

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043024\
 Data File : BF137779.D
 Acq On : 30 Apr 2024 19:34
 Operator : CG\JU
 Sample : P2308-01 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 346

Quant Time: May 01 04:25:23 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)

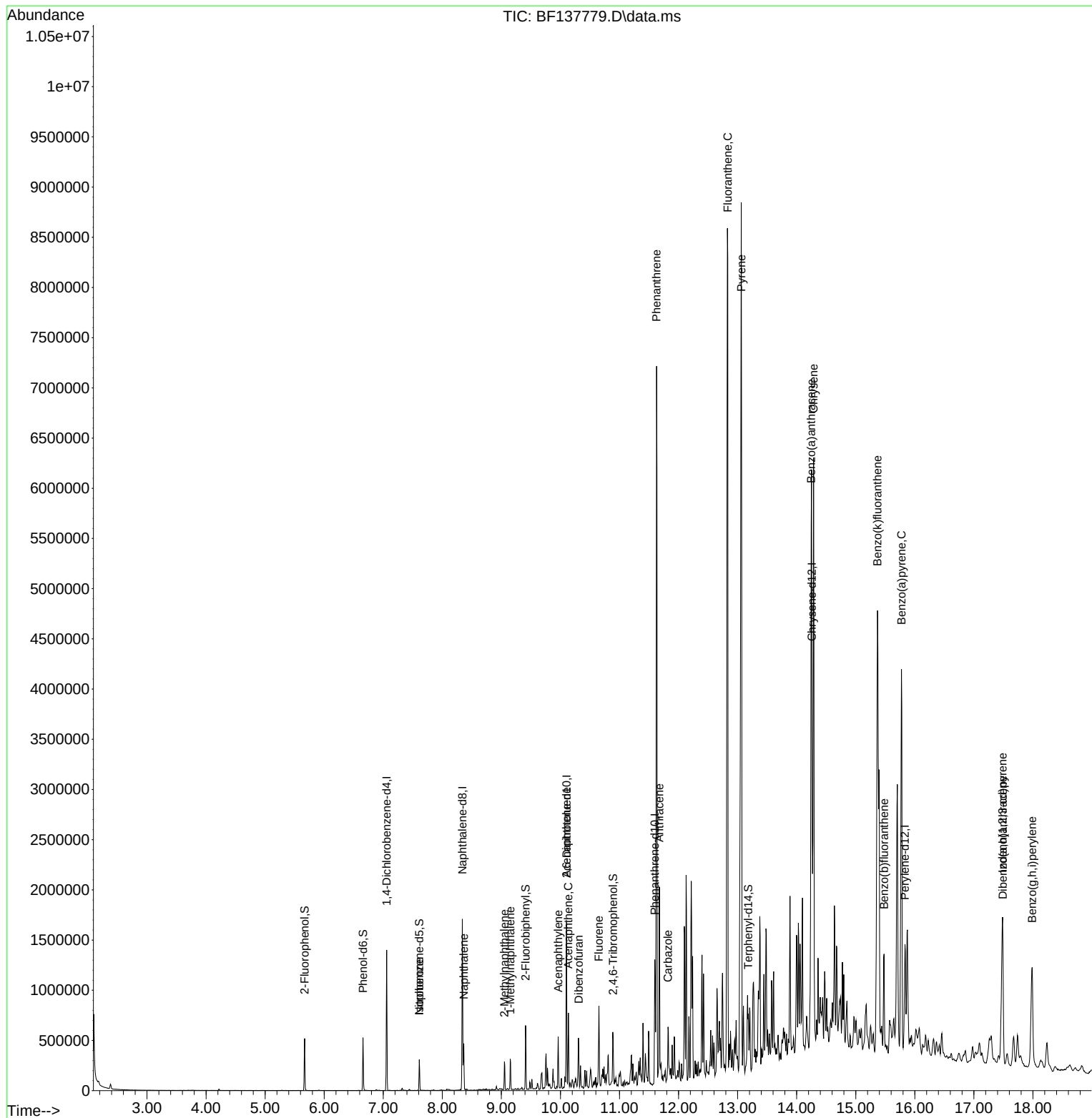
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.057	152	193276	20.000	ng	0.00
21) Naphthalene-d8	8.339	136	705277	20.000	ng	0.00
39) Acenaphthene-d10	10.104	164	330797	20.000	ng	0.00
64) Phenanthrene-d10	11.598	188	471263	20.000	ng	0.00
76) Chrysene-d12	14.257	240	406808	20.000	ng	0.00
86) Perylene-d12	15.833	264	494514	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.669	112	129479	11.216	ng	0.00
7) Phenol-d6	6.657	99	156143	10.664	ng	-0.02
23) Nitrobenzene-d5	7.610	82	84914	6.995	ng	-0.01
42) 2,4,6-Tribromophenol	10.892	330	28822	8.533	ng	0.00
45) 2-Fluorobiphenyl	9.410	172	183402	8.995	ng	-0.01
79) Terphenyl-d14	13.180	244	159823	6.584	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.610	82	84913	3.880	ng	# 64
31) Naphthalene	8.363	128	178080	5.081	ng	99
37) 2-Methylnaphthalene	9.051	142	73858	3.255	ng	99
38) 1-Methylnaphthalene	9.151	142	78970	3.538	ng	99
49) Acenaphthylene	9.963	152	176588	6.660	ng	98
51) 2,6-Dinitrotoluene	10.104	165	49510	10.374	ng	# 27
52) Acenaphthene	10.133	154	136112	7.745	ng	98
55) Dibenzofuran	10.310	168	154942	6.058	ng	95
58) Fluorene	10.651	166	202753	9.961	ng	100
71) Phenanthrene	11.627	178	2913124	126.822	ng	98
72) Anthracene	11.674	178	653815	28.607	ng	99
73) Carbazole	11.821	167	199262	9.046	ng	98
75) Fluoranthene	12.833	202	4335111	172.652	ng	98
78) Pyrene	13.063	202	4239487	131.437	ng	97
81) Benzo(a)anthracene	14.245	228	2319132	89.132	ng	97
83) Chrysene	14.286	228	2319189	95.195	ng	97
87) Indeno(1,2,3-cd)pyrene	17.486	276	1054145	37.495	ng	96
88) Benzo(b)fluoranthene	15.480	252	443981	14.430	ng	93
89) Benzo(k)fluoranthene	15.368	252	4079752	137.191	ng	98
90) Benzo(a)pyrene	15.774	252	2076474	82.725	ng	96
91) Dibenzo(a,h)anthracene	17.492	278	267895	11.706	ng	92
92) Benzo(g,h,i)perylene	17.986	276	900743	37.546	ng	97

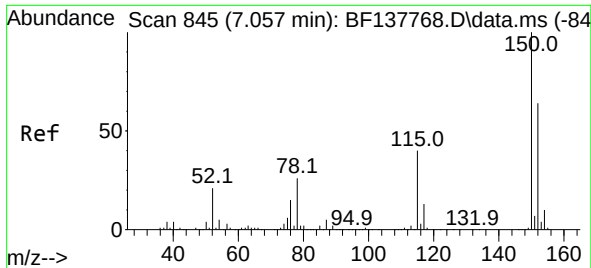
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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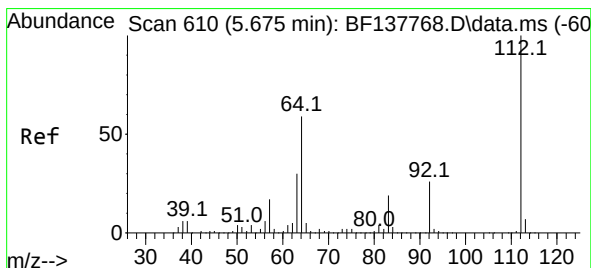
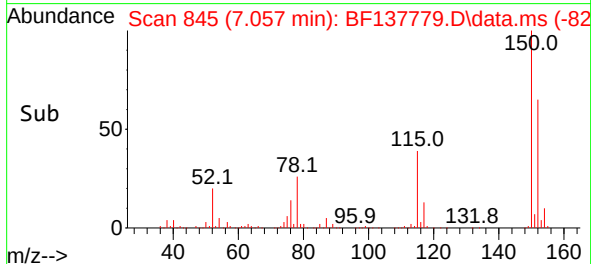
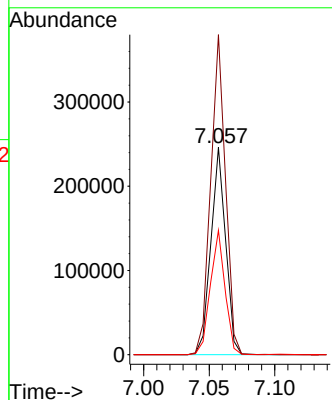
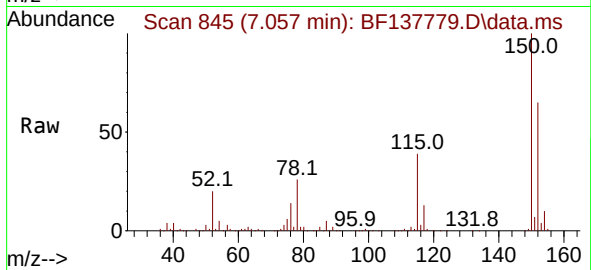




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.057 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34

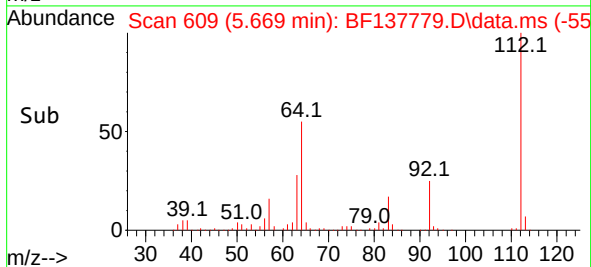
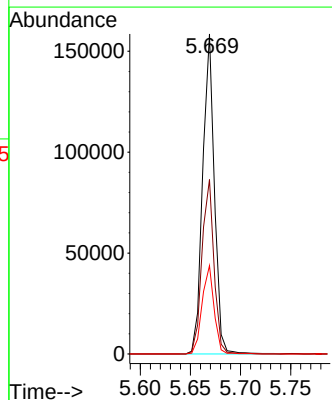
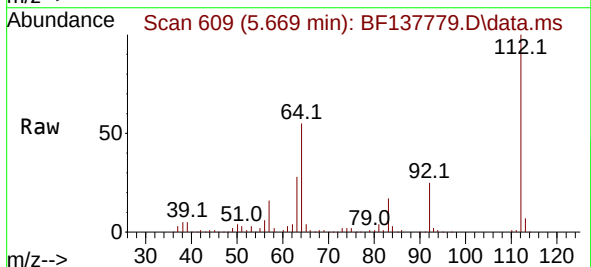
Instrument :
BNA_F
ClientSampleId :
346

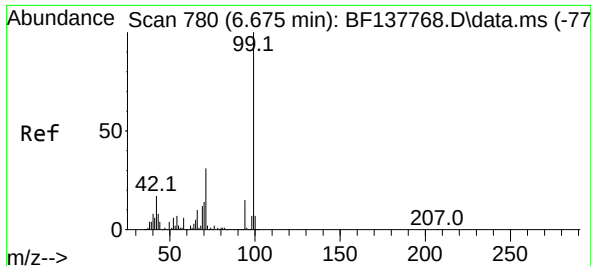
Tgt Ion:152 Resp: 193276
Ion Ratio Lower Upper
152 100
150 154.4 124.1 186.1
115 60.0 49.1 73.7



#5
2-Fluorophenol
Concen: 11.216 ng
RT: 5.669 min Scan# 609
Delta R.T. -0.006 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34

Tgt Ion:112 Resp: 129479
Ion Ratio Lower Upper
112 100
64 54.5 47.3 70.9
63 27.6 23.7 35.5





#7

Phenol-d6

Concen: 10.664 ng

RT: 6.657 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

Instrument :

BNA_F

ClientSampleId :

346

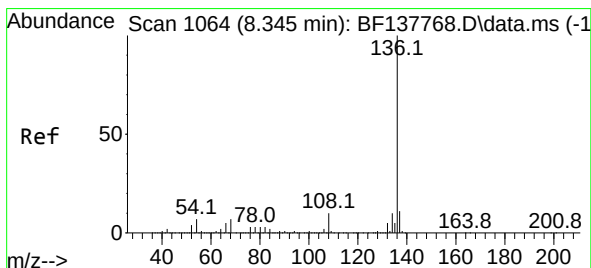
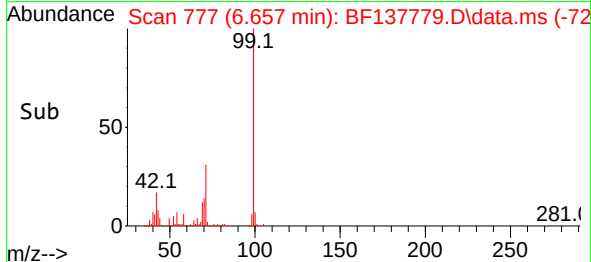
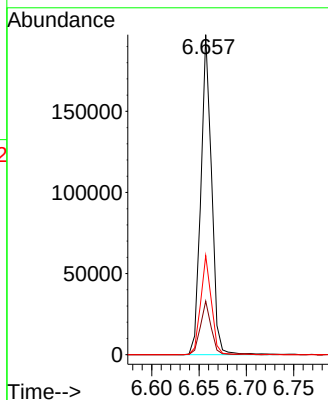
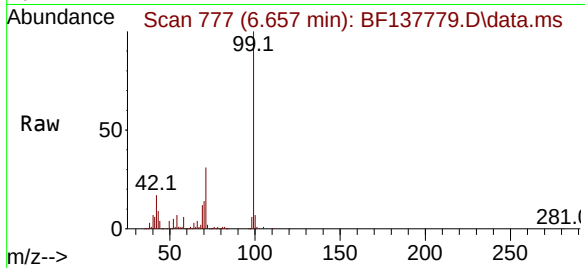
Tgt Ion: 99 Resp: 156143

Ion Ratio Lower Upper

99 100

42 16.8 13.2 19.8

71 31.0 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: BF137779.D

Acq: 30 Apr 2024 19:34

Tgt Ion: 136 Resp: 705277

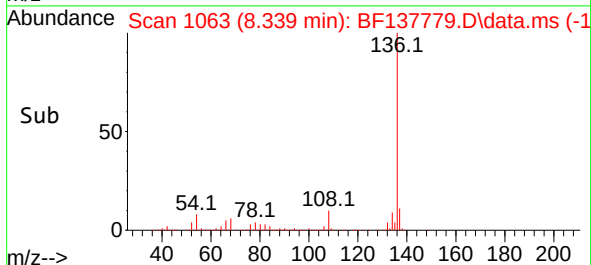
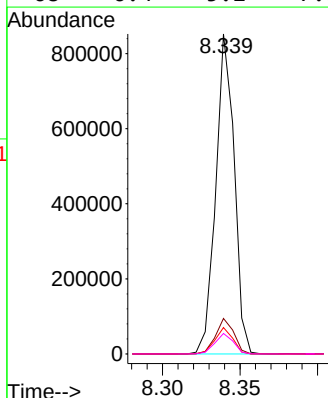
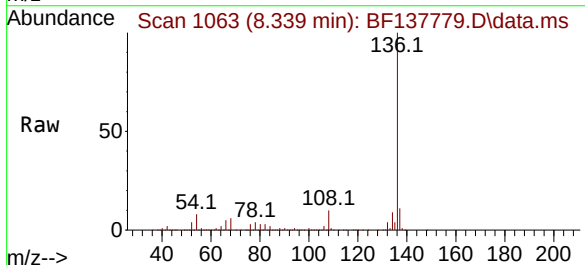
Ion Ratio Lower Upper

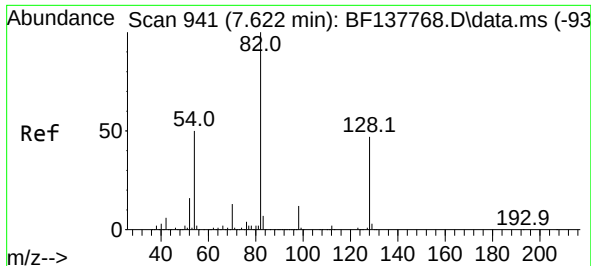
136 100

137 11.1 8.8 13.2

54 8.3 5.8 8.8

68 6.4 5.2 7.8

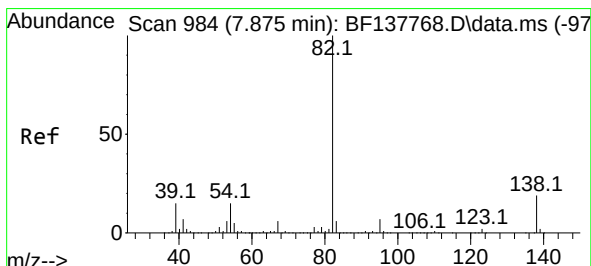
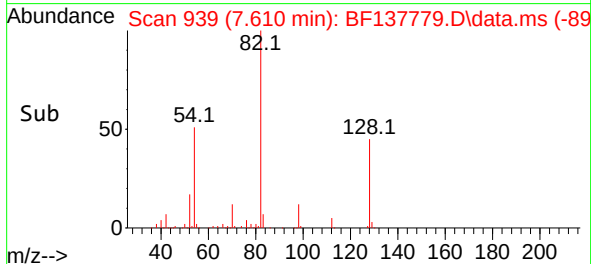
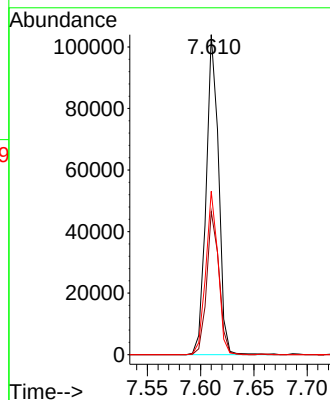
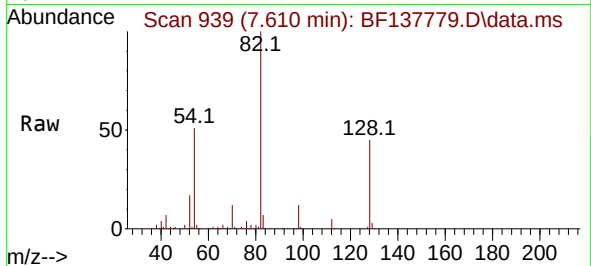




#23
Nitrobenzene-d5
Concen: 6.995 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34

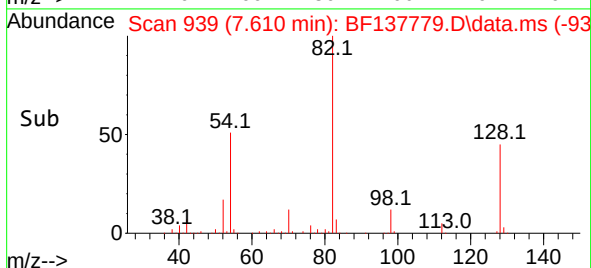
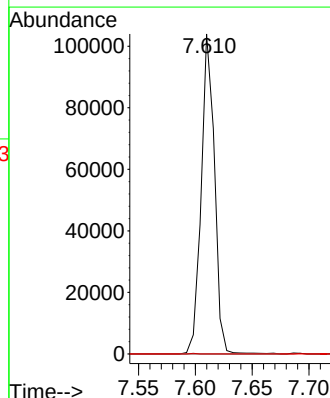
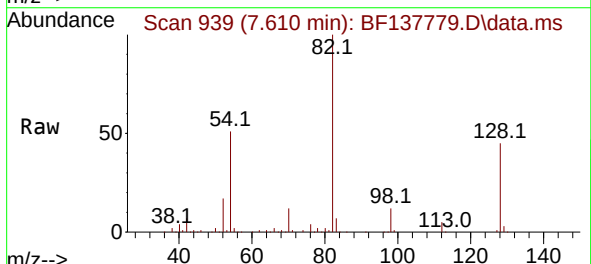
Instrument :
BNA_F
ClientSampleId :
346

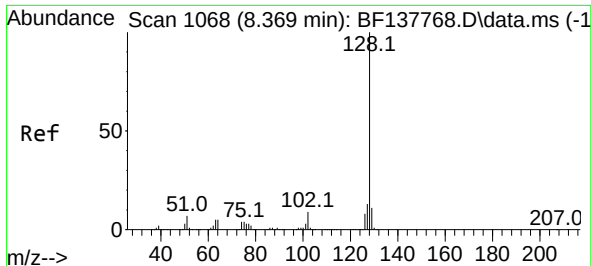
Tgt Ion: 82 Resp: 84914
Ion Ratio Lower Upper
82 100
128 44.7 37.5 56.3
54 51.0 39.8 59.6



#25
Isophorone
Concen: 3.880 ng
RT: 7.610 min Scan# 939
Delta R.T. -0.265 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34

Tgt Ion: 82 Resp: 84913
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.0 22.6#

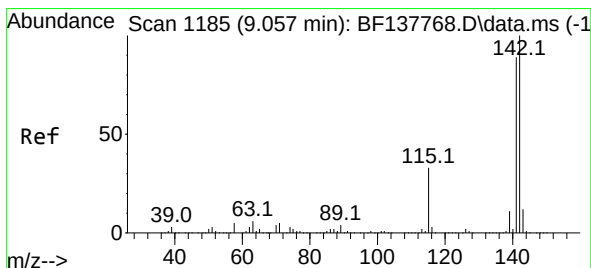
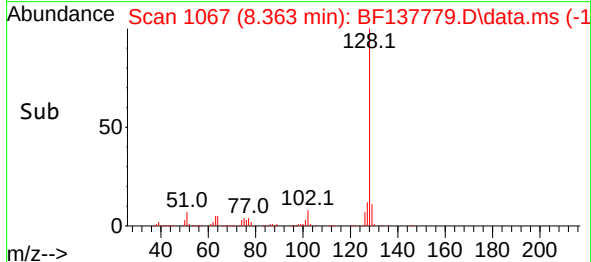
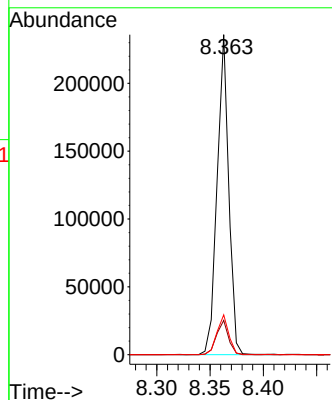
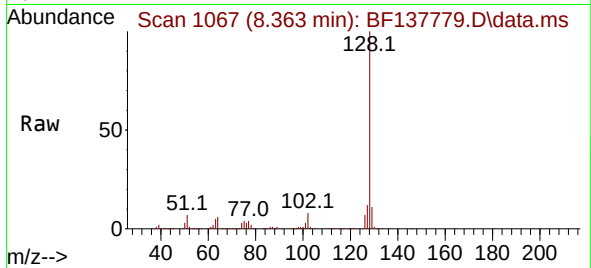




#31
Naphthalene
Concen: 5.081 ng
RT: 8.363 min Scan# 110
Delta R.T. -0.006 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34

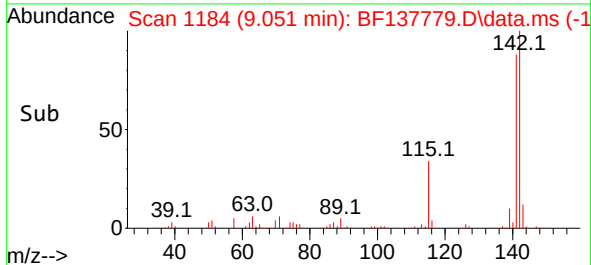
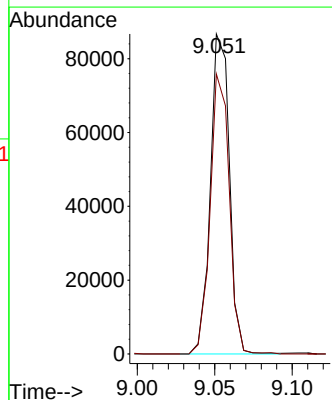
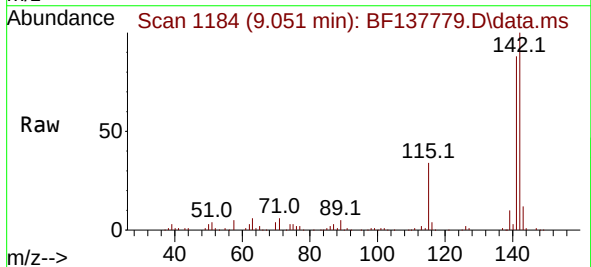
Instrument :
BNA_F
ClientSampleId :
346

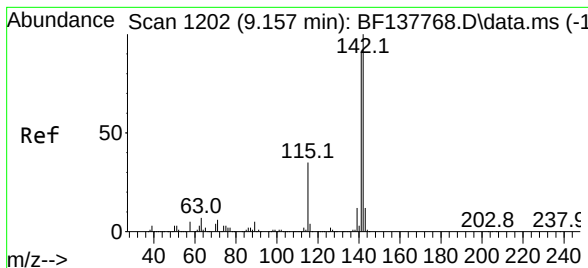
Tgt Ion:128 Resp: 178080
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 12.5 10.6 16.0



#37
2-Methylnaphthalene
Concen: 3.255 ng
RT: 9.051 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34

Tgt Ion:142 Resp: 73858
Ion Ratio Lower Upper
142 100
141 87.5 70.8 106.2





#38

1-Methylnaphthalene

Concen: 3.538 ng

RT: 9.151 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

Instrument :

BNA_F

ClientSampleId :

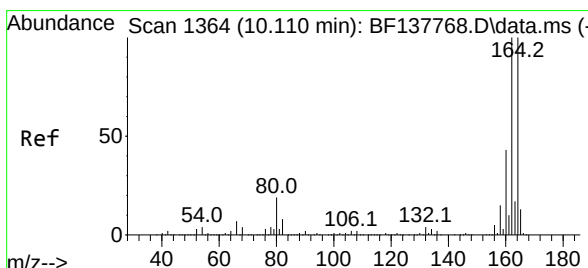
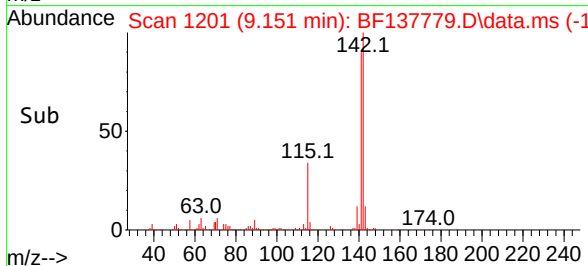
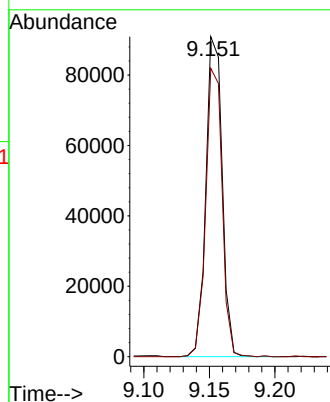
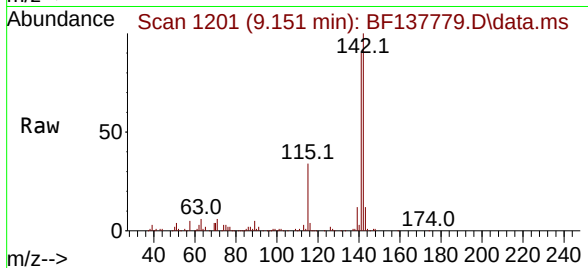
346

Tgt Ion:142 Resp: 78970

Ion Ratio Lower Upper

142 100

141 90.1 73.1 109.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.104 min Scan# 1363

Delta R.T. -0.006 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

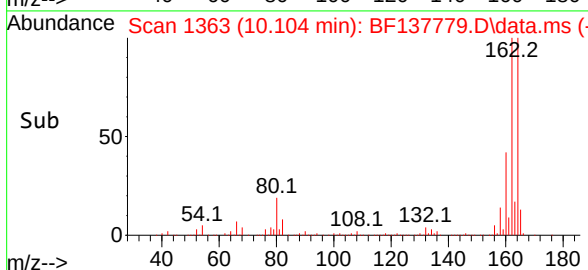
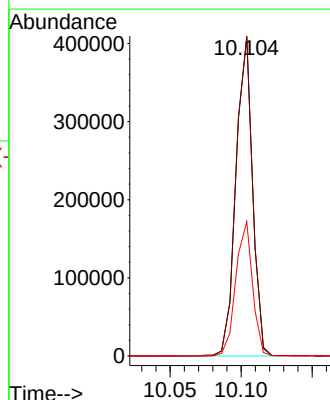
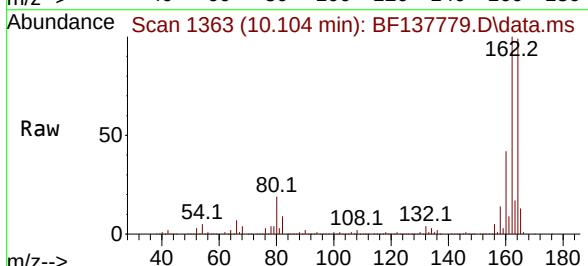
Tgt Ion:164 Resp: 330797

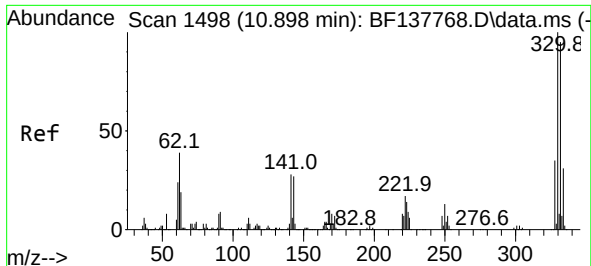
Ion Ratio Lower Upper

164 100

162 100.5 79.8 119.6

160 42.2 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 8.533 ng

RT: 10.892 min Scan# 1498

Delta R.T. -0.006 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

Instrument :

BNA_F

ClientSampleId :

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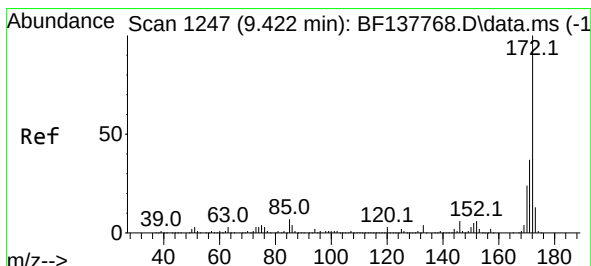
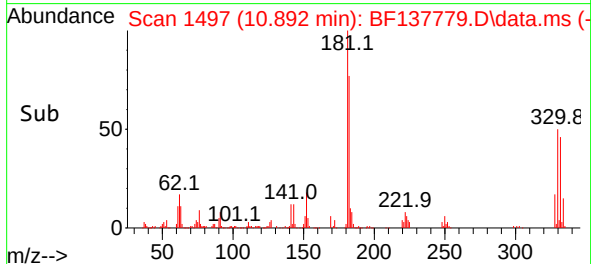
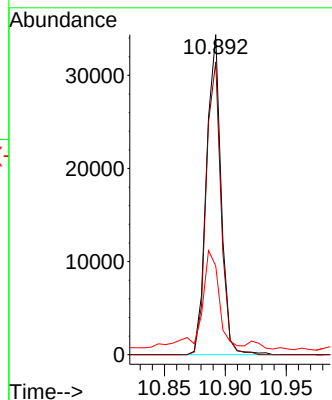
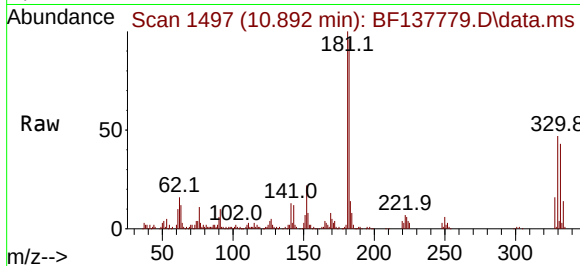
Tgt Ion:330 Resp: 28822

Ion Ratio Lower Upper

330 100

332 92.3 77.3 115.9

141 39.4 23.8 35.6#



#45

2-Fluorobiphenyl

Concen: 8.995 ng

RT: 9.410 min Scan# 1245

Delta R.T. -0.012 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

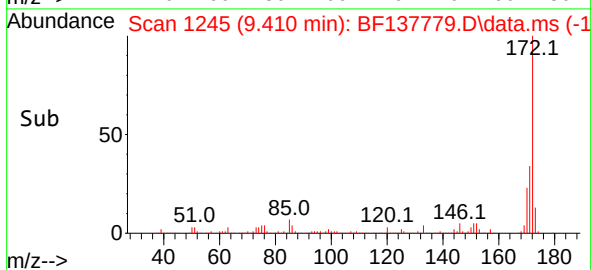
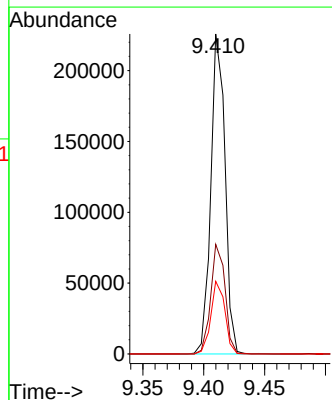
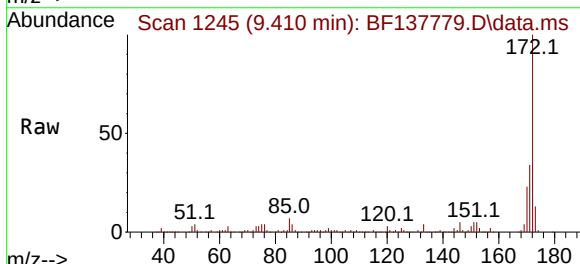
Tgt Ion:172 Resp: 183402

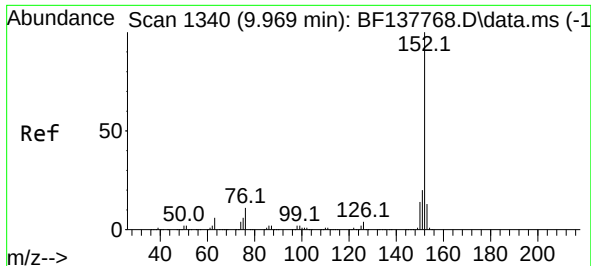
Ion Ratio Lower Upper

172 100

171 34.2 29.6 44.4

170 22.7 19.4 29.2





#49

Acenaphthylene

Concen: 6.660 ng

RT: 9.963 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

Instrument :

BNA_F

ClientSampleId :

346

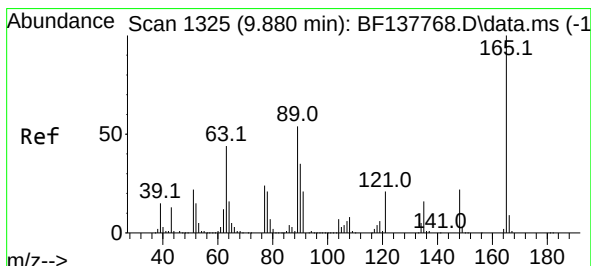
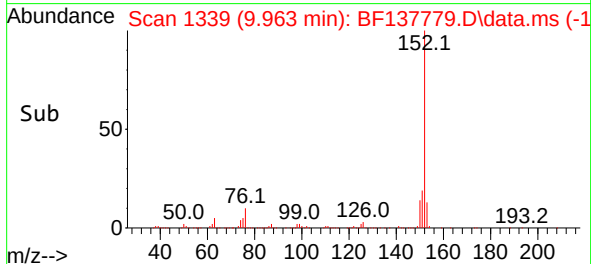
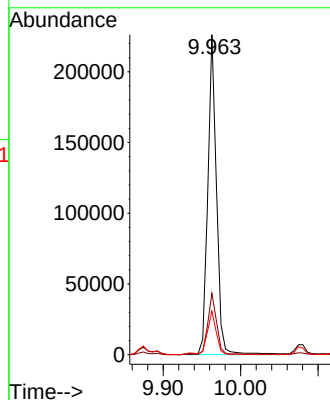
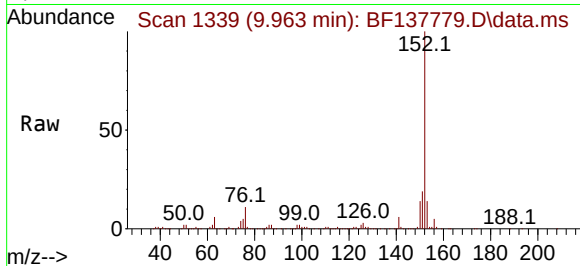
Tgt Ion:152 Resp: 176588

Ion Ratio Lower Upper

152 100

151 19.2 16.2 24.4

153 13.6 10.8 16.2



#51

2,6-Dinitrotoluene

Concen: 10.374 ng

RT: 10.104 min Scan# 1363

Delta R.T. 0.223 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

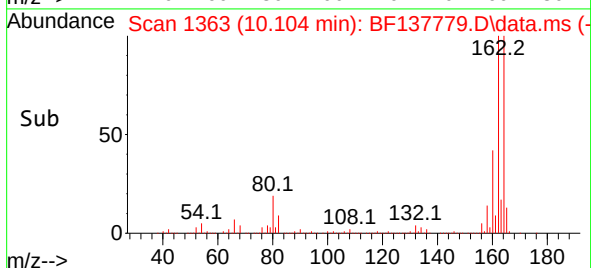
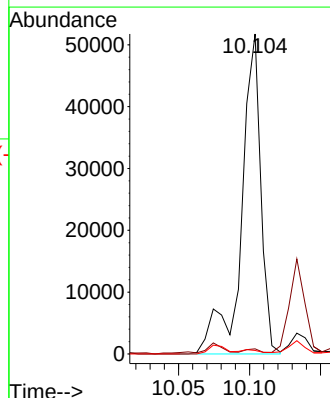
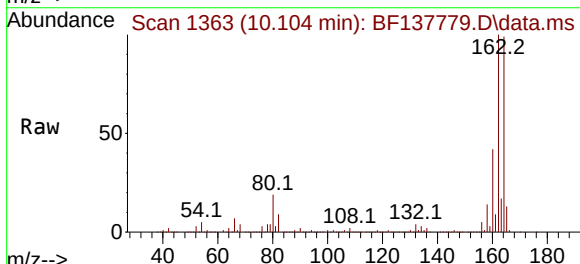
Tgt Ion:165 Resp: 49510

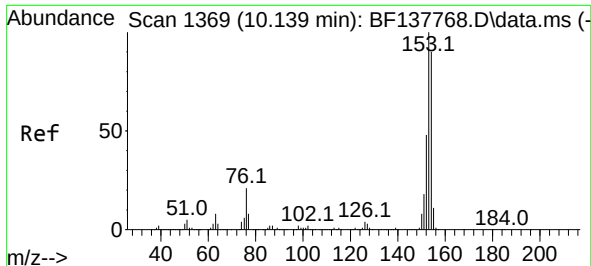
Ion Ratio Lower Upper

165 100

63 1.6 41.9 62.9#

89 1.1 43.2 64.8#

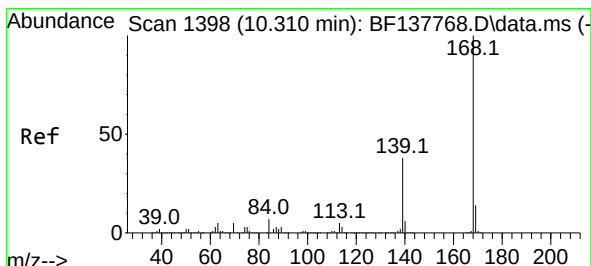
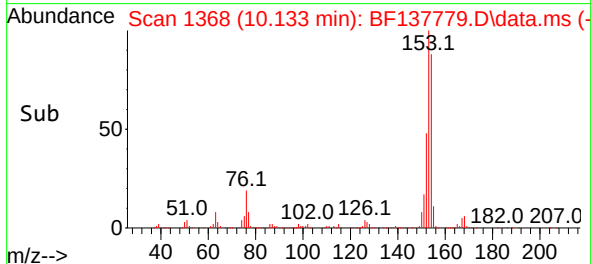
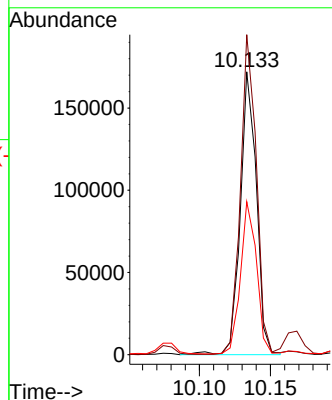
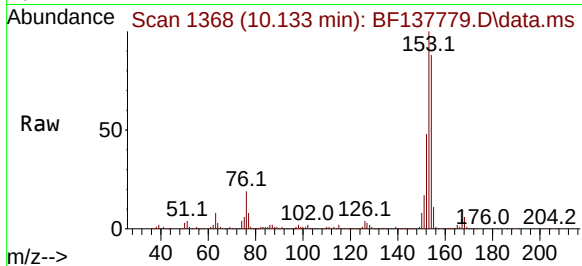




#52
Acenaphthene
Concen: 7.745 ng
RT: 10.133 min Scan# 1368
Delta R.T. -0.006 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34

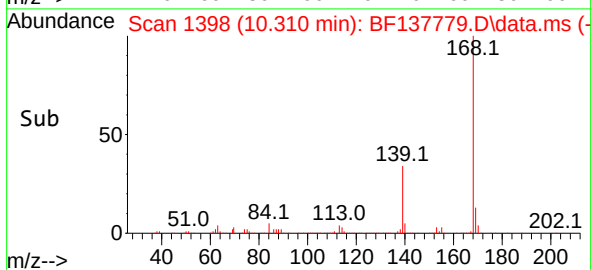
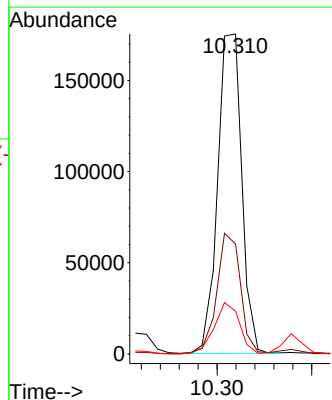
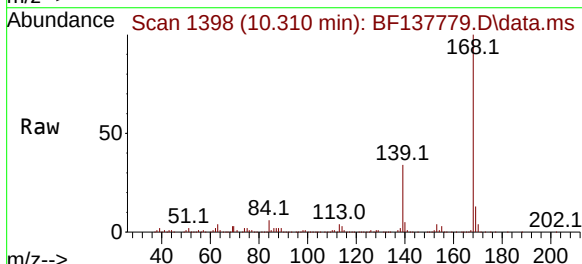
Instrument :
BNA_F
ClientSampleId :
346

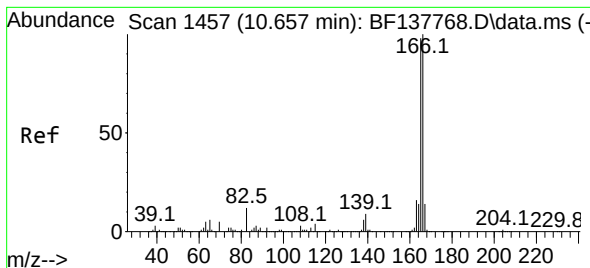
Tgt Ion:154 Resp: 136112
Ion Ratio Lower Upper
154 100
153 113.1 88.7 133.1
152 54.1 42.8 64.2



#55
Dibenzofuran
Concen: 6.058 ng
RT: 10.310 min Scan# 1398
Delta R.T. -0.000 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34

Tgt Ion:168 Resp: 154942
Ion Ratio Lower Upper
168 100
139 34.4 30.2 45.4
169 13.4 11.4 17.0





#58

Fluorene

Concen: 9.961 ng

RT: 10.651 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

Instrument :

BNA_F

ClientSampleId :

346

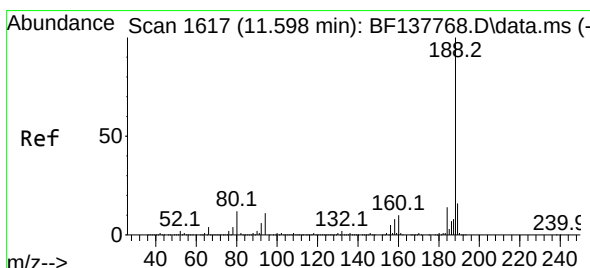
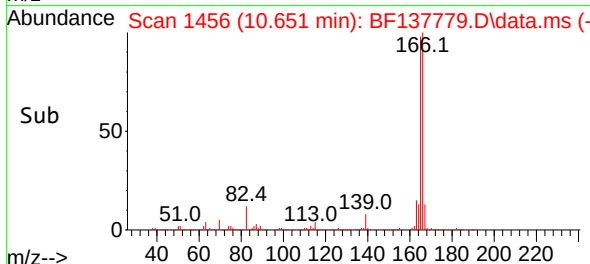
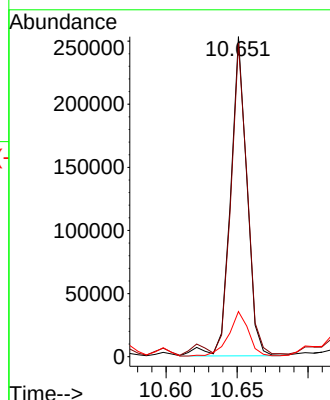
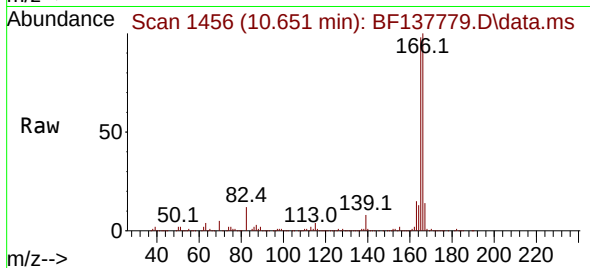
Tgt Ion:166 Resp: 202753

Ion Ratio Lower Upper

166 100

165 98.0 78.2 117.2

167 14.1 10.9 16.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.598 min Scan# 1617

Delta R.T. -0.000 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

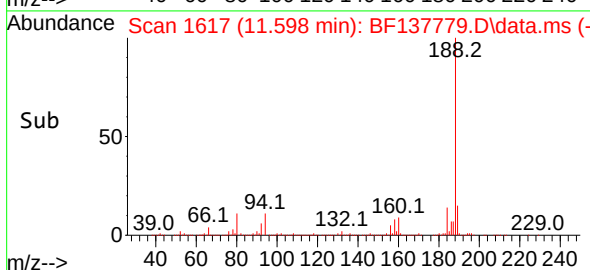
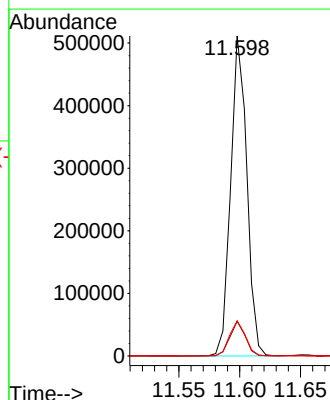
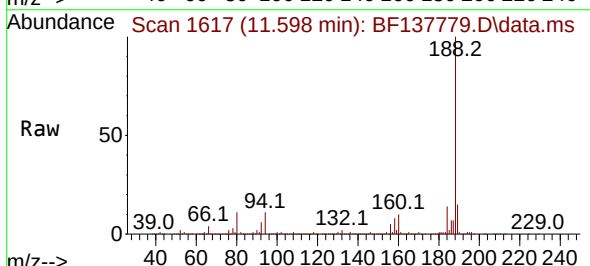
Tgt Ion:188 Resp: 471263

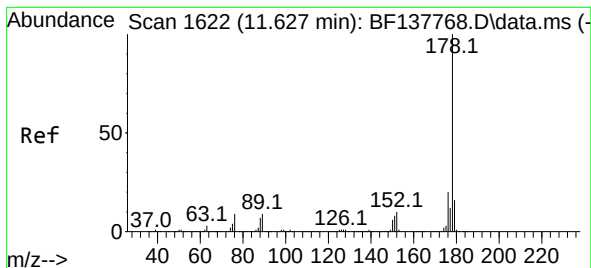
Ion Ratio Lower Upper

188 100

94 10.8 8.8 13.2

80 11.0 9.6 14.4





#71

Phenanthrene

Concen: 126.822 ng

RT: 11.627 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

Instrument :

BNA_F

ClientSampleId :

346

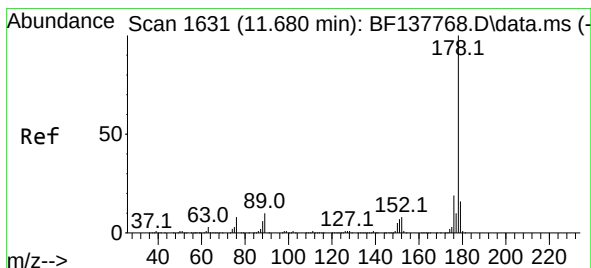
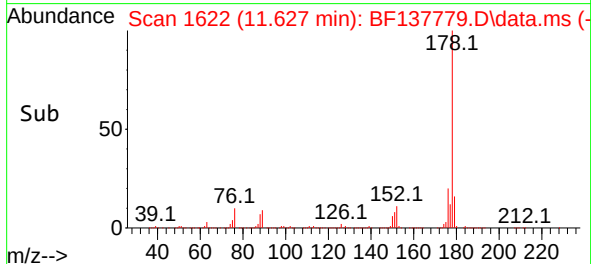
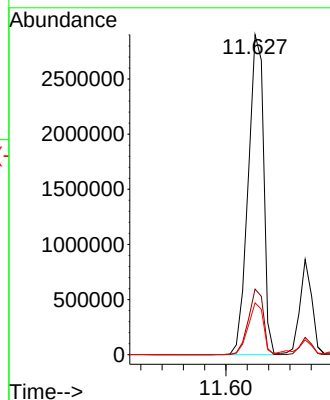
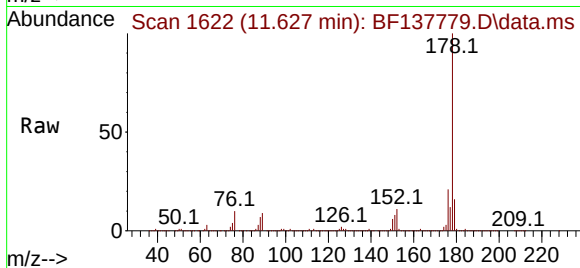
Tgt Ion:178 Resp: 2913124

Ion Ratio Lower Upper

178 100

176 20.5 15.8 23.6

179 16.2 12.5 18.7



#72

Anthracene

Concen: 28.607 ng

RT: 11.674 min Scan# 1630

Delta R.T. -0.006 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

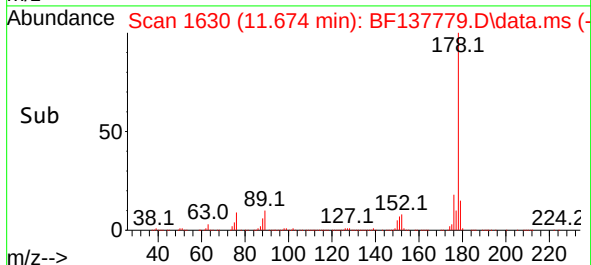
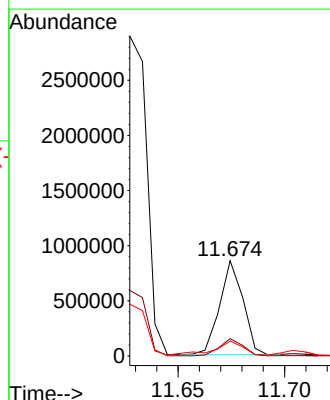
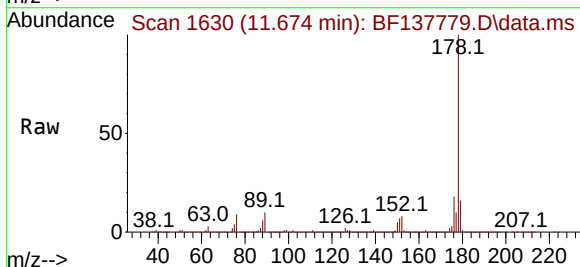
Tgt Ion:178 Resp: 653815

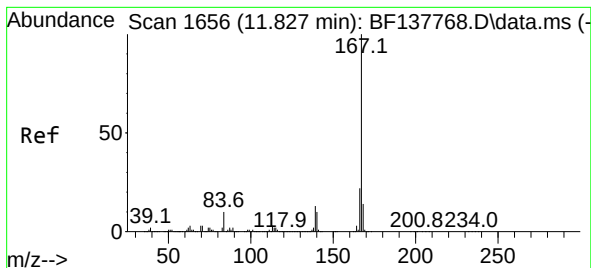
Ion Ratio Lower Upper

178 100

176 18.2 15.2 22.8

179 15.6 12.6 18.8





#73

Carbazole

Concen: 9.046 ng

RT: 11.821 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

Instrument :

BNA_F

ClientSampleId :

346

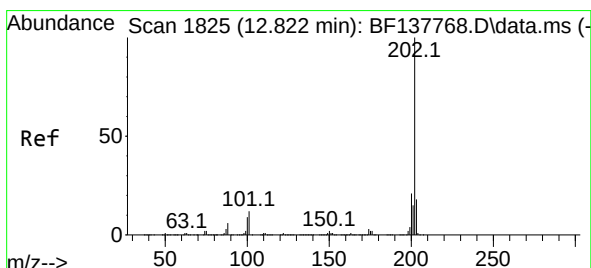
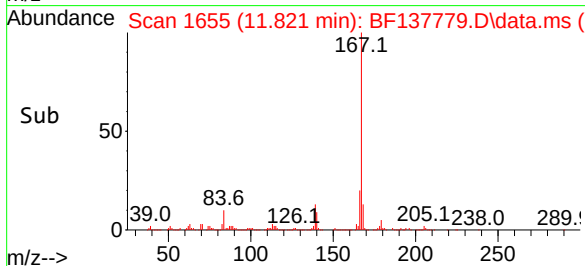
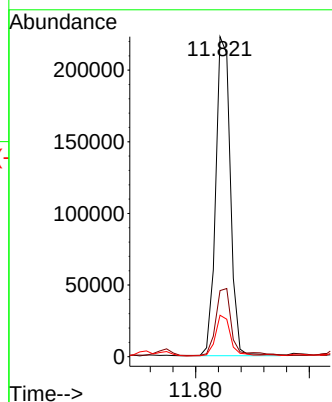
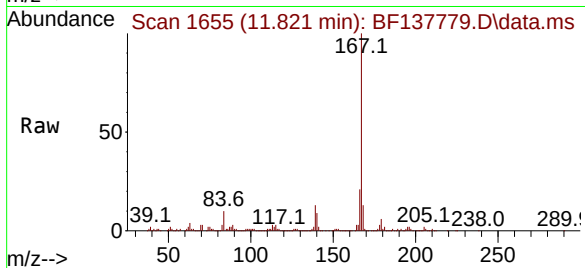
Tgt Ion:167 Resp: 199262

Ion Ratio Lower Upper

167 100

166 20.7 17.6 26.4

139 12.9 10.5 15.7



#75

Fluoranthene

Concen: 172.652 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.012 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

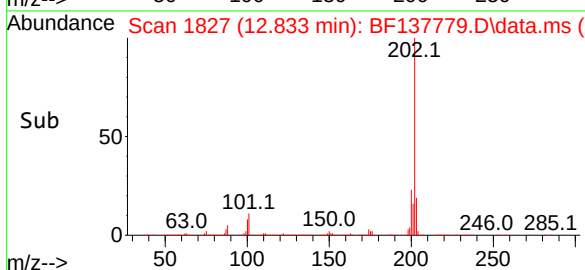
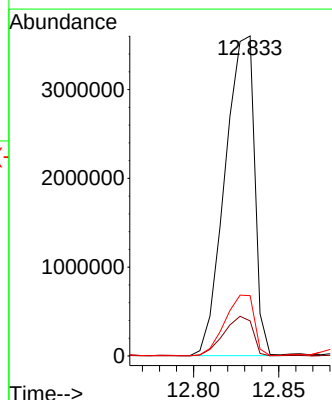
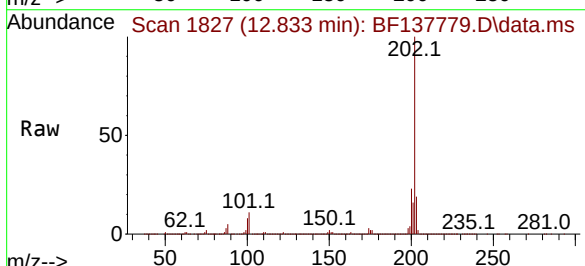
Tgt Ion:202 Resp: 4335111

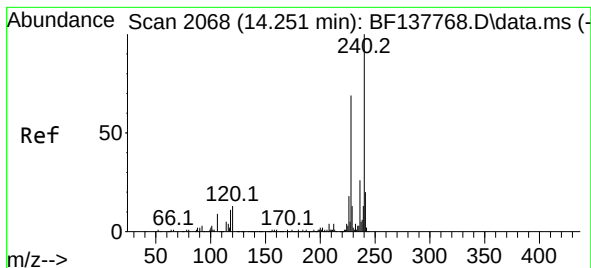
Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.8

203 18.8 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.257 min Scan# 2068

Delta R.T. 0.006 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

Instrument :

BNA_F

ClientSampleId :

346

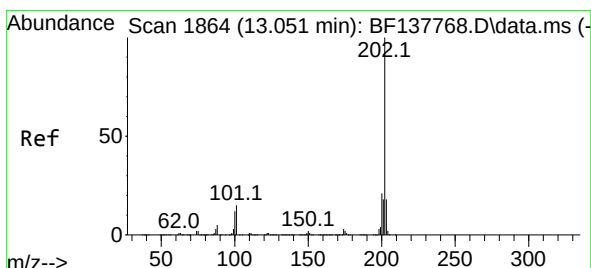
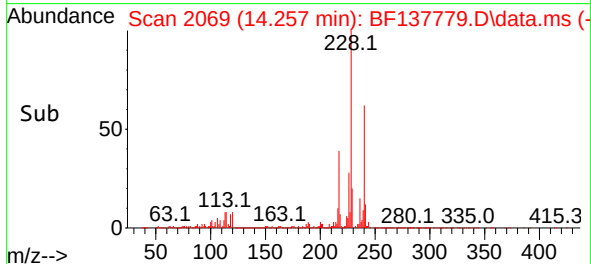
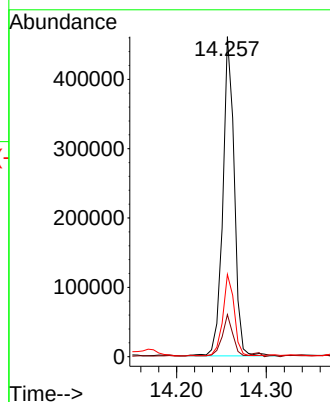
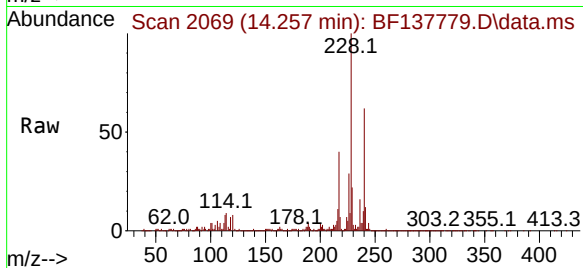
Tgt Ion:240 Resp: 406808

Ion Ratio Lower Upper

240 100

120 13.1 10.4 15.6

236 25.7 20.4 30.6



#78

Pyrene

Concen: 131.437 ng

RT: 13.063 min Scan# 1866

Delta R.T. 0.012 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

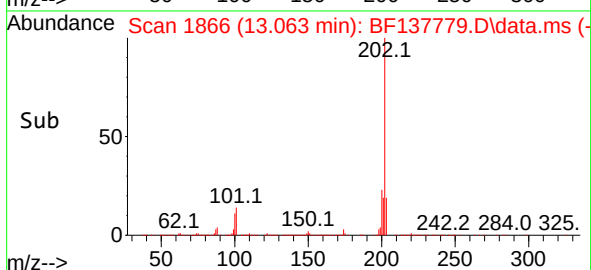
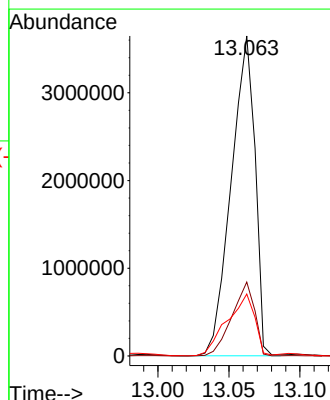
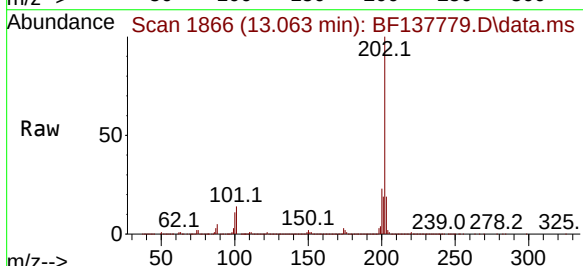
Tgt Ion:202 Resp: 4239487

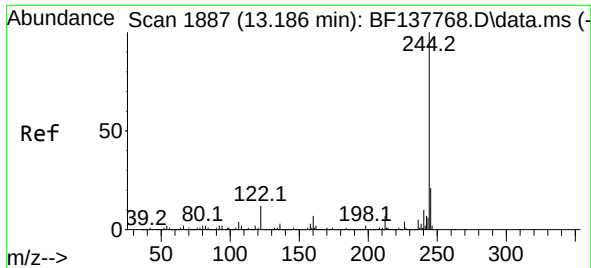
Ion Ratio Lower Upper

202 100

200 23.1 17.2 25.8

203 19.3 14.4 21.6

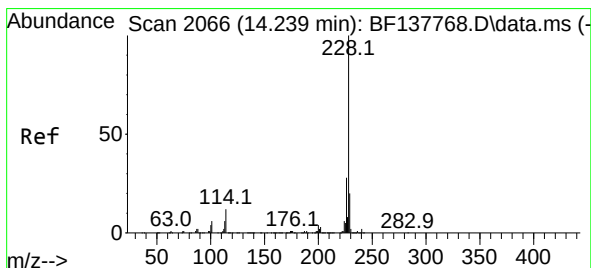
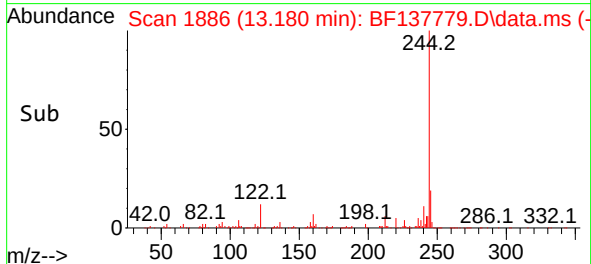
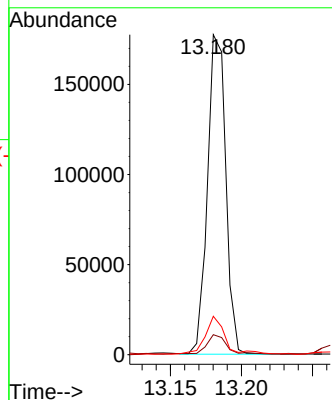
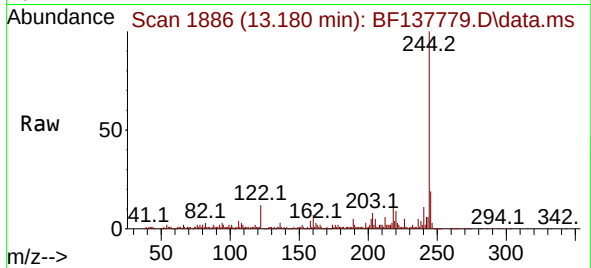




#79
Terphenyl-d14
Concen: 6.584 ng
RT: 13.180 min Scan# 1886
Delta R.T. -0.006 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34

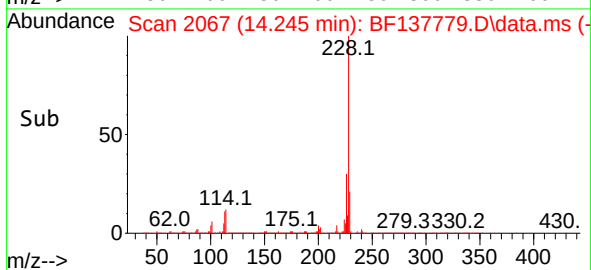
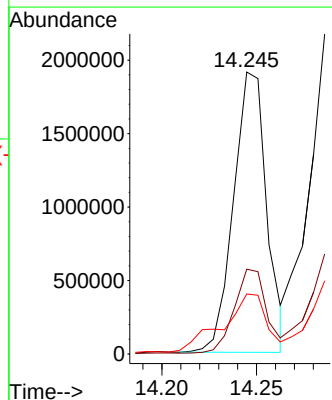
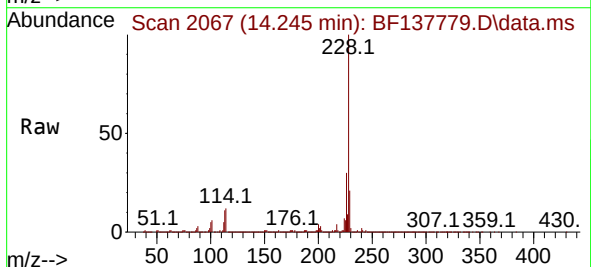
Instrument :
BNA_F
ClientSampleId :
346

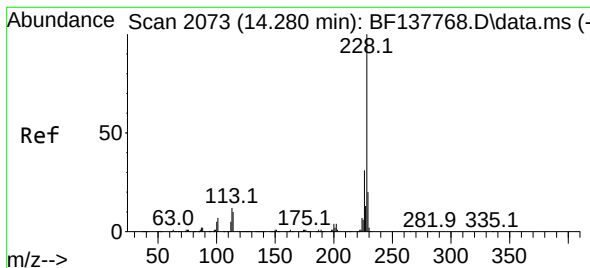
Tgt Ion:244 Resp: 159823
Ion Ratio Lower Upper
244 100
212 6.3 5.5 8.3
122 12.0 9.4 14.2



#81
Benzo(a)anthracene
Concen: 89.132 ng
RT: 14.245 min Scan# 2067
Delta R.T. 0.006 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34

Tgt Ion:228 Resp: 2319132
Ion Ratio Lower Upper
228 100
226 30.1 22.2 33.2
229 21.3 16.3 24.5





#83

Chrysene

Concen: 95.195 ng

RT: 14.286 min Scan# 2073

Delta R.T. 0.006 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

Instrument :

BNA_F

ClientSampleId :

346

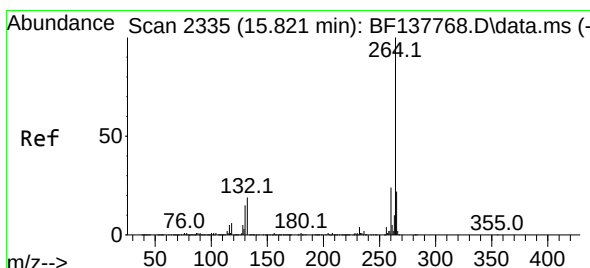
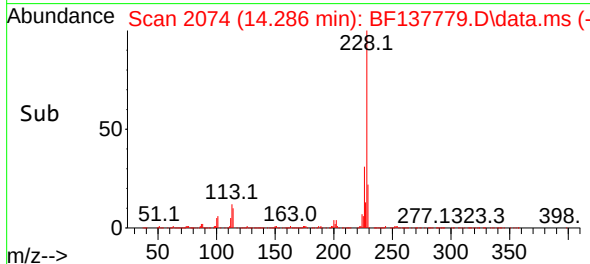
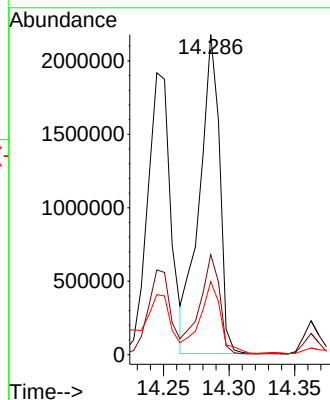
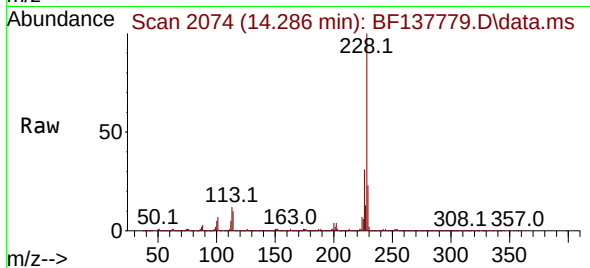
Tgt Ion:228 Resp: 2319189

Ion Ratio Lower Upper

228 100

226 31.3 24.8 37.2

229 22.9 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.833 min Scan# 2337

Delta R.T. 0.012 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

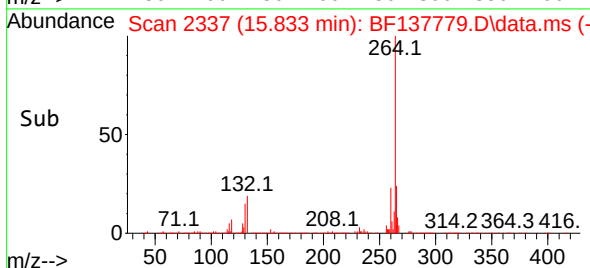
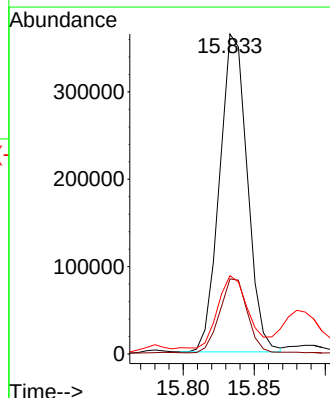
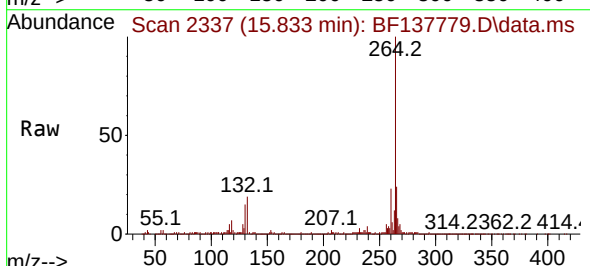
Tgt Ion:264 Resp: 494514

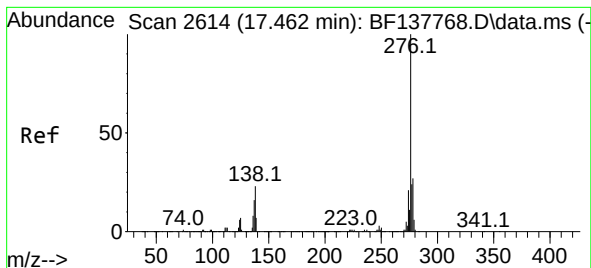
Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

265 24.4 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 37.495 ng

RT: 17.486 min Scan# 2

Delta R.T. 0.023 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

Instrument :

BNA_F

ClientSampleId :

346

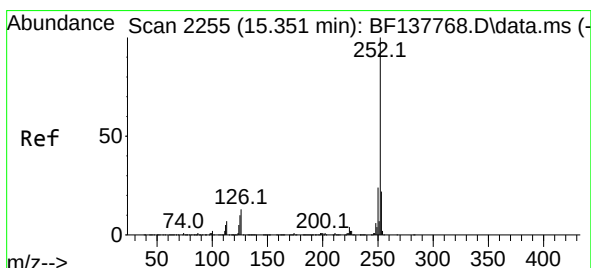
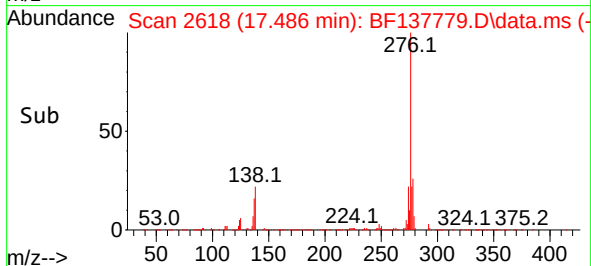
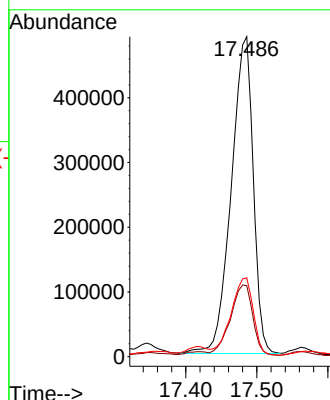
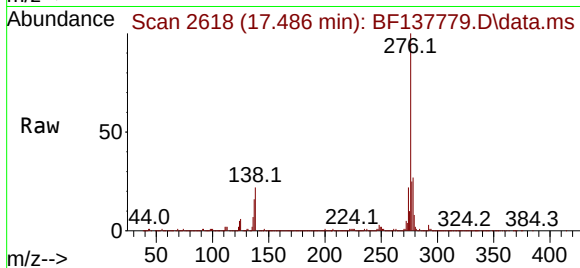
Tgt Ion:276 Resp: 1054145

Ion Ratio Lower Upper

276 100

138 22.6 21.4 32.0

277 25.0 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 14.430 ng

RT: 15.480 min Scan# 2277

Delta R.T. 0.129 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

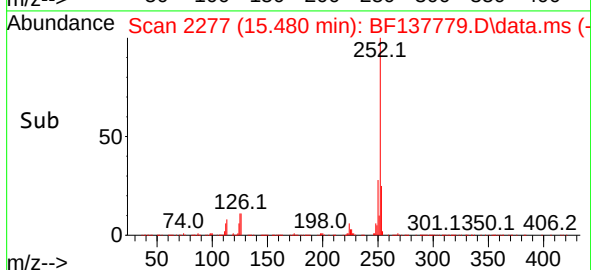
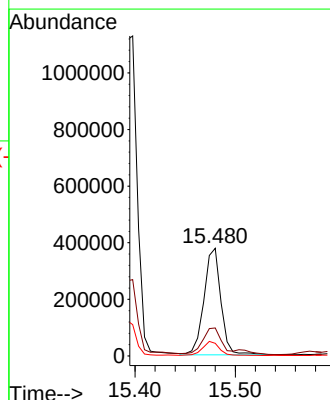
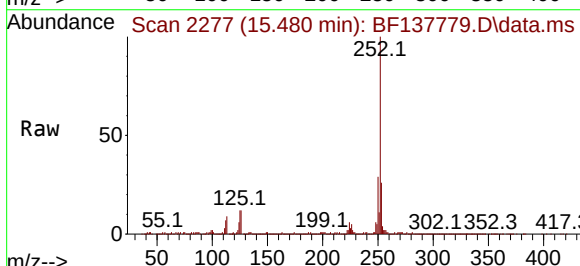
Tgt Ion:252 Resp: 443981

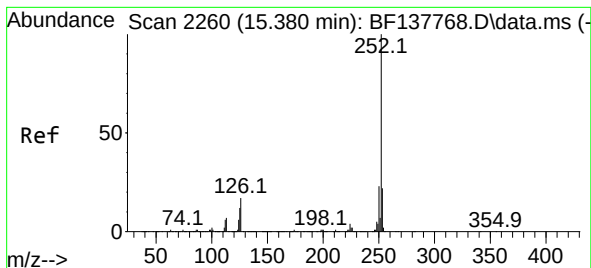
Ion Ratio Lower Upper

252 100

253 26.0 17.5 26.3

125 11.7 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 137.191 ng

RT: 15.368 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

Instrument :

BNA_F

ClientSampleId :

346

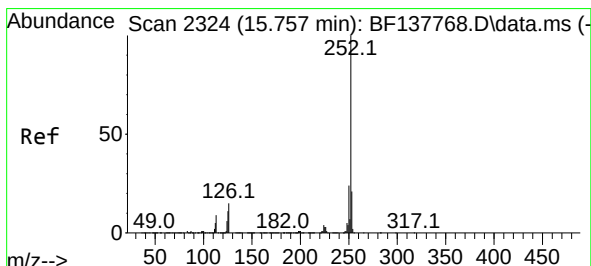
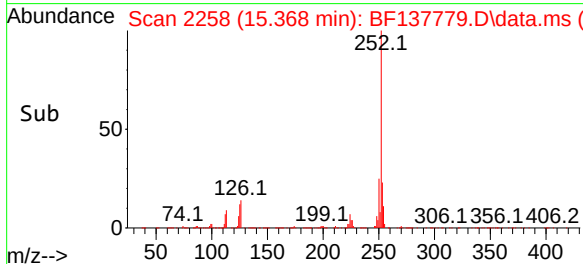
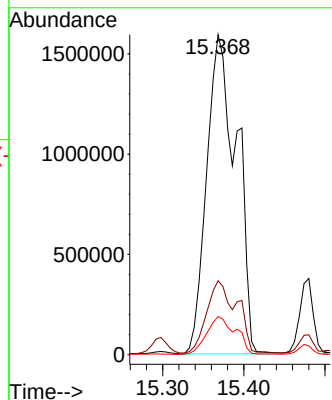
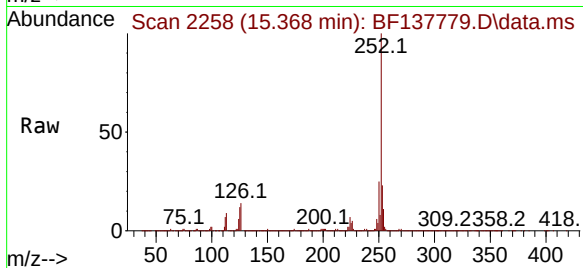
Tgt Ion:252 Resp: 4079752

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 11.9 9.0 13.4



#90

Benzo(a)pyrene

Concen: 82.725 ng

RT: 15.774 min Scan# 2327

Delta R.T. 0.018 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

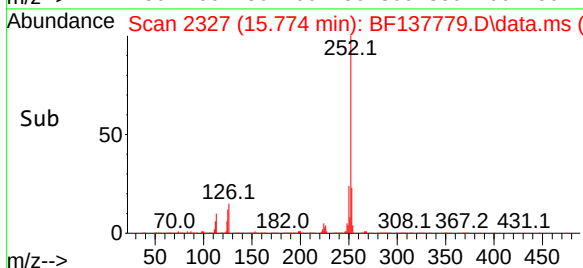
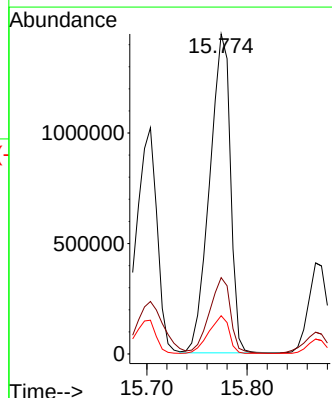
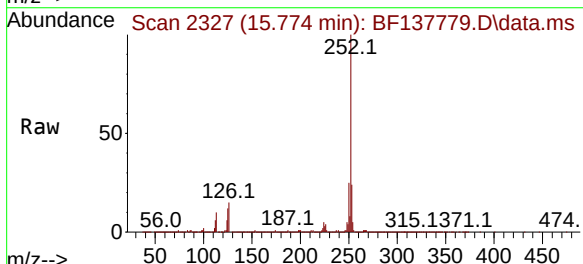
Tgt Ion:252 Resp: 2076474

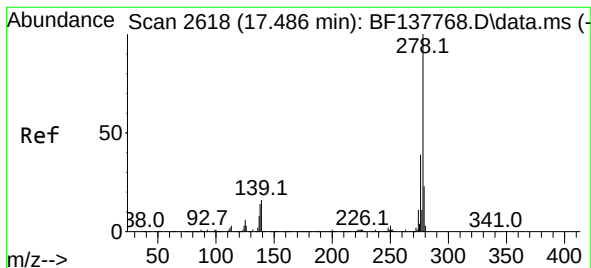
Ion Ratio Lower Upper

252 100

253 23.8 17.1 25.7

125 12.0 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 11.706 ng

RT: 17.492 min Scan# 2703

Delta R.T. 0.006 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

Instrument :

BNA_F

ClientSampleId :

346

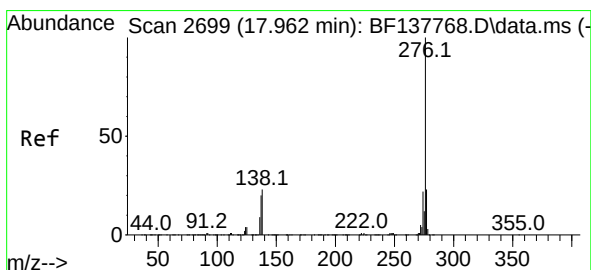
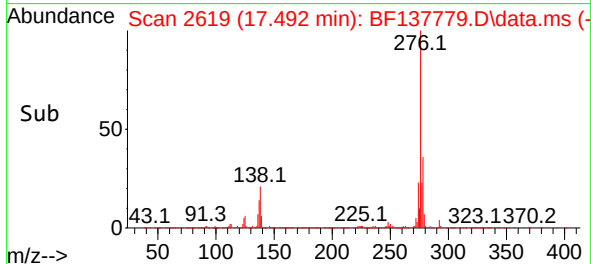
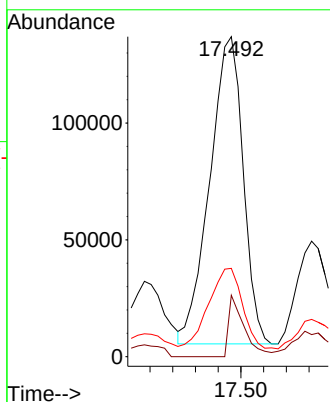
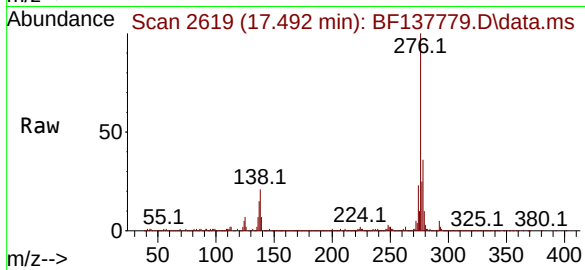
Tgt Ion:278 Resp: 267895

Ion Ratio Lower Upper

278 100

139 19.2 13.0 19.6

279 27.6 18.7 28.1



#92

Benzo(g,h,i)perylene

Concen: 37.546 ng

RT: 17.986 min Scan# 2703

Delta R.T. 0.023 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

Tgt Ion:276 Resp: 900743

Ion Ratio Lower Upper

276 100

277 24.4 18.0 27.0

138 23.5 18.1 27.1

