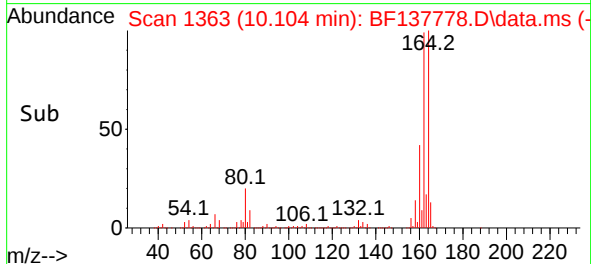
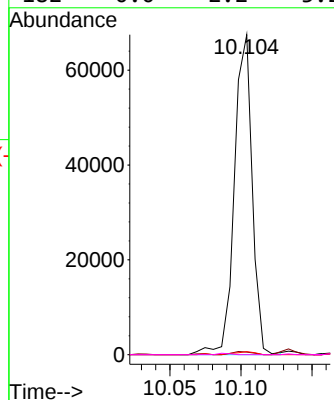
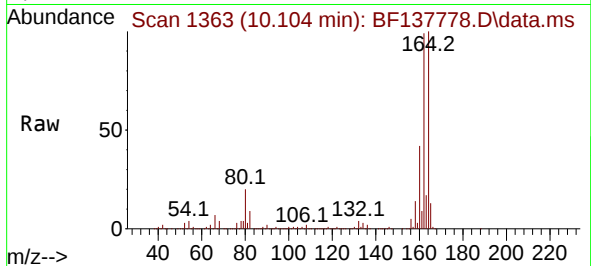




#57
2,4-Dinitrotoluene
Concen: 7.029 ng
RT: 10.104 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF137778.D
Acq: 30 Apr 2024 19:02

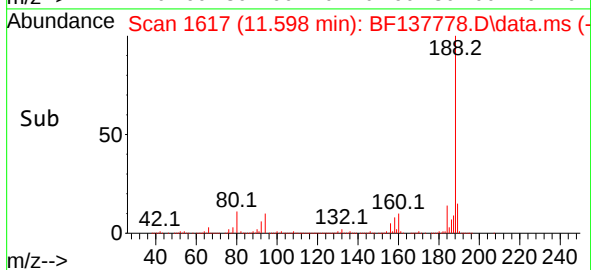
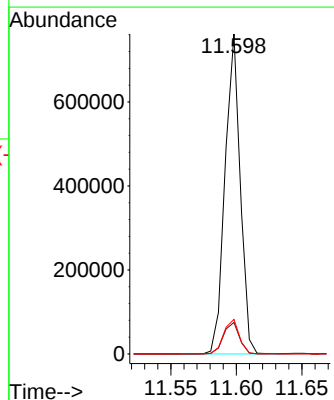
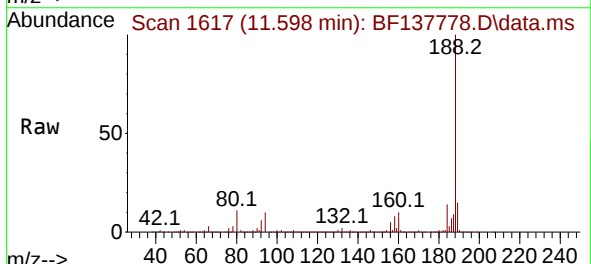
Instrument :
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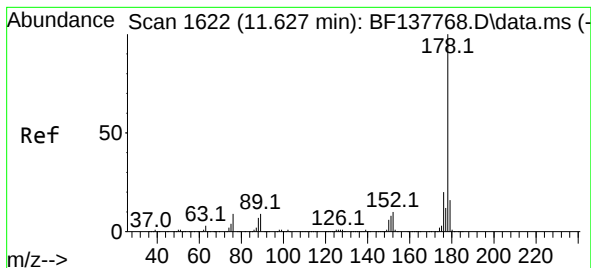
Tgt Ion:165 Resp: 58910
Ion Ratio Lower Upper
165 100
63 0.8 31.3 46.9#
89 1.0 54.2 81.4#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.598 min Scan# 1617
Delta R.T. 0.000 min
Lab File: BF137778.D
Acq: 30 Apr 2024 19:02

Tgt Ion:188 Resp: 612184
Ion Ratio Lower Upper
188 100
94 9.8 8.8 13.2
80 10.8 9.6 14.4





#71

Phenanthrene

Concen: 11.675 ng

RT: 11.622 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137778.D

Acq: 30 Apr 2024 19:02

Instrument :

BNA_F

ClientSampleId :

SU-02-042924

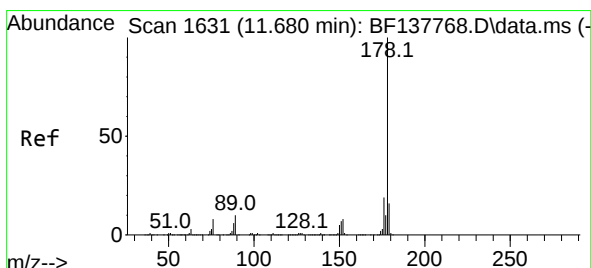
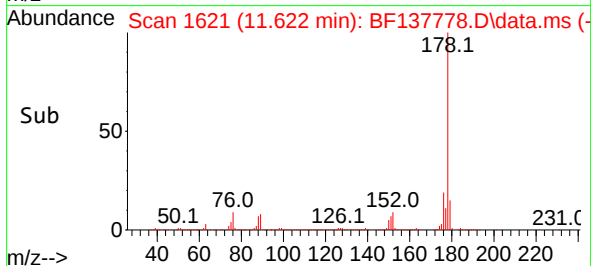
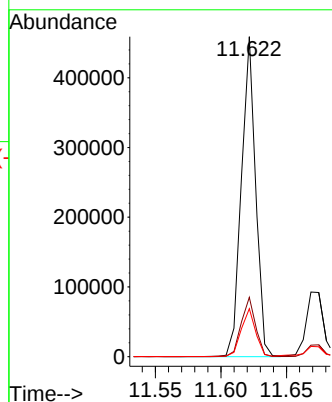
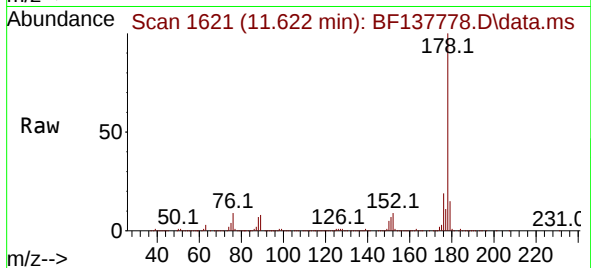
Tgt Ion:178 Resp: 348373

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.6

179 15.0 12.5 18.7



#72

Anthracene

Concen: 2.758 ng

RT: 11.669 min Scan# 1629

Delta R.T. -0.012 min

Lab File: BF137778.D

Acq: 30 Apr 2024 19:02

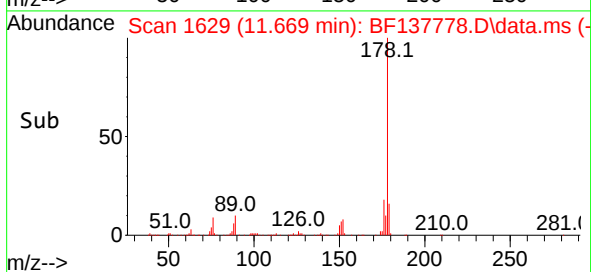
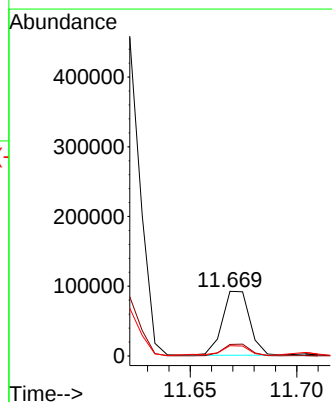
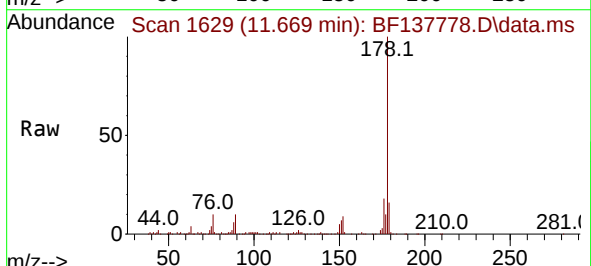
Tgt Ion:178 Resp: 81896

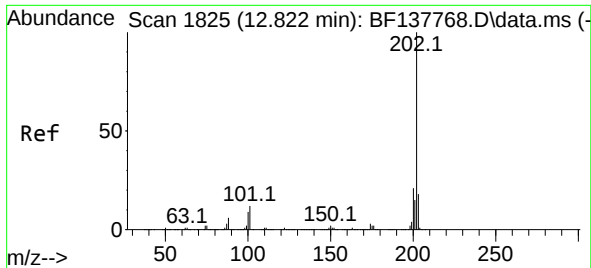
Ion Ratio Lower Upper

178 100

176 17.8 15.2 22.8

179 15.8 12.6 18.8

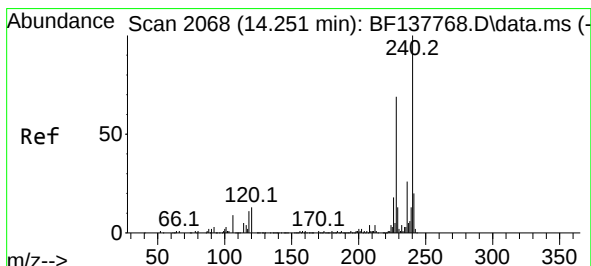
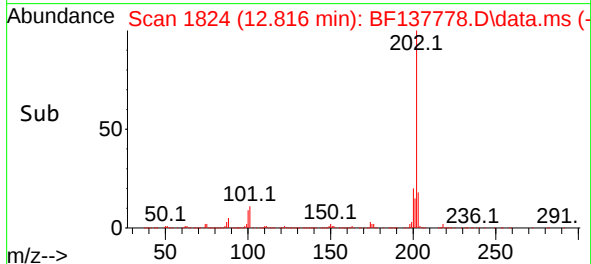
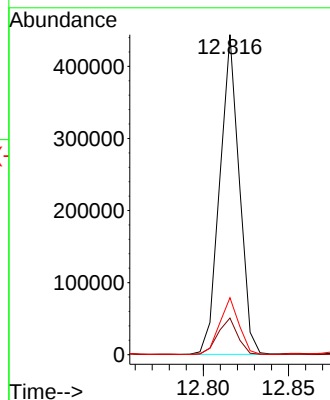
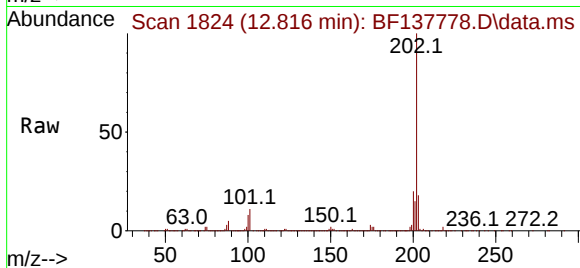




#75
Fluoranthene
Concen: 10.826 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF137778.D
Acq: 30 Apr 2024 19:02

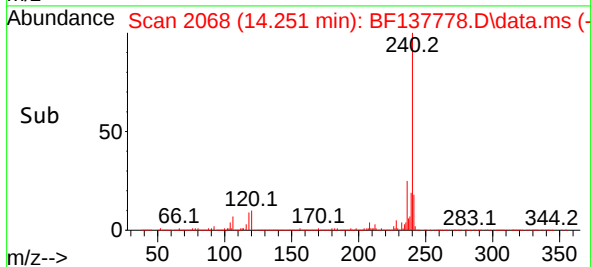
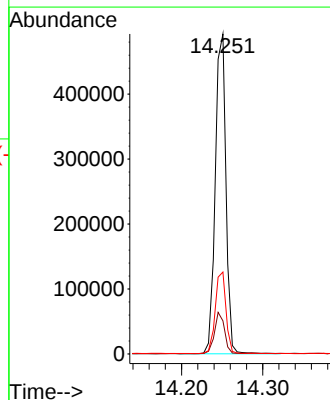
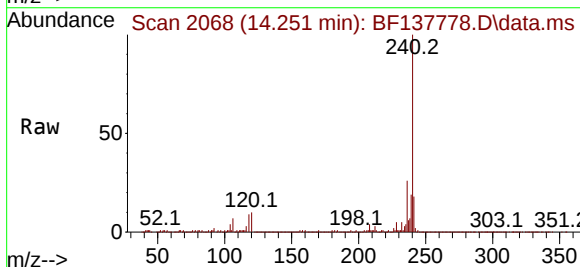
Instrument :
BNA_F
ClientSampleId :
SU-02-042924

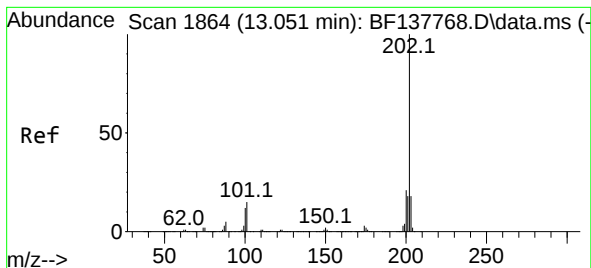
Tgt Ion:202 Resp: 353101
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.8
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.251 min Scan# 2068
Delta R.T. 0.000 min
Lab File: BF137778.D
Acq: 30 Apr 2024 19:02

Tgt Ion:240 Resp: 448604
Ion Ratio Lower Upper
240 100
120 10.3 10.4 15.6#
236 25.6 20.4 30.6





#78

Pyrene

Concen: 8.273 ng

RT: 13.045 min Scan# 1863

Delta R.T. -0.006 min

Lab File: BF137778.D

Acq: 30 Apr 2024 19:02

Instrument :

BNA_F

ClientSampleId :

SU-02-042924

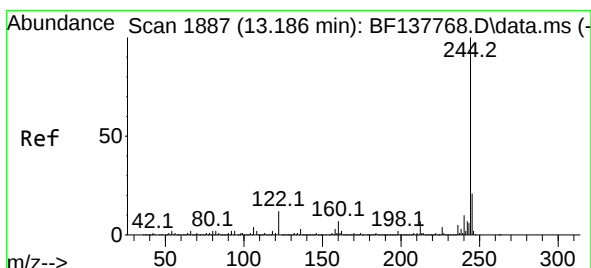
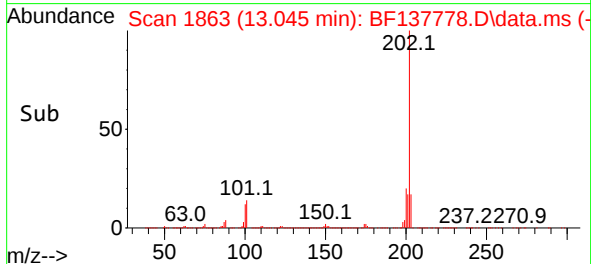
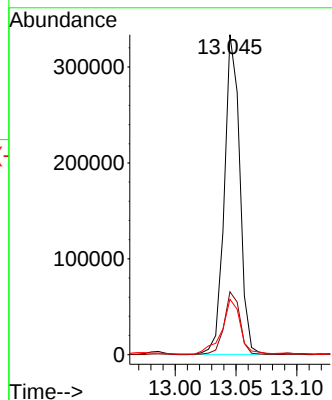
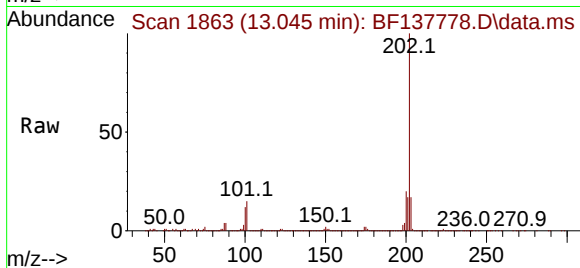
Tgt Ion:202 Resp: 294254

Ion Ratio Lower Upper

202 100

200 19.6 17.2 25.8

203 17.3 14.4 21.6



#79

Terphenyl-d14

Concen: 4.328 ng

RT: 13.180 min Scan# 1886

Delta R.T. -0.006 min

Lab File: BF137778.D

Acq: 30 Apr 2024 19:02

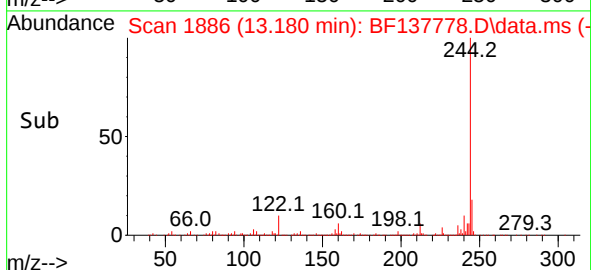
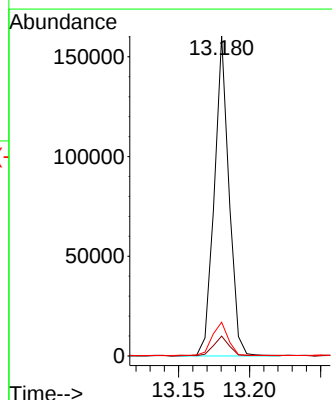
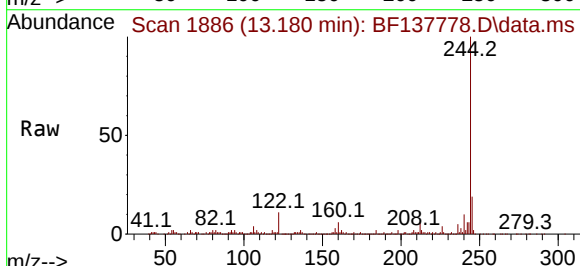
Tgt Ion:244 Resp: 115851

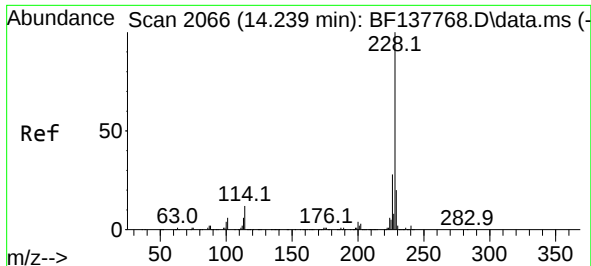
Ion Ratio Lower Upper

244 100

212 6.2 5.5 8.3

122 10.6 9.4 14.2

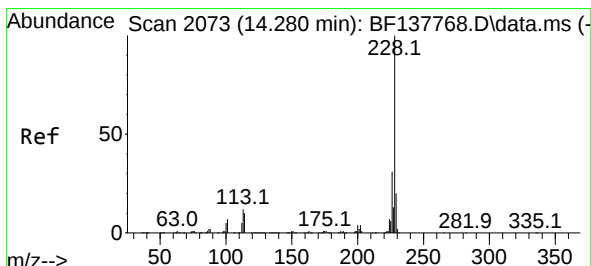
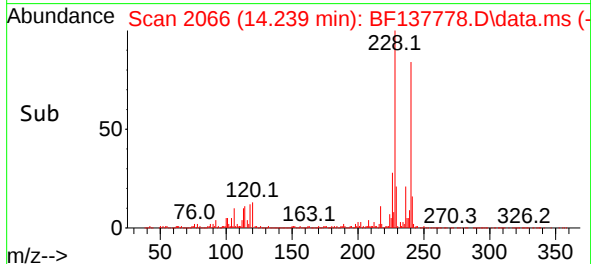
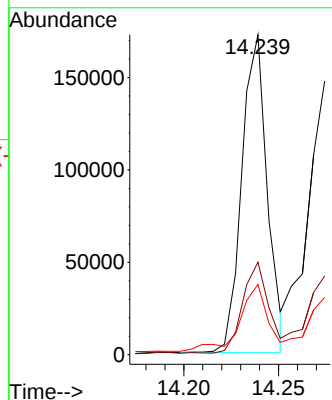
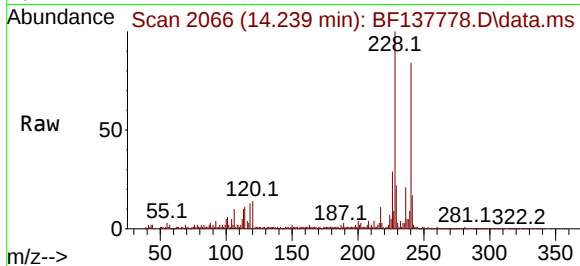




#81
Benzo(a)anthracene
Concen: 5.609 ng
RT: 14.239 min Scan# 2066
Delta R.T. 0.000 min
Lab File: BF137778.D
Acq: 30 Apr 2024 19:02

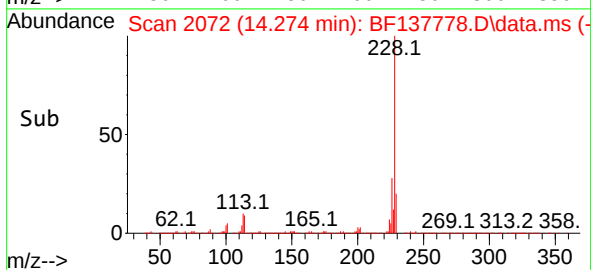
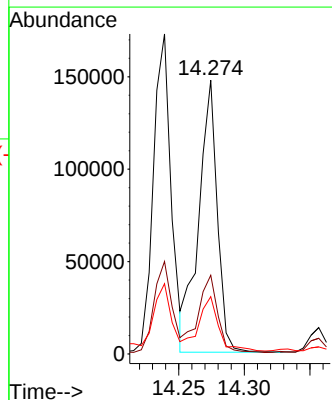
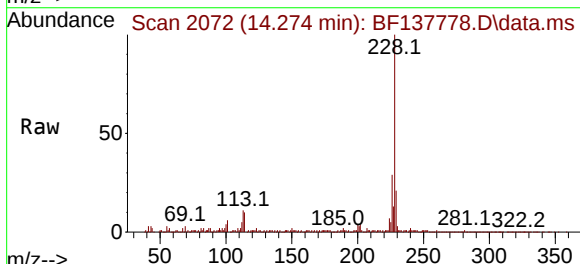
Instrument :
BNA_F
ClientSampleId :
SU-02-042924

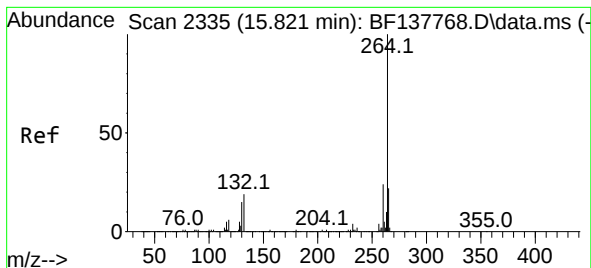
Tgt Ion:228 Resp: 160943
Ion Ratio Lower Upper
228 100
226 28.9 22.2 33.2
229 22.0 16.3 24.5



#83
Chrysene
Concen: 5.432 ng
RT: 14.274 min Scan# 2072
Delta R.T. -0.006 min
Lab File: BF137778.D
Acq: 30 Apr 2024 19:02

Tgt Ion:228 Resp: 145921
Ion Ratio Lower Upper
228 100
226 28.8 24.8 37.2
229 20.9 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.821 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF137778.D

Acq: 30 Apr 2024 19:02

Instrument :

BNA_F

ClientSampleId :

SU-02-042924

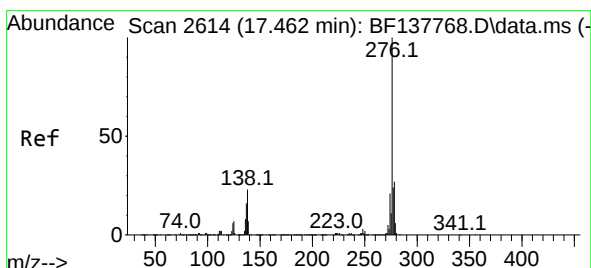
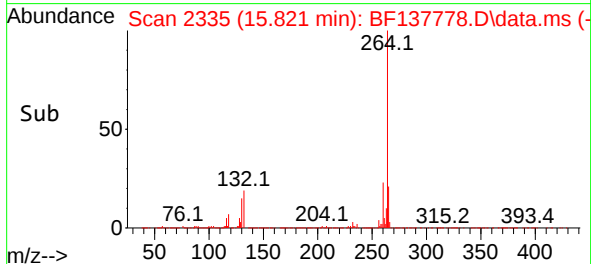
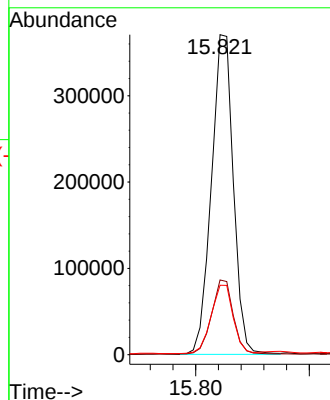
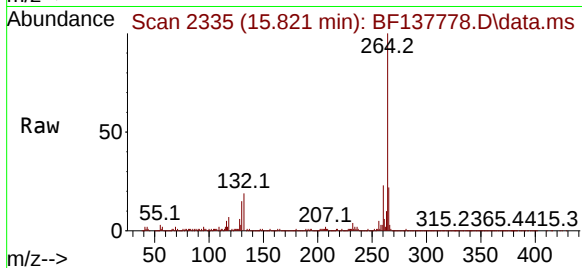
Tgt Ion:264 Resp: 497743

Ion Ratio Lower Upper

264 100

260 23.3 18.9 28.3

265 21.7 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.114 ng

RT: 17.451 min Scan# 2612

Delta R.T. -0.012 min

Lab File: BF137778.D

Acq: 30 Apr 2024 19:02

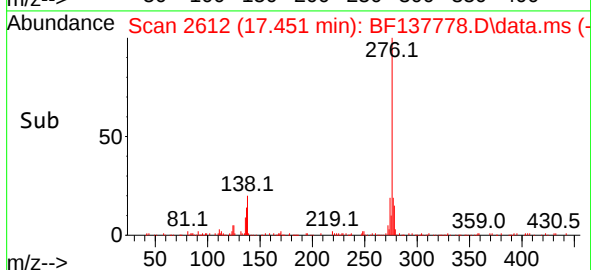
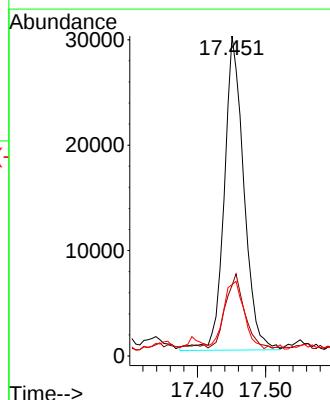
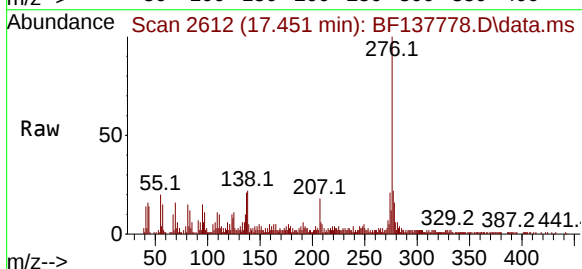
Tgt Ion:276 Resp: 59833

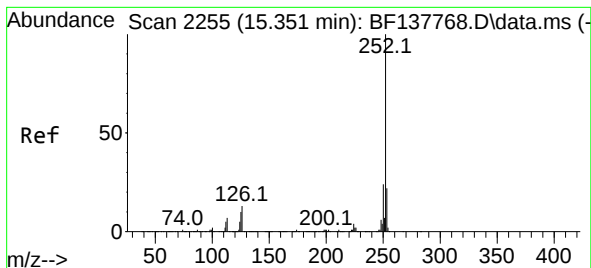
Ion Ratio Lower Upper

276 100

138 22.6 21.4 32.0

277 22.2 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 7.599 ng

RT: 15.345 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137778.D

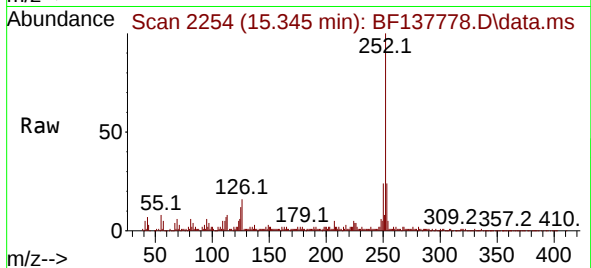
Acq: 30 Apr 2024 19:02

Instrument :

BNA_F

ClientSampleId :

SU-02-042924



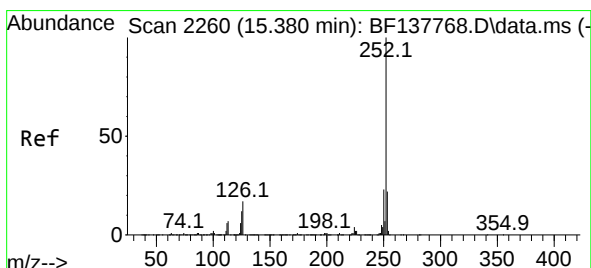
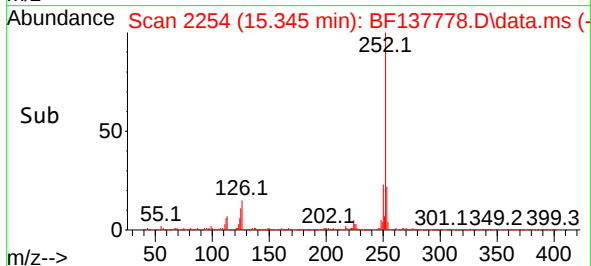
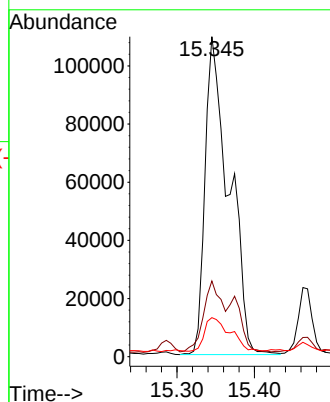
Tgt Ion:252 Resp: 235317

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 12.2 7.9 11.9#



#89

Benzo(k)fluoranthene

Concen: 7.862 ng

RT: 15.345 min Scan# 2254

Delta R.T. -0.035 min

Lab File: BF137778.D

Acq: 30 Apr 2024 19:02

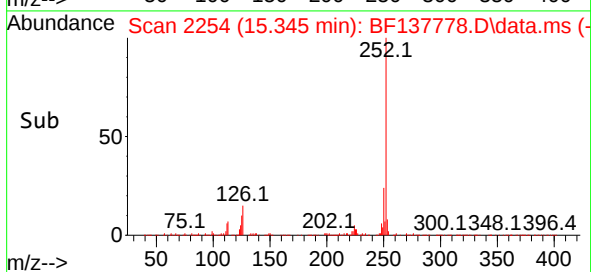
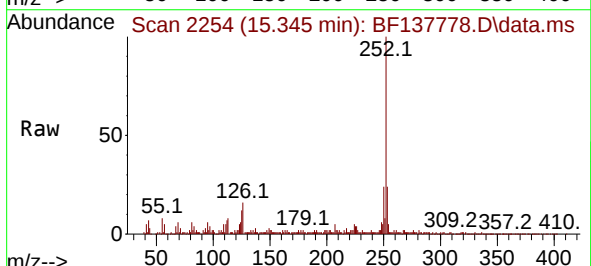
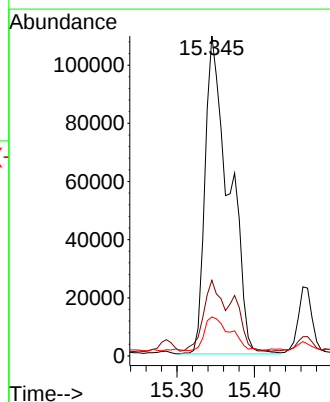
Tgt Ion:252 Resp: 235317

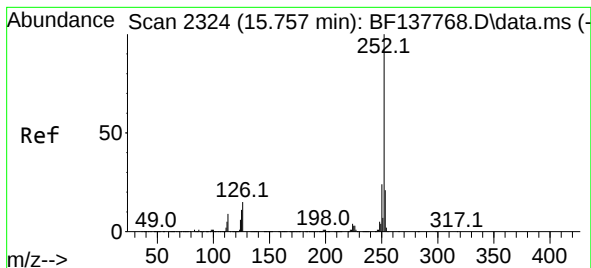
Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 12.2 9.0 13.4





#90

Benzo(a)pyrene

Concen: 4.860 ng

RT: 15.751 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137778.D

Acq: 30 Apr 2024 19:02

Instrument :

BNA_F

ClientSampleId :

SU-02-042924

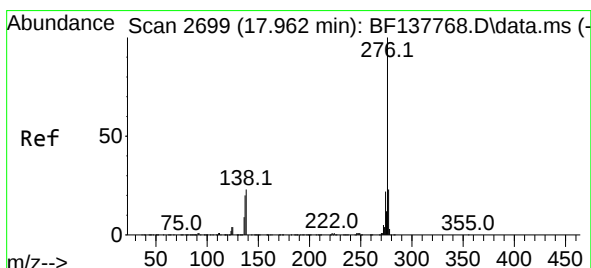
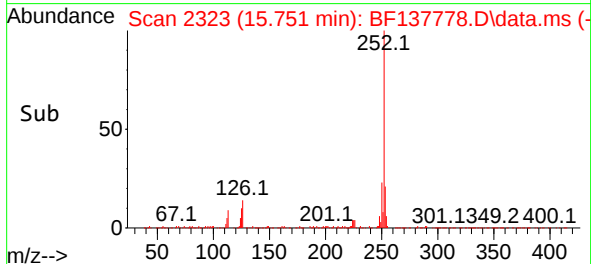
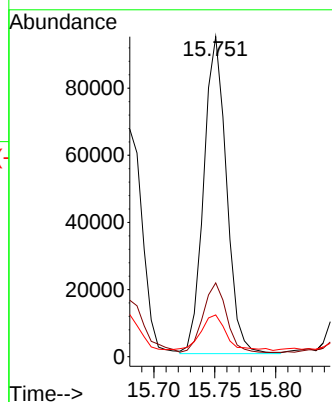
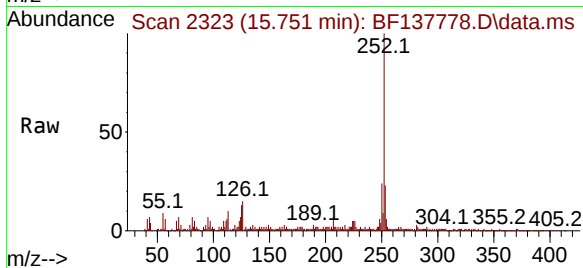
Tgt Ion:252 Resp: 122775

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

125 13.1 9.0 13.6



#92

Benzo(g,h,i)perylene

Concen: 2.124 ng

RT: 17.951 min Scan# 2697

Delta R.T. -0.012 min

Lab File: BF137778.D

Acq: 30 Apr 2024 19:02

Tgt Ion:276 Resp: 51294

Ion Ratio Lower Upper

276 100

277 25.8 18.0 27.0

138 23.9 18.1 27.1

