

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052824\
 Data File : BF138047.D
 Acq On : 28 May 2024 15:08
 Operator : CG\JU
 Sample : P2597-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-052324

Quant Time: May 28 15:33:20 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)

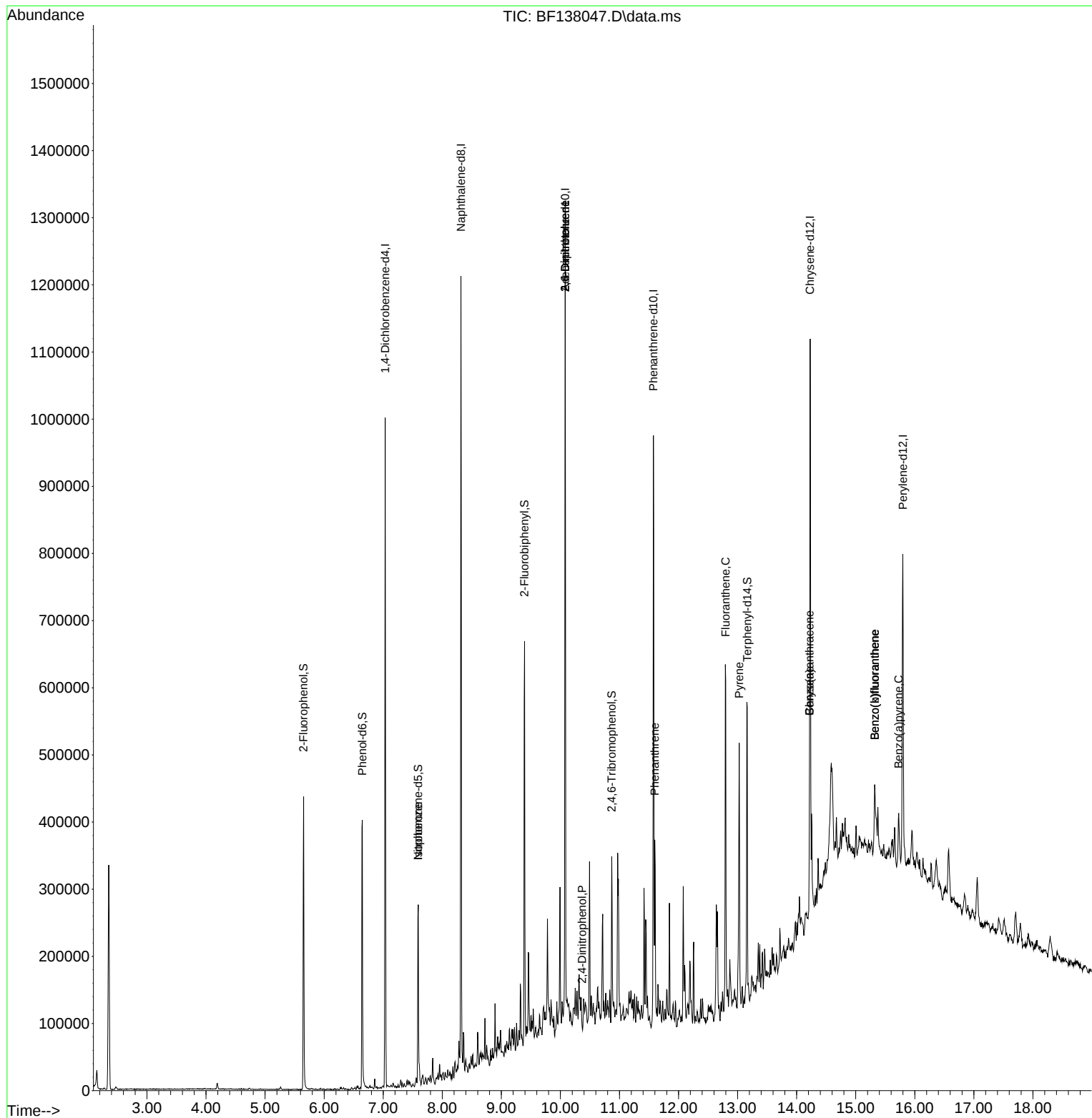
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	136987	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	499192	20.000	ng	-0.01
39) Acenaphthene-d10	10.081	164	240118	20.000	ng	0.00
64) Phenanthrene-d10	11.575	188	329754	20.000	ng	0.00
76) Chrysene-d12	14.227	240	270262	20.000	ng	0.00
86) Perylene-d12	15.798	264	211074	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.651	112	125705	15.587	ng	-0.01
7) Phenol-d6	6.646	99	155657	15.669	ng	-0.01
23) Nitrobenzene-d5	7.593	82	89016	10.494	ng	-0.02
42) 2,4,6-Tribromophenol	10.869	330	31516	13.017	ng	-0.01
45) 2-Fluorobiphenyl	9.392	172	198434	12.730	ng	0.00
79) Terphenyl-d14	13.163	244	164404	8.965	ng	0.00
Target Compounds						
					Qvalue	
25) Isophorone	7.593	82	89016	6.047	ng	# 65
51) 2,6-Dinitrotoluene	10.081	165	30450	8.811	ng	# 30
54) 2,4-Dinitrophenol	10.369	184	59	6.996	ng	# 14
57) 2,4-Dinitrotoluene	10.081	165	30450	6.816	ng	# 33
71) Phenanthrene	11.598	178	92901	5.717	ng	99
75) Fluoranthene	12.798	202	152168	9.226	ng	100
78) Pyrene	13.027	202	149170	6.311	ng	99
81) Benzo(a)anthracene	14.216	228	63211	3.697	ng	96
83) Chrysene	14.216	228	63211	3.866	ng	95
88) Benzo(b)fluoranthene	15.321	252	71956	5.888	ng	# 85
89) Benzo(k)fluoranthene	15.321	252	71956	5.993	ng	# 84
90) Benzo(a)pyrene	15.727	252	35971	3.447	ng	# 88

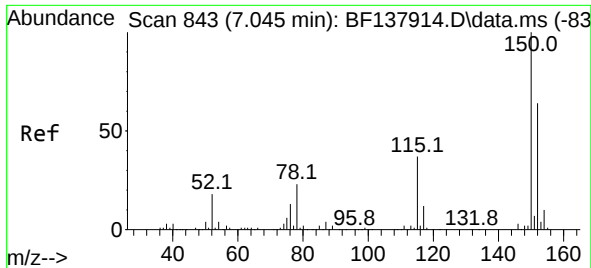
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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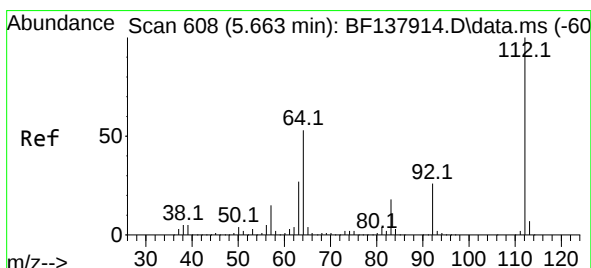
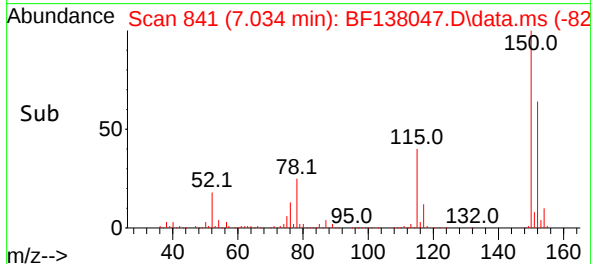
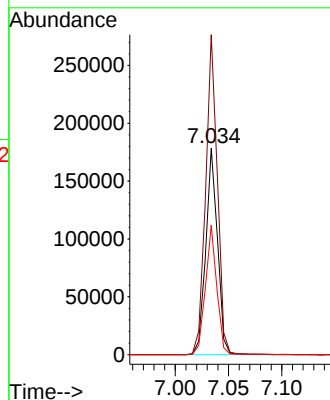
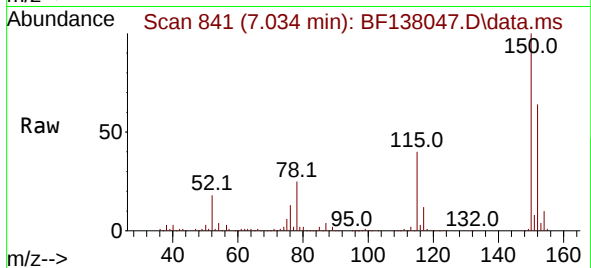




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 84
Delta R.T. -0.011 min
Lab File: BF138047.D
Acq: 28 May 2024 15:08

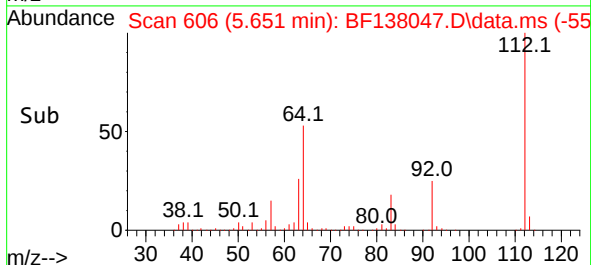
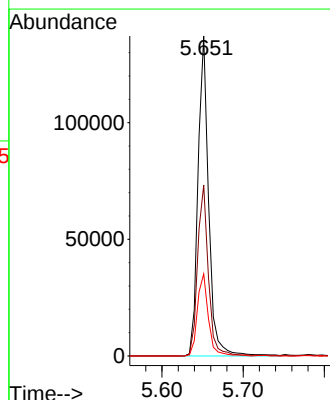
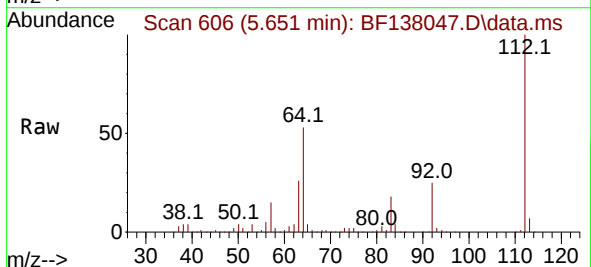
Instrument :
BNA_F
ClientSampleId :
PL-01-052324

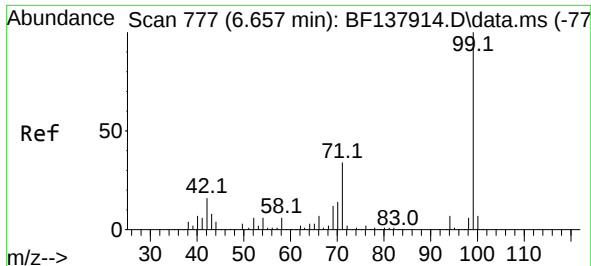
Tgt Ion:152 Resp: 136987
Ion Ratio Lower Upper
152 100
150 155.0 125.7 188.5
115 62.6 47.0 70.6



#5
2-Fluorophenol
Concen: 15.587 ng
RT: 5.651 min Scan# 606
Delta R.T. -0.012 min
Lab File: BF138047.D
Acq: 28 May 2024 15:08

Tgt Ion:112 Resp: 125705
Ion Ratio Lower Upper
112 100
64 53.4 42.4 63.6
63 25.7 21.4 32.2

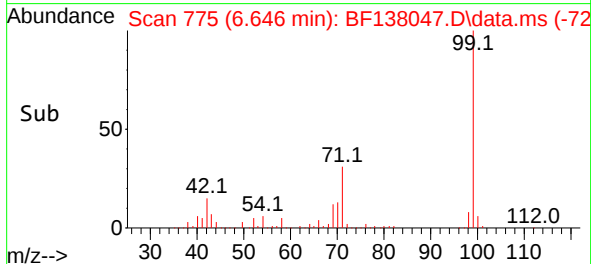
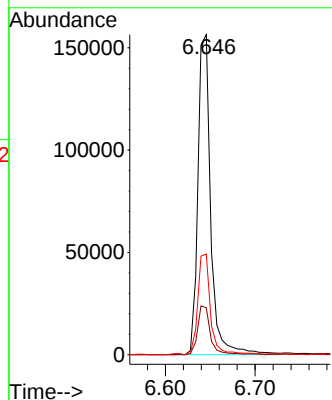
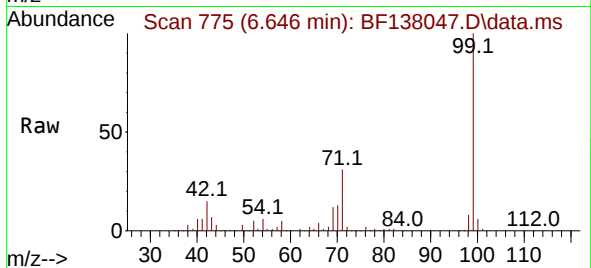




#7
Phenol-d6
Concen: 15.669 ng
RT: 6.646 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138047.D
Acq: 28 May 2024 15:08

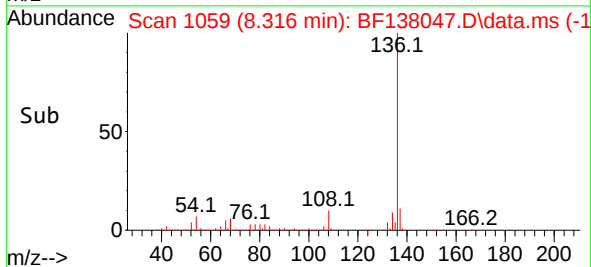
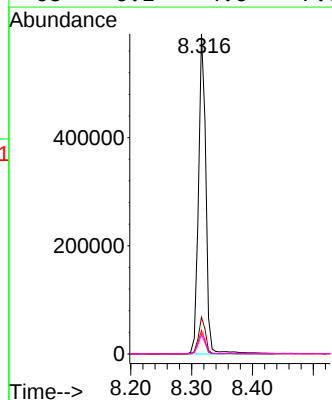
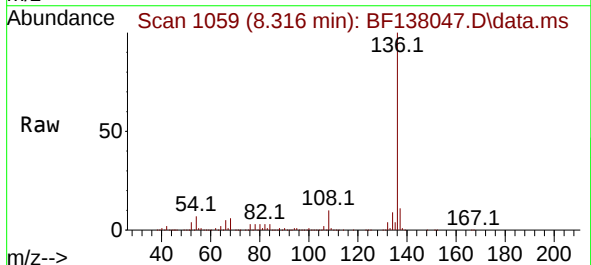
Instrument :
BNA_F
ClientSampleId :
PL-01-052324

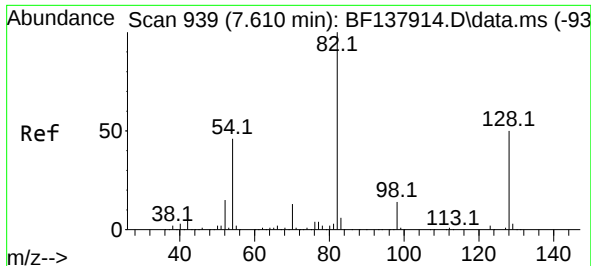
Tgt Ion: 99 Resp: 155657
Ion Ratio Lower Upper
99 100
42 14.7 12.6 18.8
71 31.5 27.1 40.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF138047.D
Acq: 28 May 2024 15:08

Tgt Ion: 136 Resp: 499192
Ion Ratio Lower Upper
136 100
137 11.5 8.7 13.1
54 7.4 5.4 8.2
68 6.1 4.6 7.0





#23

Nitrobenzene-d5

Concen: 10.494 ng

RT: 7.593 min Scan# 91

Delta R.T. -0.017 min

Lab File: BF138047.D

Acq: 28 May 2024 15:08

Instrument :

BNA_F

ClientSampleId :

PL-01-052324

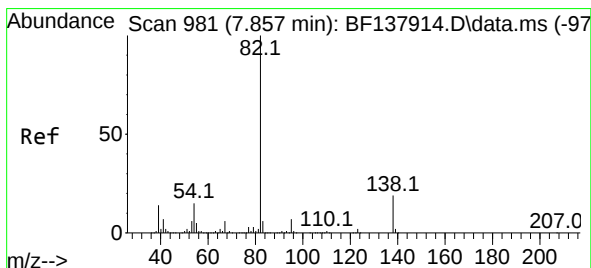
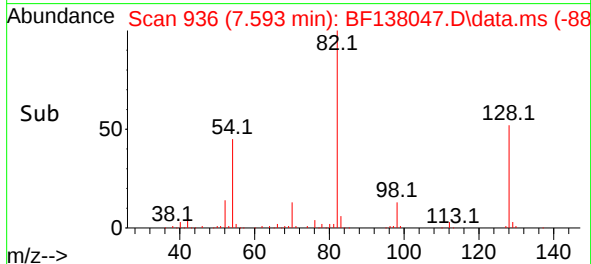
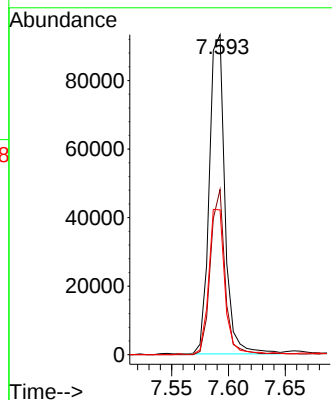
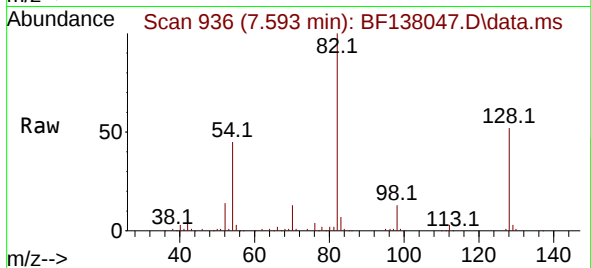
Tgt Ion: 82 Resp: 89016

Ion Ratio Lower Upper

82 100

128 51.6 40.3 60.5

54 45.2 36.8 55.2



#25

Isophorone

Concen: 6.047 ng

RT: 7.593 min Scan# 936

Delta R.T. -0.265 min

Lab File: BF138047.D

Acq: 28 May 2024 15:08

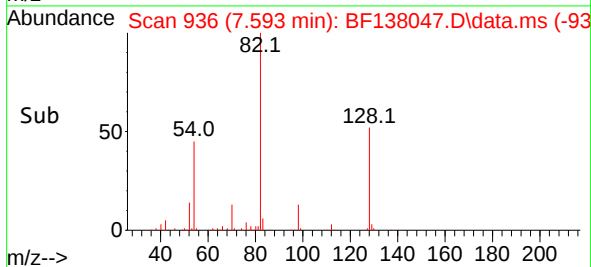
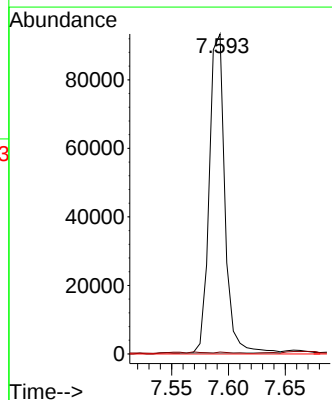
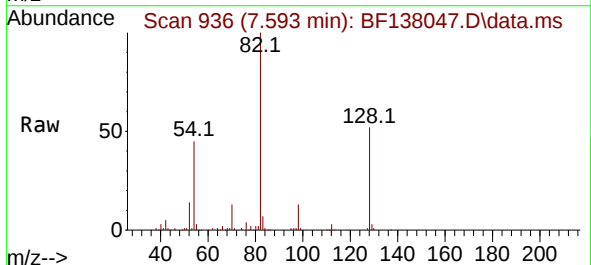
Tgt Ion: 82 Resp: 89016

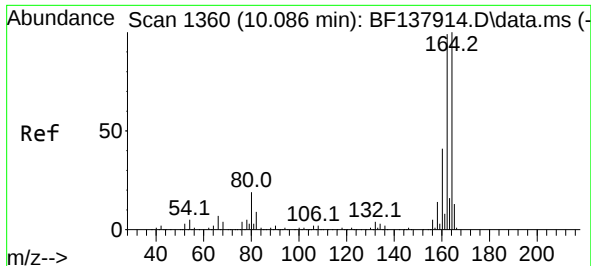
Ion Ratio Lower Upper

82 100

95 0.6 6.0 9.0#

138 0.0 15.0 22.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.081 min Scan# 1

Delta R.T. -0.005 min

Lab File: BF138047.D

Acq: 28 May 2024 15:08

Instrument :

BNA_F

ClientSampleId :

PL-01-052324

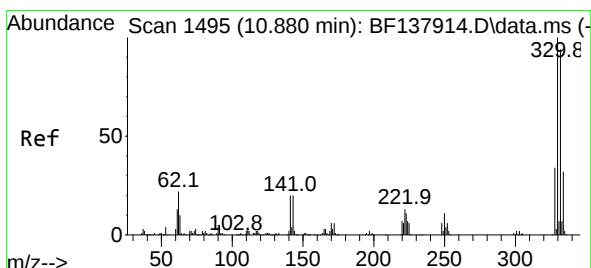
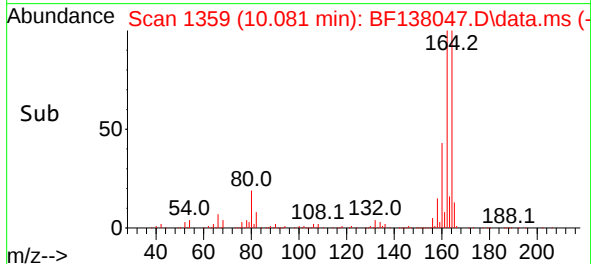
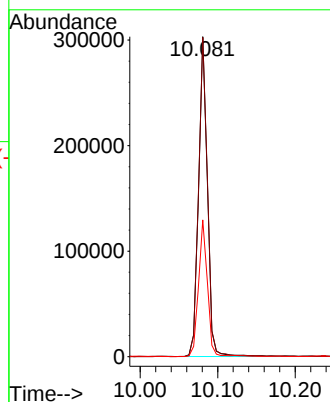
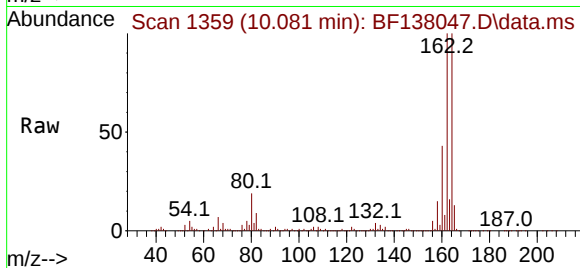
Tgt Ion:164 Resp: 240118

Ion Ratio Lower Upper

164 100

162 99.7 79.4 119.2

160 42.7 33.1 49.7



#42

2,4,6-Tribromophenol

Concen: 13.017 ng

RT: 10.869 min Scan# 1493

Delta R.T. -0.012 min

Lab File: BF138047.D

Acq: 28 May 2024 15:08

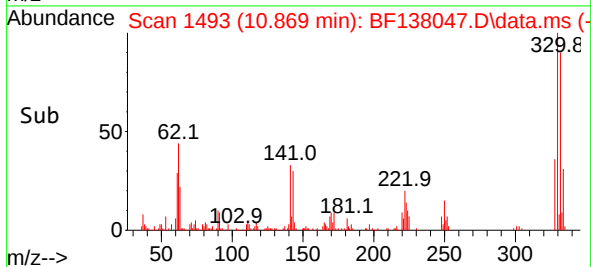
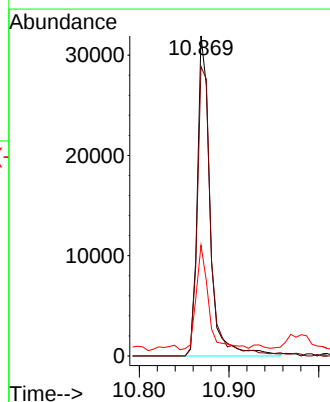
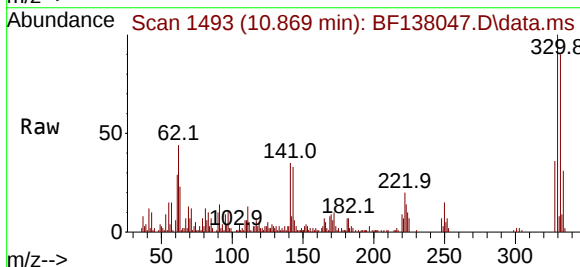
Tgt Ion:330 Resp: 31516

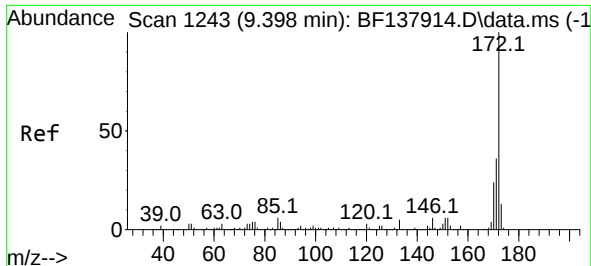
Ion Ratio Lower Upper

330 100

332 96.0 75.8 113.8

141 33.4 23.8 35.6





#45

2-Fluorobiphenyl

Concen: 12.730 ng

RT: 9.392 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138047.D

Acq: 28 May 2024 15:08

Instrument :

BNA_F

ClientSampleId :

PL-01-052324

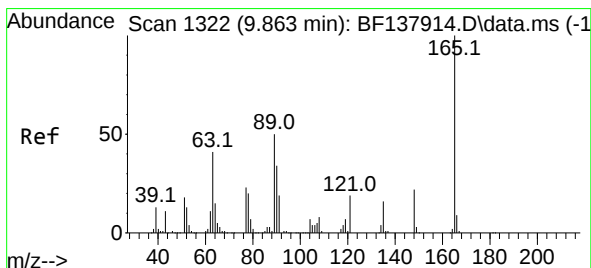
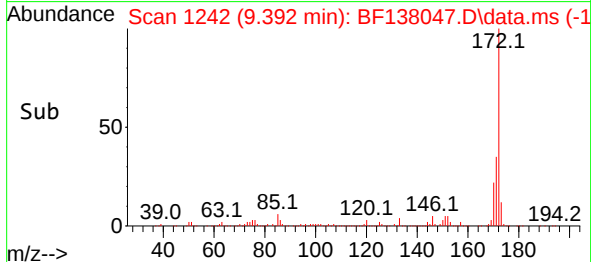
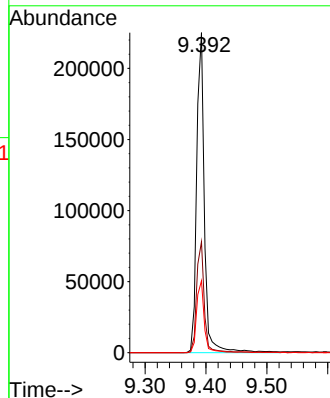
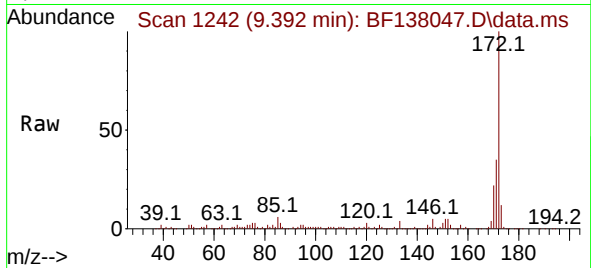
Tgt Ion:172 Resp: 198434

Ion Ratio Lower Upper

172 100

171 34.7 28.9 43.3

170 22.5 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 8.811 ng

RT: 10.081 min Scan# 1359

Delta R.T. 0.218 min

Lab File: BF138047.D

Acq: 28 May 2024 15:08

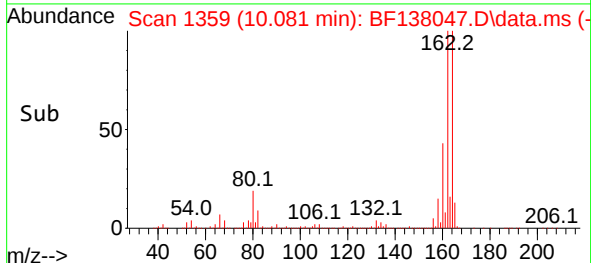
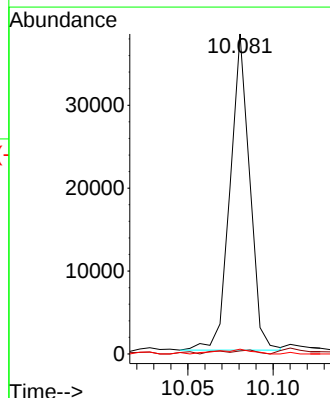
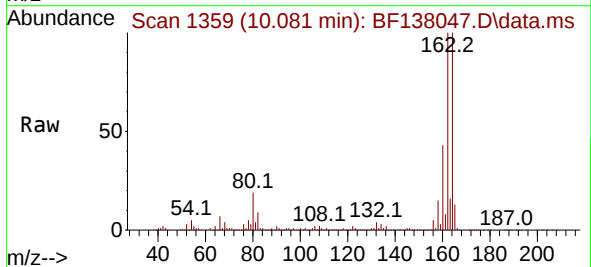
Tgt Ion:165 Resp: 30450

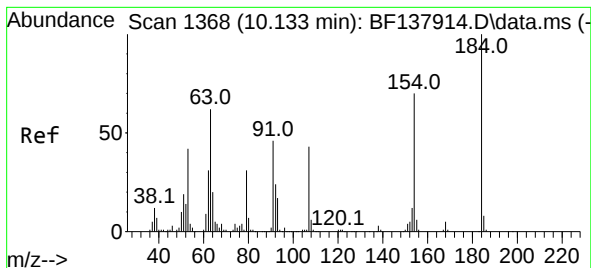
Ion Ratio Lower Upper

165 100

63 0.9 38.9 58.3#

89 1.5 40.4 60.6#

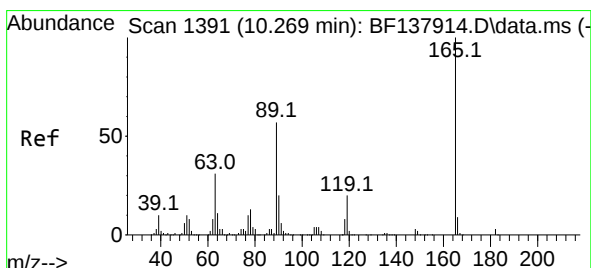
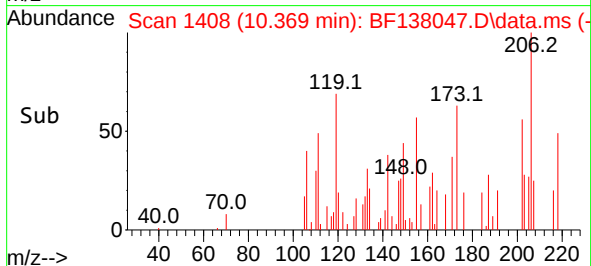
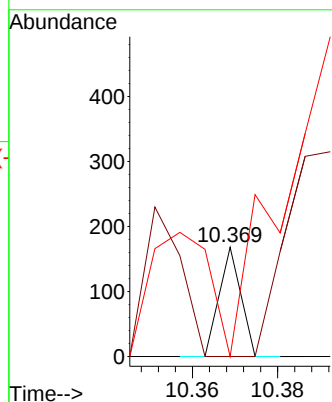
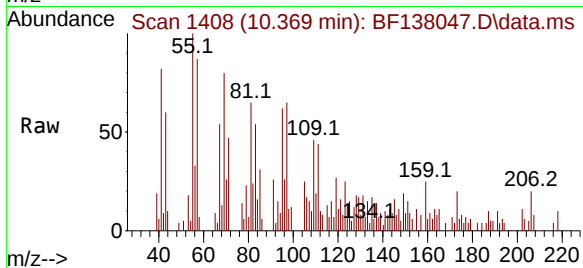




#54
2,4-Dinitrophenol
Concen: 6.996 ng
RT: 10.369 min Scan# 1408
Delta R.T. 0.236 min
Lab File: BF138047.D
Acq: 28 May 2024 15:08

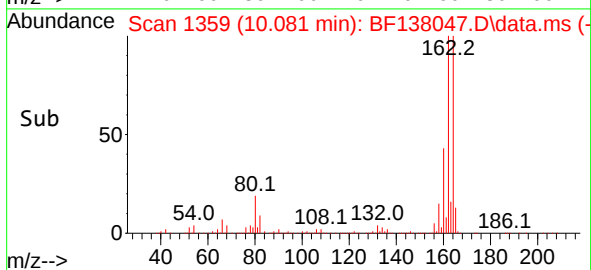
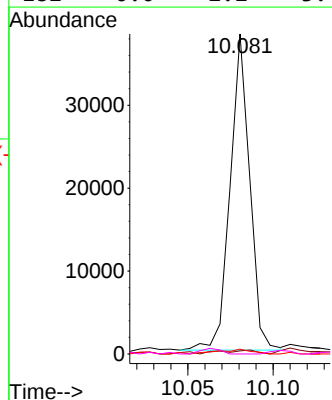
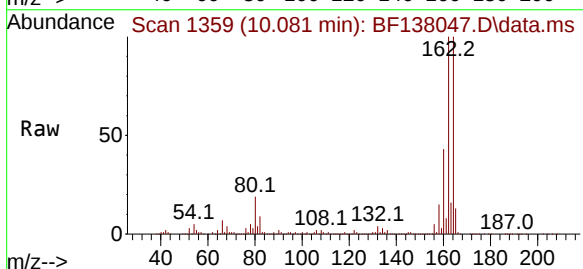
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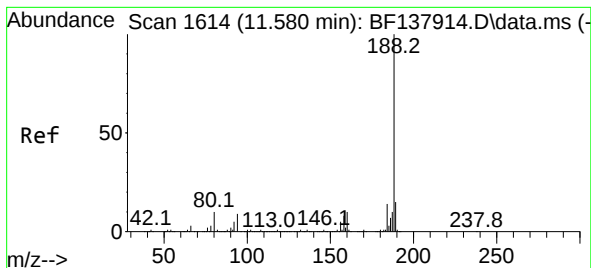
Tgt Ion:184 Resp: 59
Ion Ratio Lower Upper
184 100
63 0.0 50.4 75.6#
154 0.0 63.7 95.5#



#57
2,4-Dinitrotoluene
Concen: 6.816 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.188 min
Lab File: BF138047.D
Acq: 28 May 2024 15:08

Tgt Ion:165 Resp: 30450
Ion Ratio Lower Upper
165 100
63 0.9 25.3 37.9#
89 1.5 45.9 68.9#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.575 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138047.D

Acq: 28 May 2024 15:08

Instrument :

BNA_F

ClientSampleId :

PL-01-052324

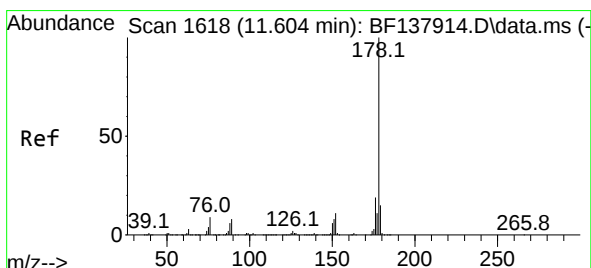
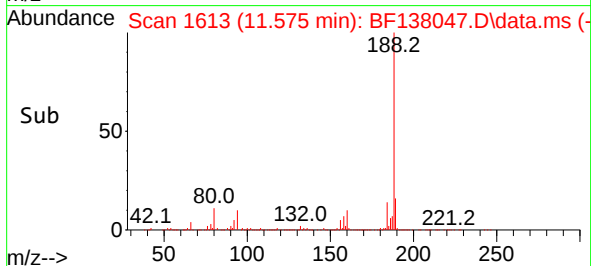
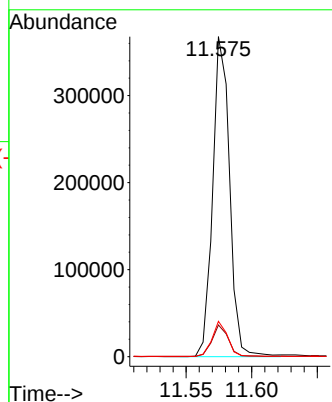
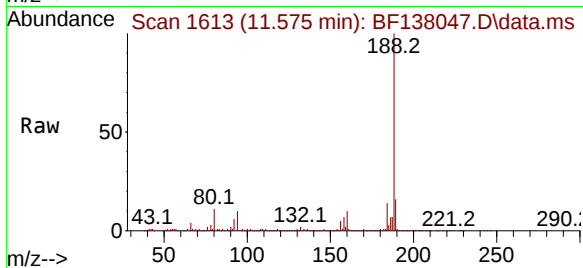
Tgt Ion:188 Resp: 329754

Ion Ratio Lower Upper

188 100

94 9.9 7.0 10.4

80 11.1 7.7 11.5



#71

Phenanthrene

Concen: 5.717 ng

RT: 11.598 min Scan# 1617

Delta R.T. -0.006 min

Lab File: BF138047.D

Acq: 28 May 2024 15:08

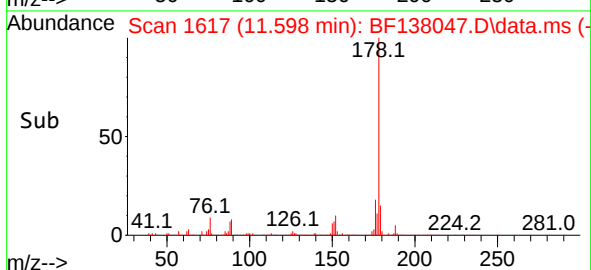
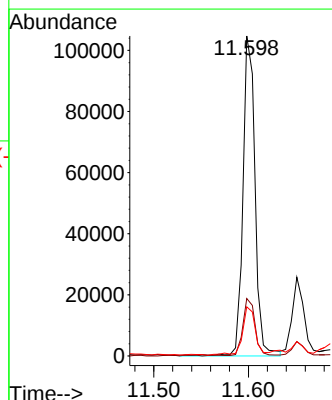
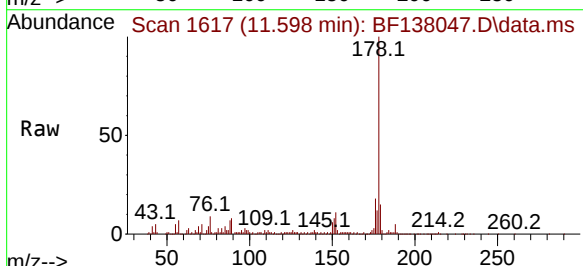
Tgt Ion:178 Resp: 92901

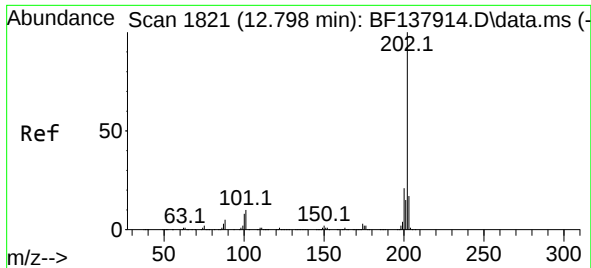
Ion Ratio Lower Upper

178 100

176 17.9 15.2 22.8

179 15.3 12.2 18.4

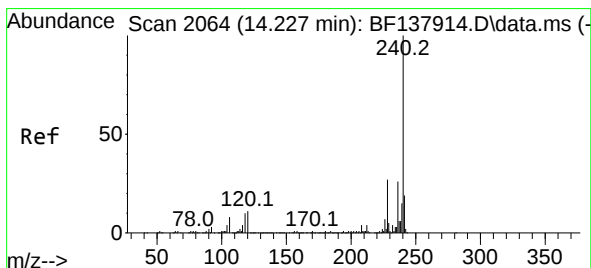
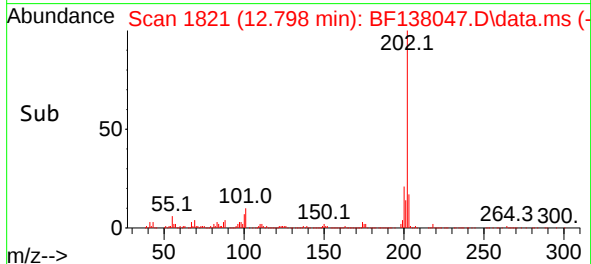
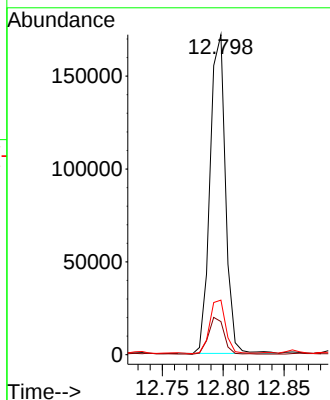
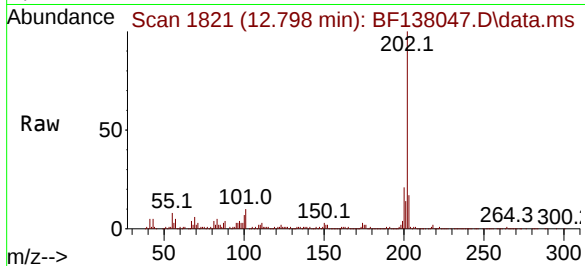




#75
Fluoranthene
Concen: 9.226 ng
RT: 12.798 min Scan# 1821
Delta R.T. 0.000 min
Lab File: BF138047.D
Acq: 28 May 2024 15:08

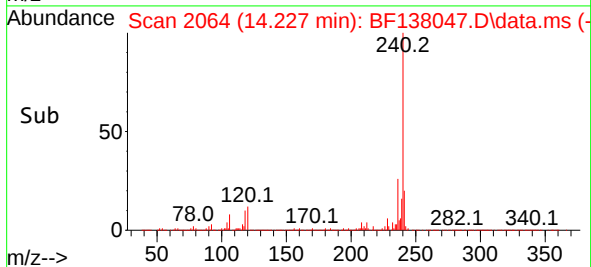
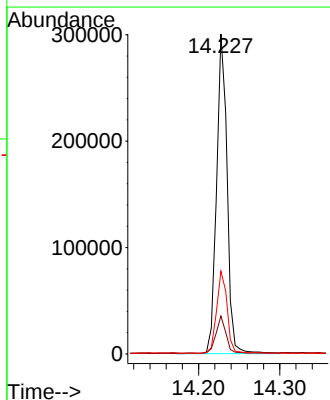
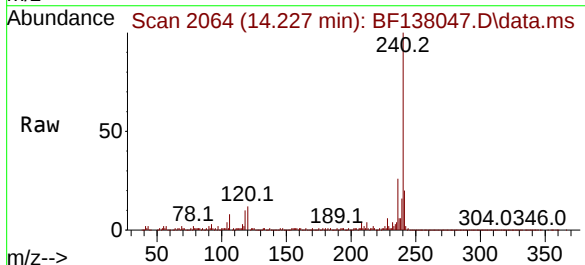
Instrument :
BNA_F
ClientSampleId :
PL-01-052324

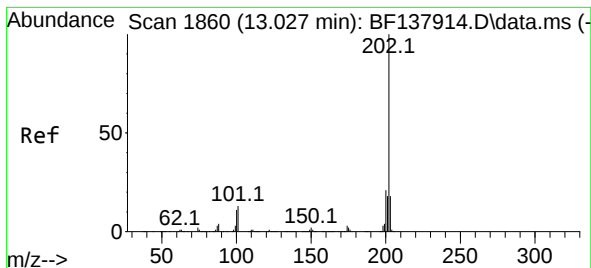
Tgt Ion:202 Resp: 152168
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.5
203 17.1 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.227 min Scan# 2064
Delta R.T. 0.000 min
Lab File: BF138047.D
Acq: 28 May 2024 15:08

Tgt Ion:240 Resp: 270262
Ion Ratio Lower Upper
240 100
120 11.8 8.9 13.3
236 25.8 21.0 31.4





#78

Pyrene

Concen: 6.311 ng

RT: 13.027 min Scan# 1860

Delta R.T. 0.000 min

Lab File: BF138047.D

Acq: 28 May 2024 15:08

Instrument :

BNA_F

ClientSampleId :

PL-01-052324

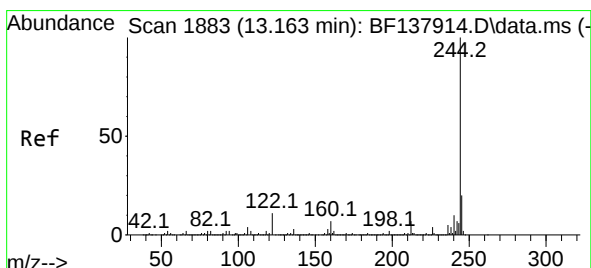
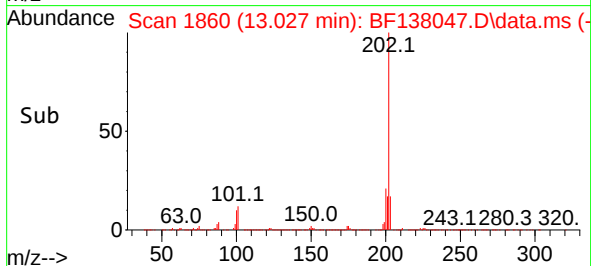
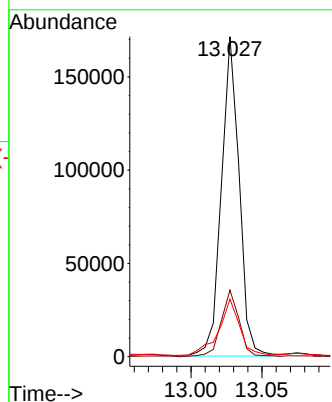
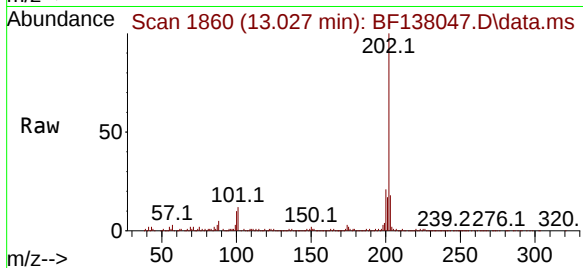
Tgt Ion:202 Resp: 149170

Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.4

203 18.0 14.1 21.1



#79

Terphenyl-d14

Concen: 8.965 ng

RT: 13.163 min Scan# 1883

Delta R.T. 0.000 min

Lab File: BF138047.D

Acq: 28 May 2024 15:08

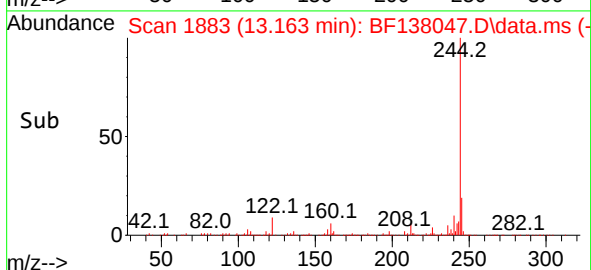
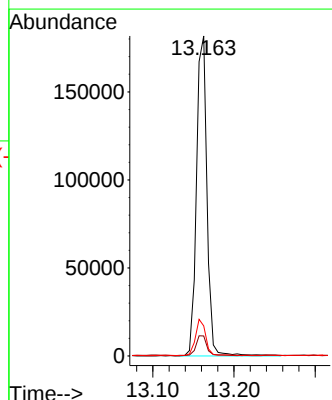
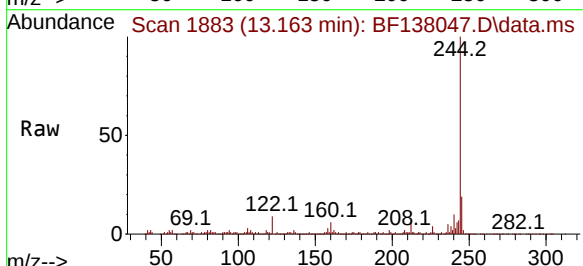
Tgt Ion:244 Resp: 164404

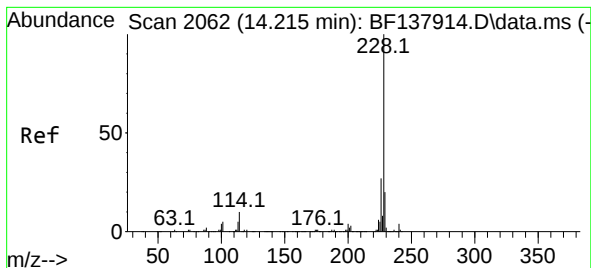
Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

122 9.4 8.8 13.2





#81

Benzo(a)anthracene

Concen: 3.697 ng

RT: 14.216 min Scan# 2062

Delta R.T. 0.000 min

Lab File: BF138047.D

Acq: 28 May 2024 15:08

Instrument :

BNA_F

ClientSampleId :

PL-01-052324

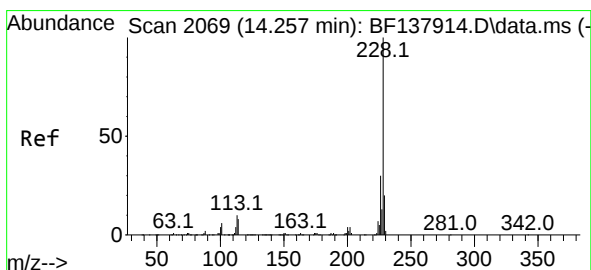
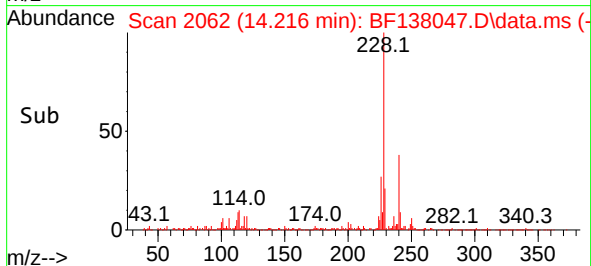
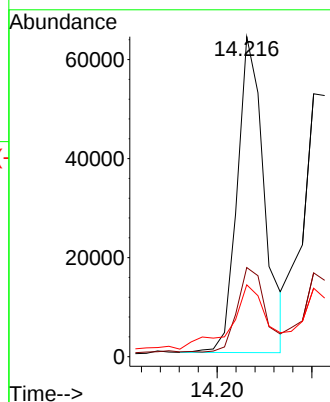
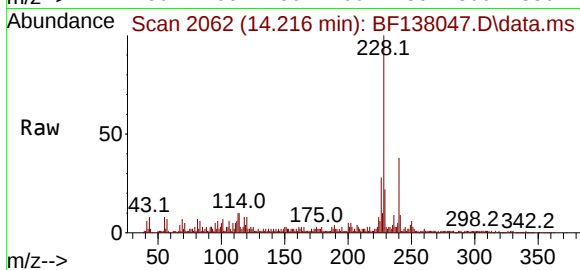
Tgt Ion:228 Resp: 63211

Ion Ratio Lower Upper

228 100

226 27.9 21.3 31.9

229 22.4 15.7 23.5



#83

Chrysene

Concen: 3.866 ng

RT: 14.216 min Scan# 2062

Delta R.T. -0.041 min

Lab File: BF138047.D

Acq: 28 May 2024 15:08

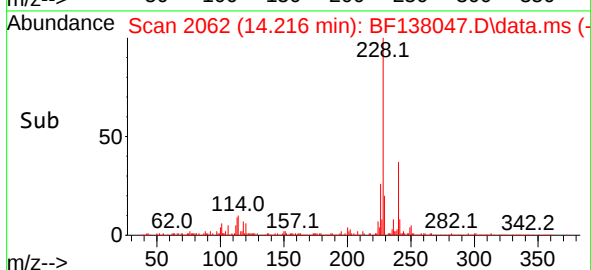
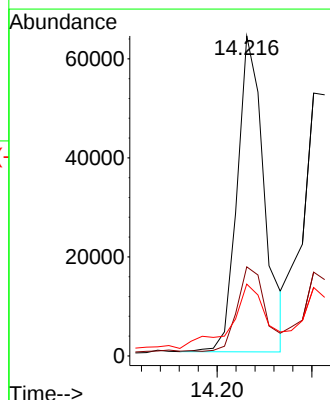
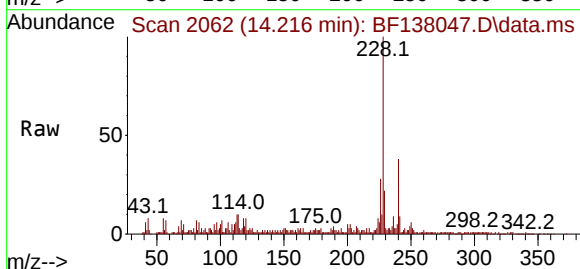
Tgt Ion:228 Resp: 63211

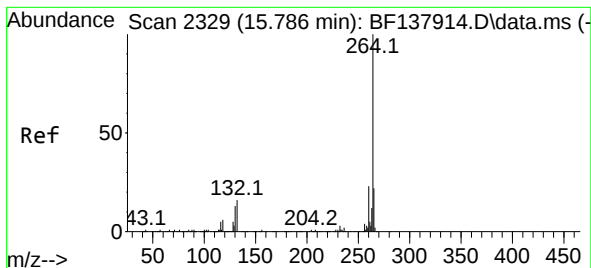
Ion Ratio Lower Upper

228 100

226 27.9 23.8 35.8

229 22.4 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.798 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF138047.D

Acq: 28 May 2024 15:08

Instrument :

BNA_F

ClientSampleId :

PL-01-052324

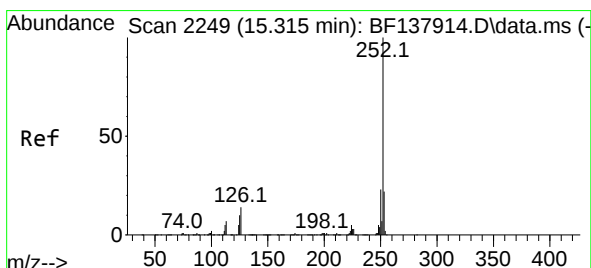
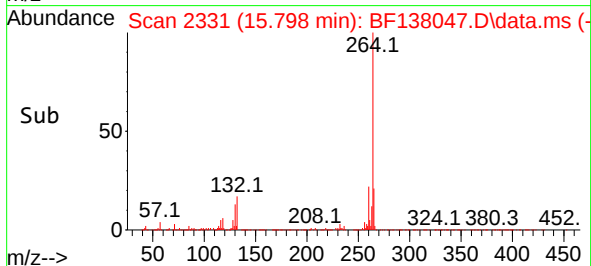
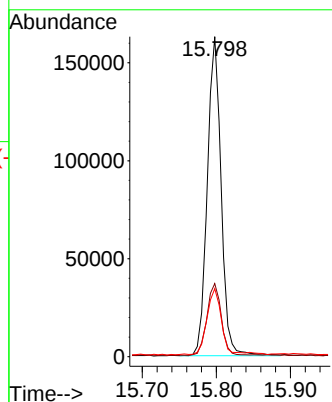
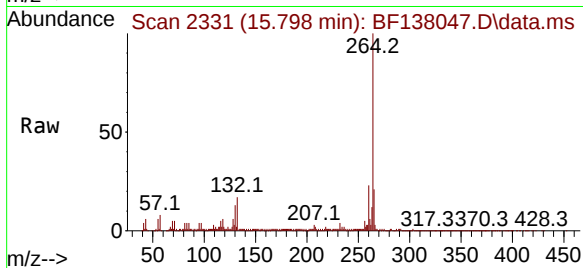
Tgt Ion:264 Resp: 211074

Ion Ratio Lower Upper

264 100

260 22.8 18.3 27.5

265 21.3 17.6 26.4



#88

Benzo(b)fluoranthene

Concen: 5.888 ng

RT: 15.321 min Scan# 2250

Delta R.T. 0.006 min

Lab File: BF138047.D

Acq: 28 May 2024 15:08

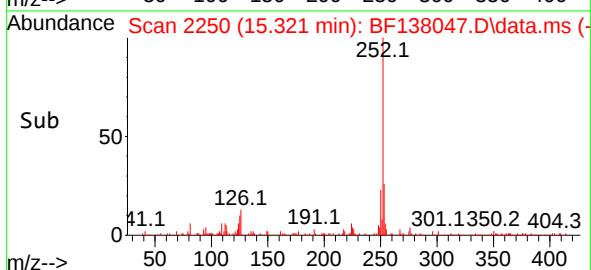
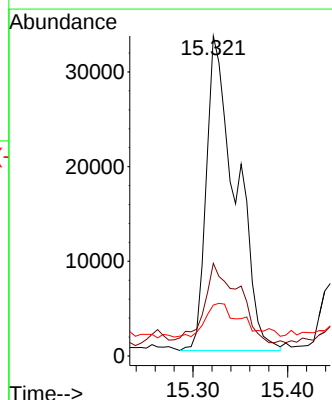
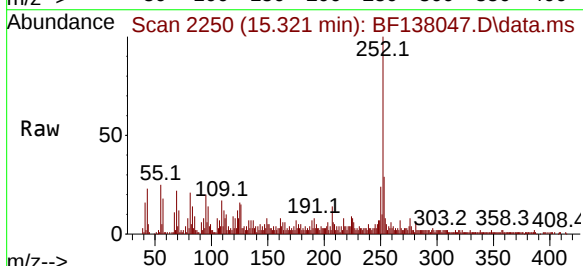
Tgt Ion:252 Resp: 71956

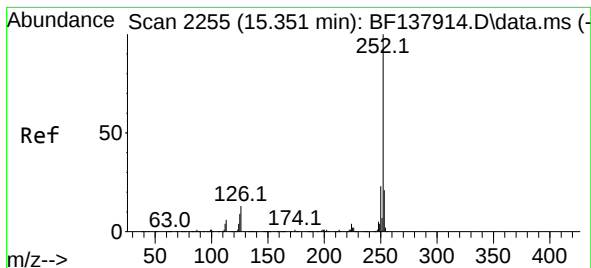
Ion Ratio Lower Upper

252 100

253 28.9 17.6 26.4#

125 15.9 8.2 12.4#





#89

Benzo(k)fluoranthene

Concen: 5.993 ng

RT: 15.321 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF138047.D

Acq: 28 May 2024 15:08

Instrument :

BNA_F

ClientSampleId :

PL-01-052324

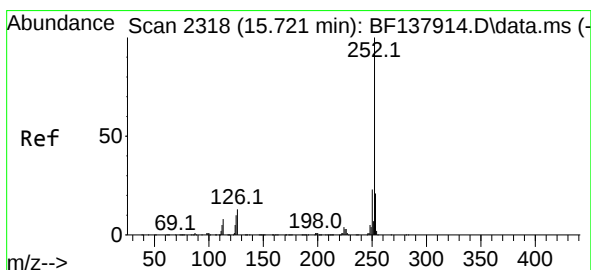
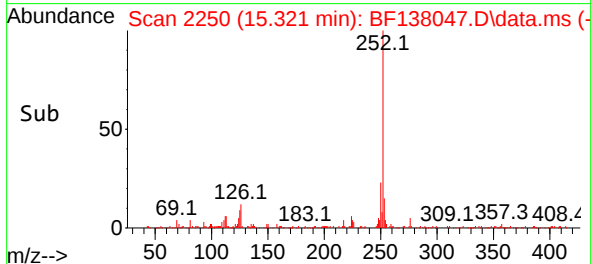
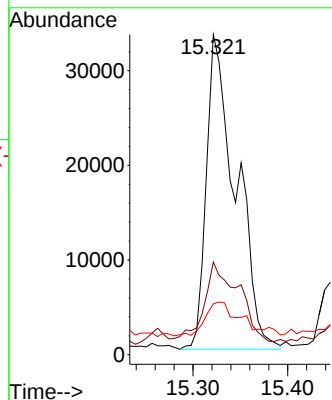
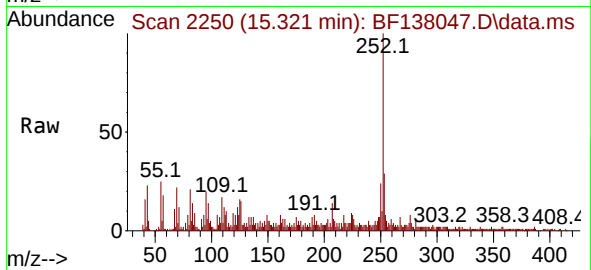
Tgt Ion:252 Resp: 71956

Ion Ratio Lower Upper

252 100

253 28.9 17.4 26.0#

125 15.9 7.7 11.5#



#90

Benzo(a)pyrene

Concen: 3.447 ng

RT: 15.727 min Scan# 2319

Delta R.T. 0.006 min

Lab File: BF138047.D

Acq: 28 May 2024 15:08

Tgt Ion:252 Resp: 35971

Ion Ratio Lower Upper

252 100

253 25.0 17.0 25.6

125 17.7 7.8 11.8#

