

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
 Data File : BM050091.D
 Acq On : 02 May 2025 18:36
 Operator : RC/JU
 Sample : Q1906-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-6

Quant Time: May 02 23:58:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

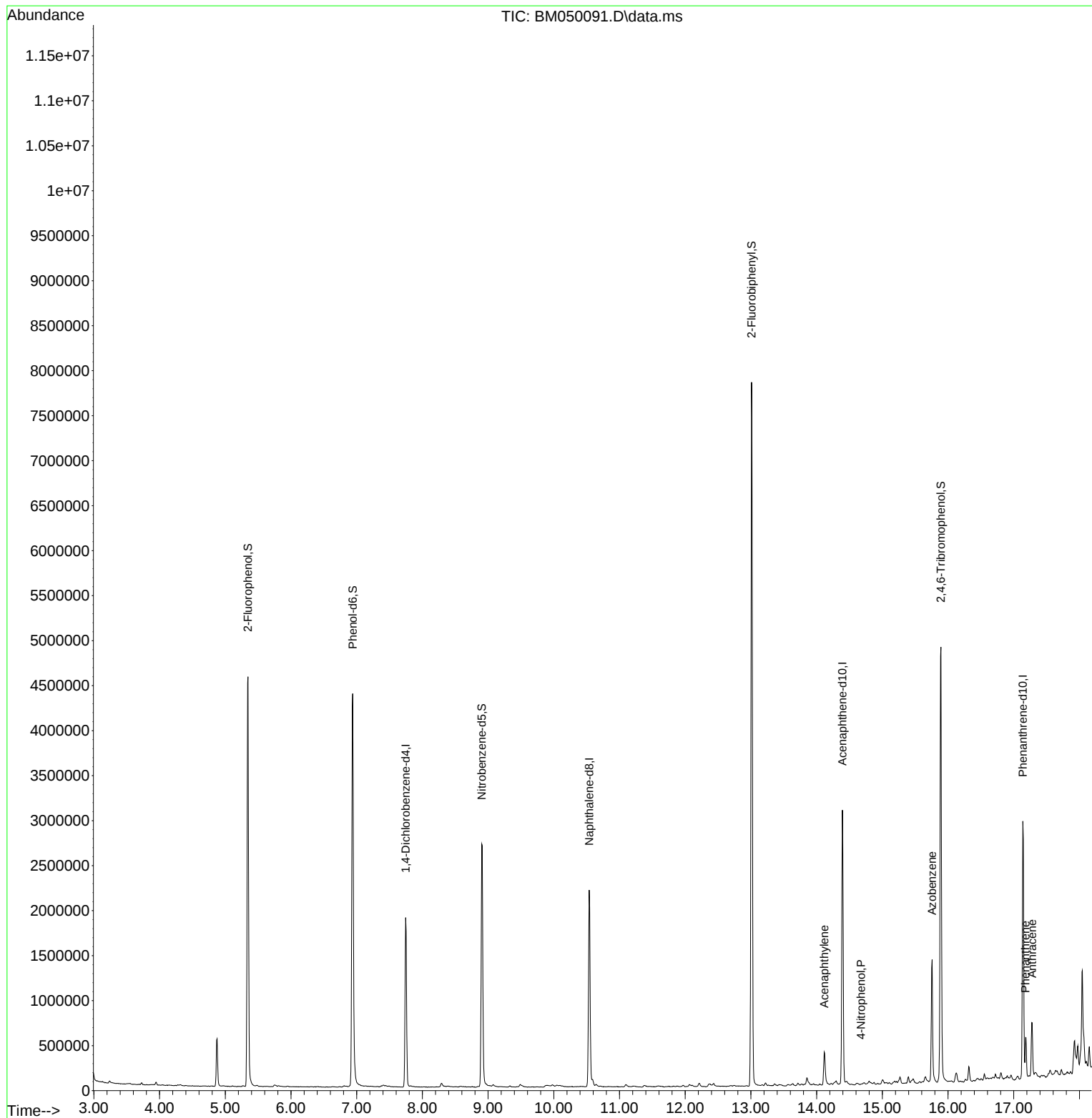
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	561267	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1922604	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	1113177	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1746831	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1449481	20.000	ng	-0.02
86) Perylene-d12	24.380	264	1520443	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	2204168	68.767	ng	-0.01
7) Phenol-d6	6.940	99	2929960	72.729	ng	-0.01
23) Nitrobenzene-d5	8.904	82	1696620	43.484	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	1090416	66.247	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	4497800	47.799	ng	-0.02
79) Terphenyl-d14	19.768	244	4223573	43.117	ng	-0.01
Target Compounds						
						Qvalue
49) Acenaphthylene	14.116	152	358419	3.469	ng	99
56) 4-Nitrophenol	14.674	139	449	4.566	ng	# 71
63) Azobenzene	15.757	77	364225	5.669	ng	# 1
71) Phenanthrene	17.180	178	291765	2.961	ng	99
72) Anthracene	17.280	178	469726	4.711	ng	100
75) Fluoranthene	19.203	202	1008945	8.722	ng	99
78) Pyrene	19.562	202	1244436	12.226	ng	99
80) Butylbenzylphthalate	20.462	149	233731	6.131	ng	97
81) Benzo(a)anthracene	21.362	228	754384	7.558	ng	96
83) Chrysene	21.427	228	809287	8.760	ng	98
84) Bis(2-ethylhexyl)phtha...	21.280	149	215220	3.780	ng	98
87) Indeno(1,2,3-cd)pyrene	27.756	276	666228	5.881	ng	97
88) Benzo(b)fluoranthene	23.433	252	1177487	11.908	ng	96
89) Benzo(k)fluoranthene	23.433	252	1177487	11.773	ng	# 96
90) Benzo(a)pyrene	24.233	252	820827	8.863	ng	97
92) Benzo(g,h,i)perylene	28.815	276	698826	7.904	ng	100

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

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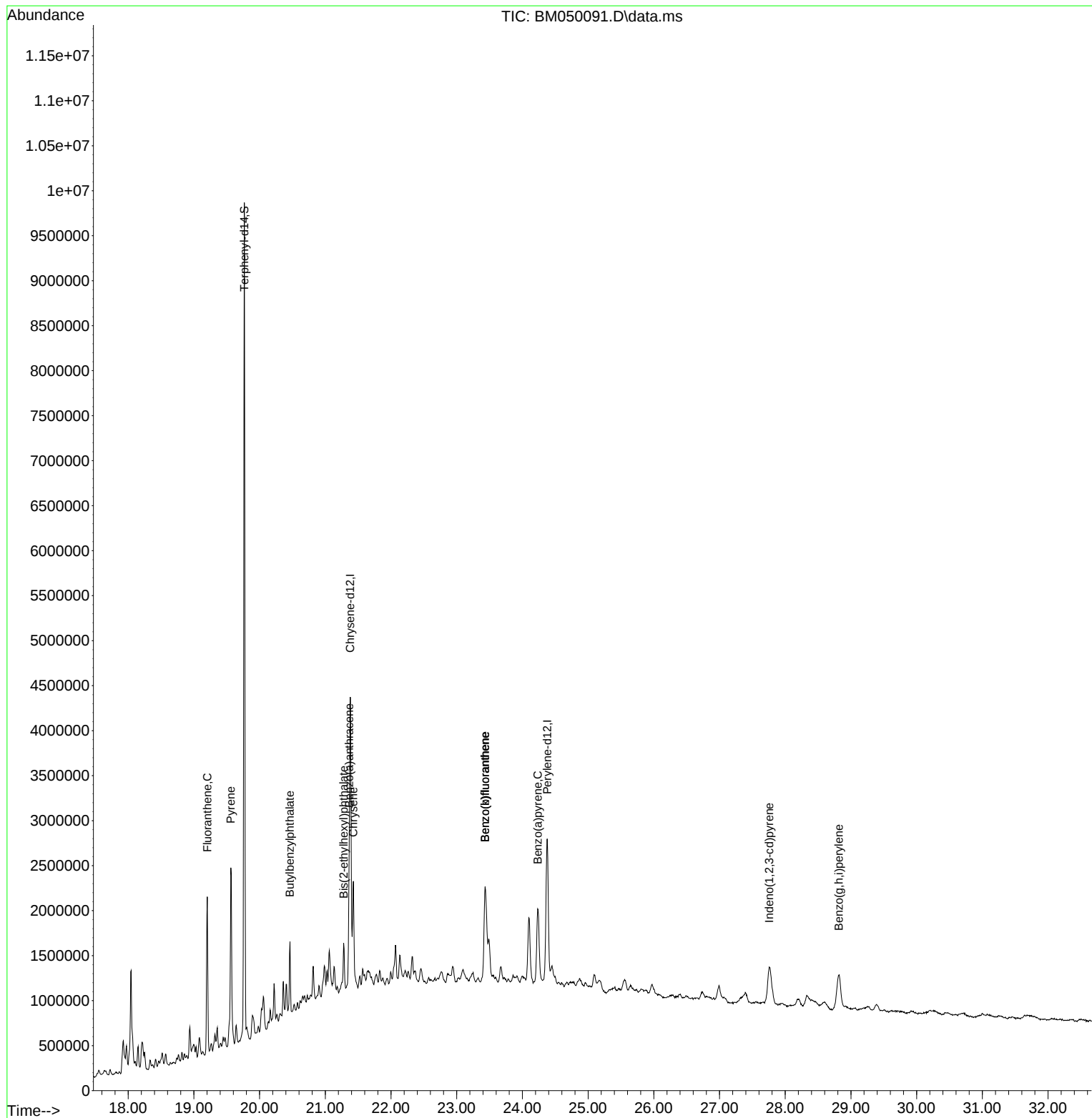
Quant Time: May 02 23:58:20 2025
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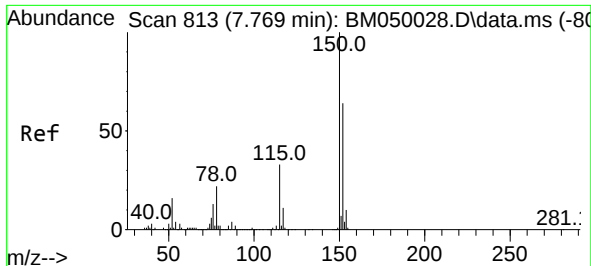


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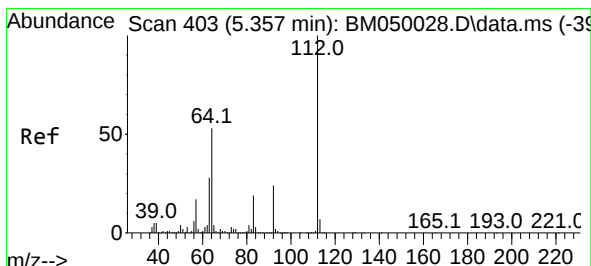
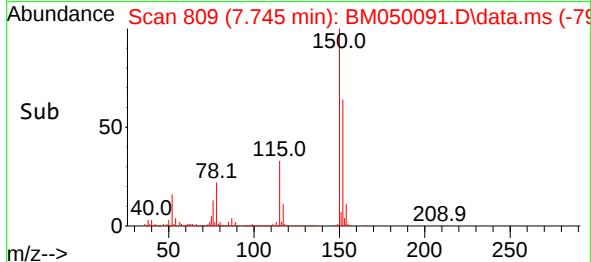
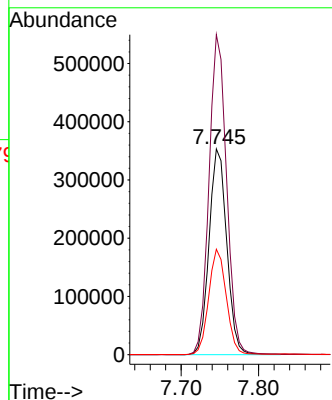
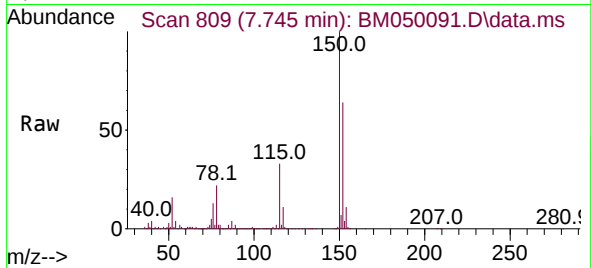




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.024 min
Lab File: BM050091.D
Acq: 02 May 2025 18:36

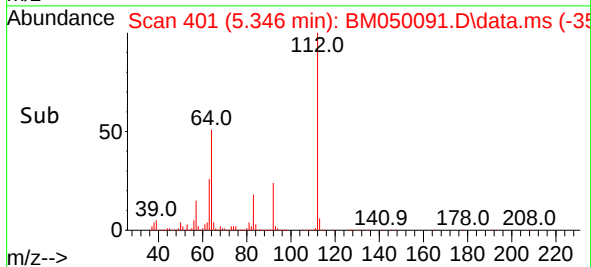
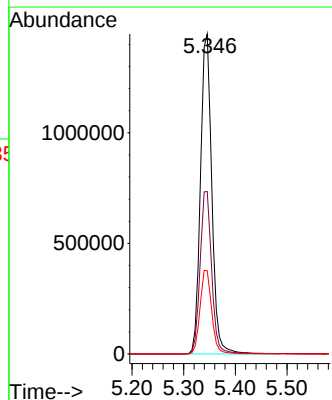
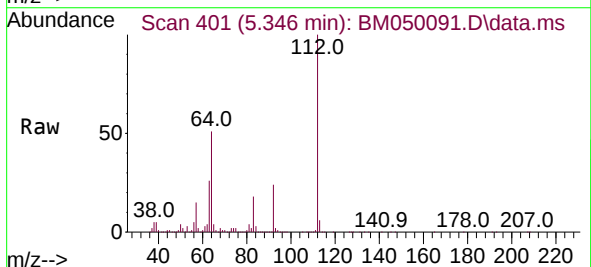
Instrument :
BNA_M
ClientSampleId :
WC-6

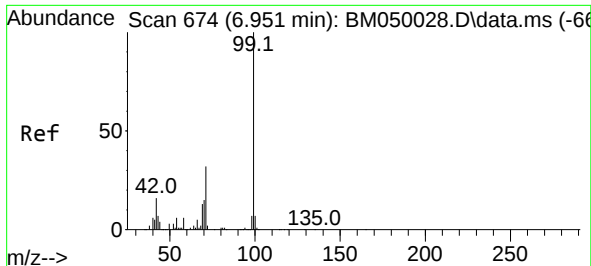
Tgt Ion:152 Resp: 561267
Ion Ratio Lower Upper
152 100
150 155.5 124.1 186.1
115 51.2 41.2 61.8



#5
2-Fluorophenol
Concen: 68.767 ng
RT: 5.346 min Scan# 401
Delta R.T. -0.012 min
Lab File: BM050091.D
Acq: 02 May 2025 18:36

Tgt Ion:112 Resp: 2204168
Ion Ratio Lower Upper
112 100
64 50.7 42.6 64.0
63 26.0 22.2 33.4

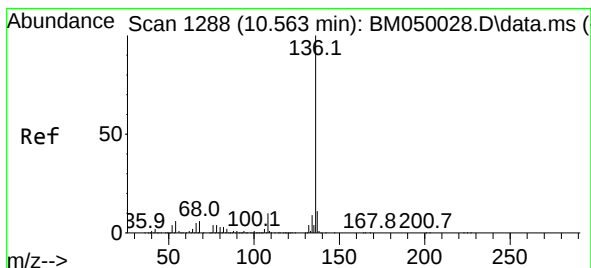
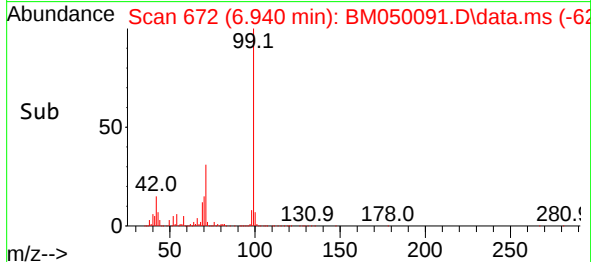
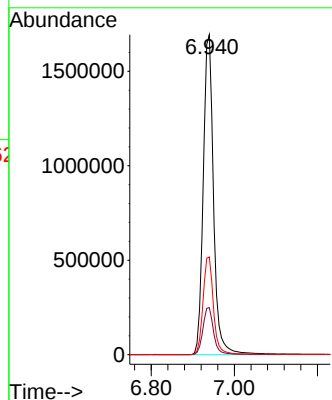
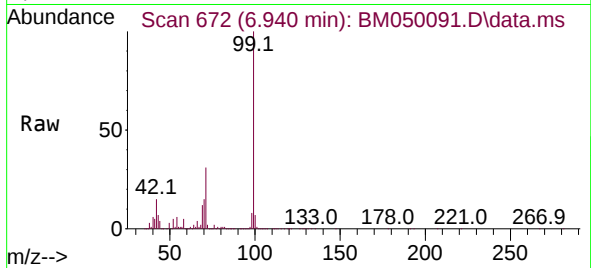




#7
Phenol-d6
Concen: 72.729 ng
RT: 6.940 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM050091.D
Acq: 02 May 2025 18:36

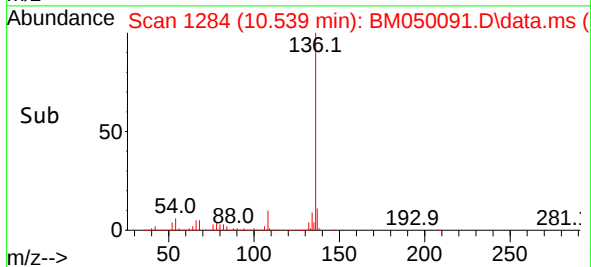
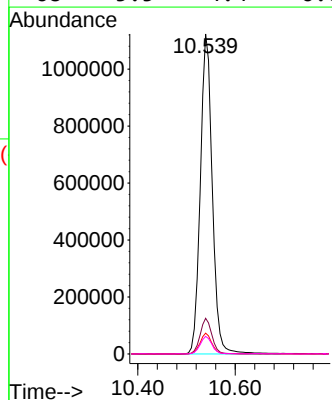
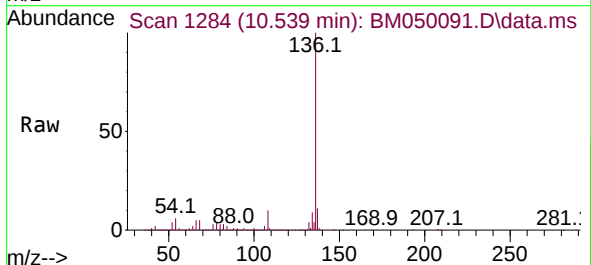
Instrument :
BNA_M
ClientSampleId :
WC-6

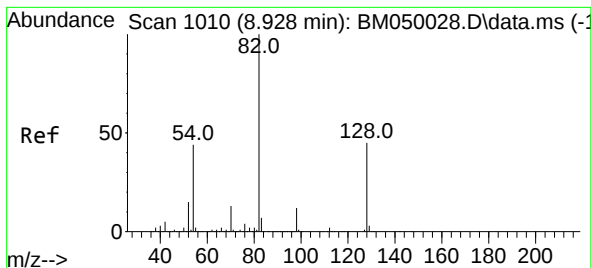
Tgt Ion: 99 Resp: 2929960
Ion Ratio Lower Upper
99 100
42 14.7 13.0 19.4
71 30.6 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050091.D
Acq: 02 May 2025 18:36

Tgt Ion: 136 Resp: 1922604
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 6.5 5.1 7.7
68 5.5 4.4 6.6





#23

Nitrobenzene-d5

Concen: 43.484 ng

RT: 8.904 min Scan# 1006

Delta R.T. -0.024 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

Instrument :

BNA_M

ClientSampleId :

WC-6

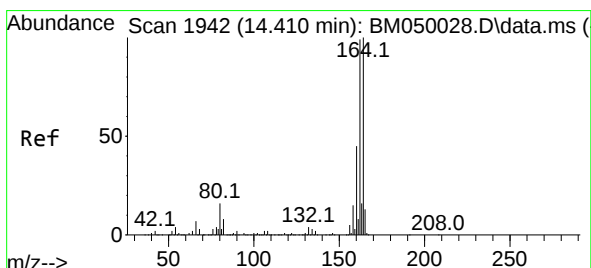
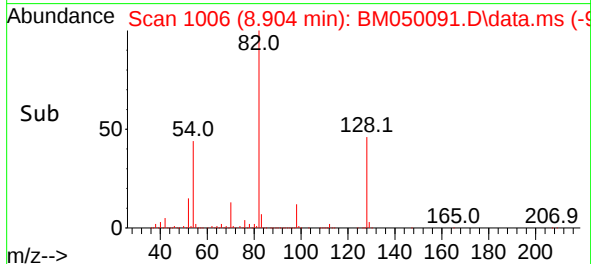
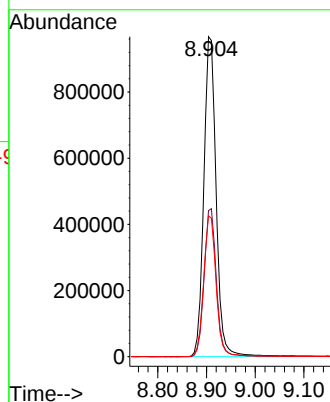
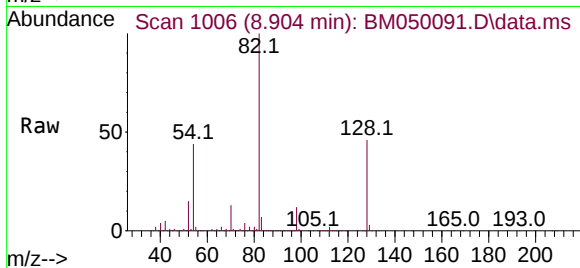
Tgt Ion: 82 Resp: 1696620

Ion Ratio Lower Upper

82 100

128 45.6 35.7 53.5

54 44.0 35.4 53.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.392 min Scan# 1939

Delta R.T. -0.018 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

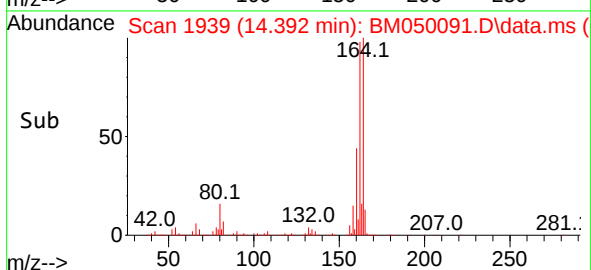
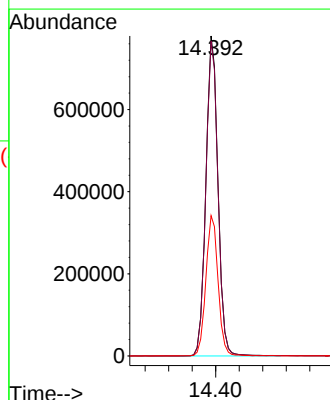
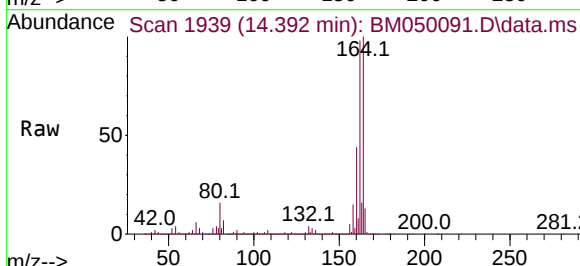
Tgt Ion:164 Resp: 1113177

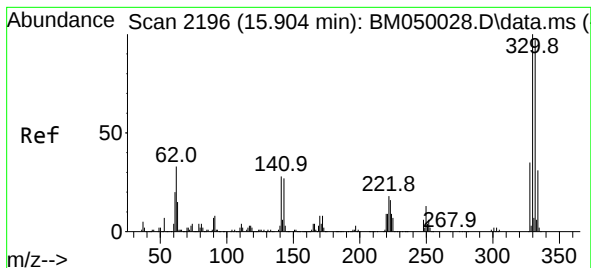
Ion Ratio Lower Upper

164 100

162 98.4 79.4 119.0

160 43.9 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 66.247 ng

RT: 15.892 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

Instrument :

BNA_M

ClientSampleId :

WC-6

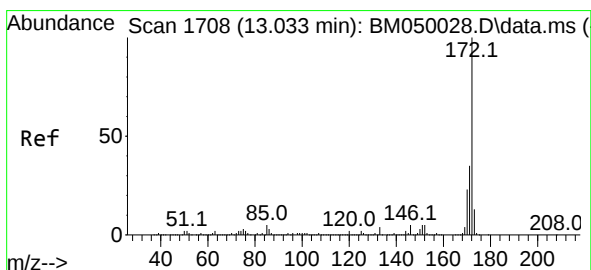
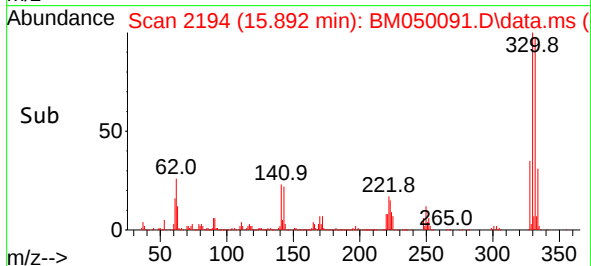
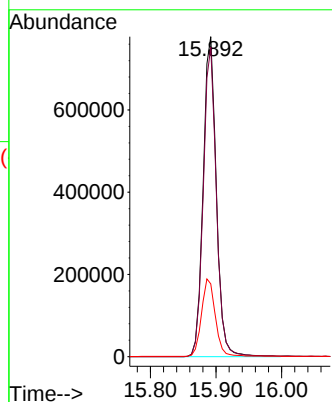
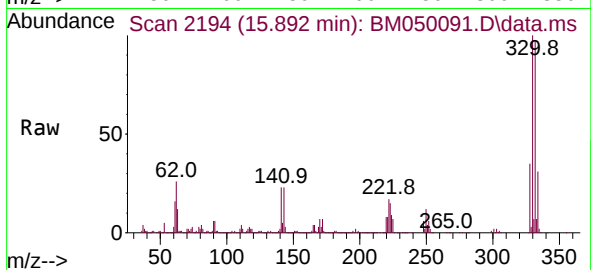
Tgt Ion:330 Resp: 1090416

Ion Ratio Lower Upper

330 100

332 96.2 77.3 115.9

141 25.3 22.5 33.7



#45

2-Fluorobiphenyl

Concen: 47.799 ng

RT: 13.010 min Scan# 1704

Delta R.T. -0.024 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

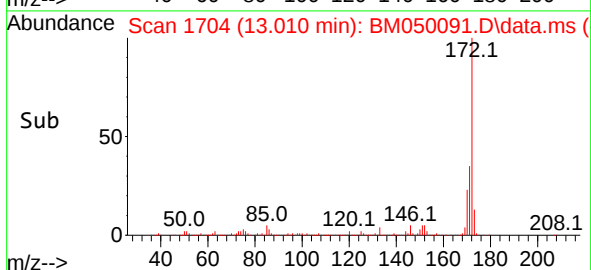
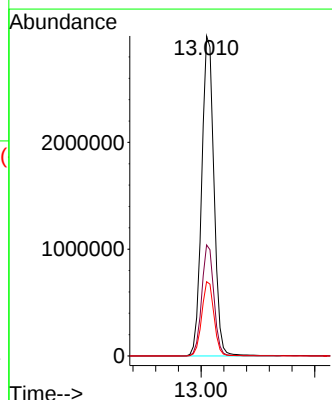
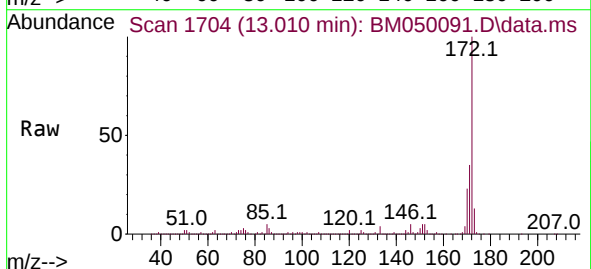
Tgt Ion:172 Resp: 4497800

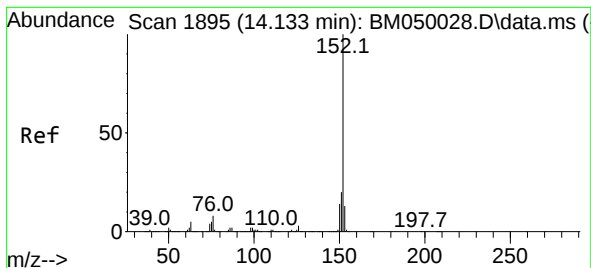
Ion Ratio Lower Upper

172 100

171 34.7 27.8 41.6

170 23.2 18.6 28.0





#49

Acenaphthylene

Concen: 3.469 ng

RT: 14.116 min Scan# 11

Delta R.T. -0.018 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

Instrument :

BNA_M

ClientSampleId :

WC-6

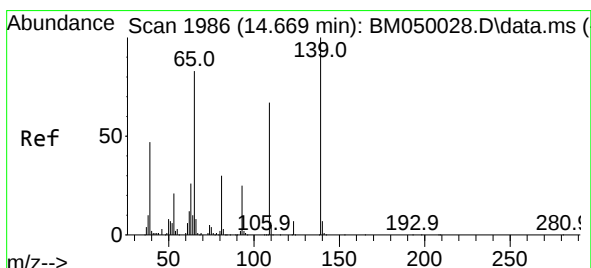
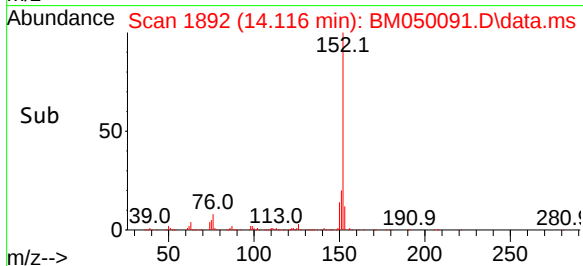
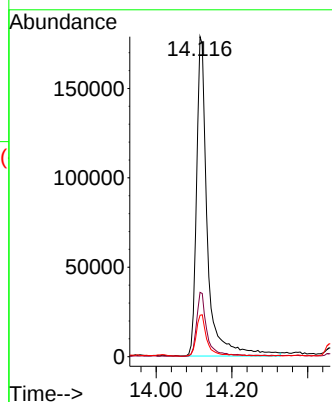
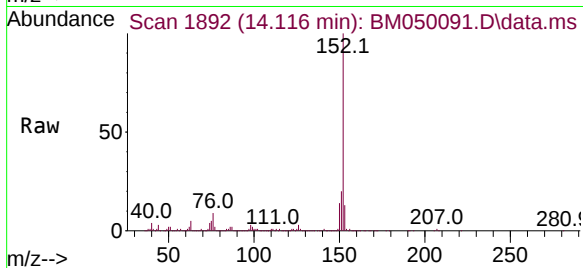
Tgt Ion:152 Resp: 358419

Ion Ratio Lower Upper

152 100

151 20.1 15.8 23.8

153 13.0 10.6 15.8



#56

4-Nitrophenol

Concen: 4.566 ng

RT: 14.674 min Scan# 1987

Delta R.T. 0.005 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

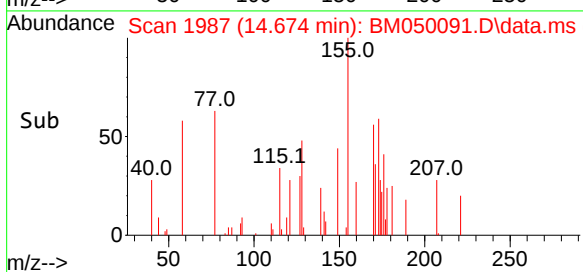
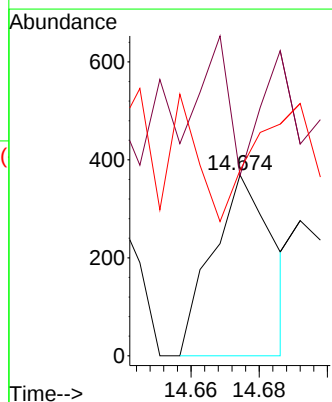
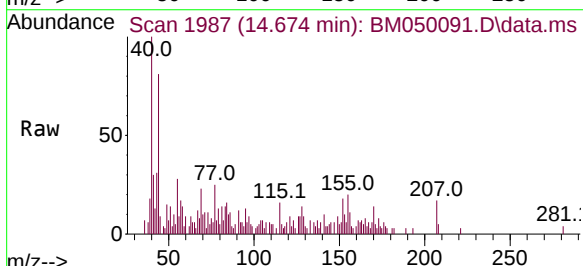
Tgt Ion:139 Resp: 449

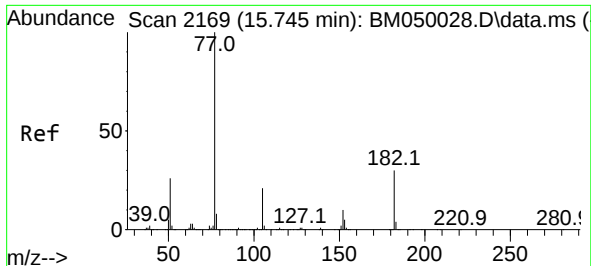
Ion Ratio Lower Upper

139 100

109 99.7 47.0 87.0#

65 102.7 64.3 104.3

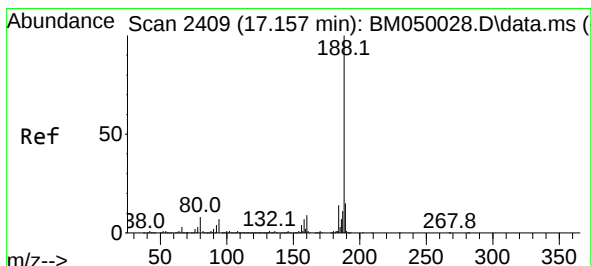
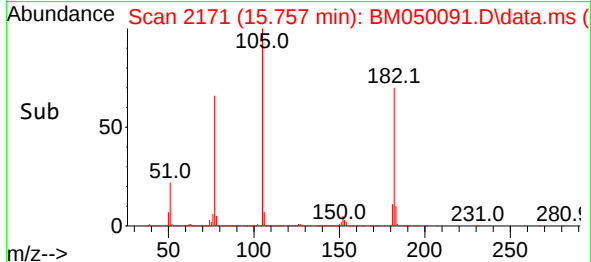
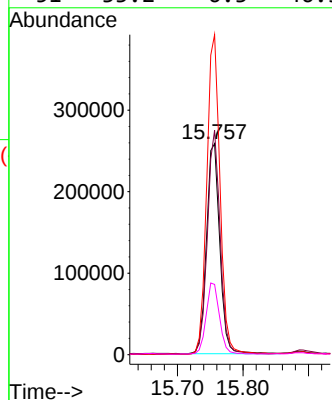
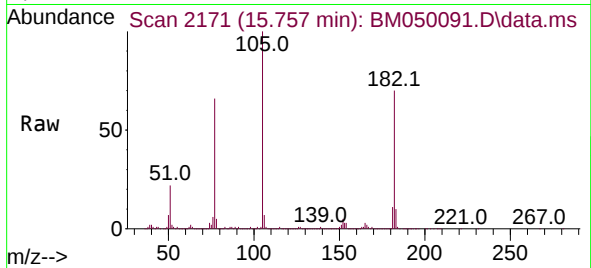




#63
Azobenzene
Concen: 5.669 ng
RT: 15.757 min Scan# 2169
Delta R.T. 0.012 min
Lab File: BM050091.D
Acq: 02 May 2025 18:36

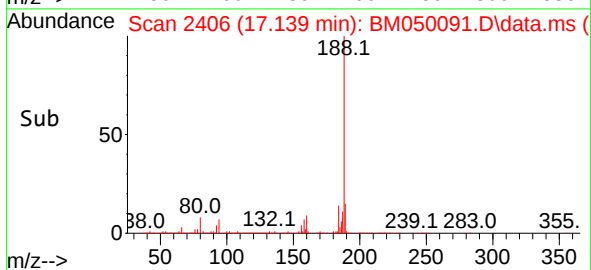
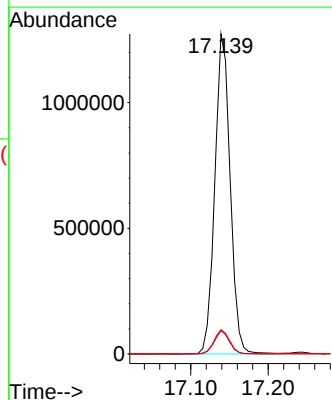
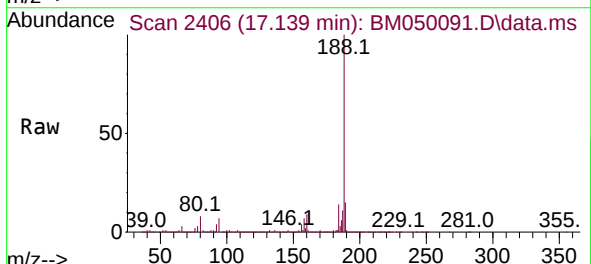
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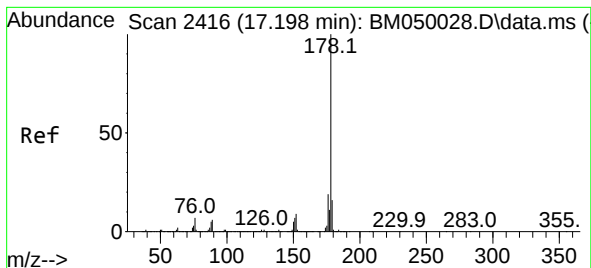
Tgt Ion: 77 Resp: 364225
Ion Ratio Lower Upper
77 100
182 106.3 10.5 50.5#
105 151.6 1.1 41.1#
51 33.2 6.3 46.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050091.D
Acq: 02 May 2025 18:36

Tgt Ion: 188 Resp: 1746831
Ion Ratio Lower Upper
188 100
94 7.3 5.7 8.5
80 7.6 6.2 9.4





#71

Phenanthrene

Concen: 2.961 ng

RT: 17.180 min Scan# 2416

Delta R.T. -0.018 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

Instrument :

BNA_M

ClientSampleId :

WC-6

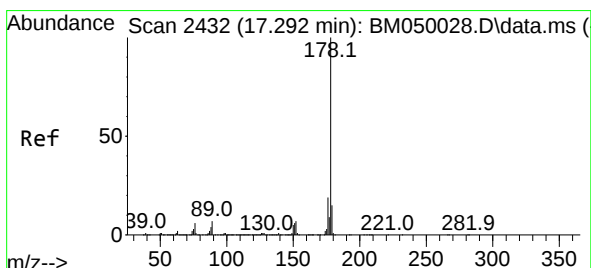
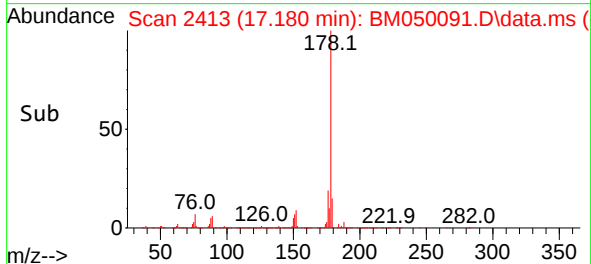
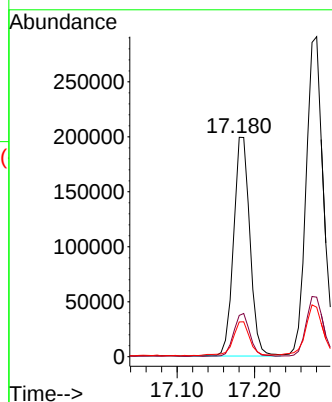
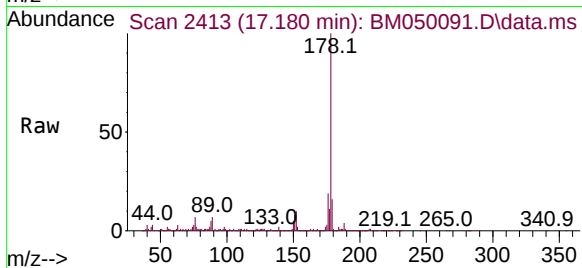
Tgt Ion:178 Resp: 291765

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

179 15.9 12.4 18.6



#72

Anthracene

Concen: 4.711 ng

RT: 17.280 min Scan# 2430

Delta R.T. -0.012 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

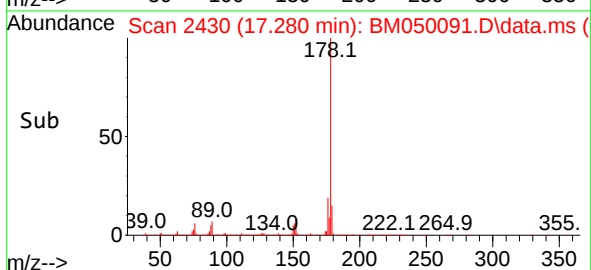
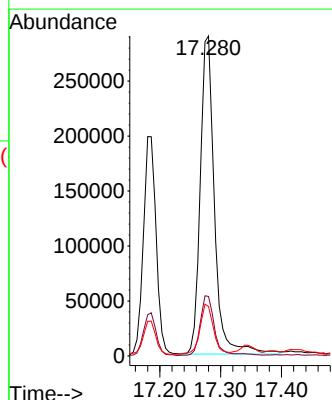
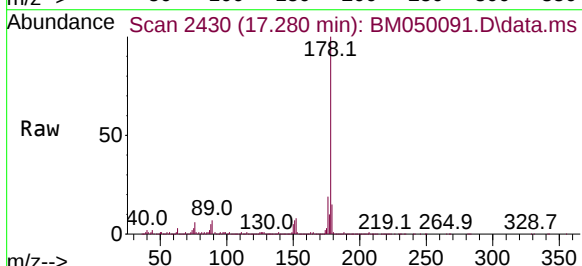
Tgt Ion:178 Resp: 469726

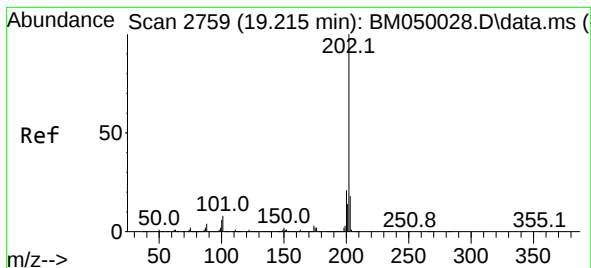
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.4

179 15.4 12.2 18.4





#75

Fluoranthene

Concen: 8.722 ng

RT: 19.203 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

Instrument :

BNA_M

ClientSampleId :

WC-6

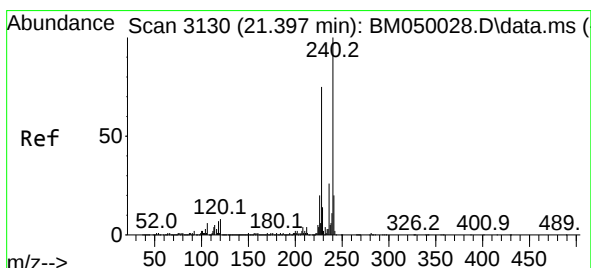
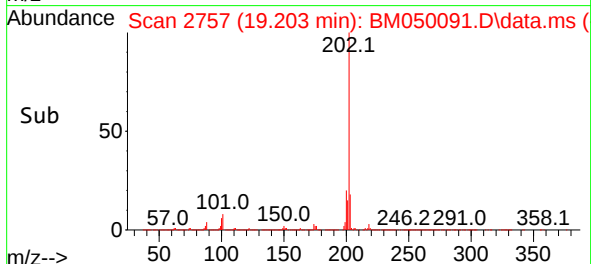
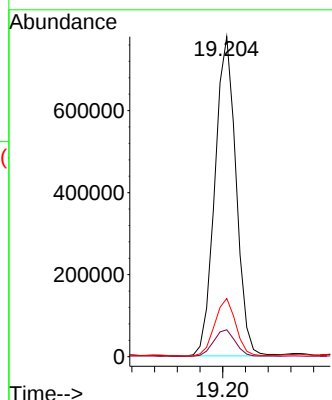
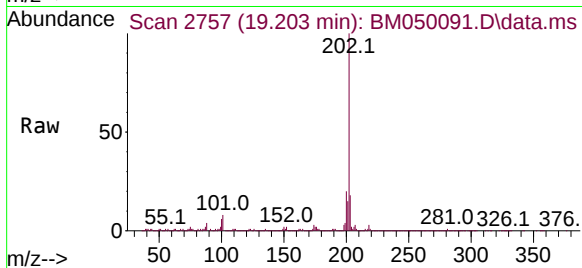
Tgt Ion:202 Resp: 1008945

Ion Ratio Lower Upper

202 100

101 8.4 0.0 28.0

203 18.2 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.380 min Scan# 3127

Delta R.T. -0.017 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

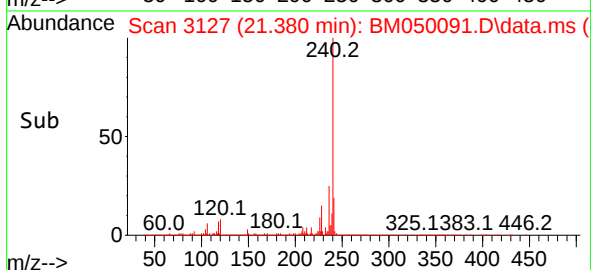
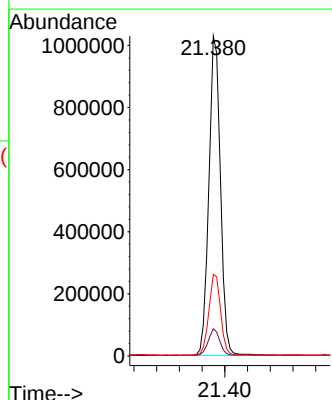
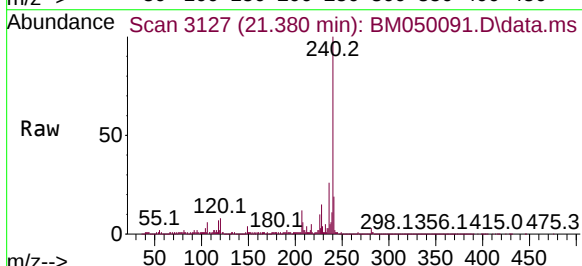
Tgt Ion:240 Resp: 1449481

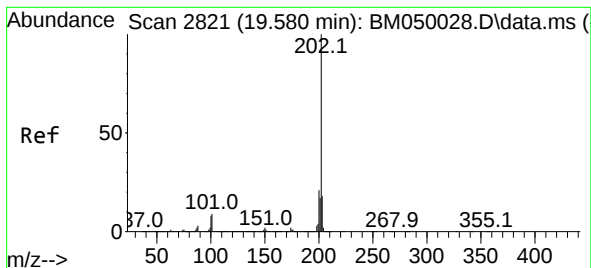
Ion Ratio Lower Upper

240 100

120 8.5 6.5 9.7

236 25.5 20.9 31.3





#78

Pyrene

Concen: 12.226 ng

RT: 19.562 min Scan# 2821

Delta R.T. -0.018 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

Instrument :

BNA_M

ClientSampleId :

WC-6

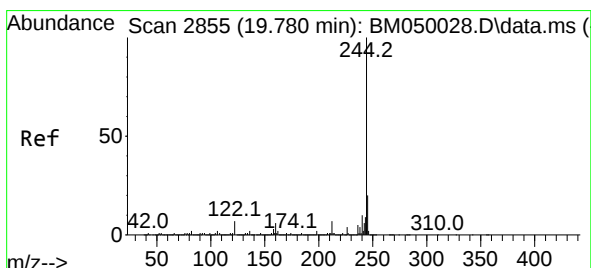
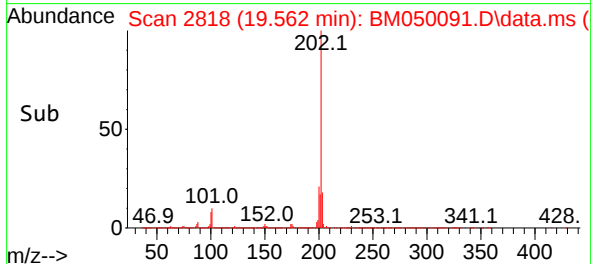
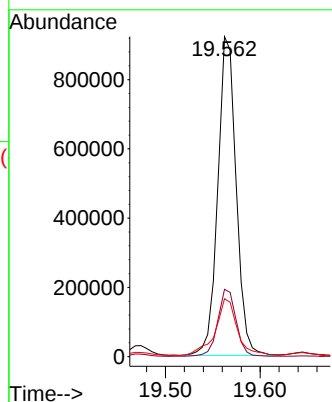
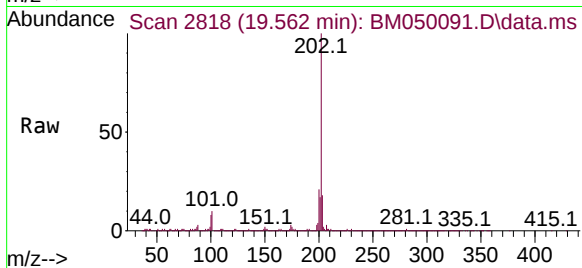
Tgt Ion:202 Resp: 1244436

Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 18.1 14.1 21.1



#79

Terphenyl-d14

Concen: 43.117 ng

RT: 19.768 min Scan# 2853

Delta R.T. -0.012 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

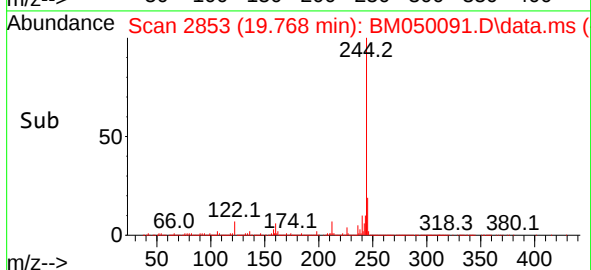
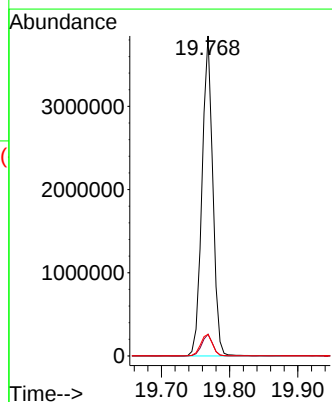
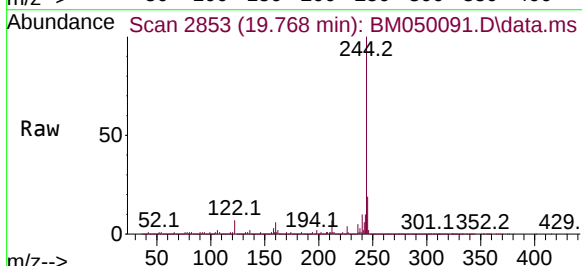
Tgt Ion:244 Resp: 4223573

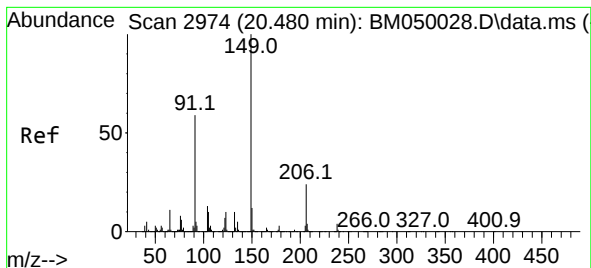
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 6.7 5.6 8.4





#80

Butylbenzylphthalate

Concen: 6.131 ng

RT: 20.462 min Scan# 2971

Delta R.T. -0.018 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

Instrument :

BNA_M

ClientSampleId :

WC-6

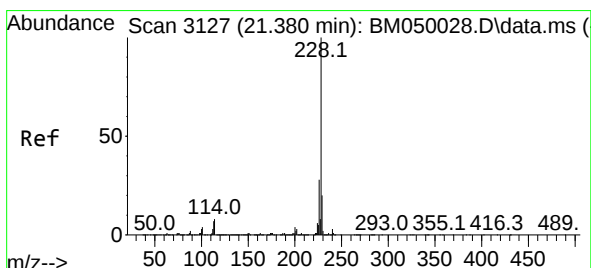
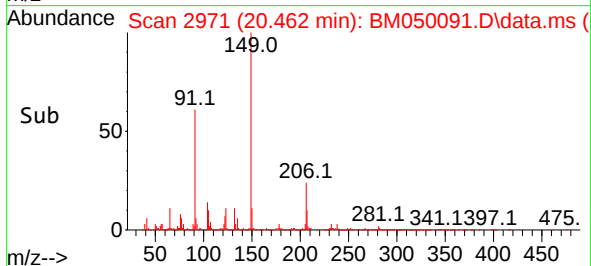
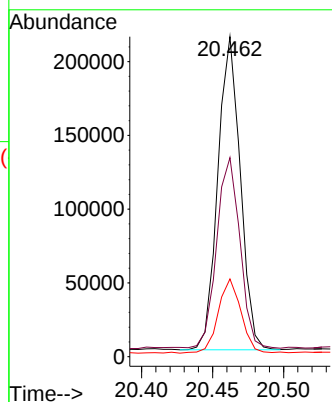
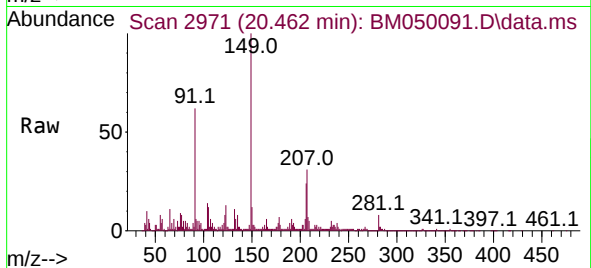
Tgt Ion:149 Resp: 233731

Ion Ratio Lower Upper

149 100

91 62.2 47.4 71.2

206 24.3 19.4 29.0



#81

Benzo(a)anthracene

Concen: 7.558 ng

RT: 21.362 min Scan# 3124

Delta R.T. -0.018 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

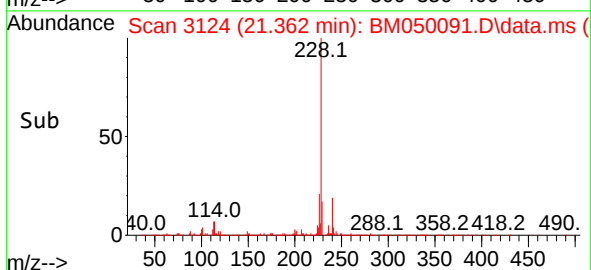
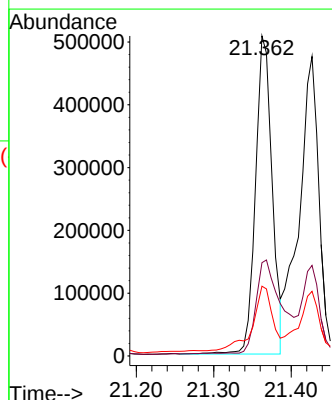
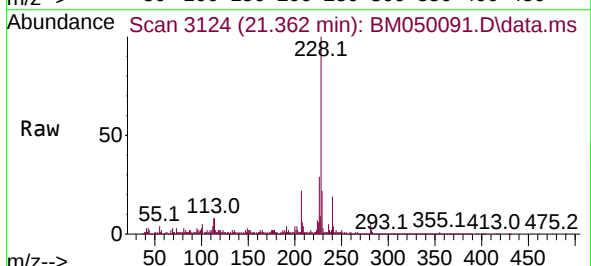
Tgt Ion:228 Resp: 754384

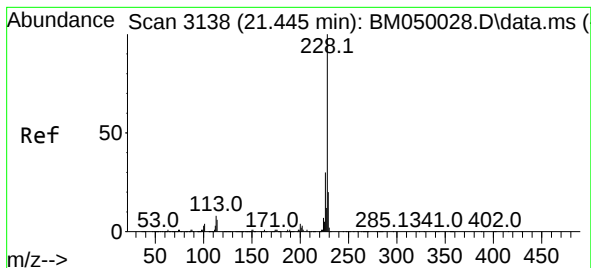
Ion Ratio Lower Upper

228 100

226 29.1 22.1 33.1

229 21.8 15.7 23.5





#83

Chrysene

Concen: 8.760 ng

RT: 21.427 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

Instrument :

BNA_M

ClientSampleId :

WC-6

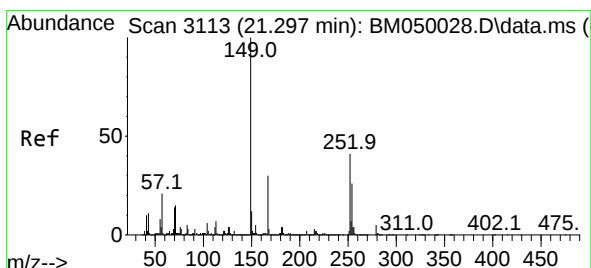
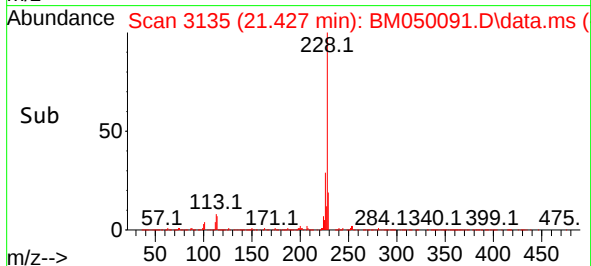
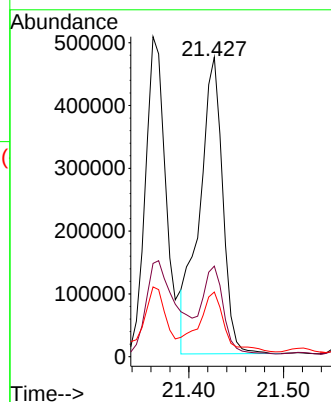
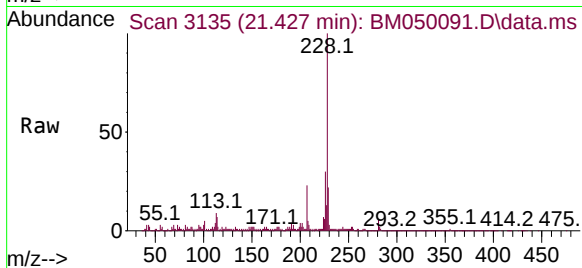
Tgt Ion:228 Resp: 809287

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.2

229 21.6 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.780 ng

RT: 21.280 min Scan# 3110

Delta R.T. -0.018 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

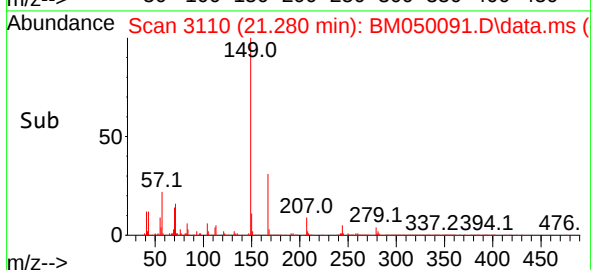
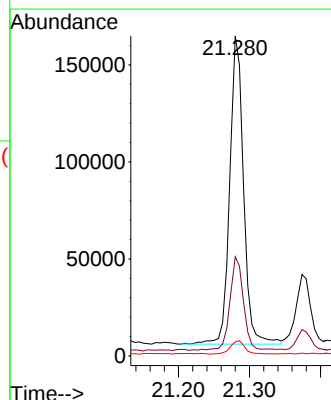
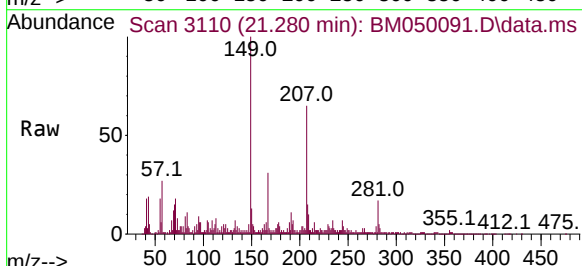
Tgt Ion:149 Resp: 215220

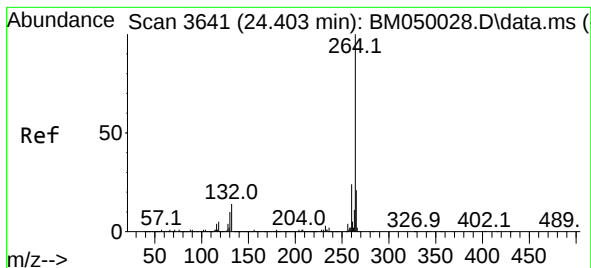
Ion Ratio Lower Upper

149 100

167 31.0 24.1 36.1

279 4.4 3.9 5.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.380 min Scan# 3

Delta R.T. -0.024 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

Instrument :

BNA_M

ClientSampleId :

WC-6

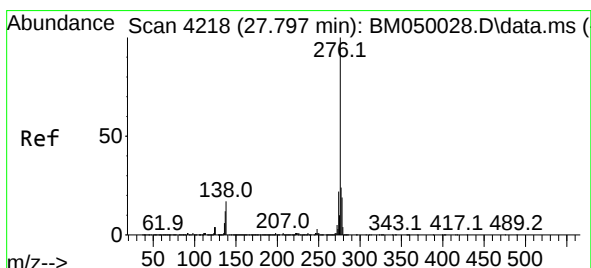
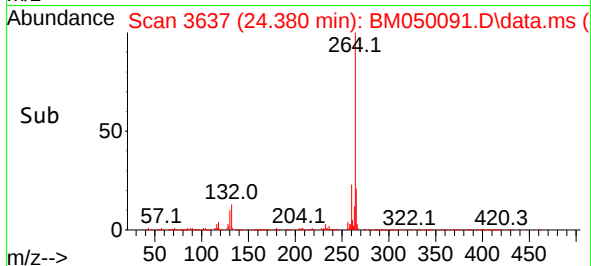
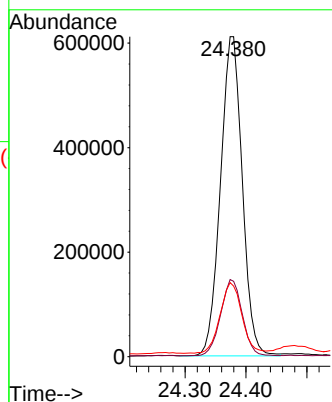
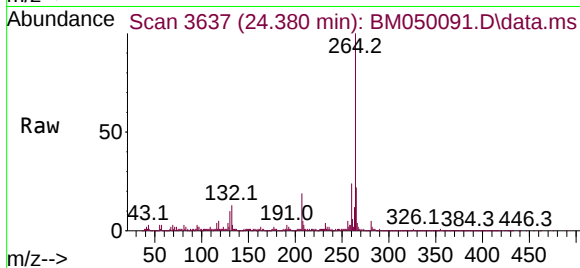
Tgt Ion:264 Resp: 1520443

Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

265 22.1 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.881 ng

RT: 27.756 min Scan# 4211

Delta R.T. -0.041 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

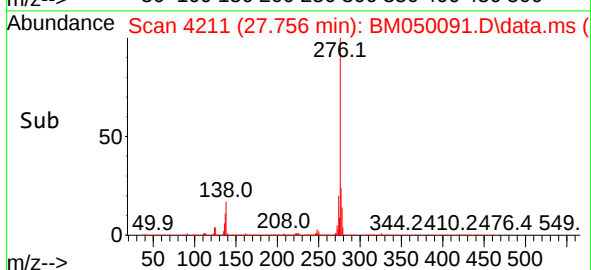
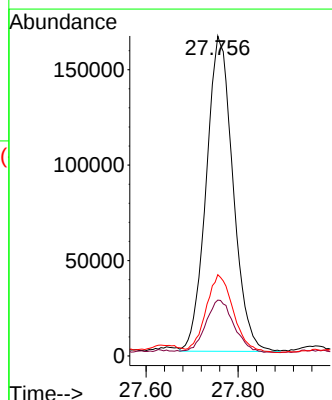
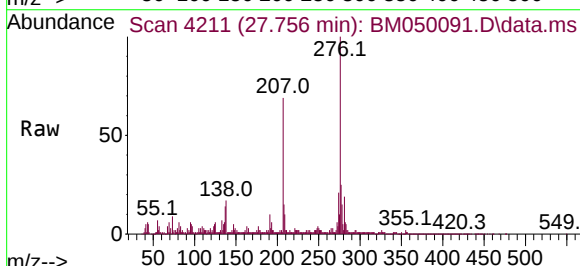
Tgt Ion:276 Resp: 666228

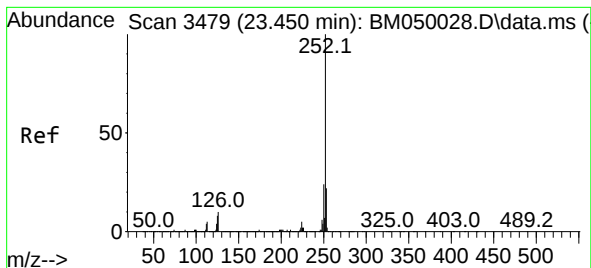
Ion Ratio Lower Upper

276 100

138 17.7 16.4 24.6

277 25.2 19.8 29.8





#88

Benzo(b)fluoranthene

Concen: 11.908 ng

RT: 23.433 min Scan# 3476

Delta R.T. -0.018 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

Instrument :

BNA_M

ClientSampleId :

WC-6

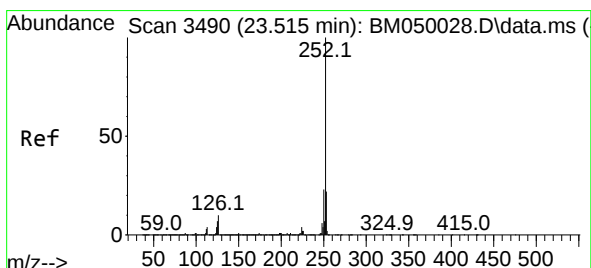
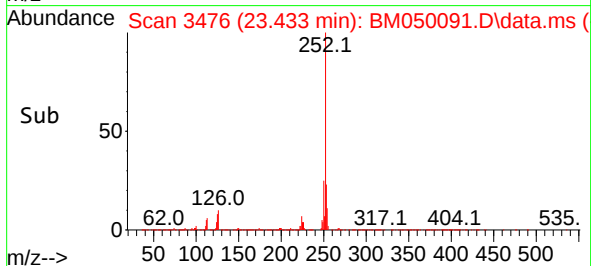
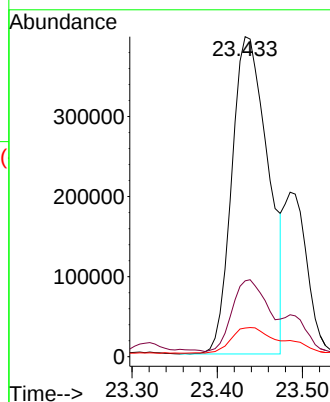
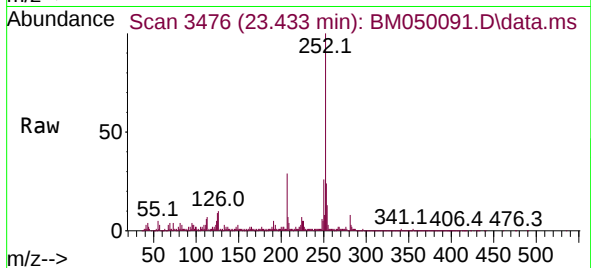
Tgt Ion:252 Resp: 1177487

Ion Ratio Lower Upper

252 100

253 23.7 17.7 26.5

125 8.9 6.1 9.1



#89

Benzo(k)fluoranthene

Concen: 11.773 ng

RT: 23.433 min Scan# 3476

Delta R.T. -0.082 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

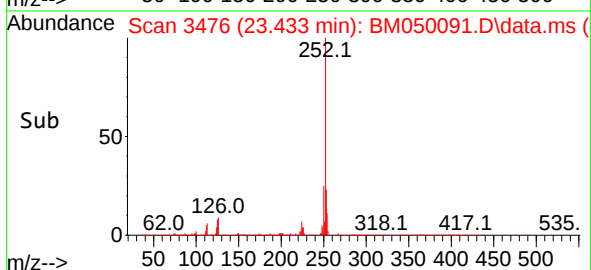
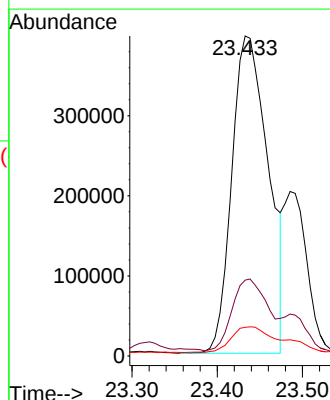
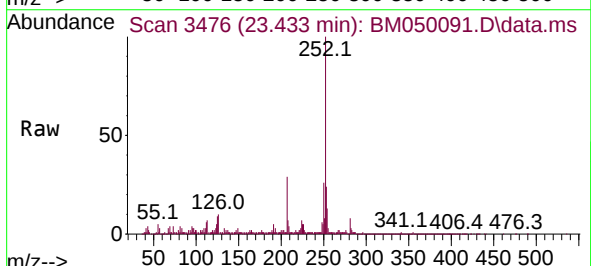
Tgt Ion:252 Resp: 1177487

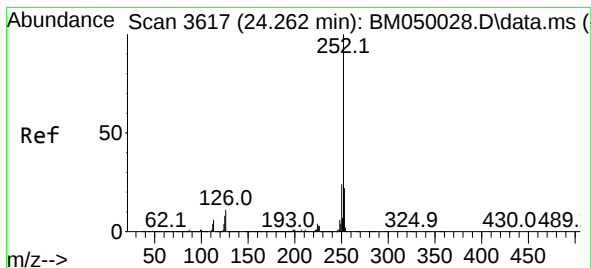
Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.2

125 8.9 5.8 8.8#





#90

Benzo(a)pyrene

Concen: 8.863 ng

RT: 24.233 min Scan# 30

Delta R.T. -0.029 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

Instrument :

BNA_M

ClientSampleId :

WC-6

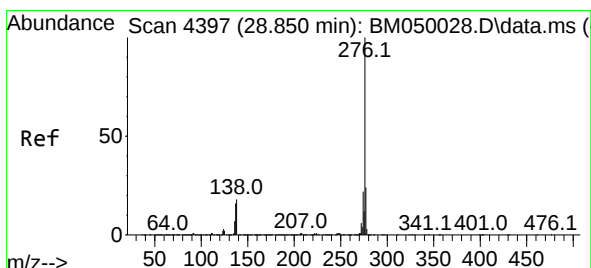
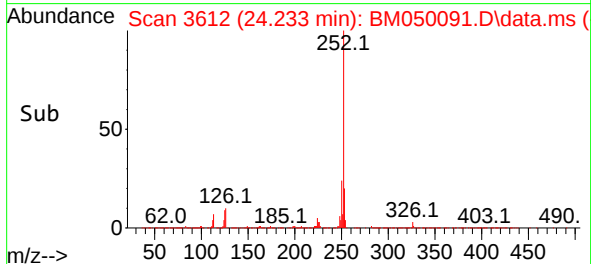
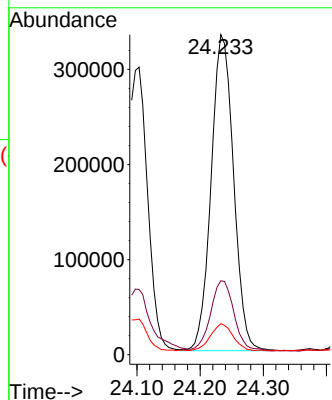
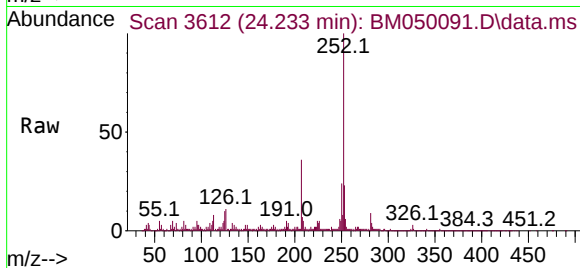
Tgt Ion:252 Resp: 820827

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 9.7 6.6 9.8



#92

Benzo(g,h,i)perylene

Concen: 7.904 ng

RT: 28.815 min Scan# 4391

Delta R.T. -0.035 min

Lab File: BM050091.D

Acq: 02 May 2025 18:36

Tgt Ion:276 Resp: 698826

Ion Ratio Lower Upper

276 100

277 23.8 19.1 28.7

138 18.2 14.3 21.5

