

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052924\
 Data File : BF138063.D
 Acq On : 29 May 2024 17:08
 Operator : CG\JU
 Sample : P2560-10 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 INT-PE2

Quant Time: May 29 17:32:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

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

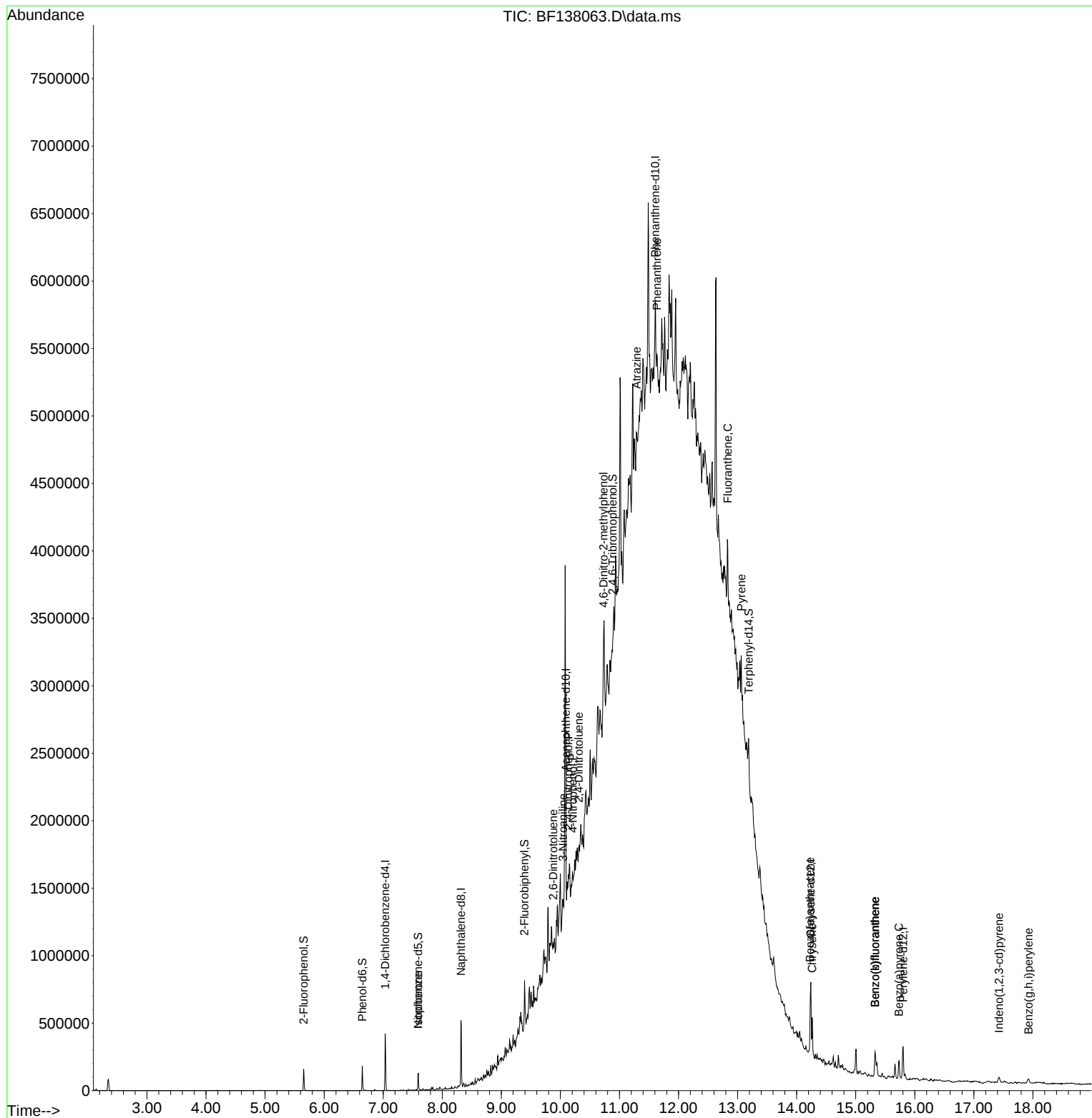
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	62031	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	230588	20.000	ng	-0.01
39) Acenaphthene-d10	10.092	164	109892	20.000	ng	0.00
64) Phenanthrene-d10	11.604	188	145410	20.000	ng	# 0.02
76) Chrysene-d12	14.239	240	146240	20.000	ng	0.01
86) Perylene-d12	15.804	264	126056	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.651	112	47682	13.057	ng	-0.01
7) Phenol-d6	6.646	99	61061	13.574	ng	-0.01
23) Nitrobenzene-d5	7.593	82	38127	9.731	ng	-0.02
42) 2,4,6-Tribromophenol	10.886	330	16285	14.697	ng	0.00
45) 2-Fluorobiphenyl	9.392	172	88219	12.366	ng	0.00
79) Terphenyl-d14	13.186	244	81128	8.176	ng	0.02
Target Compounds						Qvalue
25) Isophorone	7.593	82	38127	5.607	ng	# 65
51) 2,6-Dinitrotoluene	9.881	165	4059	2.566	ng	# 38
53) 3-Nitroaniline	10.045	138	4169	2.696	ng	# 12
54) 2,4-Dinitrophenol	10.134	184	136	7.113	ng	# 1
56) 4-Nitrophenol	10.210	139	3948	3.555	ng	# 1
57) 2,4-Dinitrotoluene	10.310	165	12200	5.967	ng	# 43
65) 4,6-Dinitro-2-methylph...	10.728	198	2029	2.417	ng	# 1
69) Atrazine	11.292	200	18590	15.267	ng	# 28
71) Phenanthrene	11.633	178	67140	9.370	ng	# 60
75) Fluoranthene	12.833	202	187094	25.723	ng	93
78) Pyrene	13.063	202	180113	14.081	ng	96
81) Benzo(a)anthracene	14.227	228	118215	12.777	ng	98
83) Chrysene	14.263	228	105517	11.925	ng	97
87) Indeno(1,2,3-cd)pyrene	17.427	276	29016	3.583	ng	97
88) Benzo(b)fluoranthene	15.327	252	154830	21.213	ng	99
89) Benzo(k)fluoranthene	15.327	252	154830	21.593	ng	98
90) Benzo(a)pyrene	15.733	252	70794	11.359	ng	96
92) Benzo(g,h,i)perylene	17.927	276	27338	3.889	ng	97

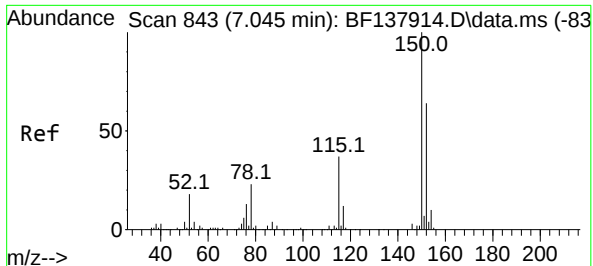
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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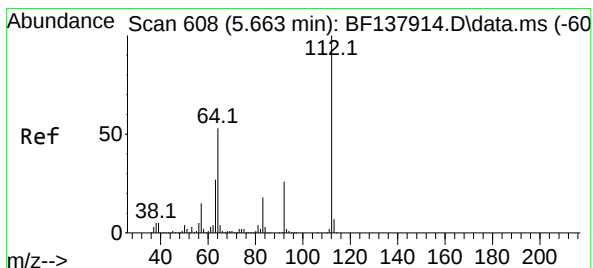
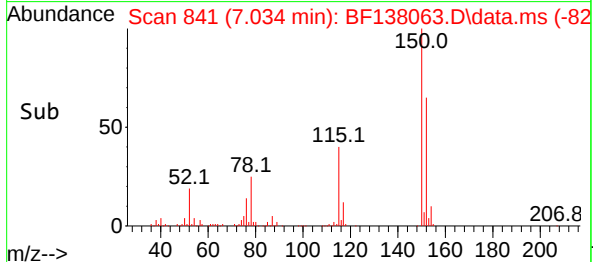
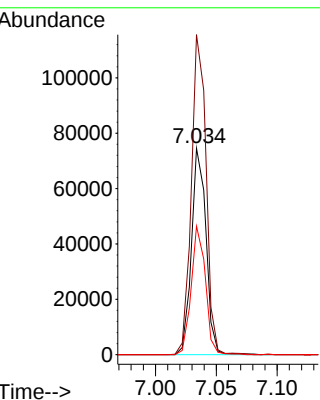
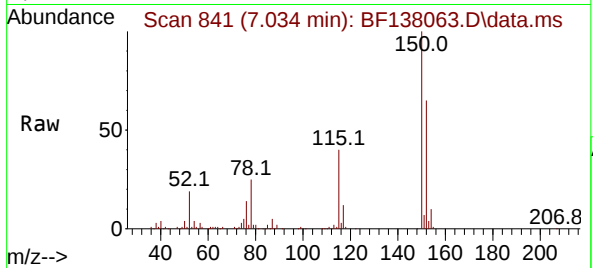




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.034 min Scan# 84
 Delta R.T. -0.011 min
 Lab File: BF138063.D
 Acq: 29 May 2024 17:08

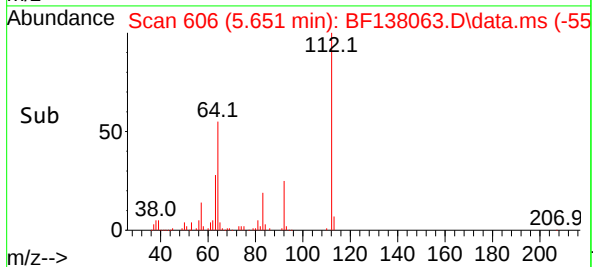
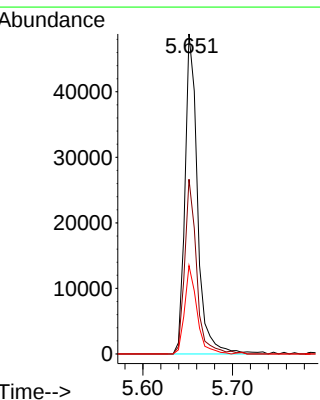
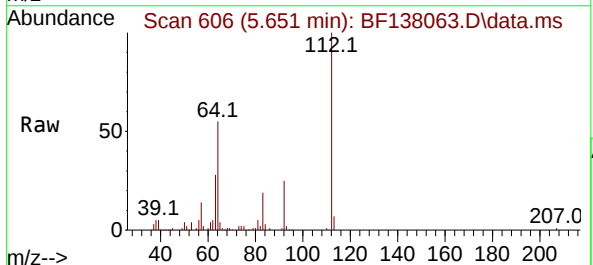
Instrument :
 BNA_F
 ClientSampleId :
 INT-PE2

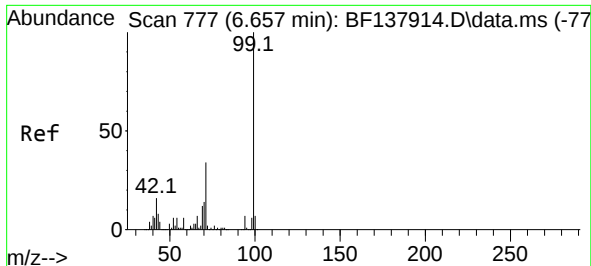
Tgt Ion:152 Resp: 62031
 Ion Ratio Lower Upper
 152 100
 150 155.0 125.7 188.5
 115 62.2 47.0 70.6



#5
 2-Fluorophenol
 Concen: 13.057 ng
 RT: 5.651 min Scan# 606
 Delta R.T. -0.012 min
 Lab File: BF138063.D
 Acq: 29 May 2024 17:08

Tgt Ion:112 Resp: 47682
 Ion Ratio Lower Upper
 112 100
 64 54.6 42.4 63.6
 63 27.6 21.4 32.2

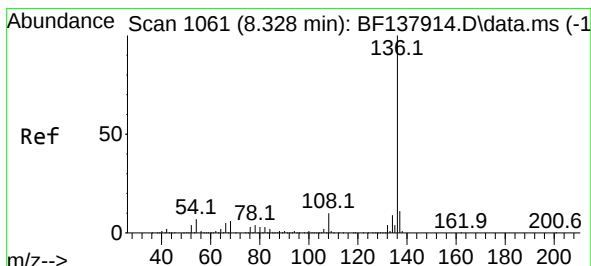
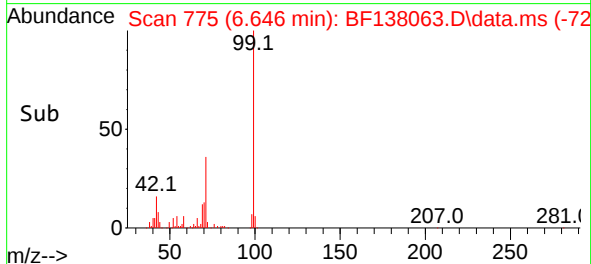
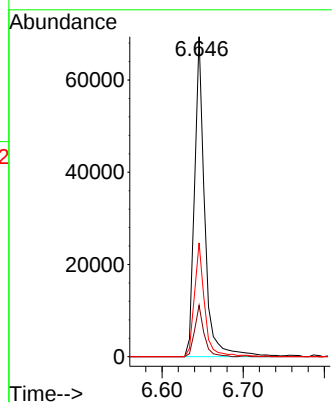
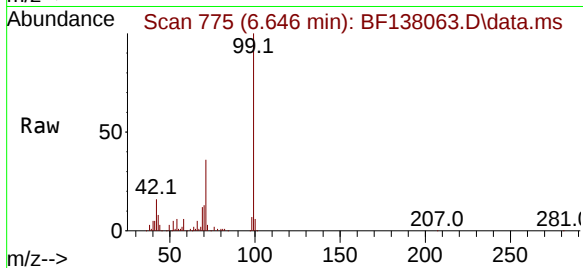




#7
Phenol-d6
Concen: 13.574 ng
RT: 6.646 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08

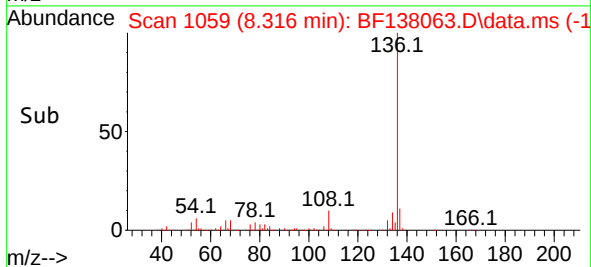
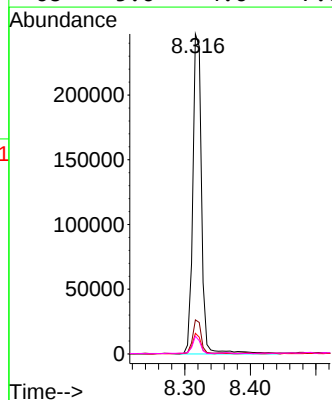
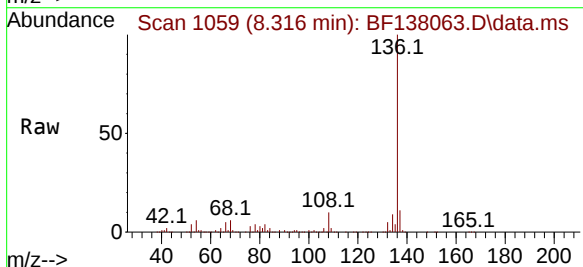
Instrument :
BNA_F
ClientSampleId :
INT-PE2

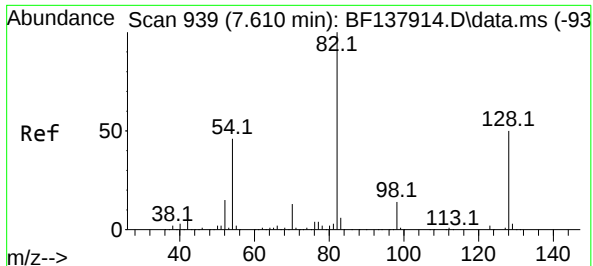
Tgt Ion: 99 Resp: 61061
Ion Ratio Lower Upper
99 100
42 16.1 12.6 18.8
71 35.6 27.1 40.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08

Tgt Ion: 136 Resp: 230588
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 6.4 5.4 8.2
68 5.6 4.6 7.0

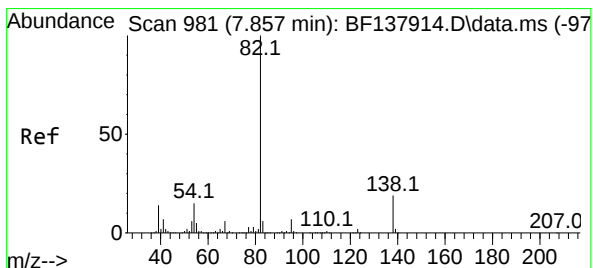
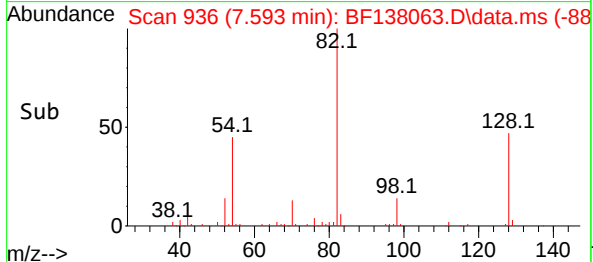
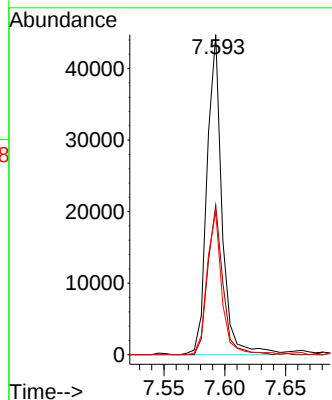
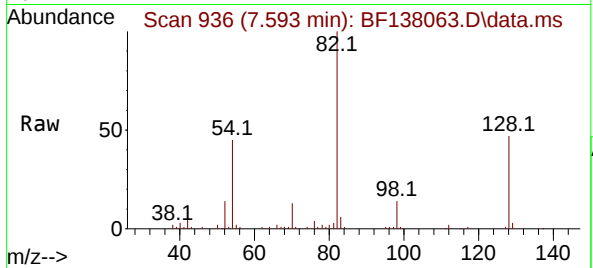




#23
Nitrobenzene-d5
Concen: 9.731 ng
RT: 7.593 min Scan# 91
Delta R.T. -0.017 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08

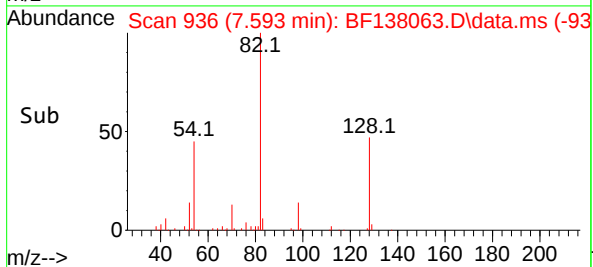
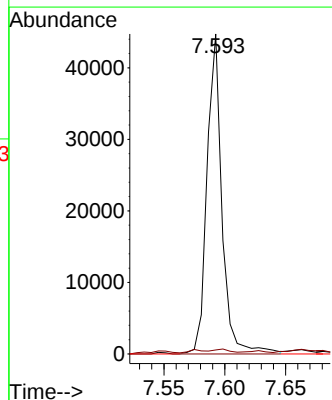
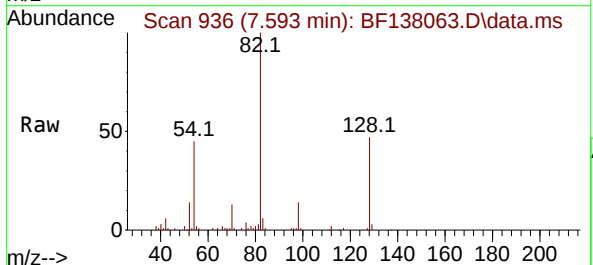
Instrument :
BNA_F
ClientSampleId :
INT-PE2

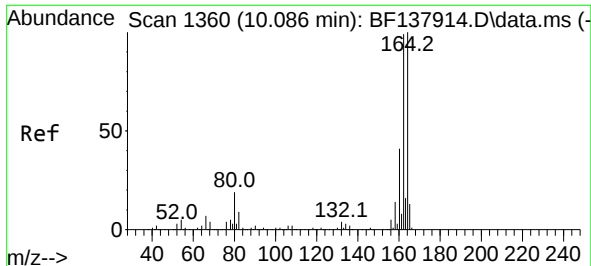
Tgt Ion: 82 Resp: 38127
Ion Ratio Lower Upper
82 100
128 46.8 40.3 60.5
54 44.8 36.8 55.2



#25
Isophorone
Concen: 5.607 ng
RT: 7.593 min Scan# 936
Delta R.T. -0.265 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08

Tgt Ion: 82 Resp: 38127
Ion Ratio Lower Upper
82 100
95 1.2 6.0 9.0#
138 0.0 15.0 22.4#

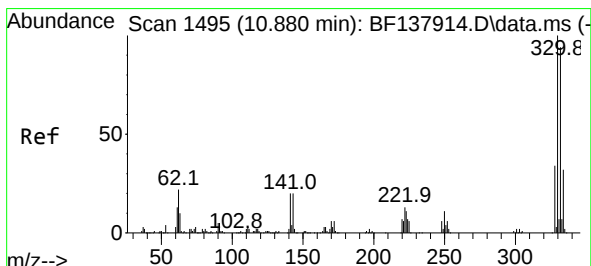
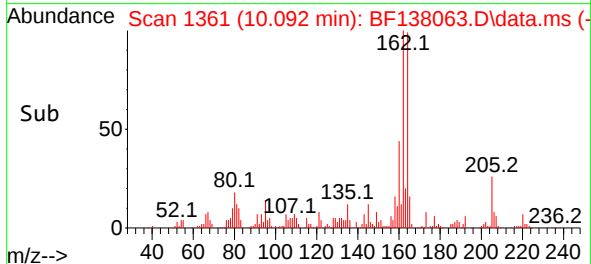
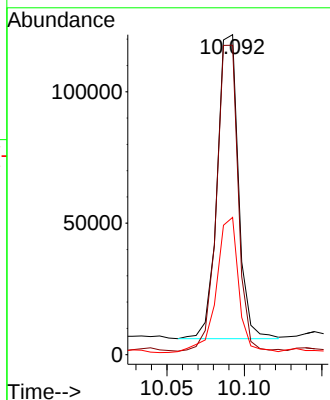
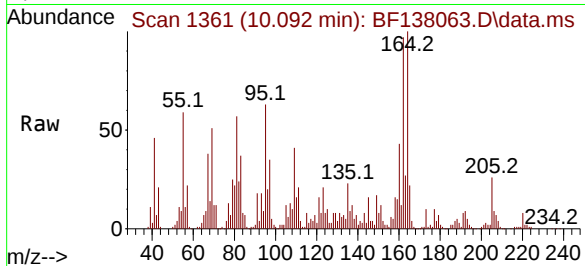




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.092 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08

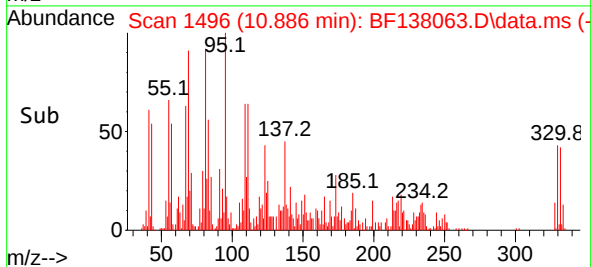
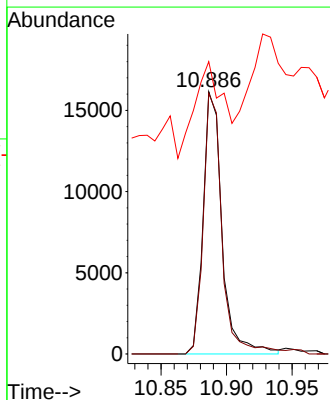
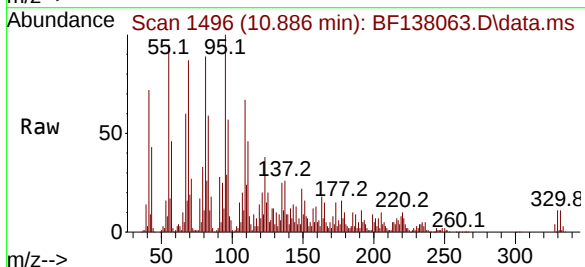
Instrument :
BNA_F
ClientSampleId :
INT-PE2

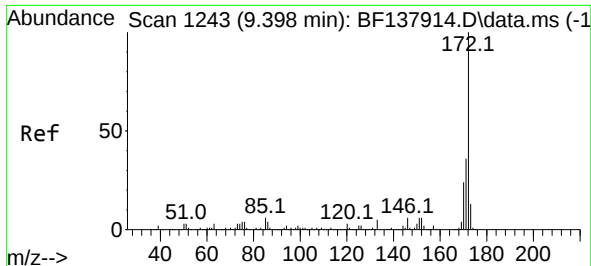
Tgt Ion:164 Resp: 109892
Ion Ratio Lower Upper
164 100
162 96.7 79.4 119.2
160 42.9 33.1 49.7



#42
2,4,6-Tribromophenol
Concen: 14.697 ng
RT: 10.886 min Scan# 1496
Delta R.T. 0.006 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08

Tgt Ion:330 Resp: 16285
Ion Ratio Lower Upper
330 100
332 98.9 75.8 113.8
141 54.3 23.8 35.6#





#45

2-Fluorobiphenyl

Concen: 12.366 ng

RT: 9.392 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138063.D

Acq: 29 May 2024 17:08

Instrument :

BNA_F

ClientSampleId :

INT-PE2

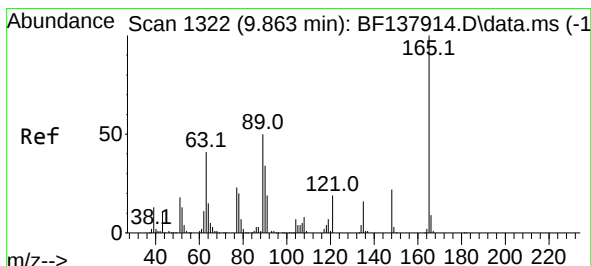
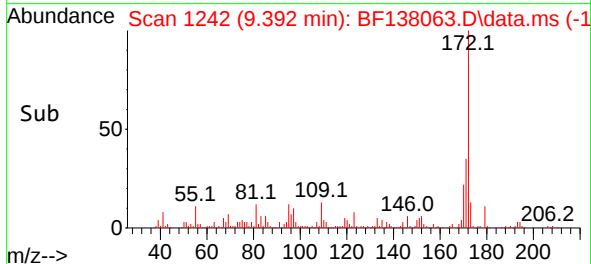
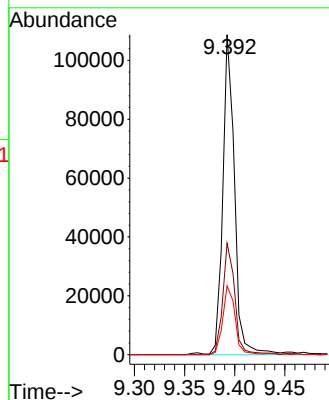
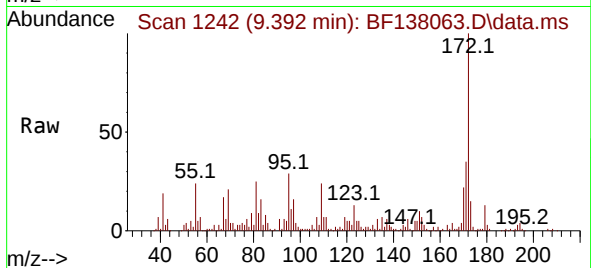
Tgt Ion:172 Resp: 88219

Ion Ratio Lower Upper

172 100

171 34.8 28.9 43.3

170 21.5 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 2.566 ng

RT: 9.881 min Scan# 1325

Delta R.T. 0.018 min

Lab File: BF138063.D

Acq: 29 May 2024 17:08

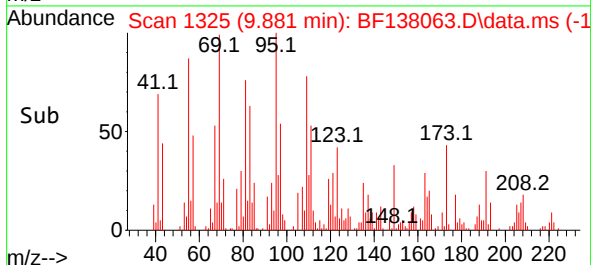
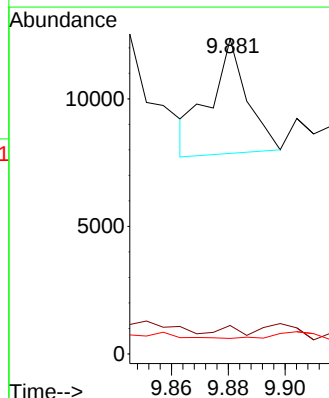
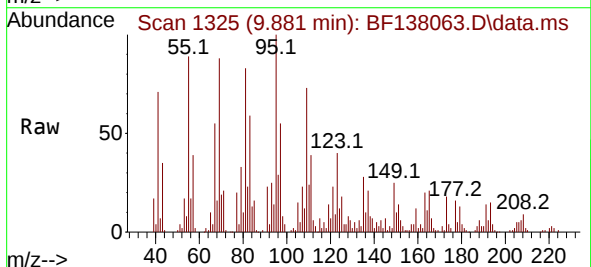
Tgt Ion:165 Resp: 4059

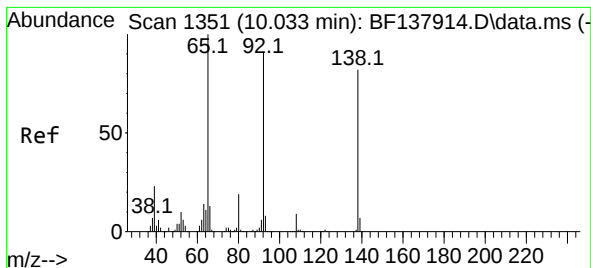
Ion Ratio Lower Upper

165 100

63 9.1 38.9 58.3#

89 4.9 40.4 60.6#

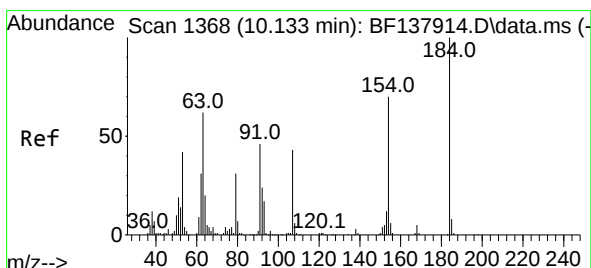
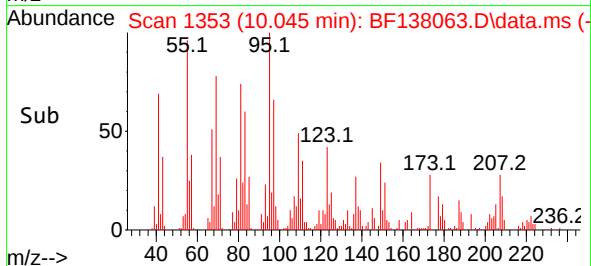
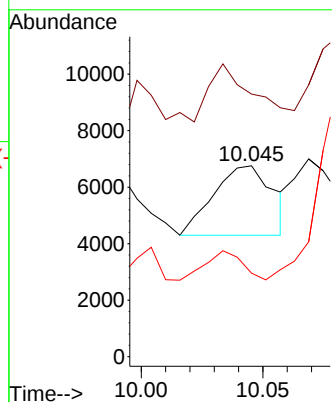
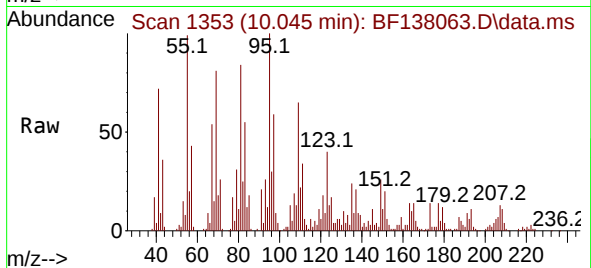




#53
3-Nitroaniline
Concen: 2.696 ng
RT: 10.045 min Scan# 1351
Delta R.T. 0.012 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08

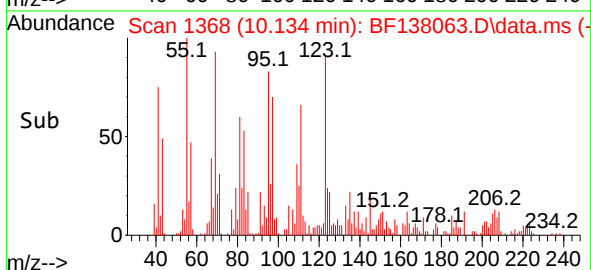
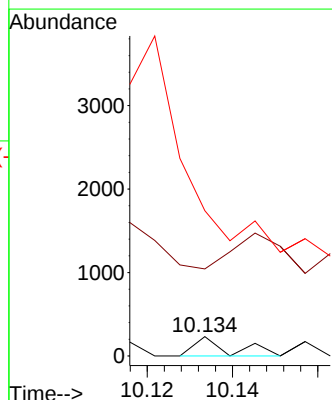
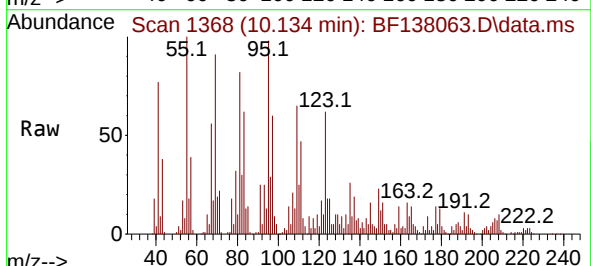
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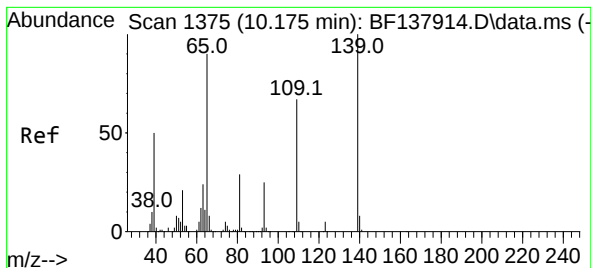
Tgt Ion:138 Resp: 4169
Ion Ratio Lower Upper
138 100
108 137.6 8.8 13.2#
92 43.7 88.6 133.0#



#54
2,4-Dinitrophenol
Concen: 7.113 ng
RT: 10.134 min Scan# 1368
Delta R.T. 0.001 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08

Tgt Ion:184 Resp: 136
Ion Ratio Lower Upper
184 100
63 447.6 50.4 75.6#
154 747.2 63.7 95.5#

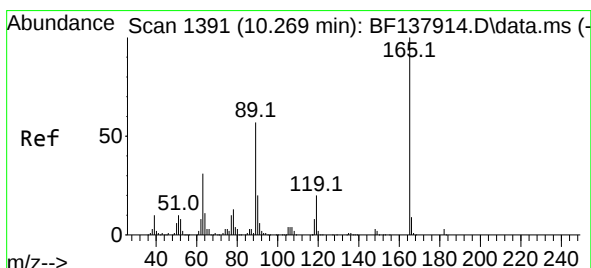
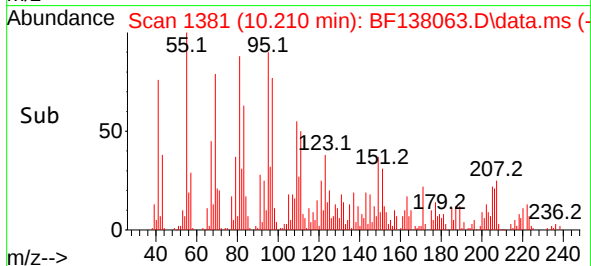
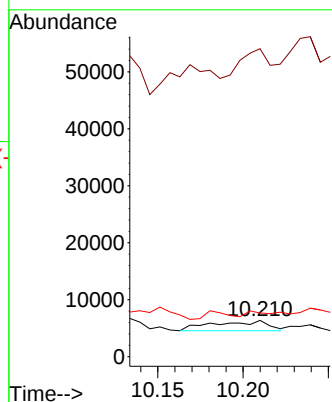
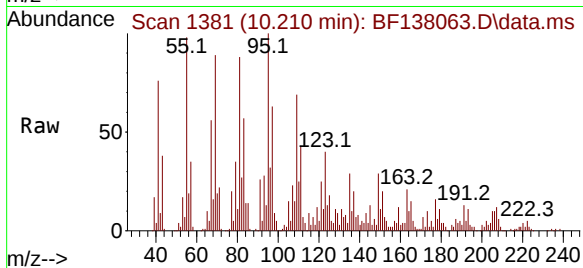




#56
4-Nitrophenol
Concen: 3.555 ng
RT: 10.210 min Scan# 1381
Delta R.T. 0.035 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08

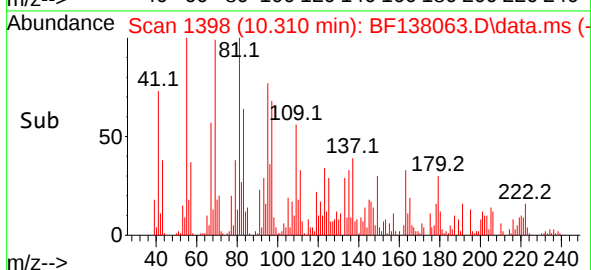
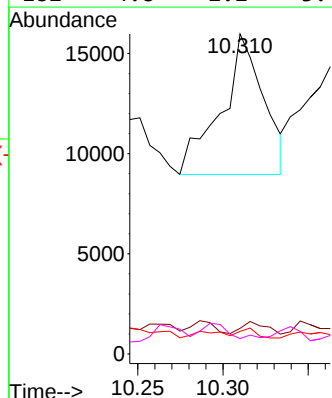
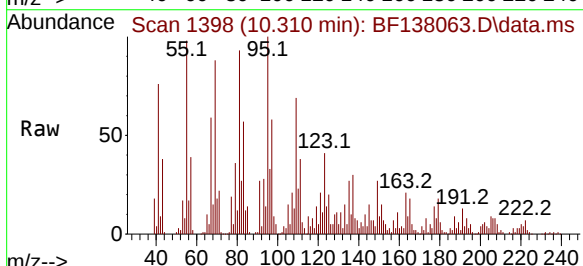
Instrument :
BNA_F
ClientSampleId :
INT-PE2

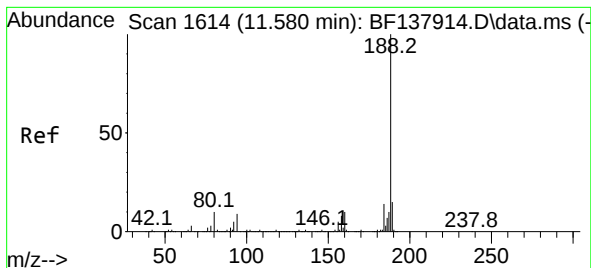
Tgt Ion:139 Resp: 3948
Ion Ratio Lower Upper
139 100
109 849.3 46.5 86.5#
65 120.4 70.4 110.4#



#57
2,4-Dinitrotoluene
Concen: 5.967 ng
RT: 10.310 min Scan# 1398
Delta R.T. 0.041 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08

Tgt Ion:165 Resp: 12200
Ion Ratio Lower Upper
165 100
63 8.0 25.3 37.9#
89 7.1 45.9 68.9#
182 4.8 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.604 min Scan# 1

Delta R.T. 0.024 min

Lab File: BF138063.D

Acq: 29 May 2024 17:08

Instrument :

BNA_F

ClientSampleId :

INT-PE2

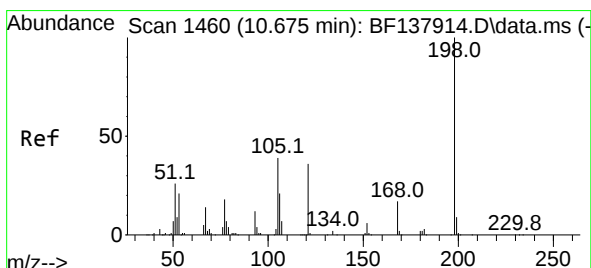
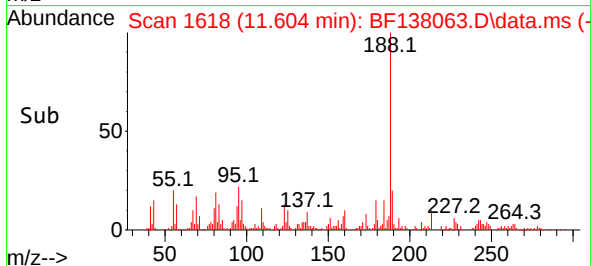
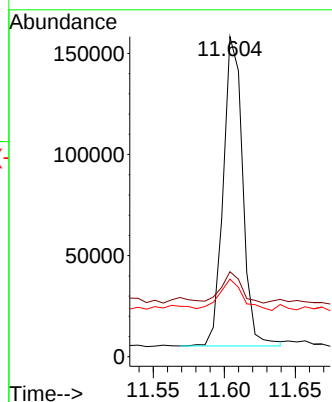
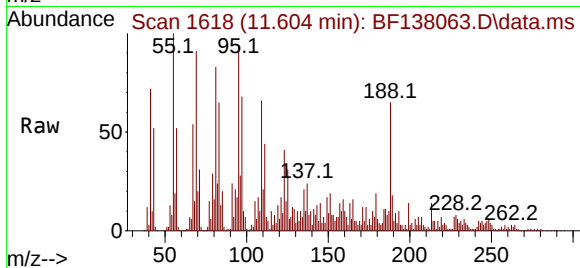
Tgt Ion:188 Resp: 145410

Ion Ratio Lower Upper

188 100

94 26.6 7.0 10.4#

80 24.3 7.7 11.5#



#65

4,6-Dinitro-2-methylphenol

Concen: 2.417 ng

RT: 10.728 min Scan# 1469

Delta R.T. 0.053 min

Lab File: BF138063.D

Acq: 29 May 2024 17:08

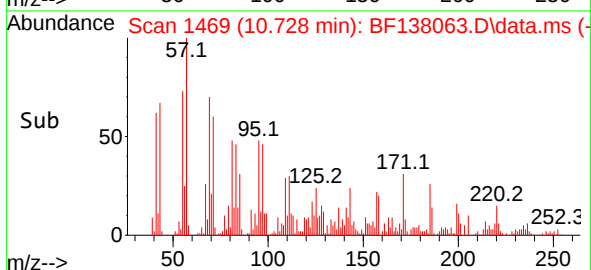
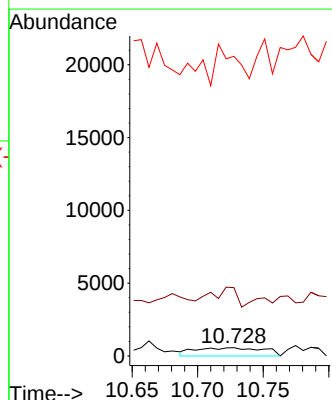
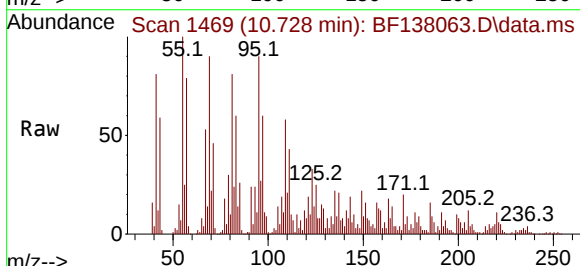
Tgt Ion:198 Resp: 2029

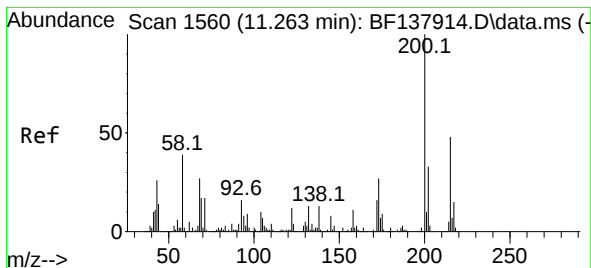
Ion Ratio Lower Upper

198 100

51 820.1 13.8 53.8#

105 3598.6 19.0 59.0#





#69

Atrazine

Concen: 15.267 ng

RT: 11.292 min Scan# 11

Delta R.T. 0.030 min

Lab File: BF138063.D

Acq: 29 May 2024 17:08

Instrument :

BNA_F

ClientSampleId :

INT-PE2

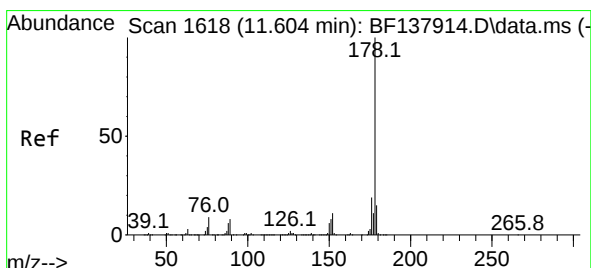
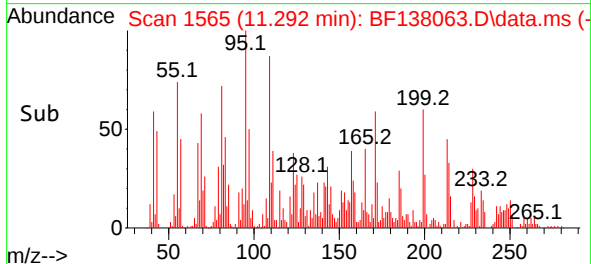
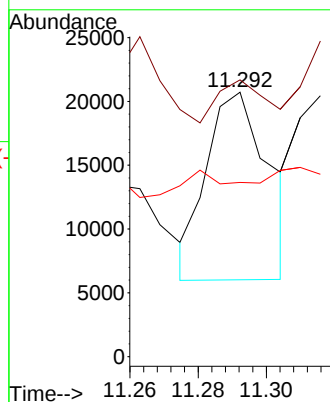
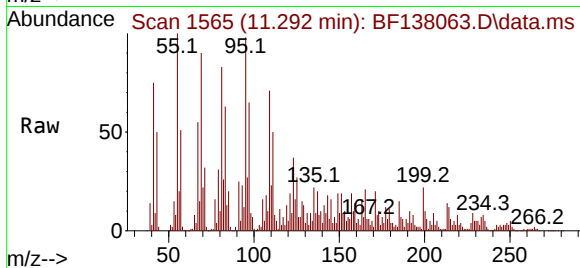
Tgt Ion:200 Resp: 18590

Ion Ratio Lower Upper

200 100

173 104.7 6.6 46.6#

215 65.9 27.5 67.5



#71

Phenanthrene

Concen: 9.370 ng

RT: 11.633 min Scan# 1623

Delta R.T. 0.030 min

Lab File: BF138063.D

Acq: 29 May 2024 17:08

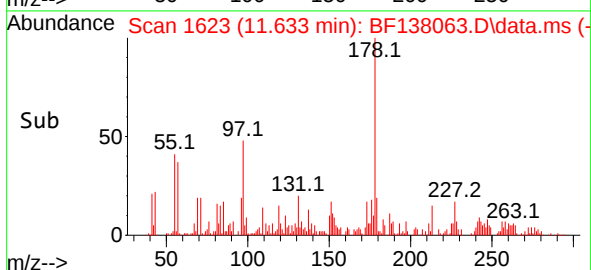
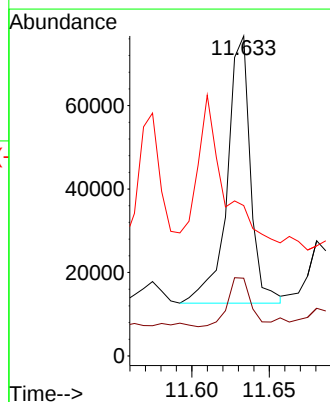
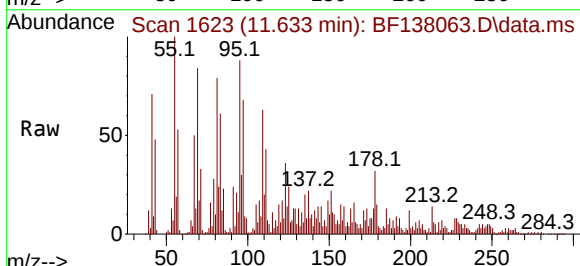
Tgt Ion:178 Resp: 67140

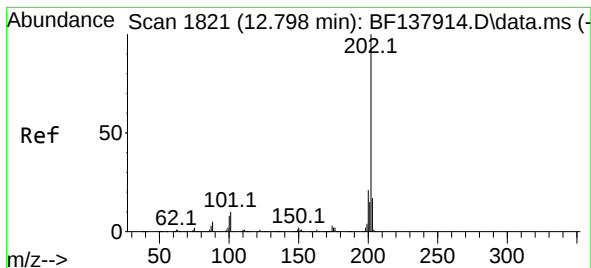
Ion Ratio Lower Upper

178 100

176 24.3 15.2 22.8#

179 47.0 12.2 18.4#





#75

Fluoranthene

Concen: 25.723 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.035 min

Lab File: BF138063.D

Acq: 29 May 2024 17:08

Instrument :

BNA_F

ClientSampleId :

INT-PE2

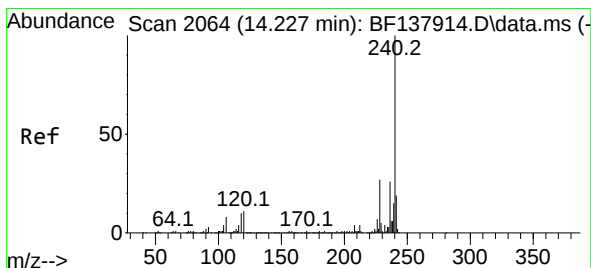
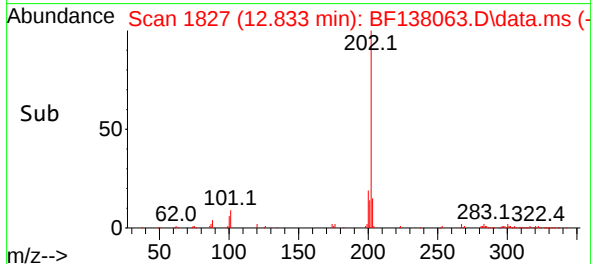
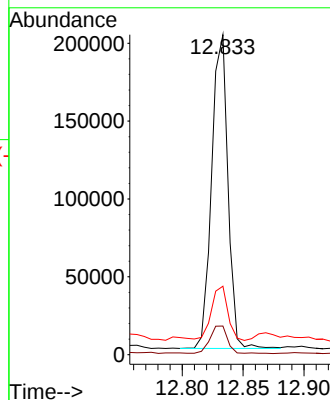
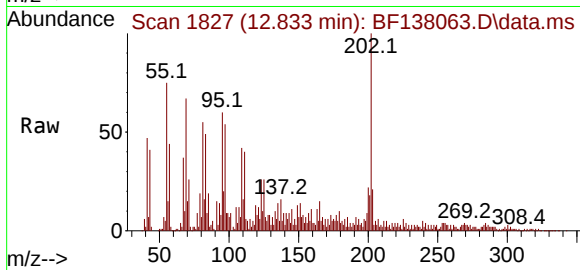
Tgt Ion:202 Resp: 187094

Ion Ratio Lower Upper

202 100

101 8.9 0.0 30.5

203 21.4 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.239 min Scan# 2066

Delta R.T. 0.012 min

Lab File: BF138063.D

Acq: 29 May 2024 17:08

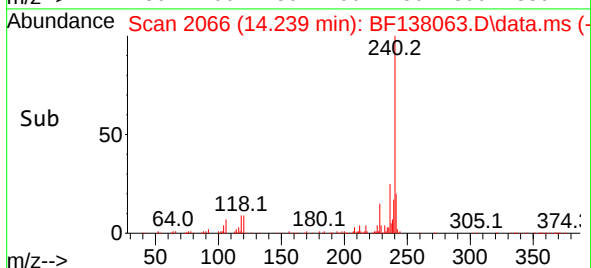
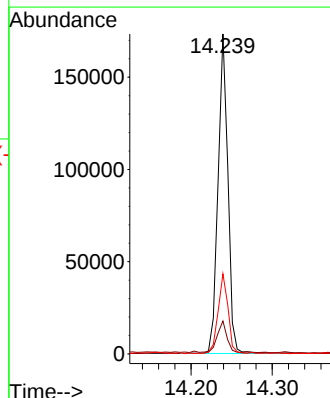
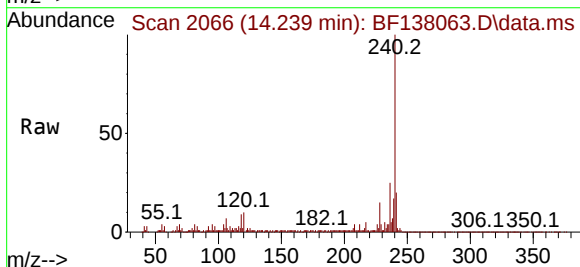
Tgt Ion:240 Resp: 146240

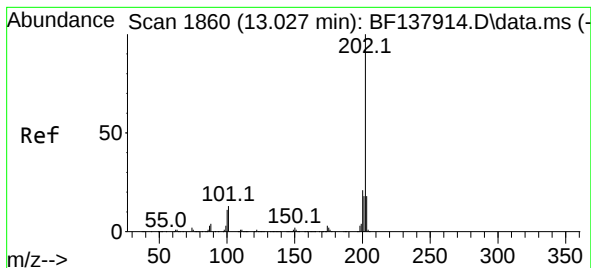
Ion Ratio Lower Upper

240 100

120 10.3 8.9 13.3

236 25.1 21.0 31.4





#78

Pyrene

Concen: 14.081 ng

RT: 13.063 min Scan# 1866

Delta R.T. 0.035 min

Lab File: BF138063.D

Acq: 29 May 2024 17:08

Instrument :

BNA_F

ClientSampleId :

INT-PE2

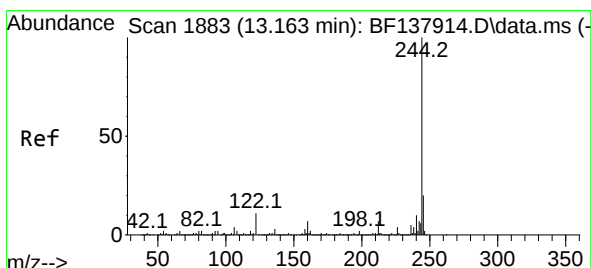
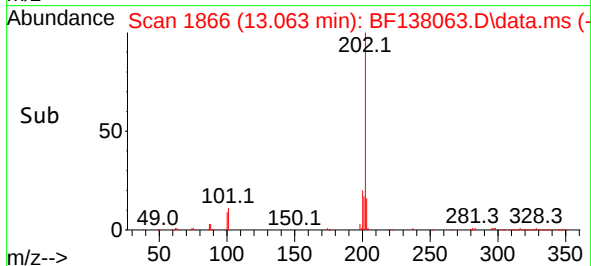
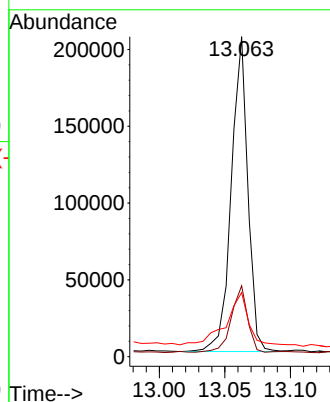
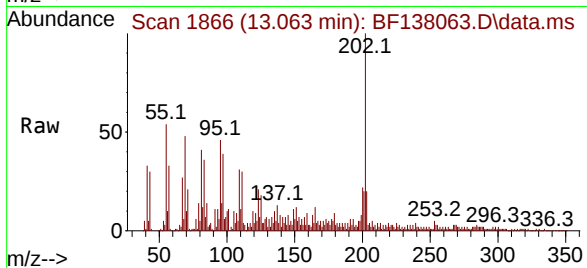
Tgt Ion:202 Resp: 180113

Ion Ratio Lower Upper

202 100

200 22.2 17.0 25.4

203 20.0 14.1 21.1



#79

Terphenyl-d14

Concen: 8.176 ng

RT: 13.186 min Scan# 1887

Delta R.T. 0.024 min

Lab File: BF138063.D

Acq: 29 May 2024 17:08

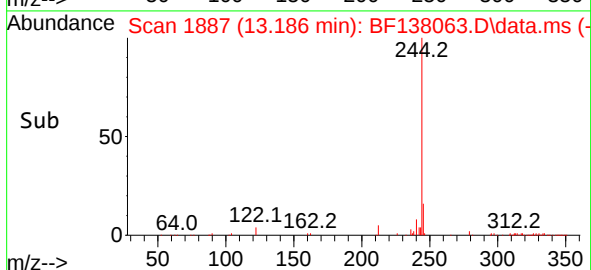
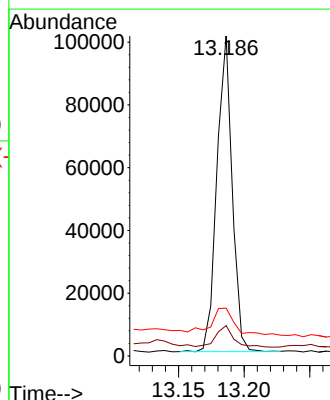
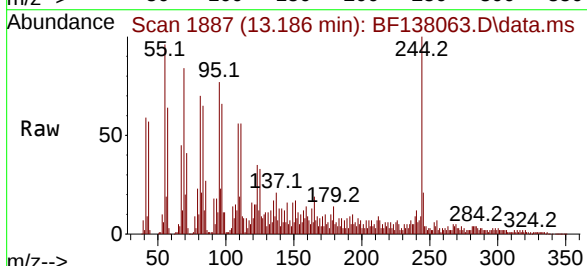
Tgt Ion:244 Resp: 81128

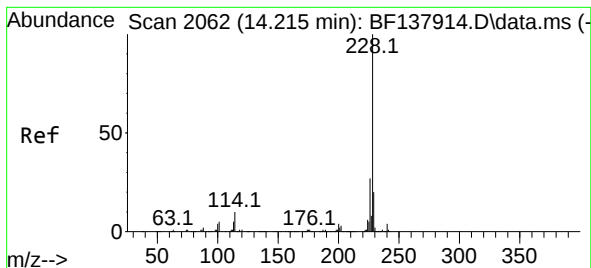
Ion Ratio Lower Upper

244 100

212 9.5 5.6 8.4#

122 15.0 8.8 13.2#





#81

Benzo(a)anthracene

Concen: 12.777 ng

RT: 14.227 min Scan# 2062

Delta R.T. 0.012 min

Lab File: BF138063.D

Acq: 29 May 2024 17:08

Instrument :

BNA_F

ClientSampleId :

INT-PE2

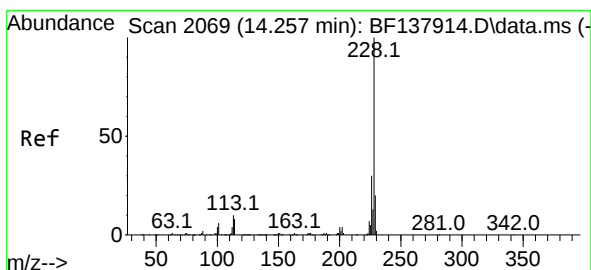
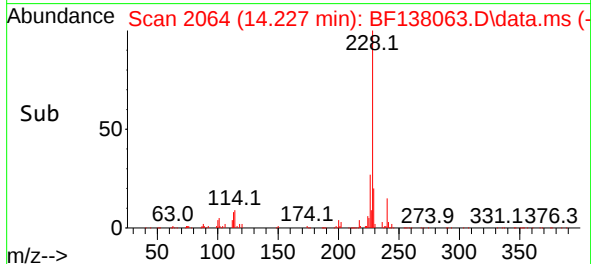
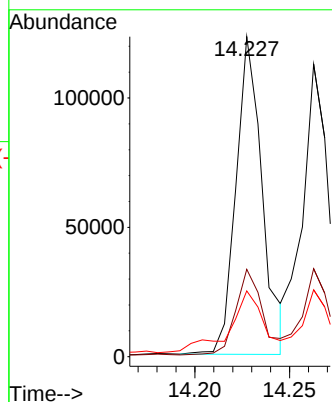
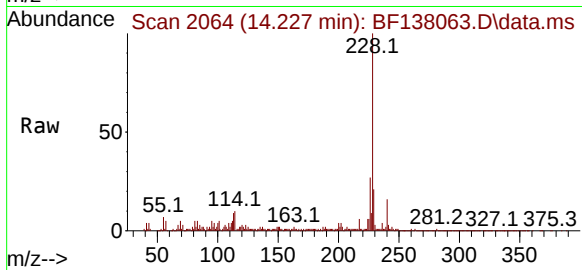
Tgt Ion:228 Resp: 118215

Ion Ratio Lower Upper

228 100

226 27.3 21.3 31.9

229 20.6 15.7 23.5



#83

Chrysene

Concen: 11.925 ng

RT: 14.263 min Scan# 2070

Delta R.T. 0.006 min

Lab File: BF138063.D

Acq: 29 May 2024 17:08

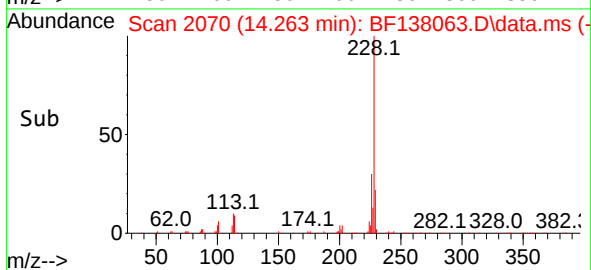
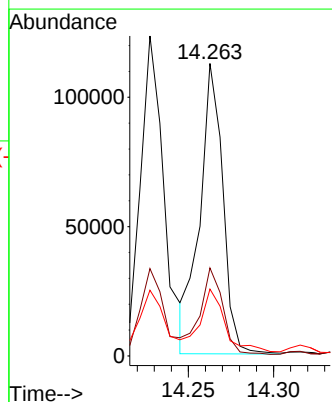
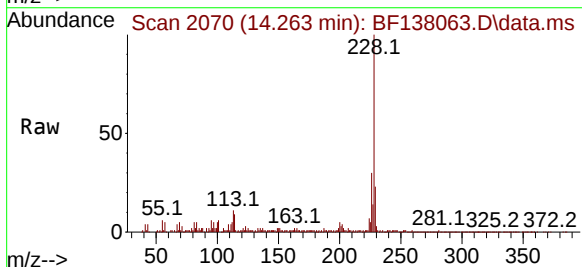
Tgt Ion:228 Resp: 105517

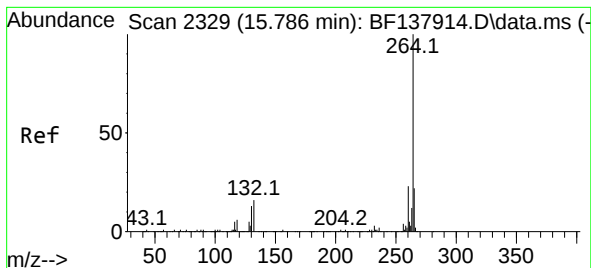
Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.8

229 22.9 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.804 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF138063.D

Acq: 29 May 2024 17:08

Instrument :

BNA_F

ClientSampleId :

INT-PE2

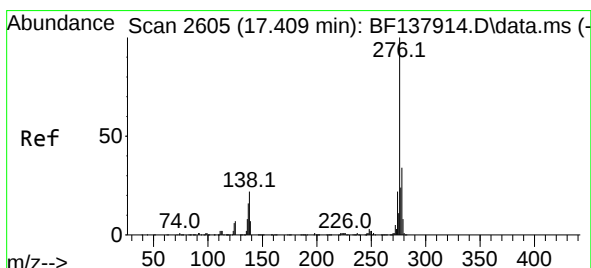
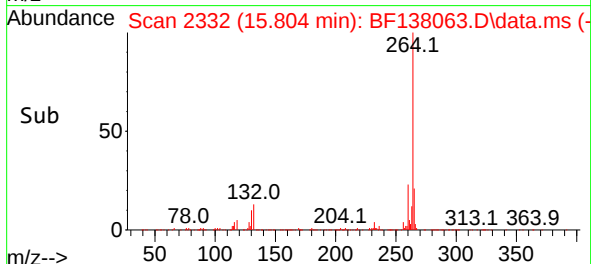
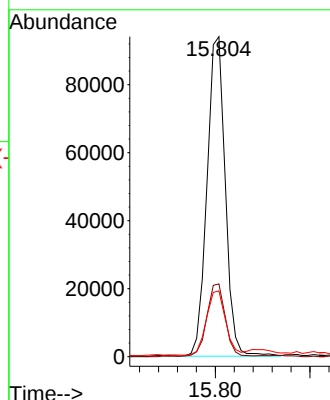
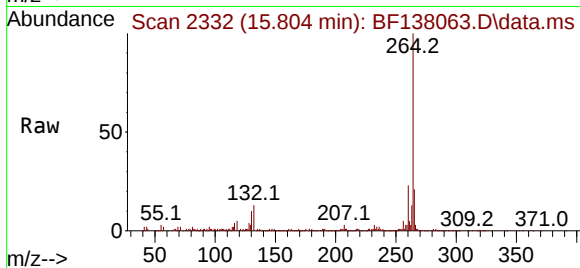
Tgt Ion:264 Resp: 126056

Ion Ratio Lower Upper

264 100

260 22.8 18.3 27.5

265 20.5 17.6 26.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.583 ng

RT: 17.427 min Scan# 2608

Delta R.T. 0.018 min

Lab File: BF138063.D

Acq: 29 May 2024 17:08

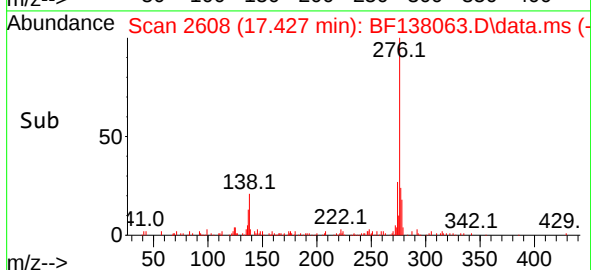
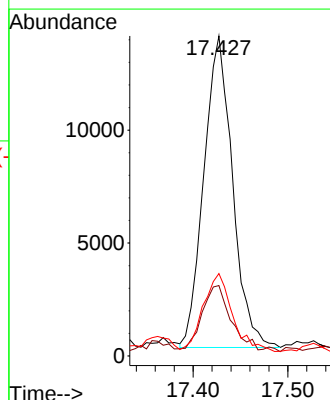
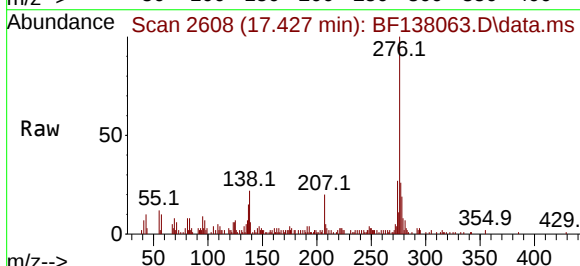
Tgt Ion:276 Resp: 29016

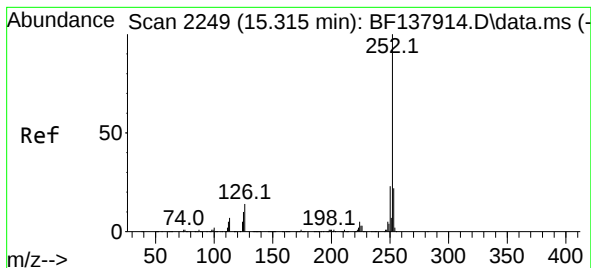
Ion Ratio Lower Upper

276 100

138 22.7 20.6 30.8

277 25.2 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 21.213 ng

RT: 15.327 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF138063.D

Acq: 29 May 2024 17:08

Instrument :

BNA_F

ClientSampleId :

INT-PE2

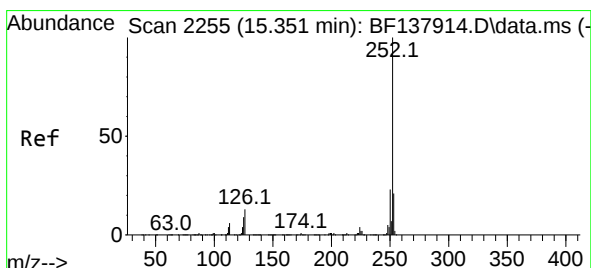
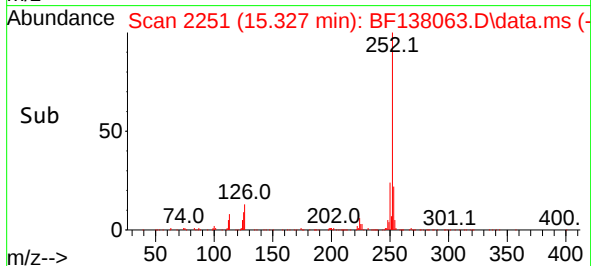
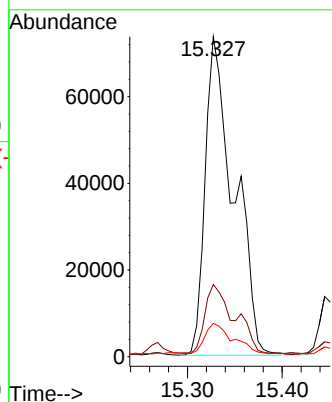
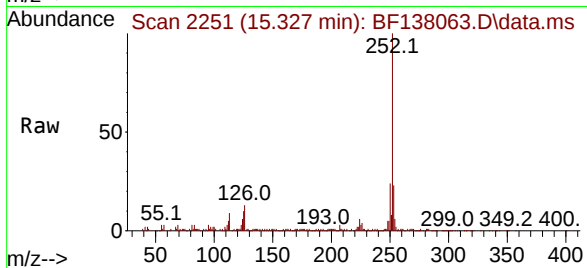
Tgt Ion:252 Resp: 154830

Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

125 10.4 8.2 12.4



#89

Benzo(k)fluoranthene

Concen: 21.593 ng

RT: 15.327 min Scan# 2251

Delta R.T. -0.023 min

Lab File: BF138063.D

Acq: 29 May 2024 17:08

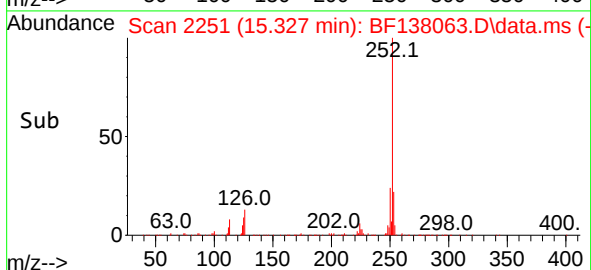
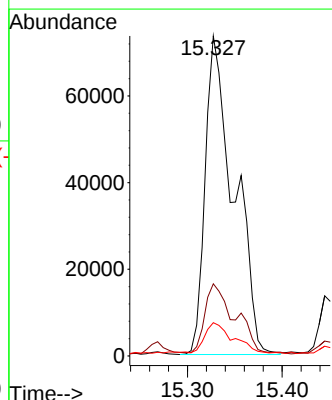
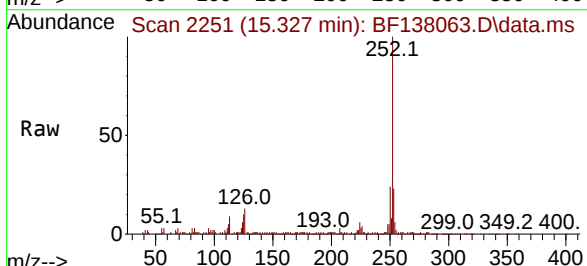
Tgt Ion:252 Resp: 154830

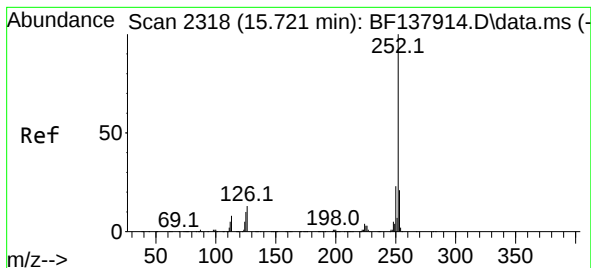
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 10.4 7.7 11.5





#90

Benzo(a)pyrene

Concen: 11.359 ng

RT: 15.733 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF138063.D

Acq: 29 May 2024 17:08

Instrument :

BNA_F

ClientSampleId :

INT-PE2

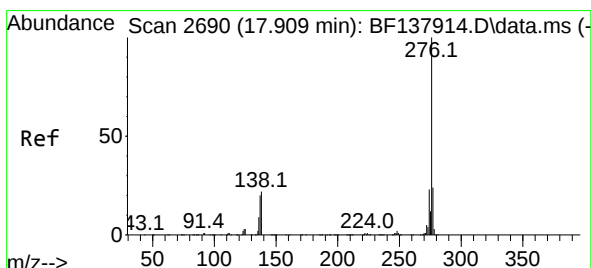
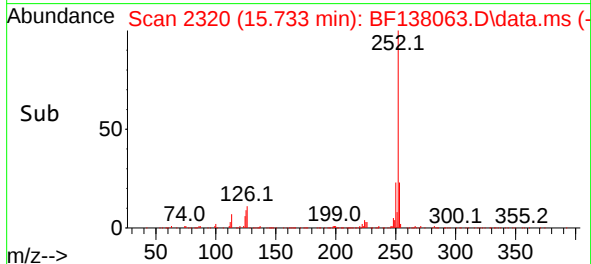
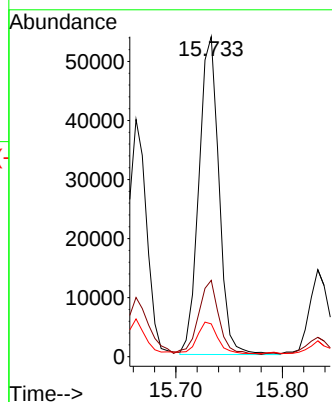
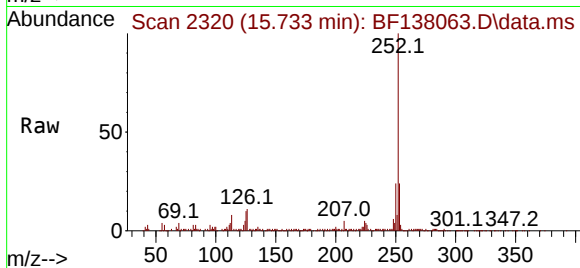
Tgt Ion:252 Resp: 70794

Ion Ratio Lower Upper

252 100

253 23.9 17.0 25.6

125 10.2 7.8 11.8



#92

Benzo(g,h,i)perylene

Concen: 3.889 ng

RT: 17.927 min Scan# 2693

Delta R.T. 0.018 min

Lab File: BF138063.D

Acq: 29 May 2024 17:08

Tgt Ion:276 Resp: 27338

Ion Ratio Lower Upper

276 100

277 25.5 18.9 28.3

138 23.2 17.6 26.4

