

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
 Data File : BM050437.D
 Acq On : 14 Jul 2025 22:14
 Operator : RC/JU
 Sample : Q2489-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G2(6-12)

Quant Time: Jul 15 02:04:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 08 18:32:25 2025
 Response via : Initial Calibration

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

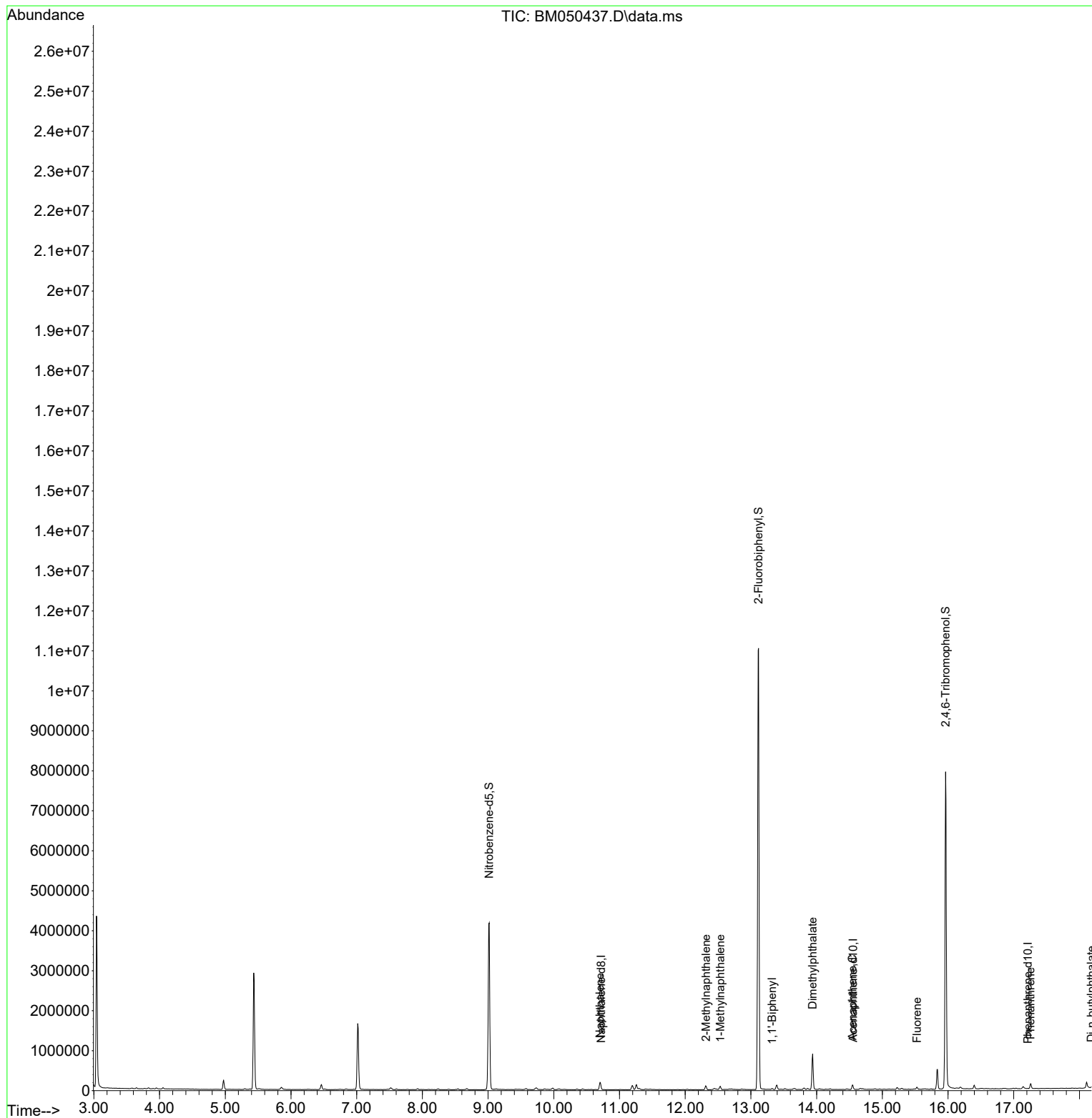
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ng	-7.86
21) Naphthalene-d8	10.722	136	53	20.000	ng	# 0.06
39) Acenaphthene-d10	14.557	164	73	20.000	ng	# 0.06
64) Phenanthrene-d10	17.215	188	595	20.000	ng	#-0.01
76) Chrysene-d12	0.000	240	0m	20.000	ng	-21.46
86) Perylene-d12	24.444	264	69	20.000	ng	#-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1220295	0.000	ng	0.00
7) Phenol-d6	7.016	99	879374	0.000	ng	0.00
23) Nitrobenzene-d5	9.016	82	2318738	2232030.045	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	1451490	1636483.002	ng	-0.01
45) 2-Fluorobiphenyl	13.116	172	5822152	984926.479	ng	0.00
79) Terphenyl-d14	19.827	244	10281609	0.000	ng	-0.02
Target Compounds						
						Qvalue
31) Naphthalene	10.704	128	148388	55121.405	ng	98
37) 2-Methylnaphthalene	12.316	142	44769	26338.511	ng	97
38) 1-Methylnaphthalene	12.533	142	35663	19825.377	ng	# 89
46) 1,1'-Biphenyl	13.322	154	9102	1680.539	ng	88
50) Dimethylphthalate	13.939	163	564587	112336.315	ng	99
52) Acenaphthene	14.545	154	39457	9509.771	ng	96
58) Fluorene	15.527	166	22346	4243.683	ng	94
71) Phenanthrene	17.257	178	74735	2219.733	ng	99
74) Di-n-butylphthalate	18.180	149	12453	375.194	ng	99
75) Fluoranthene	19.262	202	14900	407.088	ng	92

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

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G2(6-12)

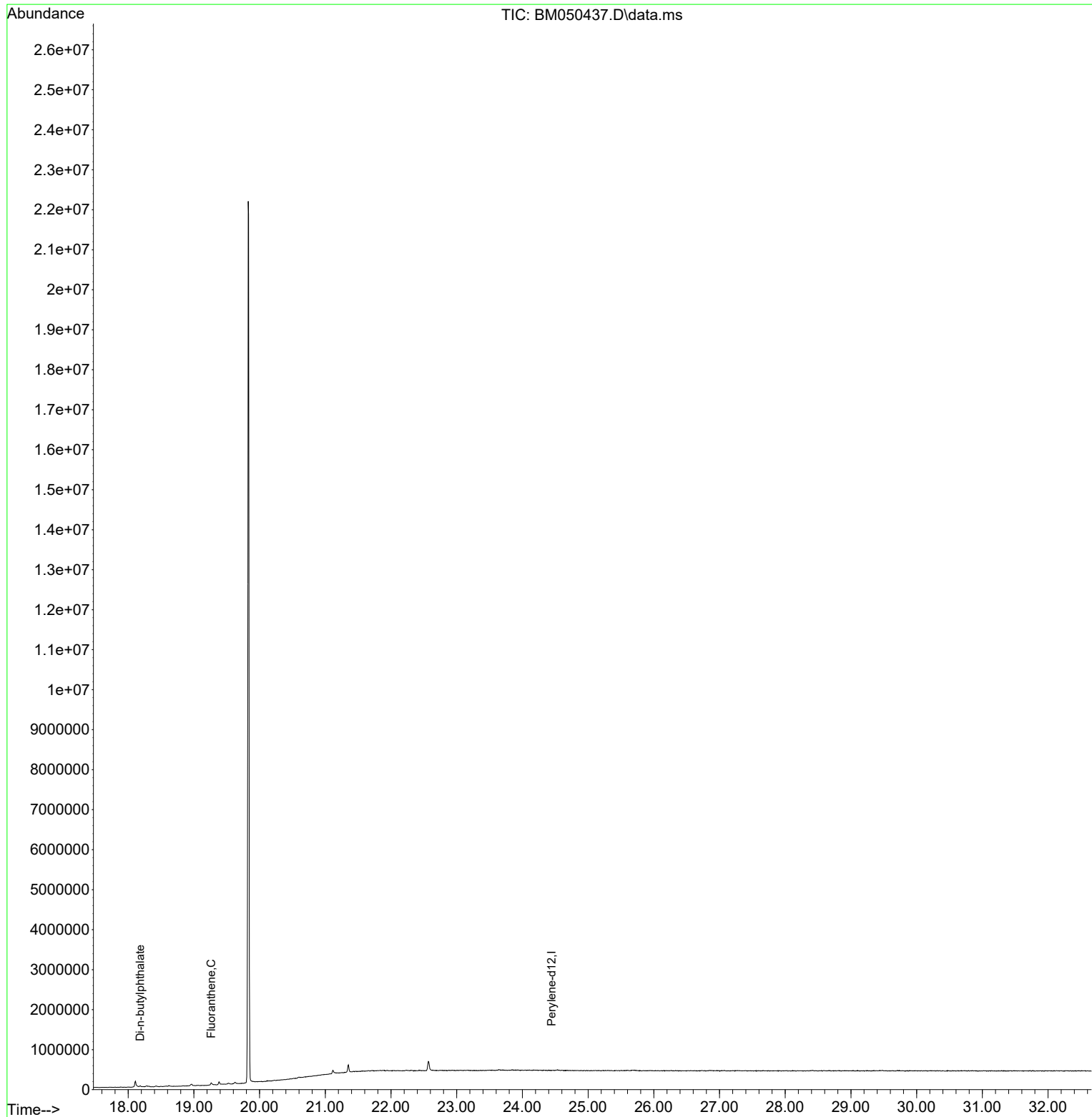
Quant Time: Jul 15 02:04:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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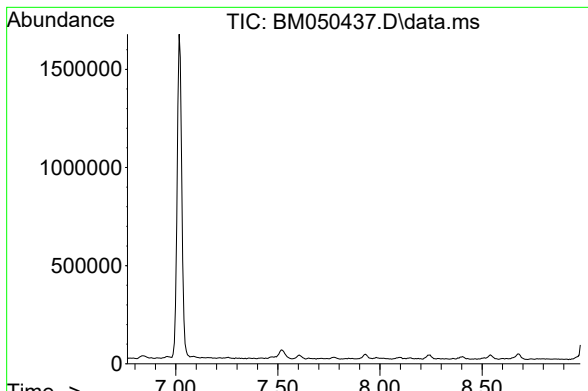


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
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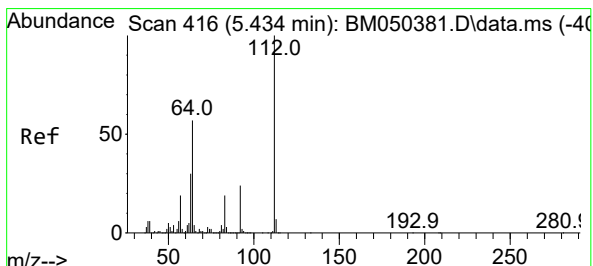
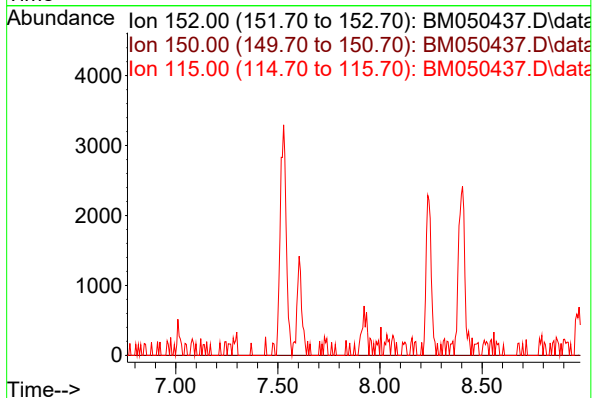


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 7.86 min
 Lab File: BM050437.D
 Acq: 14 Jul 2025 22:14

Instrument :
 BNA_M
 ClientSampleId :
 G2(6-12)

Tgt Ion: 152

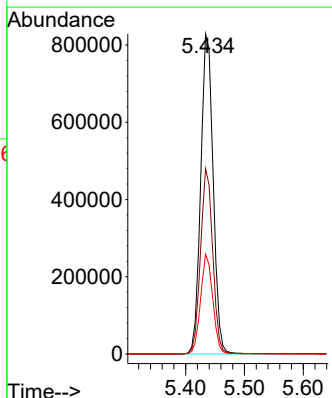
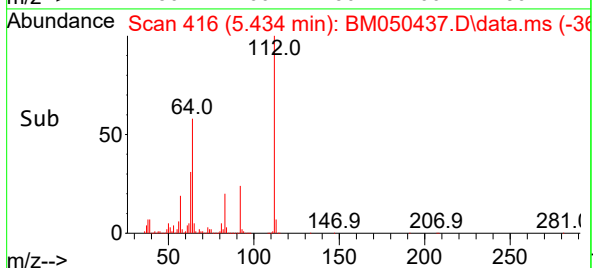
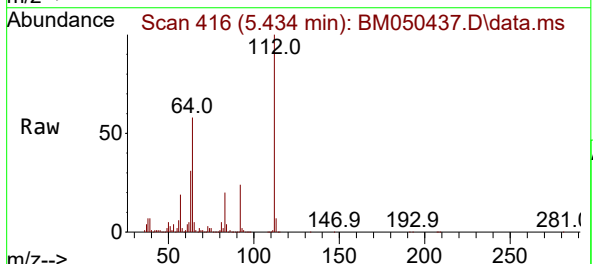
Sig	Exp Ratio
152	100
150	157.8
115	57.3

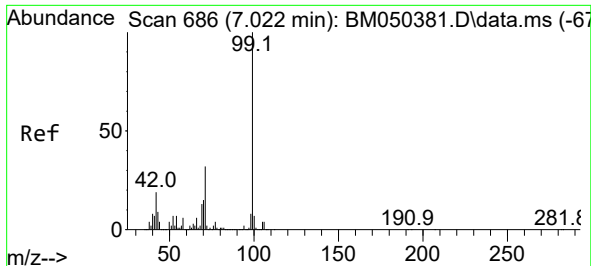


#5
 2-Fluorophenol
 Concen: 0.000 ng
 RT: 5.434 min Scan# 416
 Delta R.T. 0.000 min
 Lab File: BM050437.D
 Acq: 14 Jul 2025 22:14

Tgt Ion: 112 Resp: 1220295

Ion	Ratio	Lower	Upper
112	100		
64	57.9	45.5	68.3
63	31.2	24.2	36.4

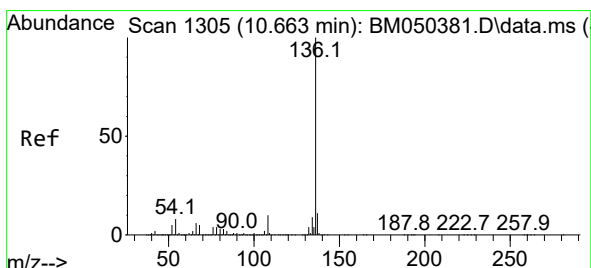
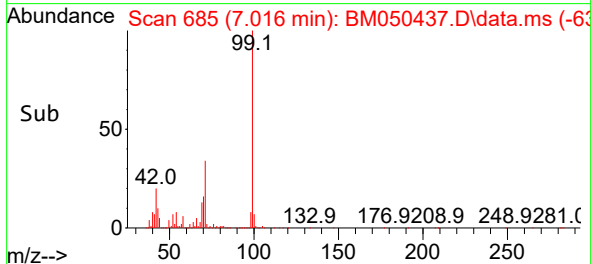
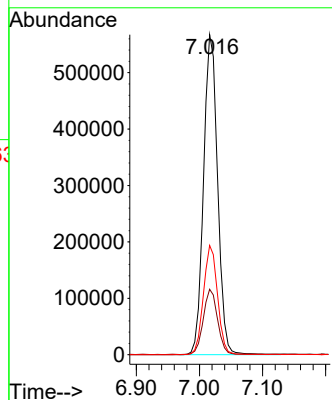
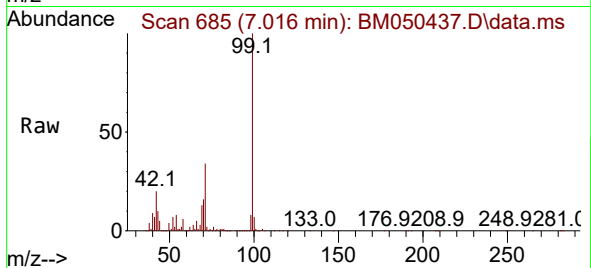




#7
Phenol-d6
Concen: 0.000 ng
RT: 7.016 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM050437.D
Acq: 14 Jul 2025 22:14

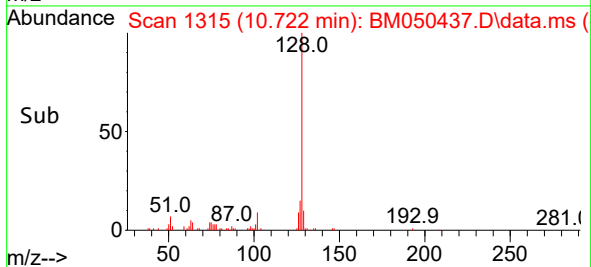
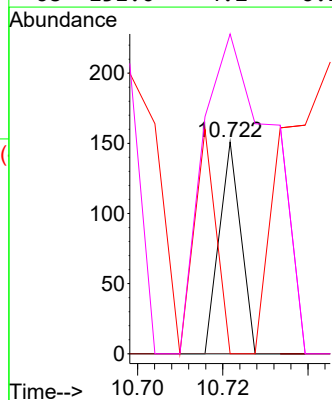
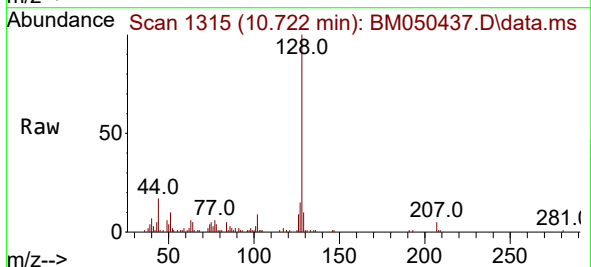
Instrument :
BNA_M
ClientSampleId :
G2(6-12)

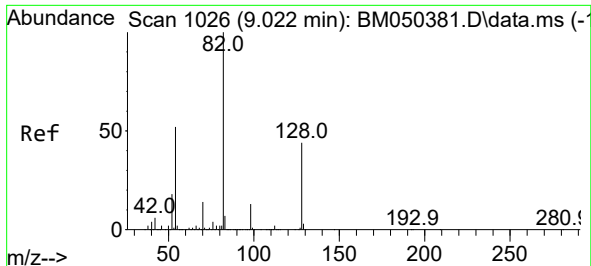
Tgt Ion: 99 Resp: 879374
Ion Ratio Lower Upper
99 100
42 20.4 15.0 22.6
71 34.1 25.9 38.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.722 min Scan# 1315
Delta R.T. 0.059 min
Lab File: BM050437.D
Acq: 14 Jul 2025 22:14

Tgt Ion: 136 Resp: 53
Ion Ratio Lower Upper
136 100
137 0.0 8.8 13.2#
54 0.0 6.3 9.5#
68 151.0 4.2 6.2#

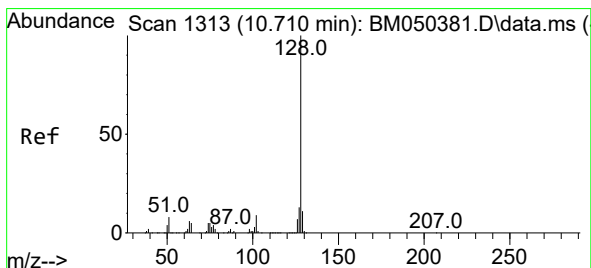
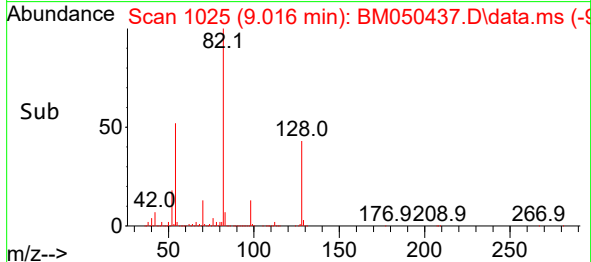
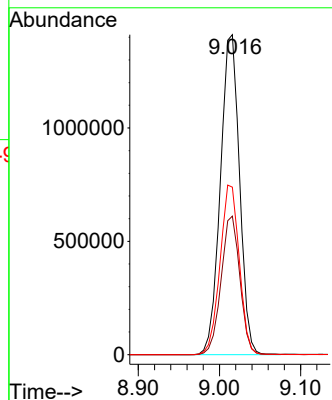
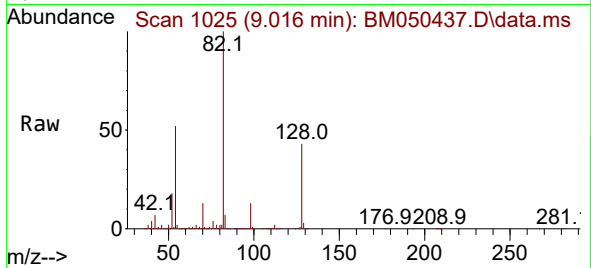




#23
Nitrobenzene-d5
Concen: 2232030.045 ng
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM050437.D
Acq: 14 Jul 2025 22:14

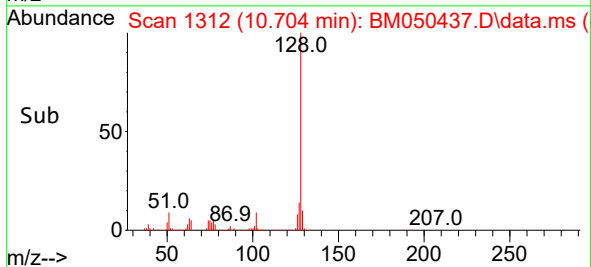
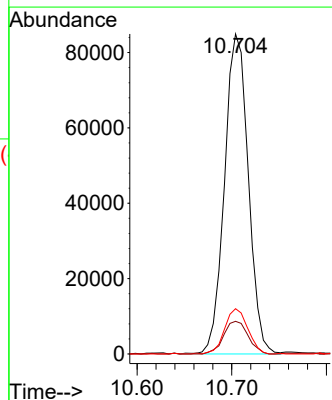
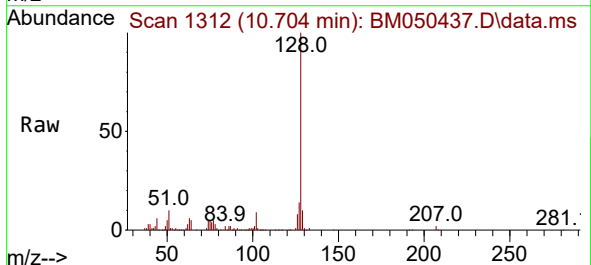
Instrument :
BNA_M
ClientSampleId :
G2(6-12)

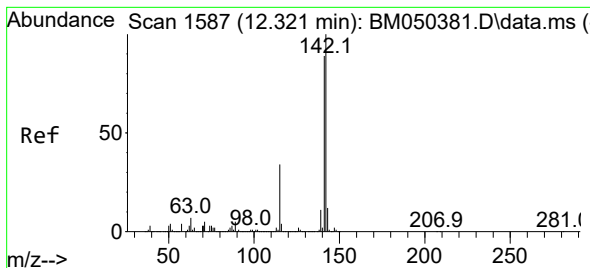
Tgt Ion: 82 Resp: 2318738
Ion Ratio Lower Upper
82 100
128 43.3 35.2 52.8
54 52.3 41.5 62.3



#31
Naphthalene
Concen: 55121.405 ng
RT: 10.704 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BM050437.D
Acq: 14 Jul 2025 22:14

Tgt Ion: 128 Resp: 148388
Ion Ratio Lower Upper
128 100
129 10.2 8.8 13.2
127 14.1 10.4 15.6





#37

2-Methylnaphthalene

Concen: 26338.511 ng

RT: 12.316 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM050437.D

Acq: 14 Jul 2025 22:14

Instrument :

BNA_M

ClientSampleId :

G2(6-12)

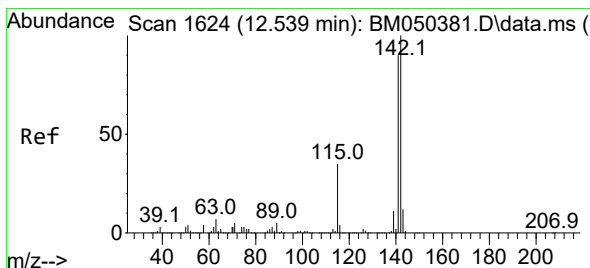
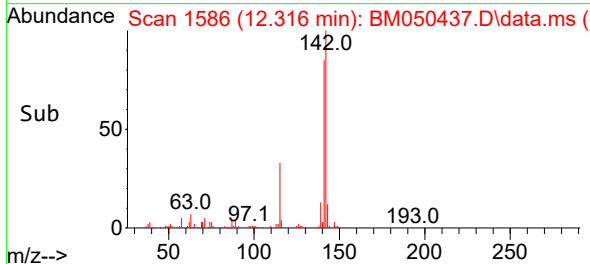
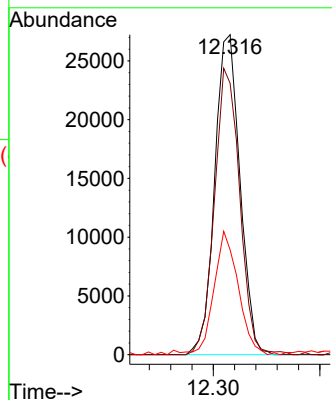
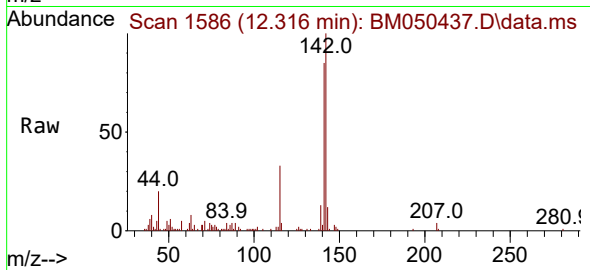
Tgt Ion:142 Resp: 44769

Ion Ratio Lower Upper

142 100

141 84.8 70.8 106.2

115 32.8 27.0 40.4



#38

1-Methylnaphthalene

Concen: 19825.377 ng

RT: 12.533 min Scan# 1623

Delta R.T. -0.006 min

Lab File: BM050437.D

Acq: 14 Jul 2025 22:14

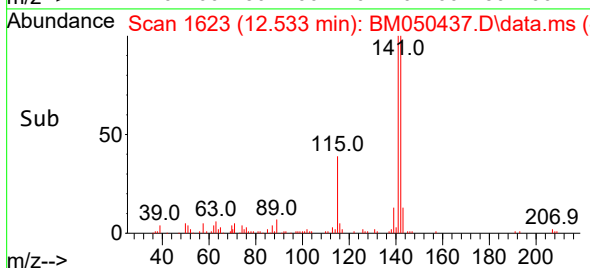
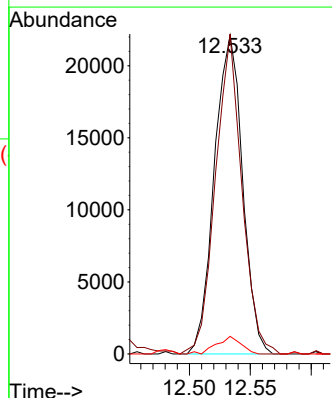
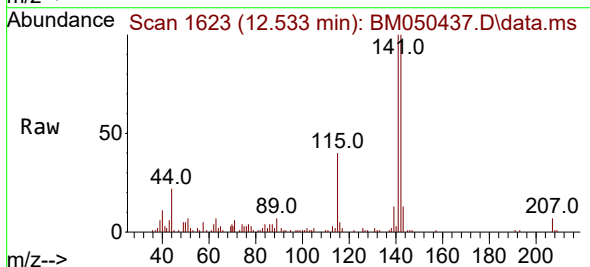
Tgt Ion:142 Resp: 35663

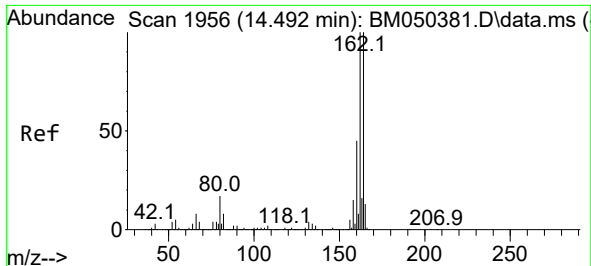
Ion Ratio Lower Upper

142 100

141 100.5 71.9 107.9

116 5.5 3.0 4.6#

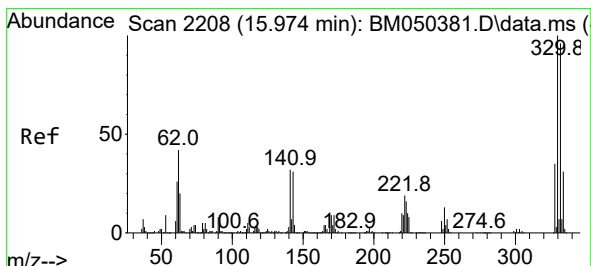
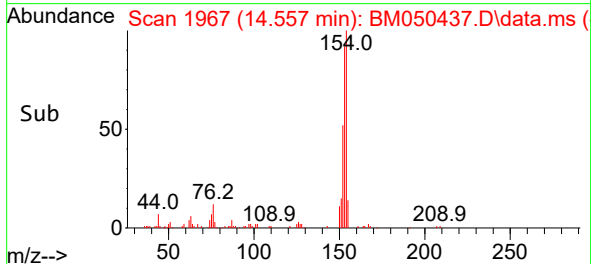
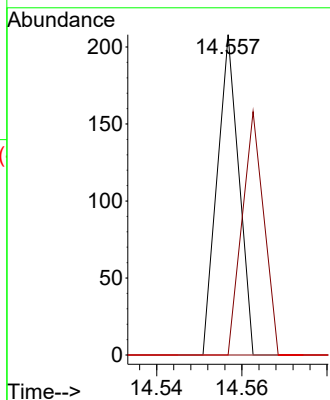
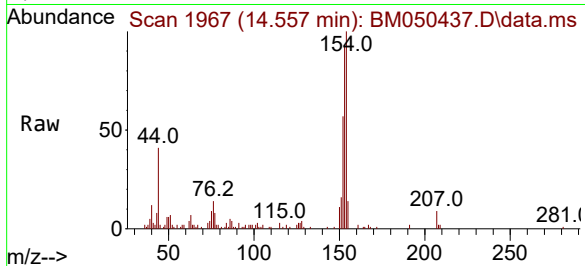




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.557 min Scan# 1956
Delta R.T. 0.065 min
Lab File: BM050437.D
Acq: 14 Jul 2025 22:14

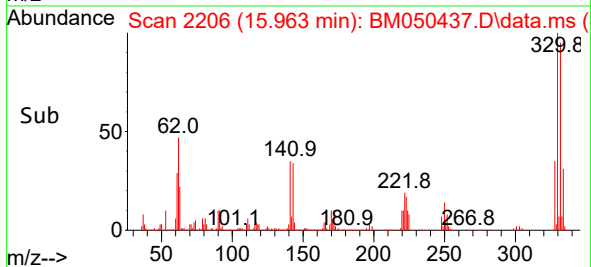
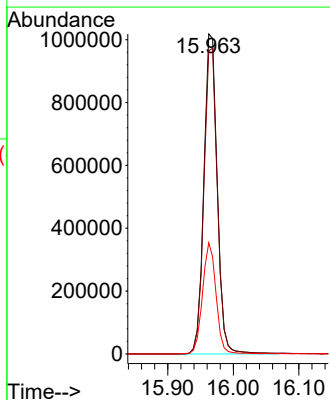
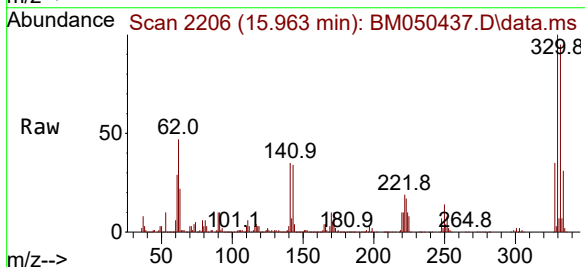
Instrument :
BNA_M
ClientSampleId :
G2(6-12)

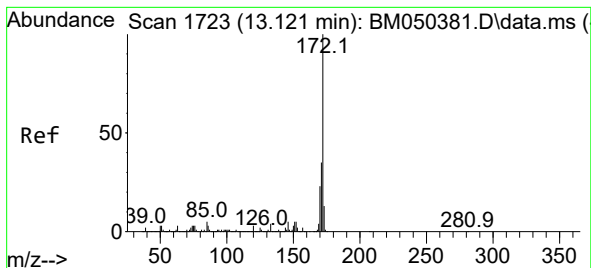
Tgt Ion:164 Resp: 73
Ion Ratio Lower Upper
164 100
162 0.0 79.9 119.9#
160 0.0 36.2 54.4#



#42
2,4,6-Tribromophenol
Concen: 1636483.002 ng
RT: 15.963 min Scan# 2206
Delta R.T. -0.012 min
Lab File: BM050437.D
Acq: 14 Jul 2025 22:14

Tgt Ion:330 Resp: 1451490
Ion Ratio Lower Upper
330 100
332 96.2 76.9 115.3
141 35.3 27.4 41.0





#45

2-Fluorobiphenyl

Concen: 984926.479 ng

RT: 13.116 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM050437.D

Acq: 14 Jul 2025 22:14

Instrument :

BNA_M

ClientSampleId :

G2(6-12)

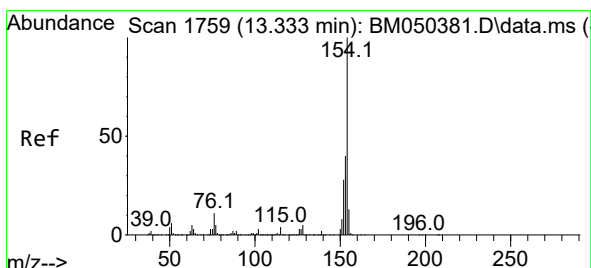
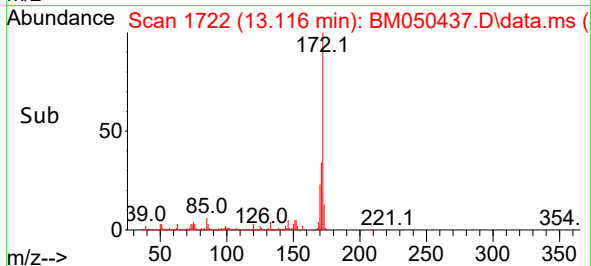
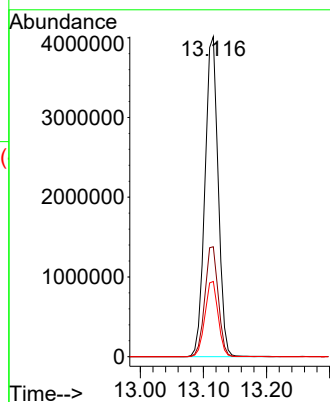
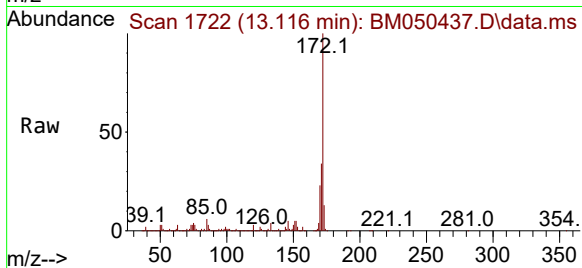
Tgt Ion:172 Resp: 5822152

Ion Ratio Lower Upper

172 100

171 34.4 27.7 41.5

170 23.5 18.8 28.2



#46

1,1'-Biphenyl

Concen: 1680.539 ng

RT: 13.322 min Scan# 1757

Delta R.T. -0.012 min

Lab File: BM050437.D

Acq: 14 Jul 2025 22:14

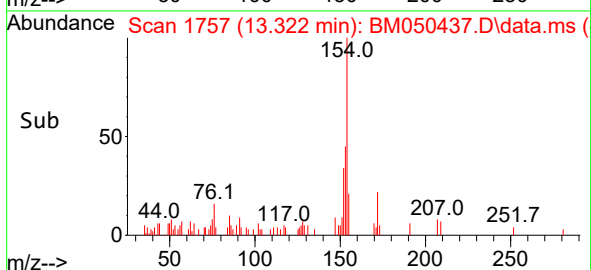
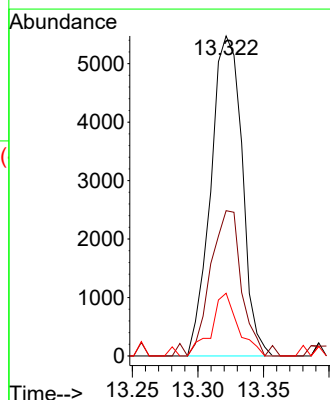
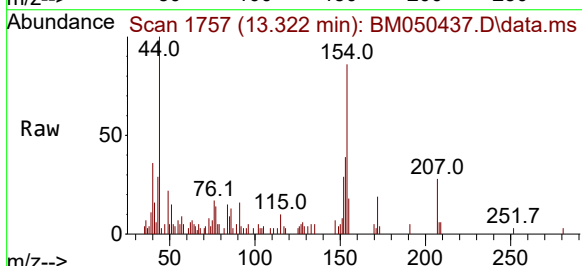
Tgt Ion:154 Resp: 9102

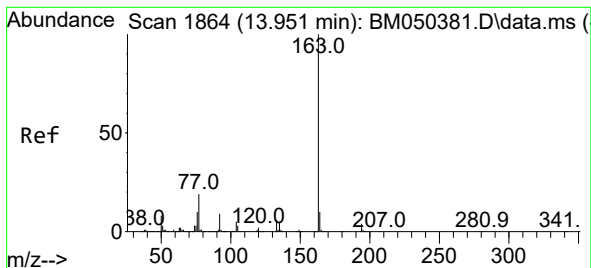
Ion Ratio Lower Upper

154 100

153 45.4 19.7 59.7

76 19.6 0.0 30.9





#50

Dimethylphthalate

Concen: 112336.315 ng

RT: 13.939 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM050437.D

Acq: 14 Jul 2025 22:14

Instrument :

BNA_M

ClientSampleId :

G2(6-12)

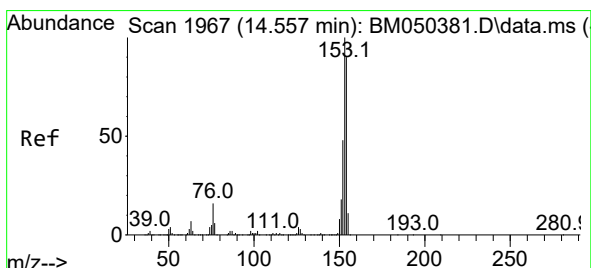
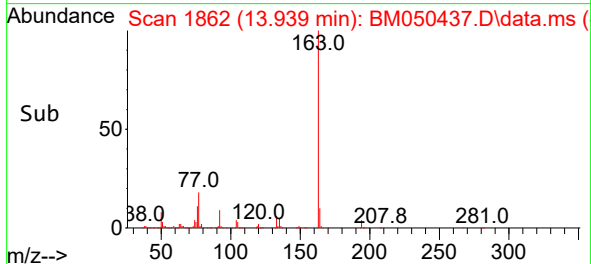
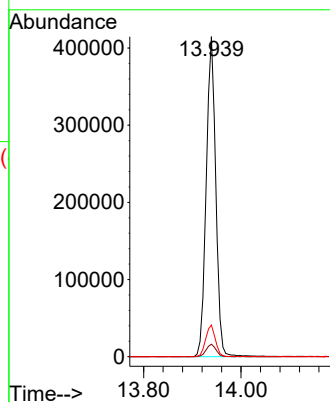
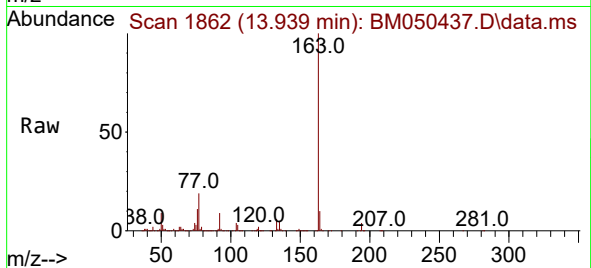
Tgt Ion:163 Resp: 564587

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.2

164 9.9 8.2 12.2



#52

Acenaphthene

Concen: 9509.771 ng

RT: 14.545 min Scan# 1965

Delta R.T. -0.012 min

Lab File: BM050437.D

Acq: 14 Jul 2025 22:14

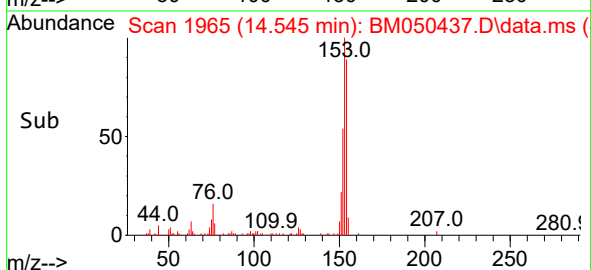
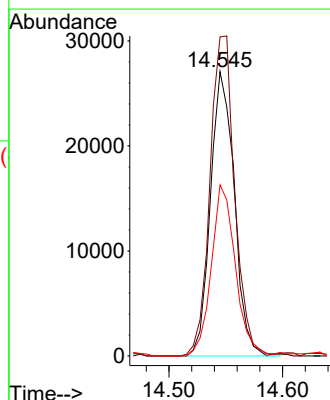
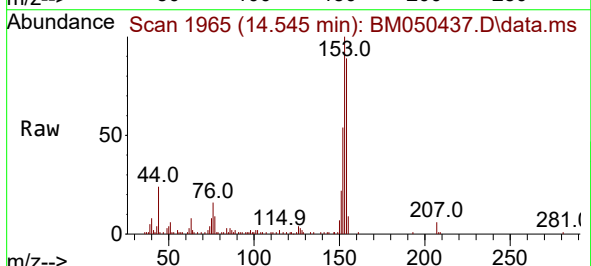
Tgt Ion:154 Resp: 39457

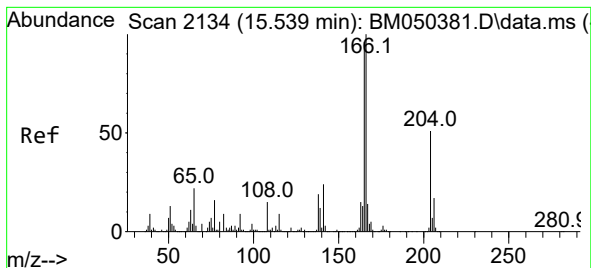
Ion Ratio Lower Upper

154 100

153 112.2 89.2 133.8

152 60.1 42.6 64.0





#58

Fluorene

Concen: 4243.683 ng

RT: 15.527 min Scan# 2132

Delta R.T. -0.012 min

Lab File: BM050437.D

Acq: 14 Jul 2025 22:14

Instrument :

BNA_M

ClientSampleId :

G2(6-12)

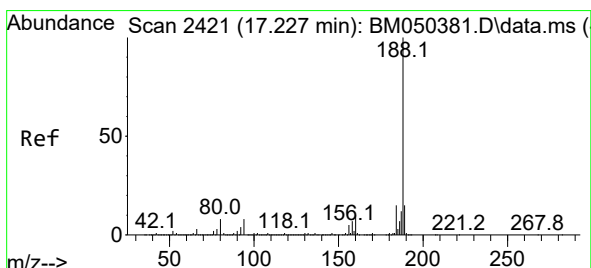
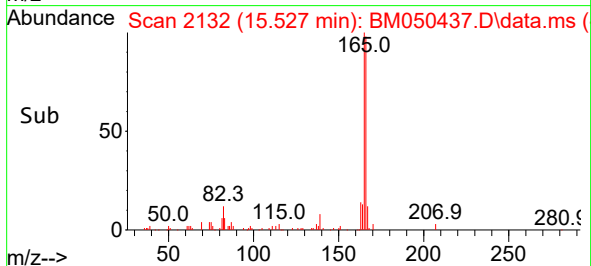
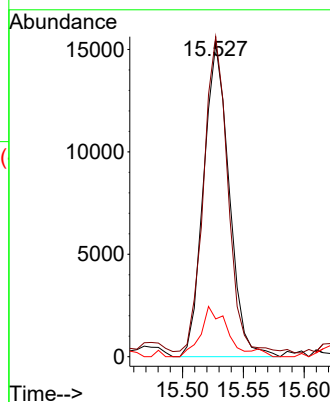
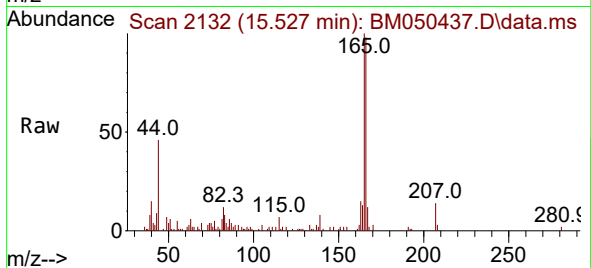
Tgt Ion:166 Resp: 22346

Ion Ratio Lower Upper

166 100

165 102.2 77.0 115.6

167 12.1 10.9 16.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.215 min Scan# 2419

Delta R.T. -0.012 min

Lab File: BM050437.D

Acq: 14 Jul 2025 22:14

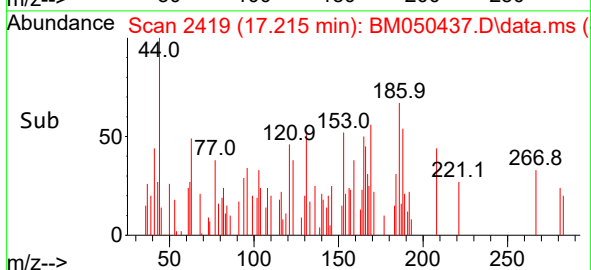
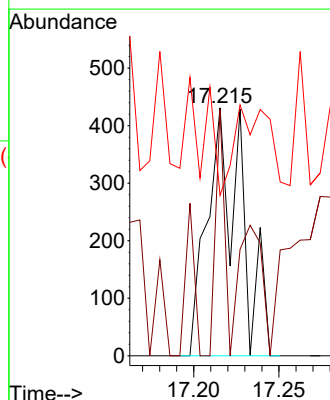
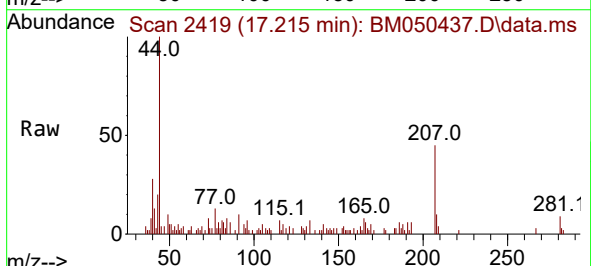
Tgt Ion:188 Resp: 595

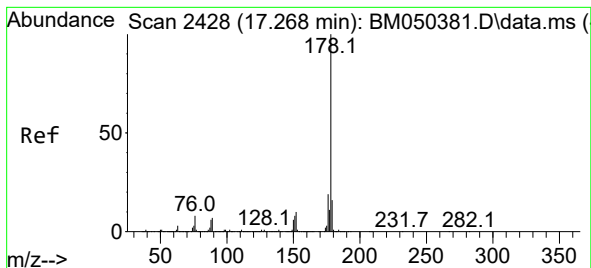
Ion Ratio Lower Upper

188 100

94 99.3 6.0 9.0#

80 64.7 6.5 9.7#





#71

Phenanthrene

Concen: 2219.733 ng

RT: 17.257 min Scan# 24

Delta R.T. -0.012 min

Lab File: BM050437.D

Acq: 14 Jul 2025 22:14

Instrument :

BNA_M

ClientSampleId :

G2(6-12)

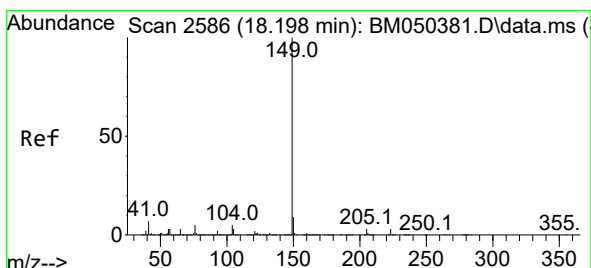
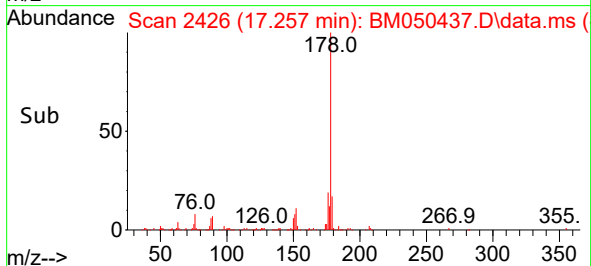
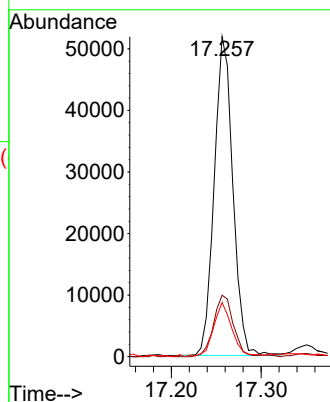
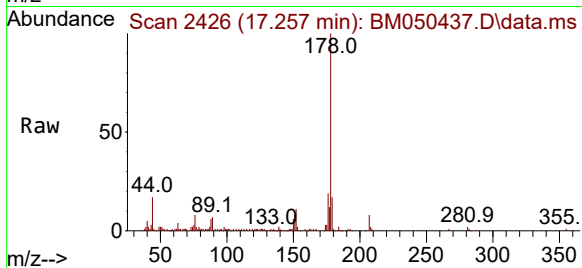
Tgt Ion:178 Resp: 74735

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

179 16.9 12.5 18.7



#74

Di-n-butylphthalate

Concen: 375.194 ng

RT: 18.180 min Scan# 2583

Delta R.T. -0.018 min

Lab File: BM050437.D

Acq: 14 Jul 2025 22:14

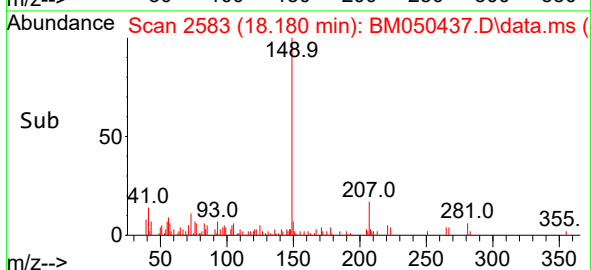
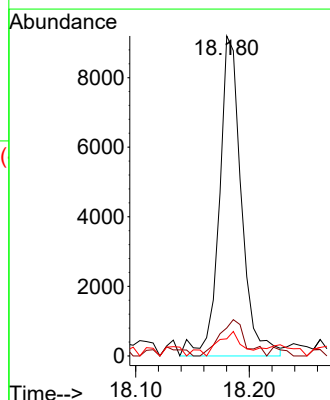
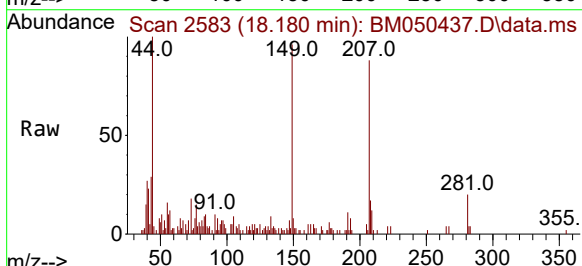
Tgt Ion:149 Resp: 12453

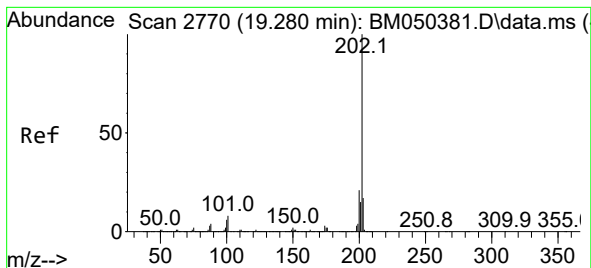
Ion Ratio Lower Upper

149 100

150 8.8 7.3 10.9

104 5.3 3.9 5.9





#75

Fluoranthene

Concen: 407.088 ng

RT: 19.262 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM050437.D

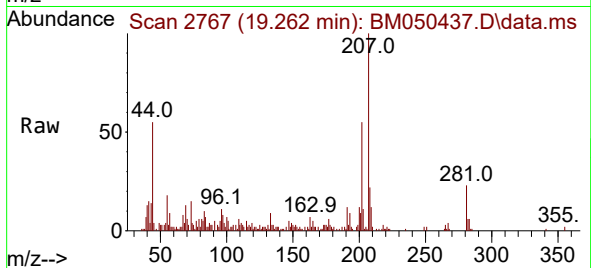
Acq: 14 Jul 2025 22:14

Instrument :

BNA_M

ClientSampleId :

G2(6-12)



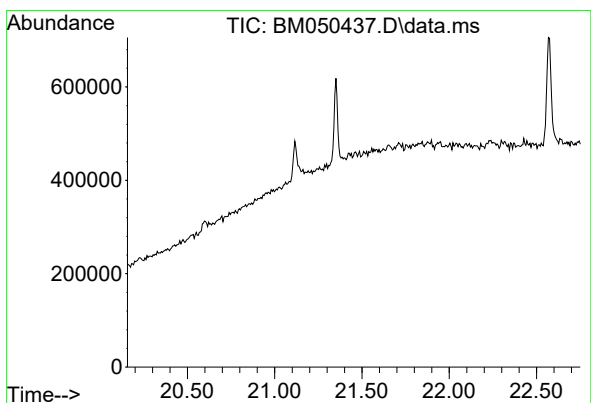
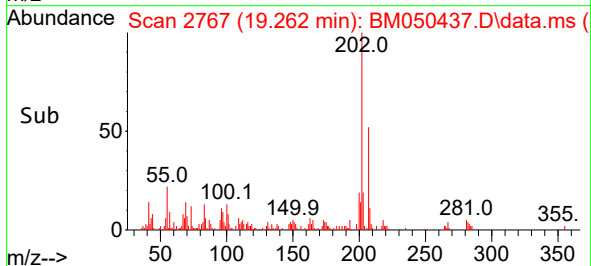
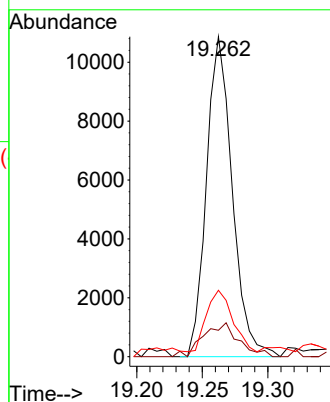
Tgt Ion: 202 Resp: 14900

Ion Ratio Lower Upper

202 100

101 10.9 0.0 28.3

203 20.8 0.0 37.2



#76

Chrysene-d12

Concen: 0.000 ng

Expected RT: 21.46 min

Lab File: BM050437.D

Acq: 14 Jul 2025 22:14

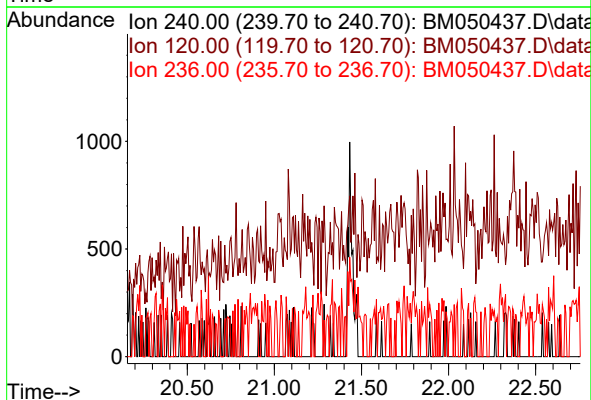
Tgt Ion: 240

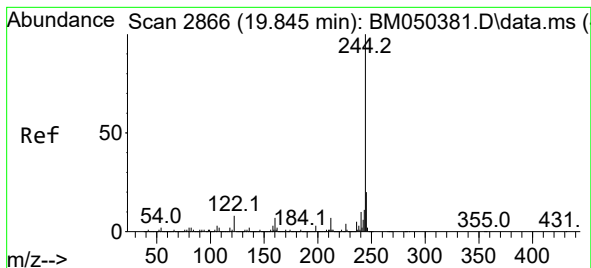
Sig Exp Ratio

240 100

120 8.4

236 25.9





#79

Terphenyl-d14

Concen: 0.000 ng

RT: 19.827 min Scan# 2

Delta R.T. -0.018 min

Lab File: BM050437.D

Acq: 14 Jul 2025 22:14

Instrument :

BNA_M

ClientSampleId :

G2(6-12)

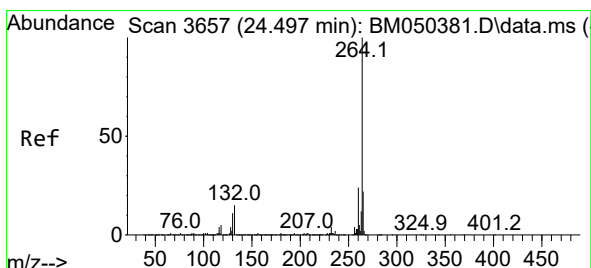
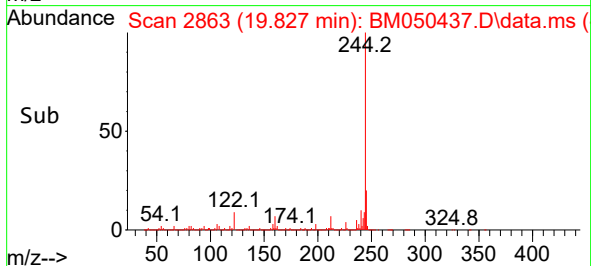
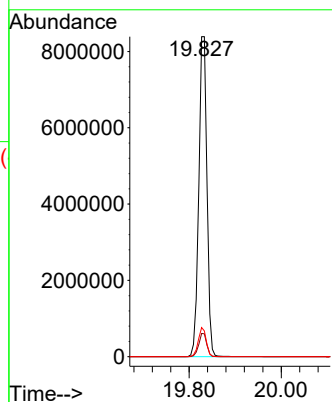
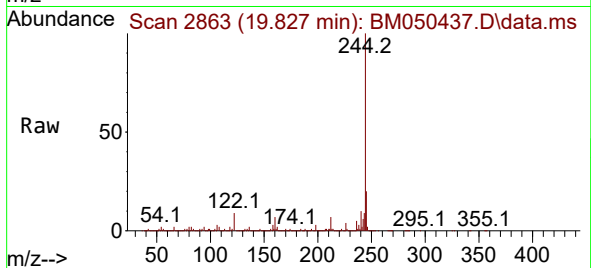
Tgt Ion:244 Resp:10281609

Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

122 9.1 6.2 9.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.444 min Scan# 3648

Delta R.T. -0.053 min

Lab File: BM050437.D

Acq: 14 Jul 2025 22:14

Tgt Ion:264 Resp: 69

Ion Ratio Lower Upper

264 100

260 0.0 19.2 28.8#

265 2108.2 17.8 26.6#

