

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
 Data File : BM050076.D
 Acq On : 01 May 2025 22:36
 Operator : RC/JU
 Sample : Q1905-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MH-G

Quant Time: May 02 01:13:49 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)

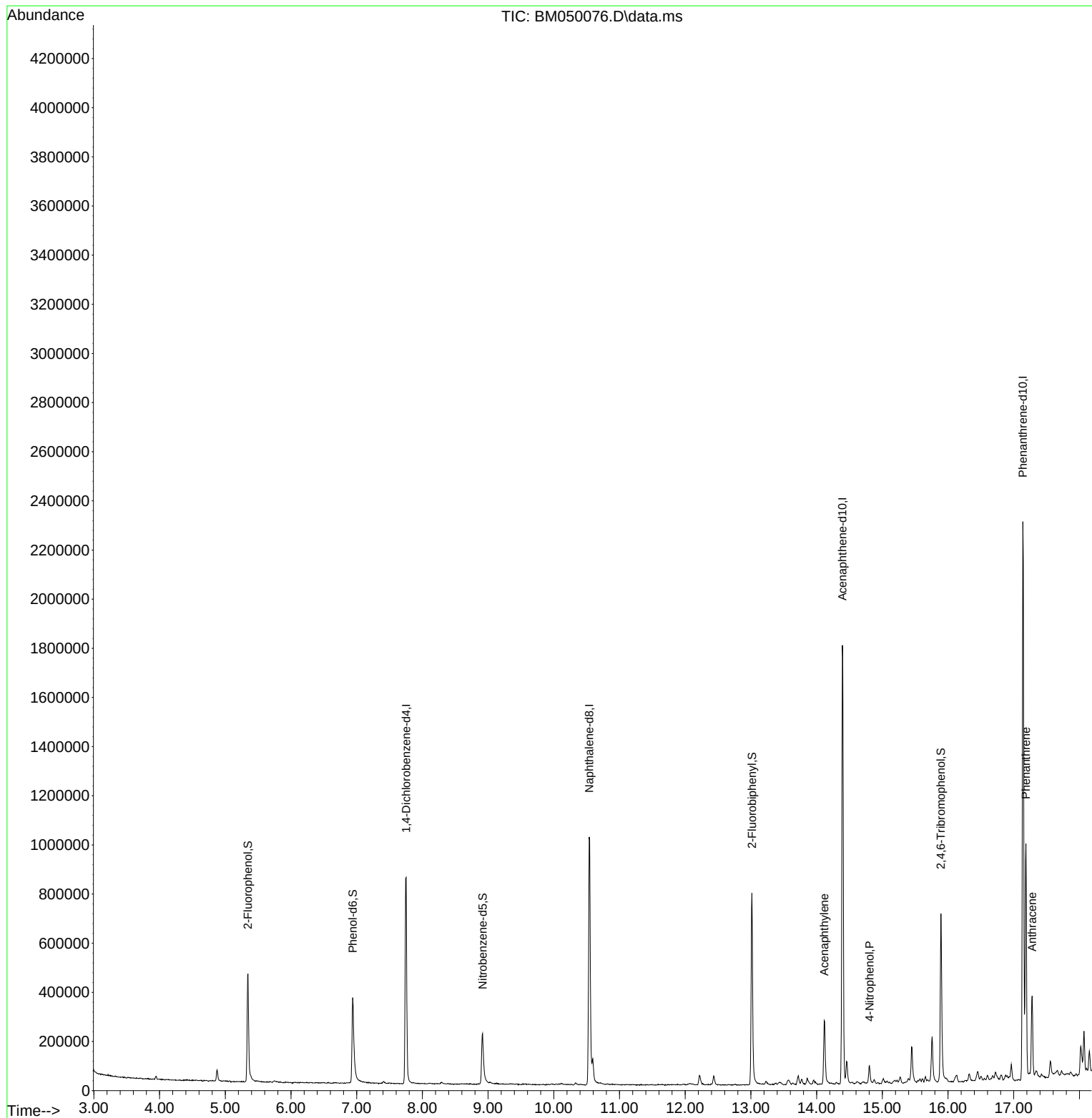
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.751	152	265931	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	982535	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	679483	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1391518	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1398009	20.000	ng	-0.02
86) Perylene-d12	24.374	264	1414560	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	229995	15.144	ng	-0.01
7) Phenol-d6	6.939	99	285187	14.941	ng	-0.01
23) Nitrobenzene-d5	8.916	82	170259	8.539	ng	-0.01
42) 2,4,6-Tribromophenol	15.892	330	142061	14.140	ng	-0.01
45) 2-Fluorobiphenyl	13.016	172	482571	8.402	ng	-0.02
79) Terphenyl-d14	19.768	244	708428	7.498	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.115	152	225622	3.577	ng	98
56) 4-Nitrophenol	14.804	139	17151	6.560	ng	# 14
71) Phenanthrene	17.186	178	600370	7.650	ng	99
72) Anthracene	17.280	178	232532	2.928	ng	99
75) Fluoranthene	19.203	202	1025605	11.130	ng	100
78) Pyrene	19.562	202	952755	9.705	ng	99
81) Benzo(a)anthracene	21.362	228	598160	6.213	ng	97
83) Chrysene	21.427	228	526465	5.909	ng	97
87) Indeno(1,2,3-cd)pyrene	27.744	276	613985	5.825	ng	97
88) Benzo(b)fluoranthene	23.433	252	1130915	12.293	ng	99
89) Benzo(k)fluoranthene	23.433	252	1130915	12.153	ng	# 98
90) Benzo(a)pyrene	24.232	252	796098	9.240	ng	97
92) Benzo(g,h,i)perylene	28.791	276	593080	7.210	ng	99

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

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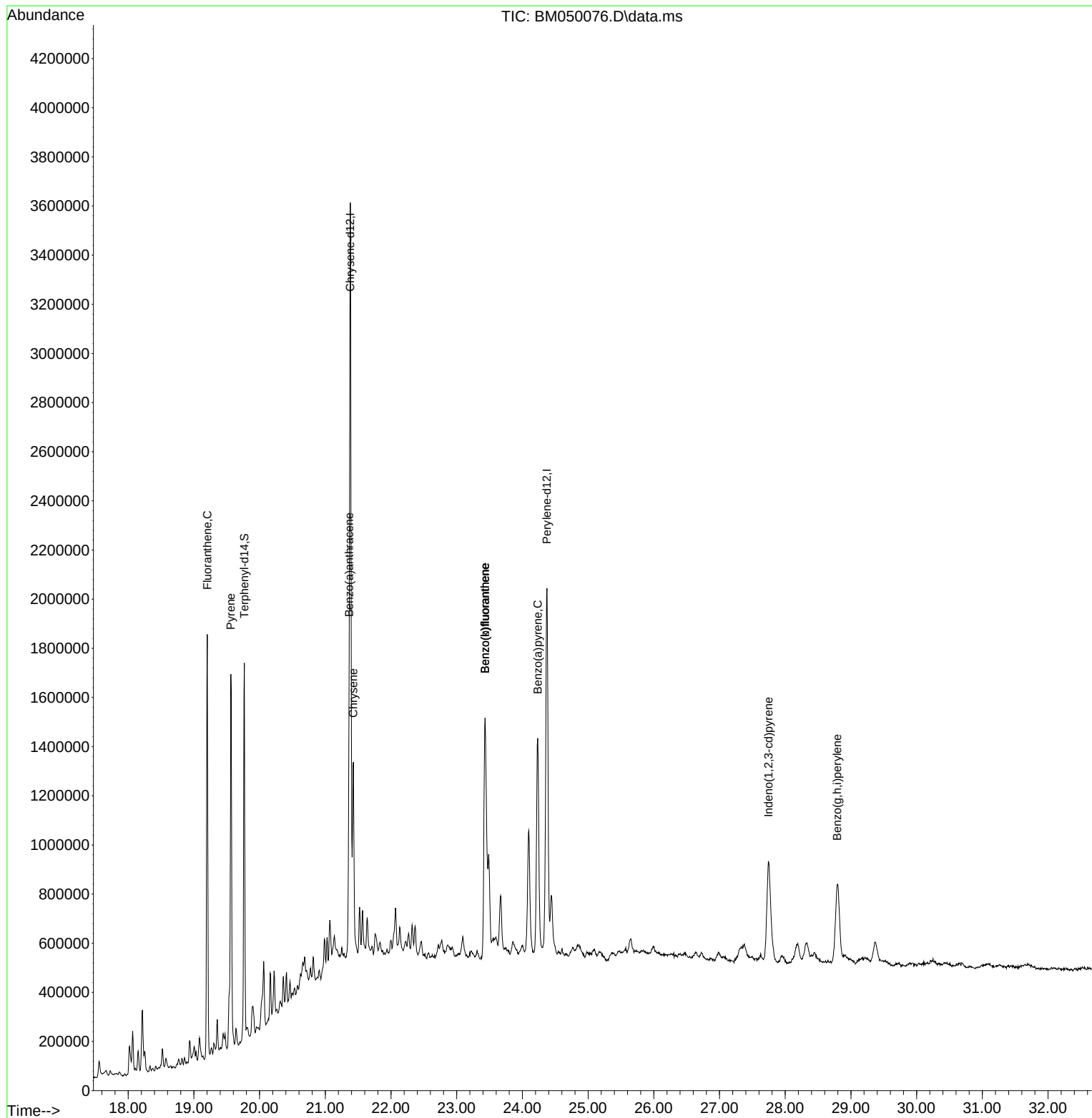
Quant Time: May 02 01:13:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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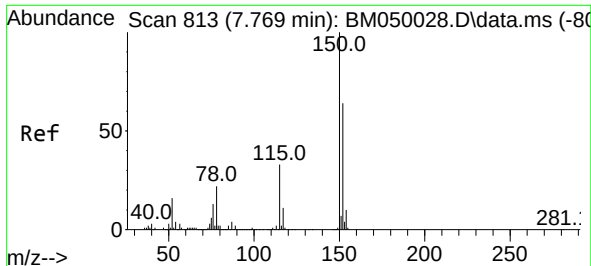


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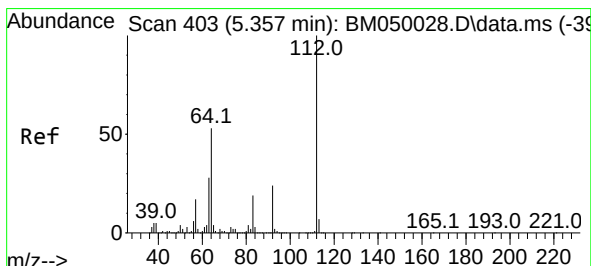
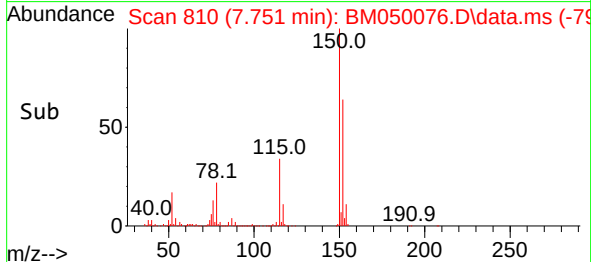
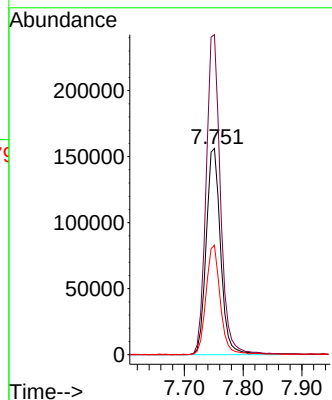
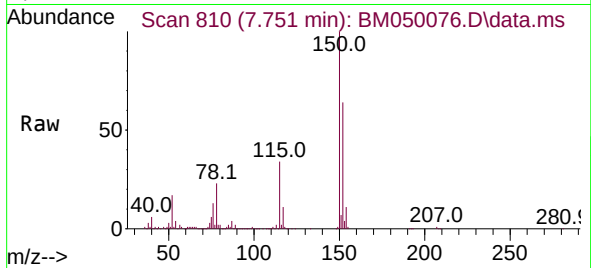




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.751 min Scan# 813
Delta R.T. -0.018 min
Lab File: BM050076.D
Acq: 01 May 2025 22:36

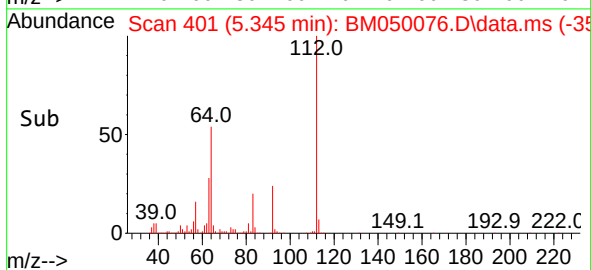
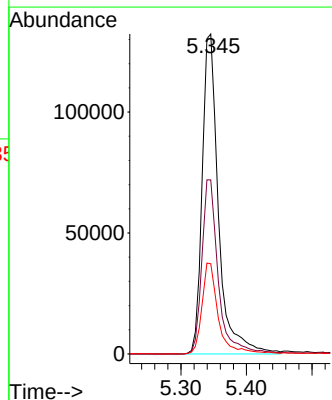
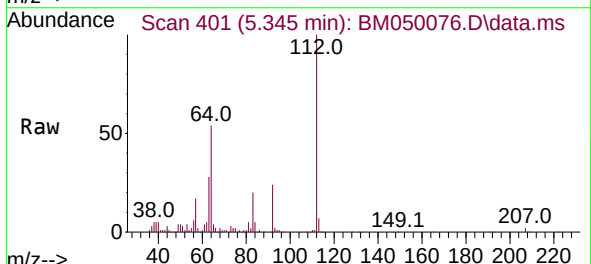
Instrument :
BNA_M
ClientSampleId :
MH-G

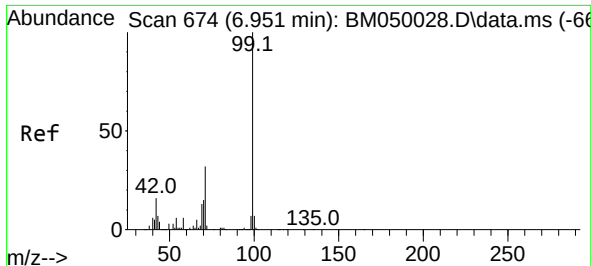
Tgt Ion:152 Resp: 265931
Ion Ratio Lower Upper
152 100
150 155.2 124.1 186.1
115 53.1 41.2 61.8



#5
2-Fluorophenol
Concen: 15.144 ng
RT: 5.345 min Scan# 401
Delta R.T. -0.012 min
Lab File: BM050076.D
Acq: 01 May 2025 22:36

Tgt Ion:112 Resp: 229995
Ion Ratio Lower Upper
112 100
64 54.4 42.6 64.0
63 28.2 22.2 33.4

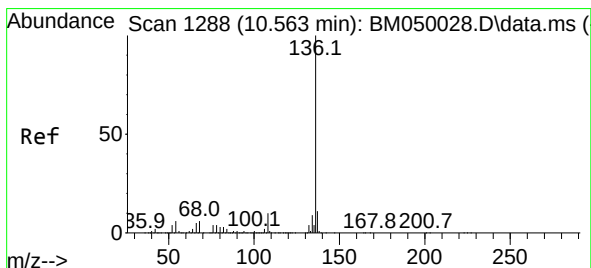
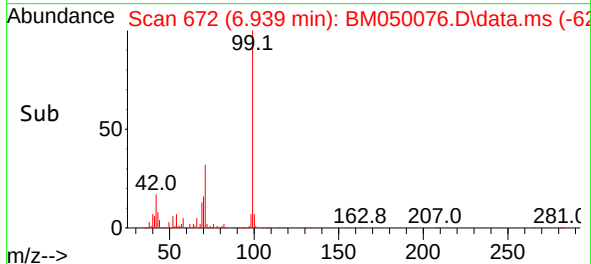
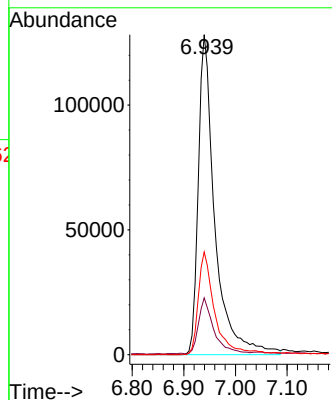
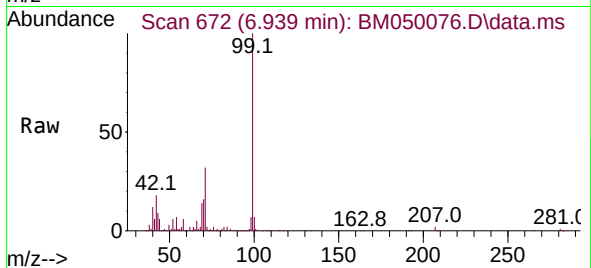




#7
Phenol-d6
Concen: 14.941 ng
RT: 6.939 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM050076.D
Acq: 01 May 2025 22:36

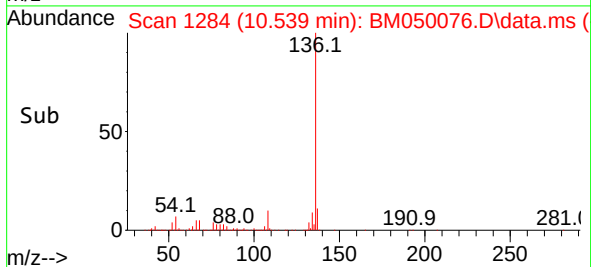
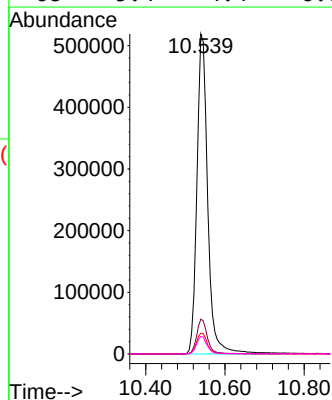
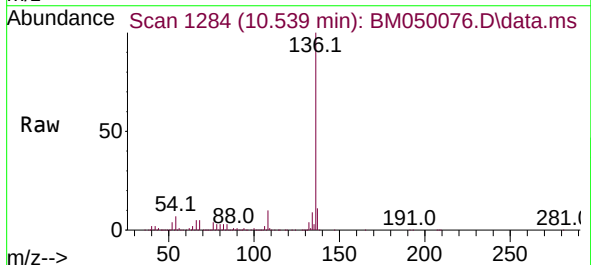
Instrument :
BNA_M
ClientSampleId :
MH-G

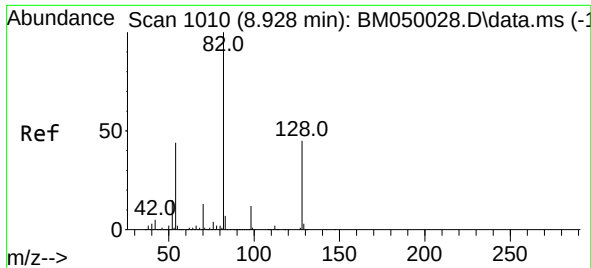
Tgt Ion: 99 Resp: 285187
Ion Ratio Lower Upper
99 100
42 17.8 13.0 19.4
71 32.1 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050076.D
Acq: 01 May 2025 22:36

Tgt Ion: 136 Resp: 982535
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.5 5.1 7.7
68 5.4 4.4 6.6

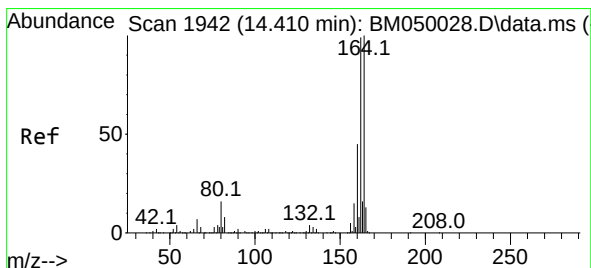
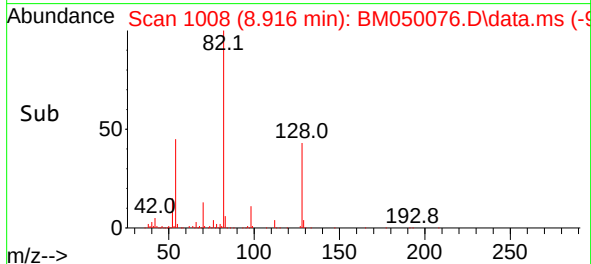
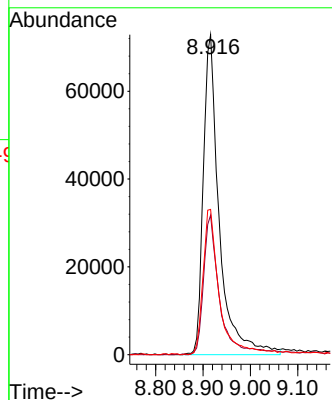
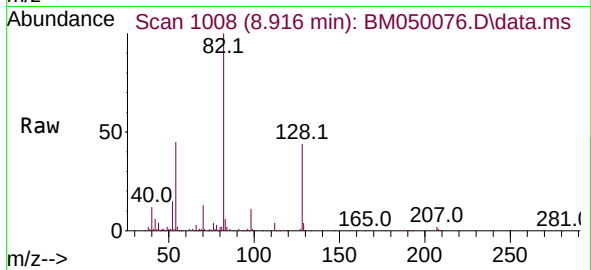




#23
Nitrobenzene-d5
Concen: 8.539 ng
RT: 8.916 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BM050076.D
Acq: 01 May 2025 22:36

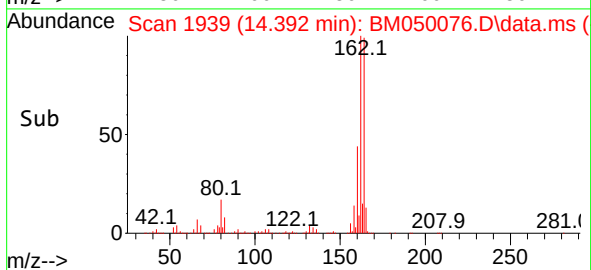
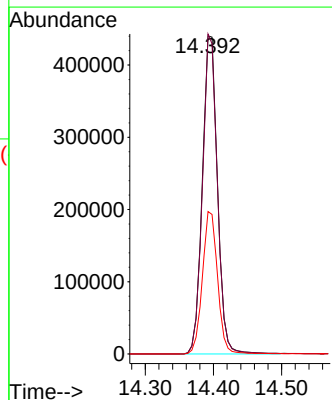
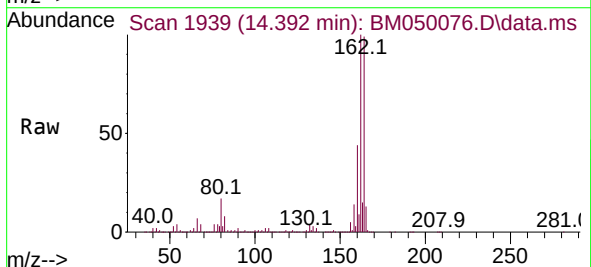
Instrument :
BNA_M
ClientSampleId :
MH-G

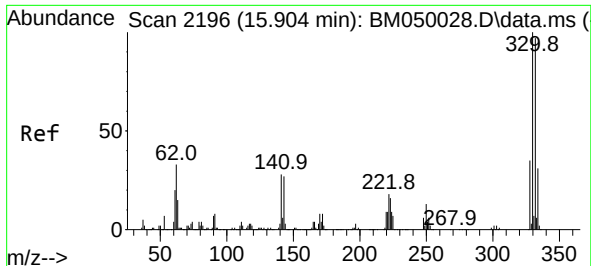
Tgt Ion: 82 Resp: 170259
Ion Ratio Lower Upper
82 100
128 43.6 35.7 53.5
54 45.4 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050076.D
Acq: 01 May 2025 22:36

Tgt Ion:164 Resp: 679483
Ion Ratio Lower Upper
164 100
162 100.6 79.4 119.0
160 44.8 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 14.140 ng

RT: 15.892 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050076.D

Acq: 01 May 2025 22:36

Instrument :

BNA_M

ClientSampleId :

MH-G

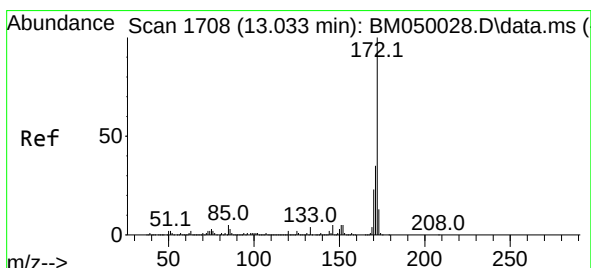
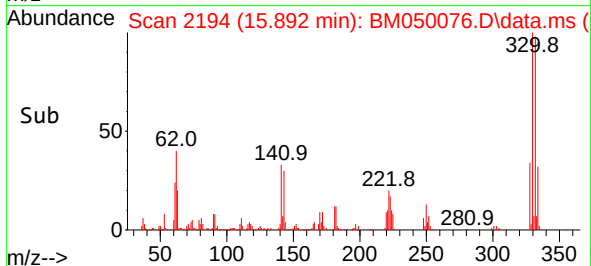
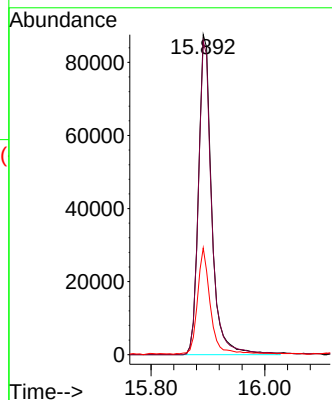
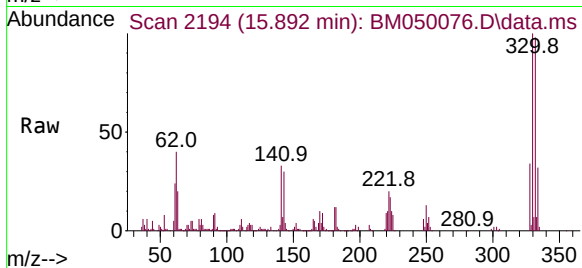
Tgt Ion:330 Resp: 142061

Ion Ratio Lower Upper

330 100

332 97.6 77.3 115.9

141 32.2 22.5 33.7



#45

2-Fluorobiphenyl

Concen: 8.402 ng

RT: 13.016 min Scan# 1705

Delta R.T. -0.018 min

Lab File: BM050076.D

Acq: 01 May 2025 22:36

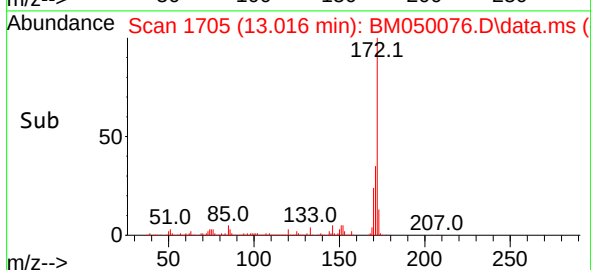
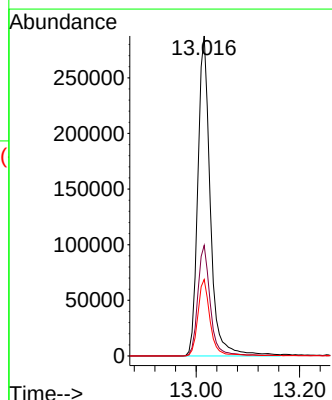
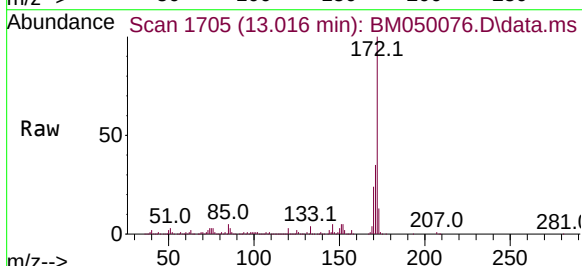
Tgt Ion:172 Resp: 482571

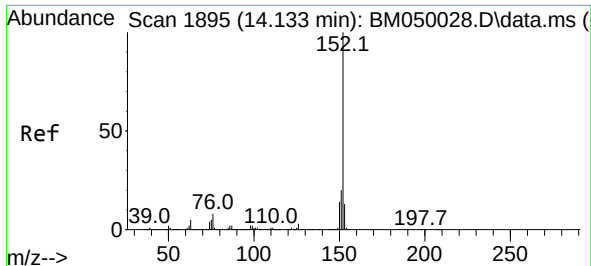
Ion Ratio Lower Upper

172 100

171 34.6 27.8 41.6

170 23.9 18.6 28.0

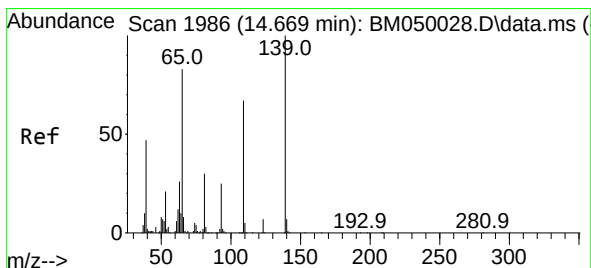
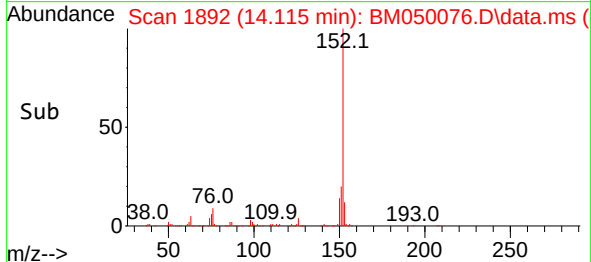
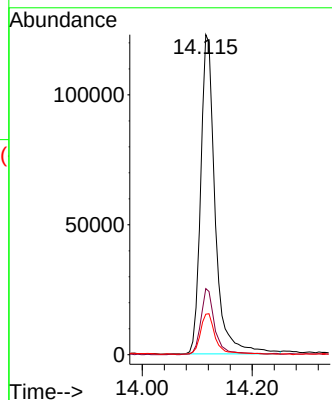
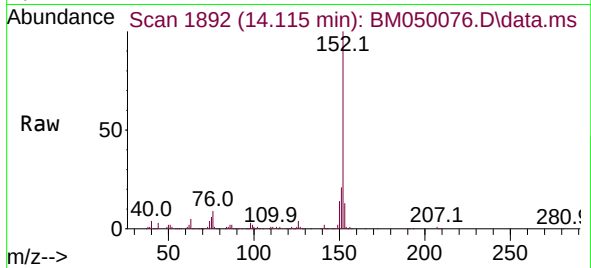




#49
Acenaphthylene
Concen: 3.577 ng
RT: 14.115 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050076.D
Acq: 01 May 2025 22:36

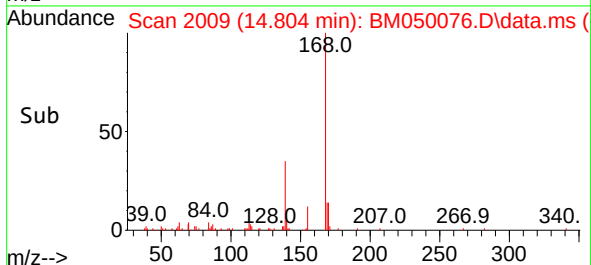
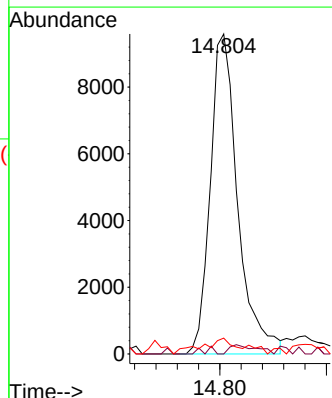
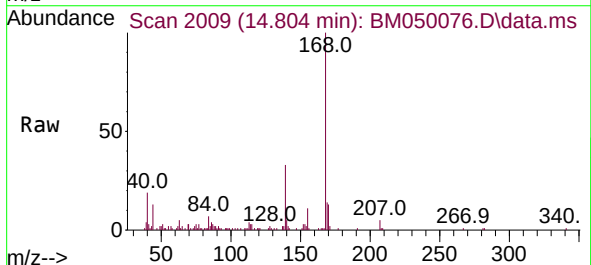
Instrument :
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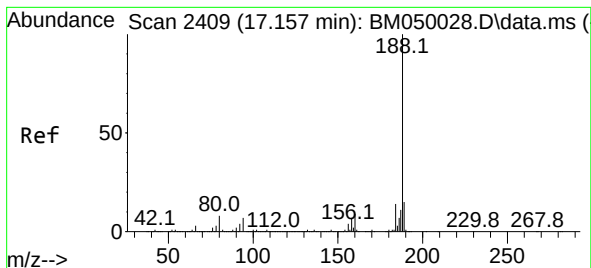
Tgt Ion:152 Resp: 225622
Ion Ratio Lower Upper
152 100
151 20.6 15.8 23.8
153 12.7 10.6 15.8



#56
4-Nitrophenol
Concen: 6.560 ng
RT: 14.804 min Scan# 2009
Delta R.T. 0.135 min
Lab File: BM050076.D
Acq: 01 May 2025 22:36

Tgt Ion:139 Resp: 17151
Ion Ratio Lower Upper
139 100
109 0.0 47.0 87.0#
65 5.0 64.3 104.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.139 min Scan# 2409

Delta R.T. -0.018 min

Lab File: BM050076.D

Acq: 01 May 2025 22:36

Instrument :

BNA_M

ClientSampleId :

MH-G

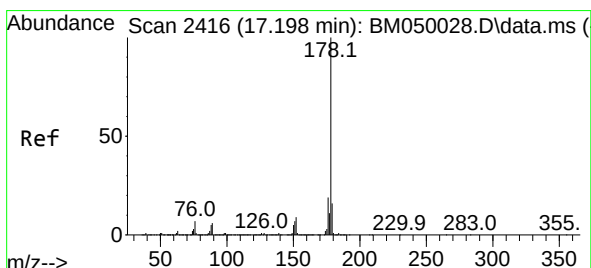
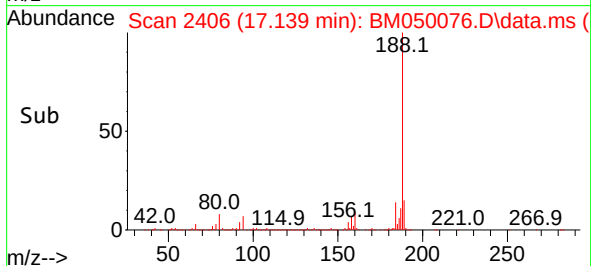
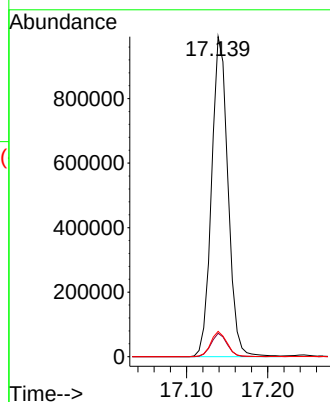
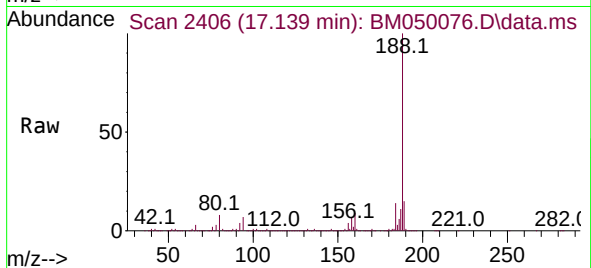
Tgt Ion:188 Resp: 1391518

Ion Ratio Lower Upper

188 100

94 7.3 5.7 8.5

80 7.9 6.2 9.4



#71

Phenanthrene

Concen: 7.650 ng

RT: 17.186 min Scan# 2414

Delta R.T. -0.012 min

Lab File: BM050076.D

Acq: 01 May 2025 22:36

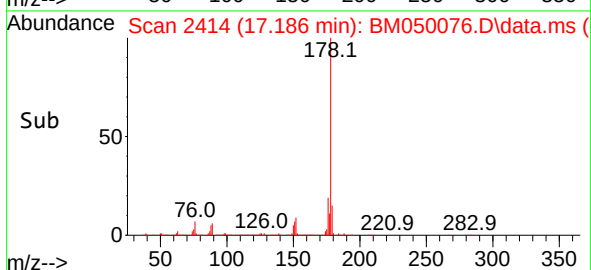
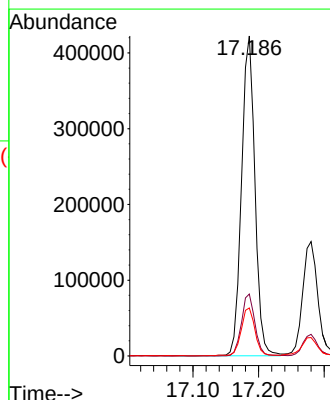
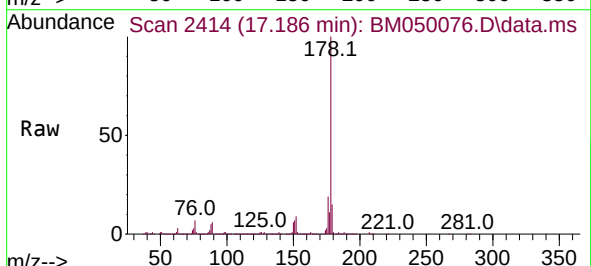
Tgt Ion:178 Resp: 600370

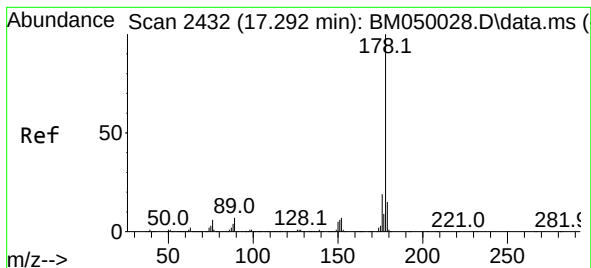
Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

179 15.0 12.4 18.6





#72

Anthracene

Concen: 2.928 ng

RT: 17.280 min Scan# 2432

Delta R.T. -0.012 min

Lab File: BM050076.D

Acq: 01 May 2025 22:36

Instrument :

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ClientSampleId :

MH-G

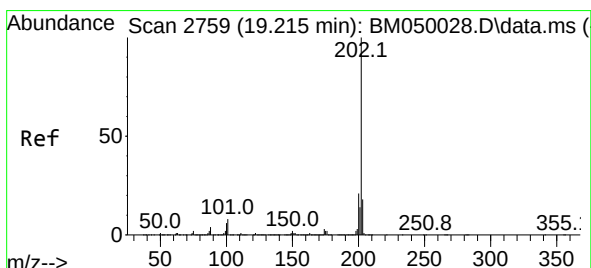
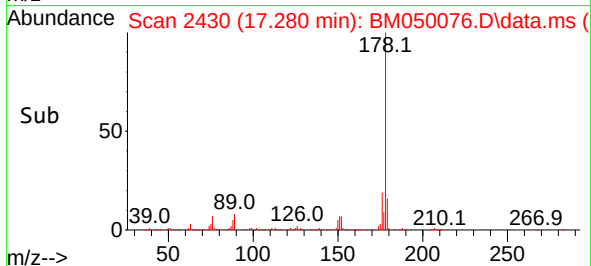
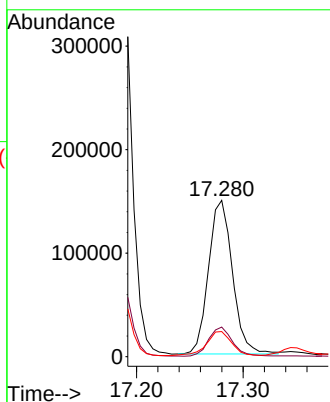
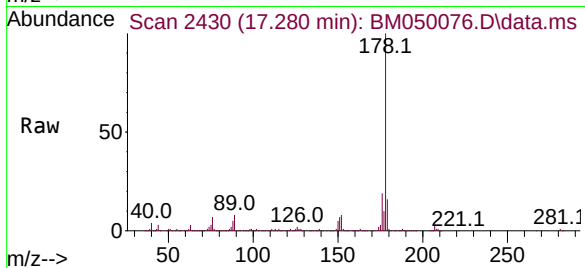
Tgt Ion:178 Resp: 232532

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

179 16.1 12.2 18.4



#75

Fluoranthene

Concen: 11.130 ng

RT: 19.203 min Scan# 2757

Delta R.T. -0.012 min

Lab File: BM050076.D

Acq: 01 May 2025 22:36

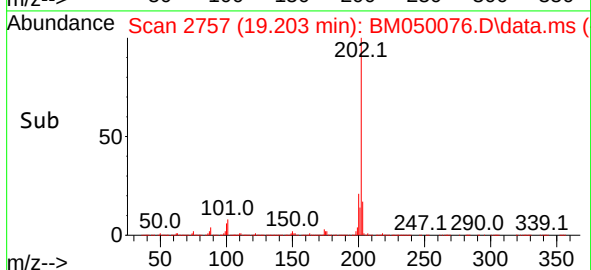
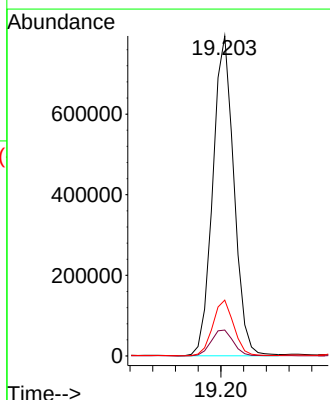
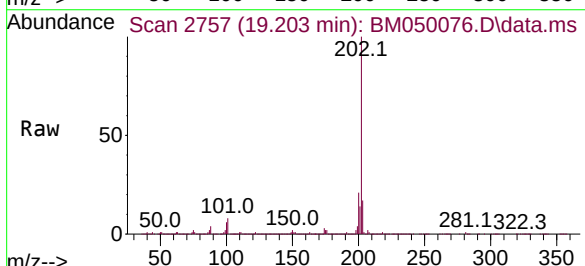
Tgt Ion:202 Resp: 1025605

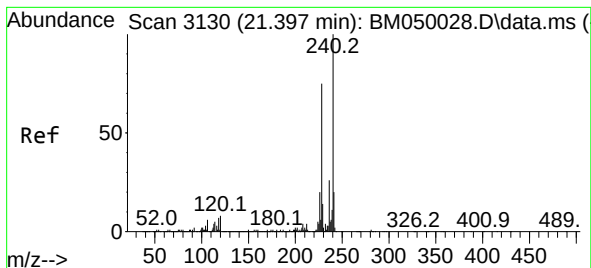
Ion Ratio Lower Upper

202 100

101 8.1 0.0 28.0

203 17.5 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.380 min Scan# 31

Delta R.T. -0.017 min

Lab File: BM050076.D

Acq: 01 May 2025 22:36

Instrument :

BNA_M

ClientSampleId :

MH-G

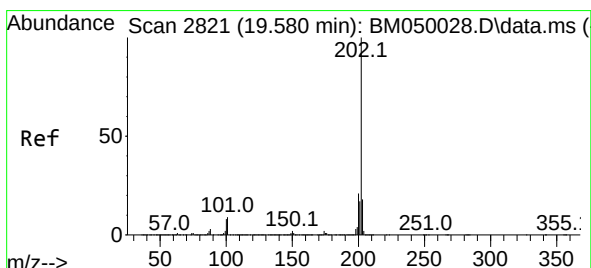
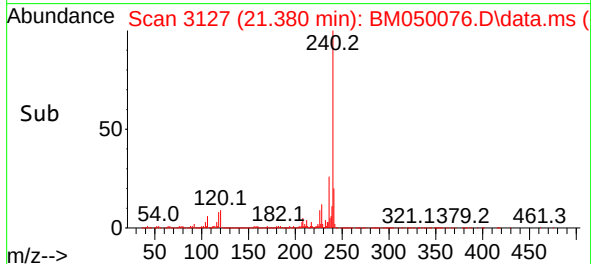
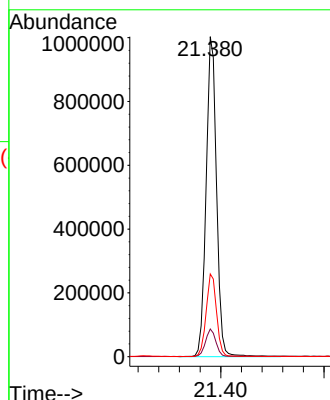
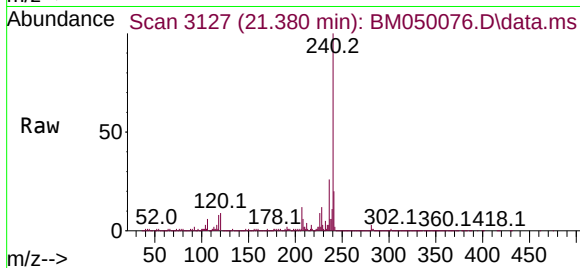
Tgt Ion:240 Resp: 1398009

Ion Ratio Lower Upper

240 100

120 8.6 6.5 9.7

236 25.9 20.9 31.3



#78

Pyrene

Concen: 9.705 ng

RT: 19.562 min Scan# 2818

Delta R.T. -0.018 min

Lab File: BM050076.D

Acq: 01 May 2025 22:36

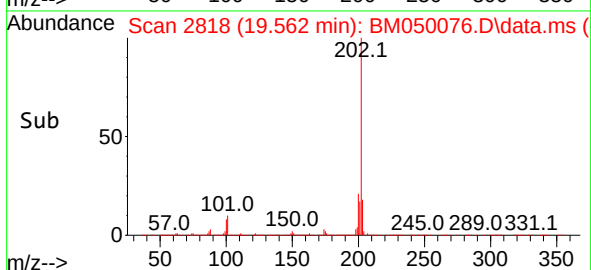
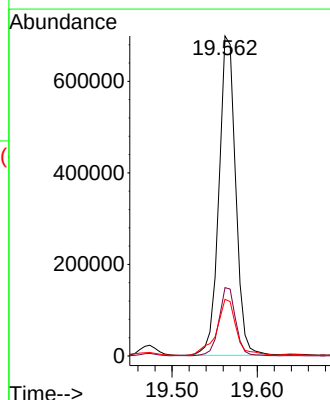
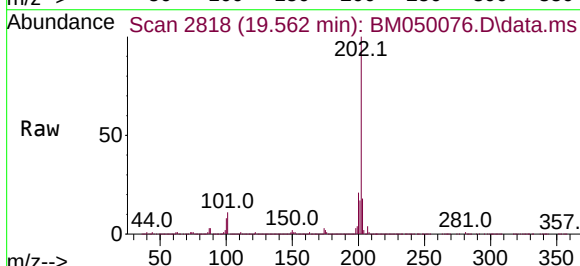
Tgt Ion:202 Resp: 952755

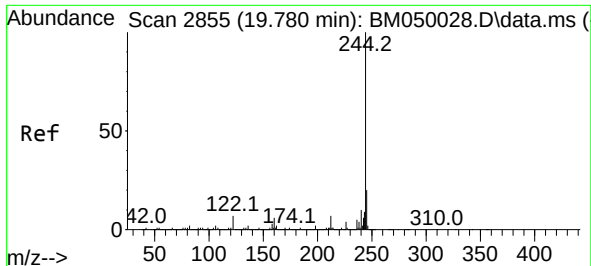
Ion Ratio Lower Upper

202 100

200 21.4 16.7 25.1

203 17.7 14.1 21.1

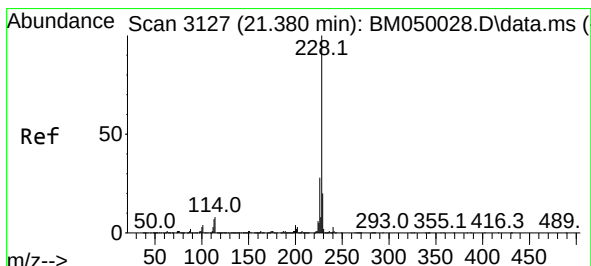
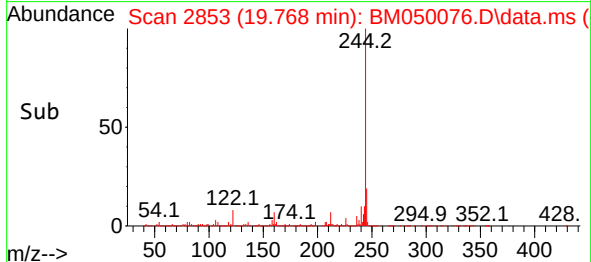
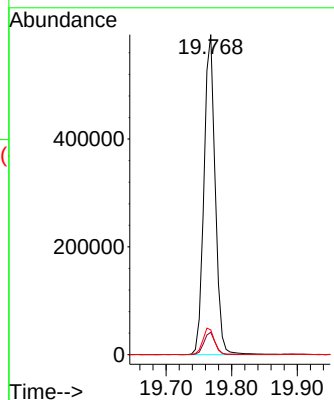
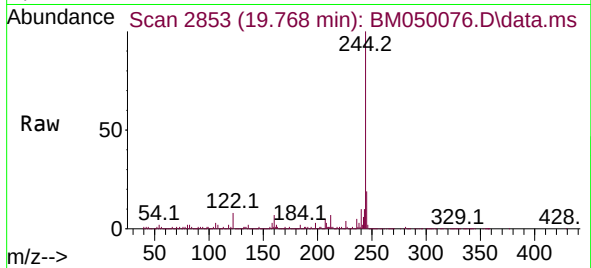




#79
 Terphenyl-d14
 Concen: 7.498 ng
 RT: 19.768 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM050076.D
 Acq: 01 May 2025 22:36

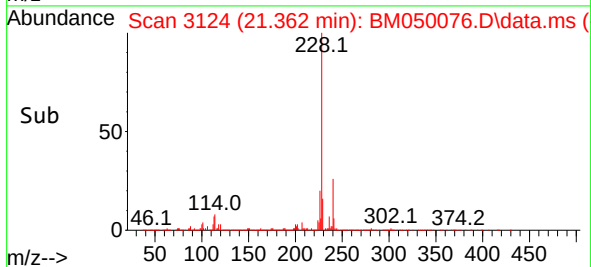
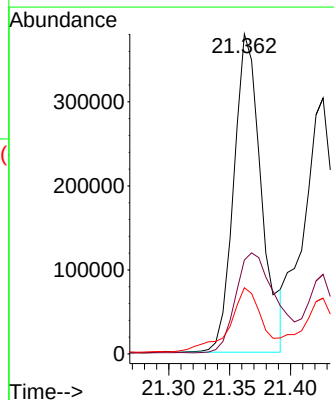
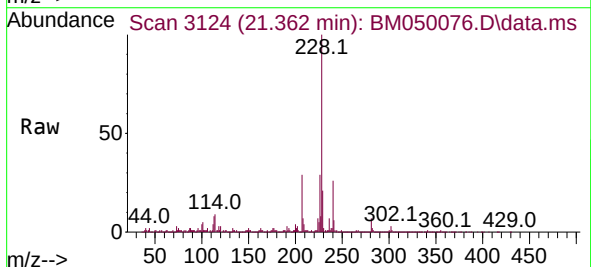
Instrument :
 BNA_M
 ClientSampleId :
 MH-G

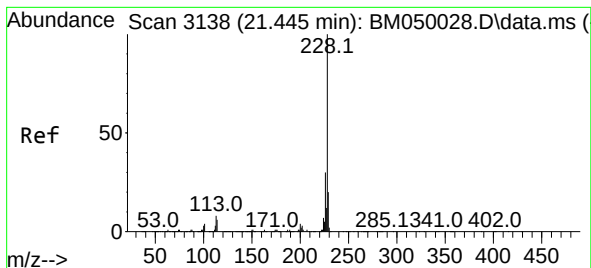
Tgt Ion:244 Resp: 708428
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 7.8 5.6 8.4



#81
 Benzo(a)anthracene
 Concen: 6.213 ng
 RT: 21.362 min Scan# 3124
 Delta R.T. -0.018 min
 Lab File: BM050076.D
 Acq: 01 May 2025 22:36

Tgt Ion:228 Resp: 598160
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.1 33.1
 229 20.7 15.7 23.5





#83

Chrysene

Concen: 5.909 ng

RT: 21.427 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM050076.D

Acq: 01 May 2025 22:36

Instrument :

BNA_M

ClientSampleId :

MH-G

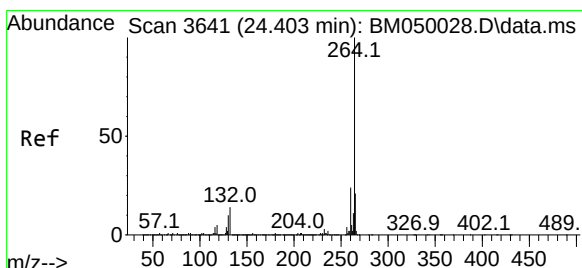
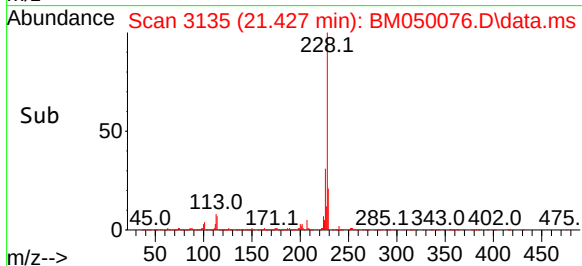
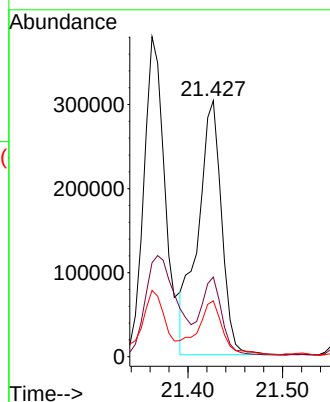
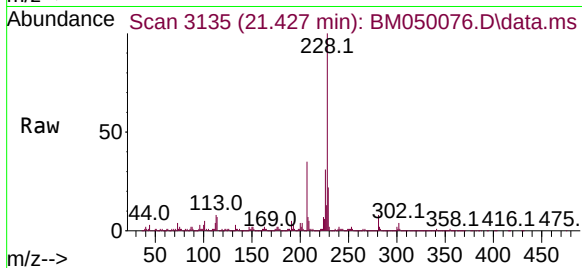
Tgt Ion:228 Resp: 526465

Ion Ratio Lower Upper

228 100

226 31.1 24.2 36.2

229 21.8 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.374 min Scan# 3636

Delta R.T. -0.030 min

Lab File: BM050076.D

Acq: 01 May 2025 22:36

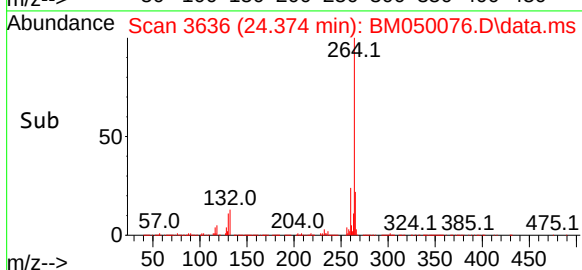
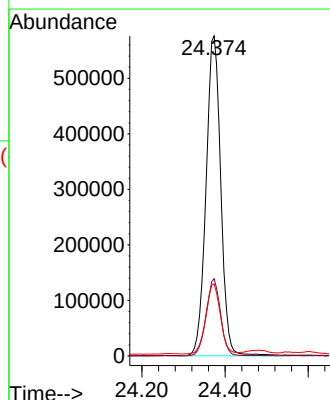
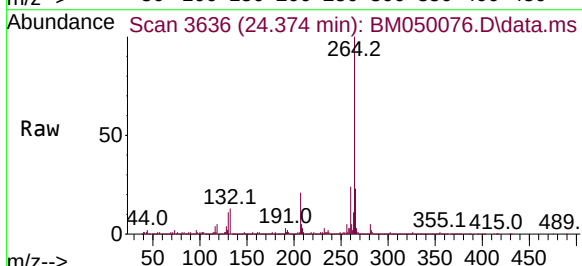
Tgt Ion:264 Resp: 1414560

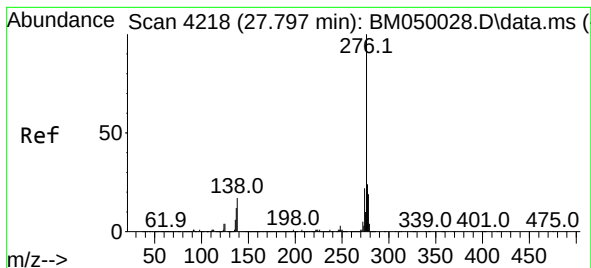
Ion Ratio Lower Upper

264 100

260 24.2 18.8 28.2

265 22.5 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.825 ng

RT: 27.744 min Scan# 41

Delta R.T. -0.053 min

Lab File: BM050076.D

Acq: 01 May 2025 22:36

Instrument :

BNA_M

ClientSampleId :

MH-G

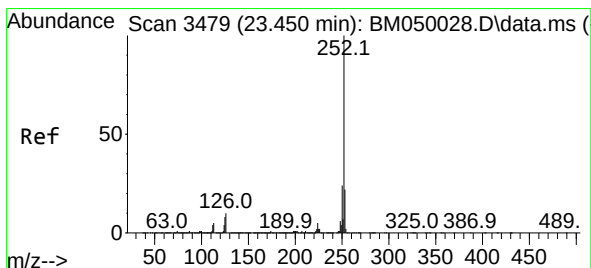
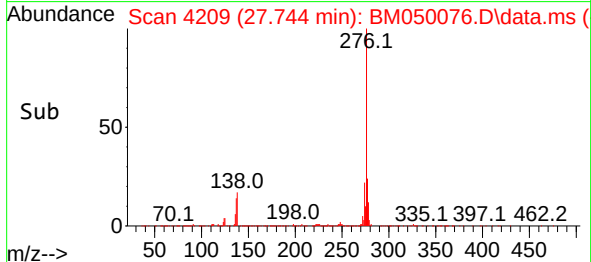
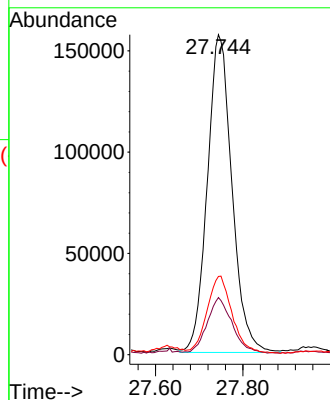
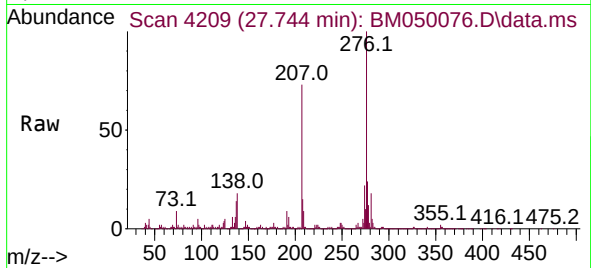
Tgt Ion:276 Resp: 613985

Ion Ratio Lower Upper

276 100

138 17.4 16.4 24.6

277 24.9 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 12.293 ng

RT: 23.433 min Scan# 3476

Delta R.T. -0.018 min

Lab File: BM050076.D

Acq: 01 May 2025 22:36

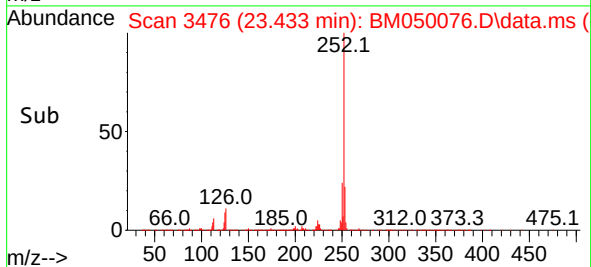
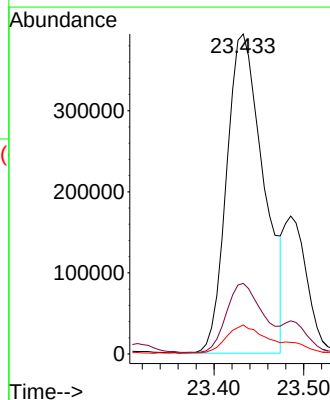
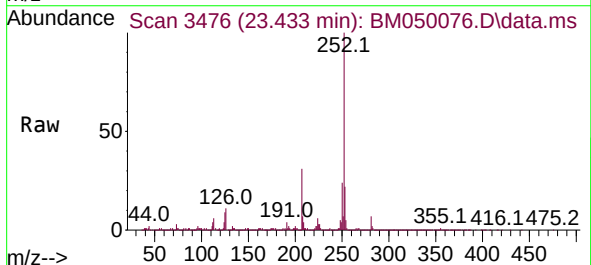
Tgt Ion:252 Resp: 1130915

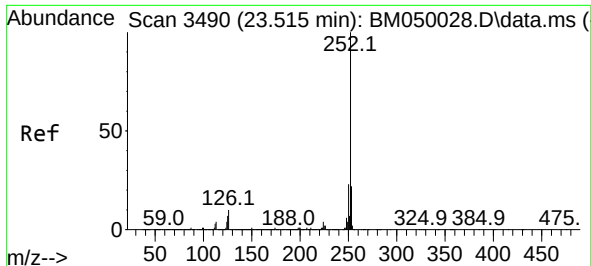
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 9.0 6.1 9.1

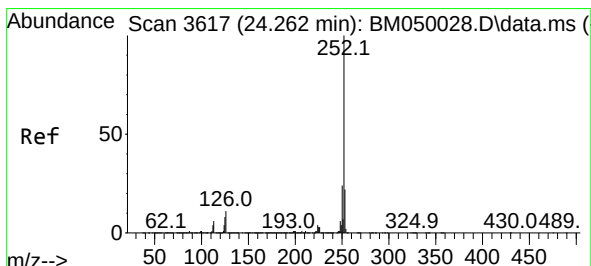
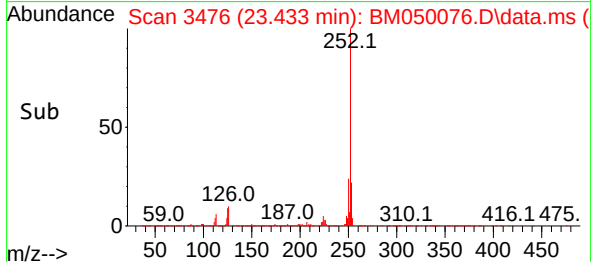
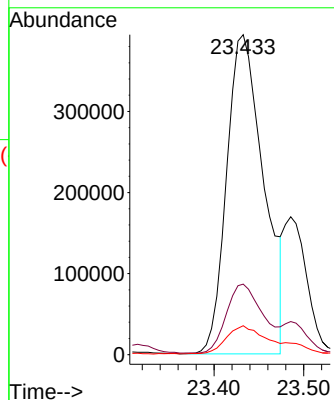
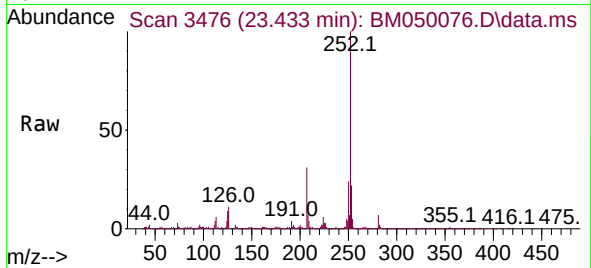




#89
Benzo(k)fluoranthene
Concen: 12.153 ng
RT: 23.433 min Scan# 34
Delta R.T. -0.082 min
Lab File: BM050076.D
Acq: 01 May 2025 22:36

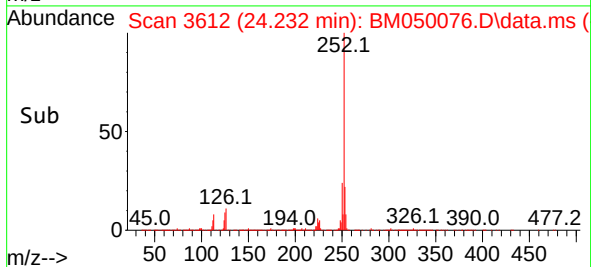
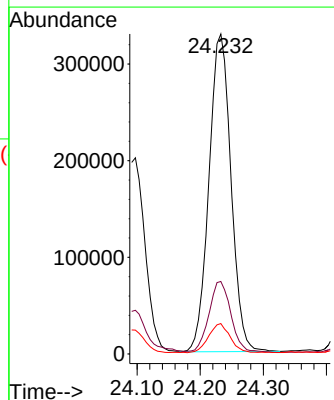
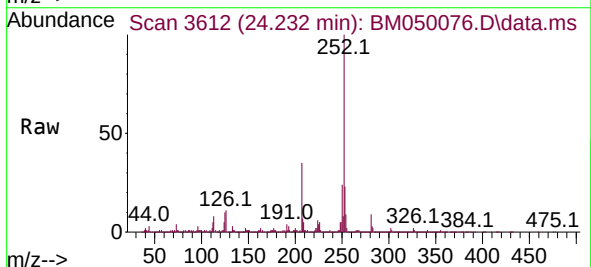
Instrument :
BNA_M
ClientSampleId :
MH-G

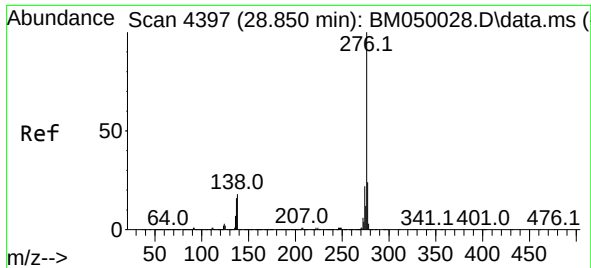
Tgt Ion:252 Resp: 1130915
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 9.0 5.8 8.8#



#90
Benzo(a)pyrene
Concen: 9.240 ng
RT: 24.232 min Scan# 3612
Delta R.T. -0.030 min
Lab File: BM050076.D
Acq: 01 May 2025 22:36

Tgt Ion:252 Resp: 796098
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 9.5 6.6 9.8





#92
 Benzo(g,h,i)perylene
 Concen: 7.210 ng
 RT: 28.791 min Scan# 41
 Delta R.T. -0.059 min
 Lab File: BM050076.D
 Acq: 01 May 2025 22:36

Instrument :
 BNA_M
 ClientSampleId :
 MH-G

Tgt Ion:276 Resp: 593080
 Ion Ratio Lower Upper
 276 100
 277 24.1 19.1 28.7
 138 17.3 14.3 21.5

