

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050107.D
 Acq On : 05 May 2025 20:16
 Operator : RC/JU
 Sample : Q1914-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SS-3

Quant Time: May 06 05:20:04 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)

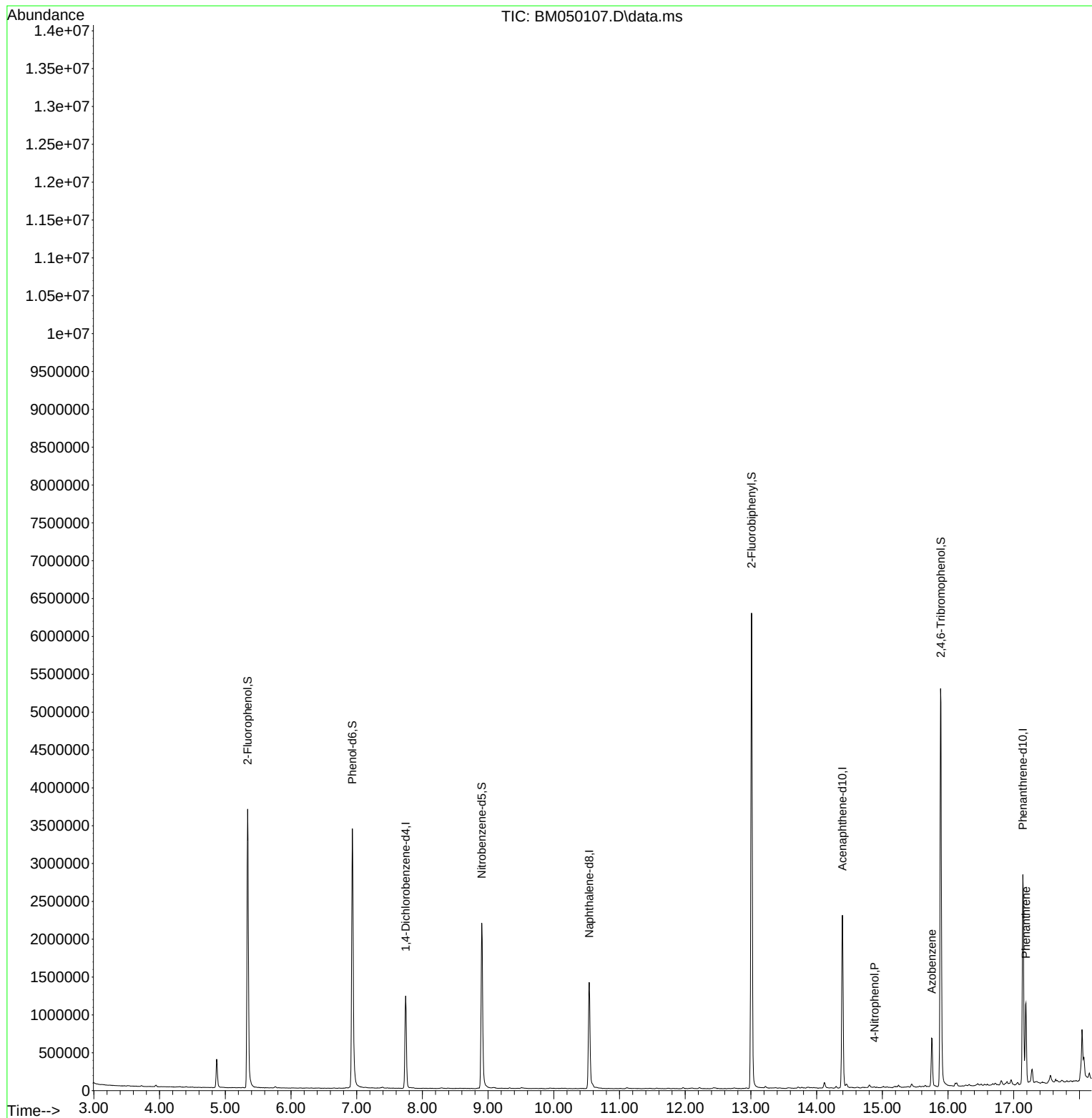
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	368852	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1311014	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	867173	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1719608	20.000	ng	-0.02
76) Chrysene-d12	21.386	240	1608473	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1592324	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1805213	85.700	ng	-0.02
7) Phenol-d6	6.934	99	2320709	87.656	ng	-0.02
23) Nitrobenzene-d5	8.904	82	1396497	52.489	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	1191305	92.909	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	3608826	49.231	ng	-0.02
79) Terphenyl-d14	19.768	244	5314095	48.888	ng	-0.01
Target Compounds						Qvalue
56) 4-Nitrophenol	14.880	139	509	4.581	ng	82
63) Azobenzene	15.751	77	180922	3.615	ng	# 1
71) Phenanthrene	17.186	178	689452	7.109	ng	100
75) Fluoranthene	19.203	202	1354430	11.895	ng	99
78) Pyrene	19.562	202	1180303	10.450	ng	100
81) Benzo(a)anthracene	21.362	228	626720	5.658	ng	98
83) Chrysene	21.427	228	573228	5.592	ng	98
87) Indeno(1,2,3-cd)pyrene	27.750	276	426350	3.593	ng	97
88) Benzo(b)fluoranthene	23.433	252	754462	7.286	ng	# 97
89) Benzo(k)fluoranthene	23.433	252	754462	7.203	ng	# 97
90) Benzo(a)pyrene	24.233	252	541813	5.586	ng	95
92) Benzo(g,h,i)perylene	28.803	276	468965	5.065	ng	99

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

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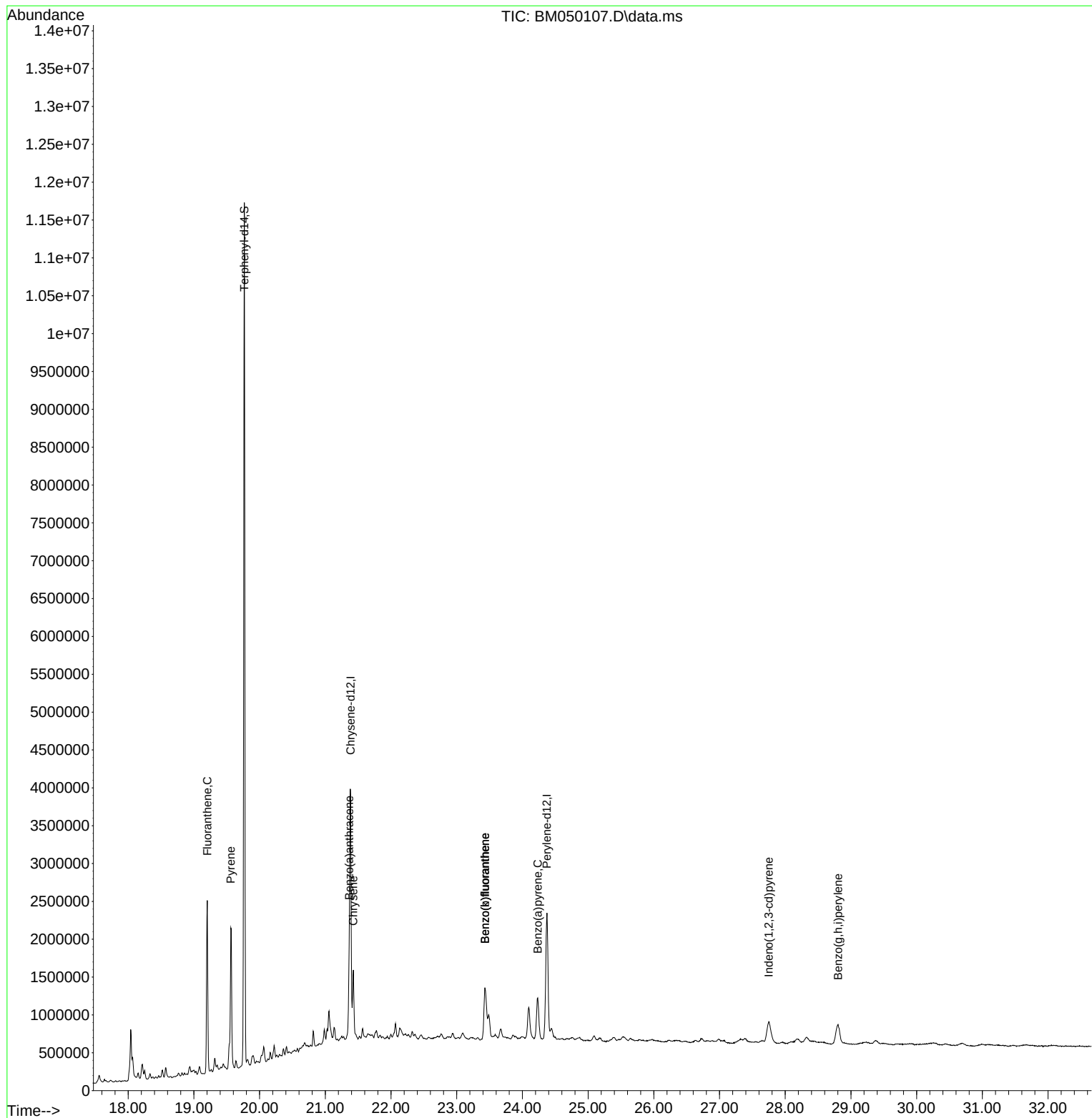
Quant Time: May 06 05:20:04 2025
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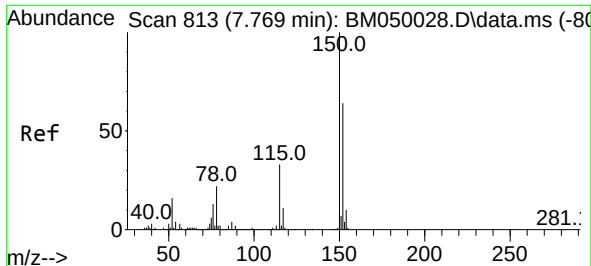


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
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QLast Update : Mon Apr 28 18:09:16 2025
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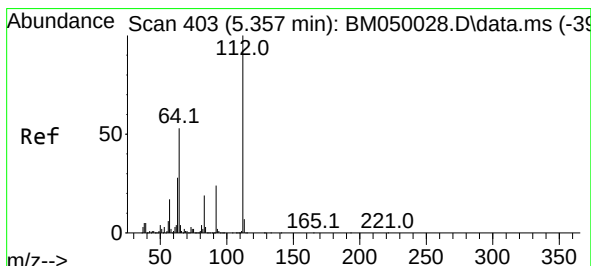
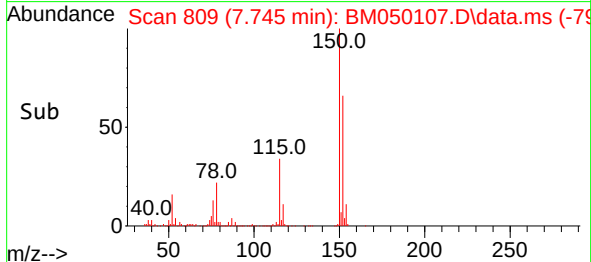
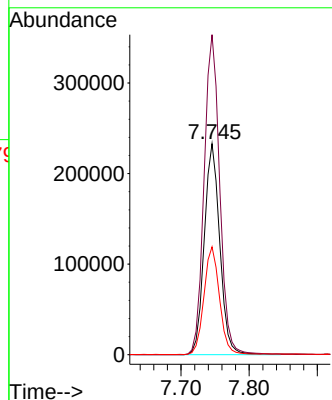
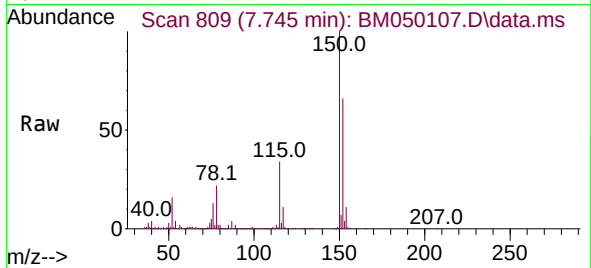




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.024 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

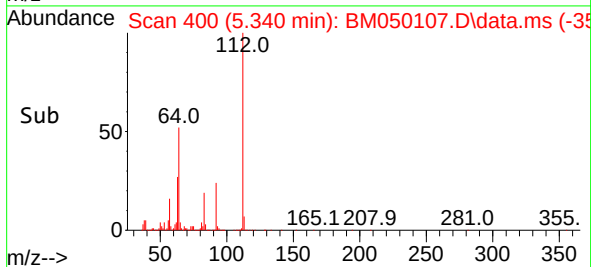
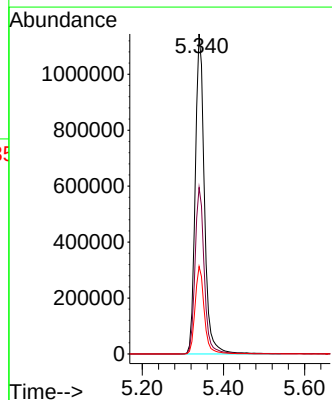
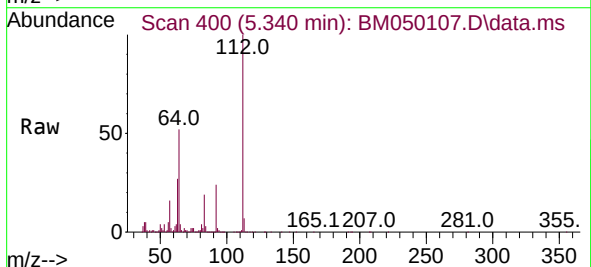
Instrument :
BNA_M
ClientSampleId :
SS-3

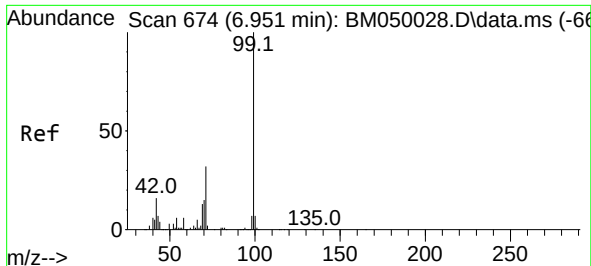
Tgt Ion:152 Resp: 368852
Ion Ratio Lower Upper
152 100
150 151.6 124.1 186.1
115 51.1 41.2 61.8



#5
2-Fluorophenol
Concen: 85.700 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

Tgt Ion:112 Resp: 1805213
Ion Ratio Lower Upper
112 100
64 52.1 42.6 64.0
63 27.4 22.2 33.4

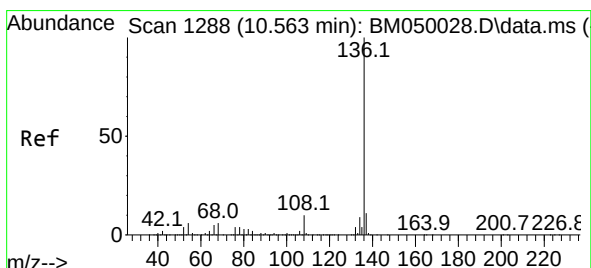
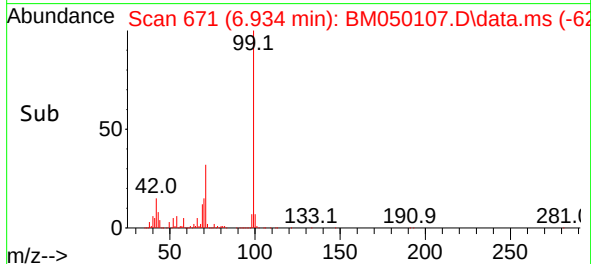
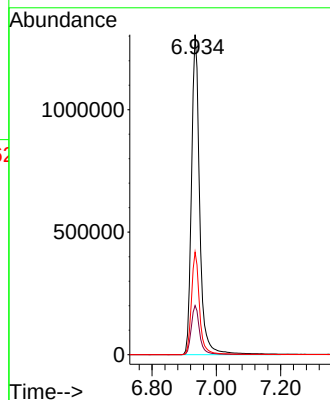
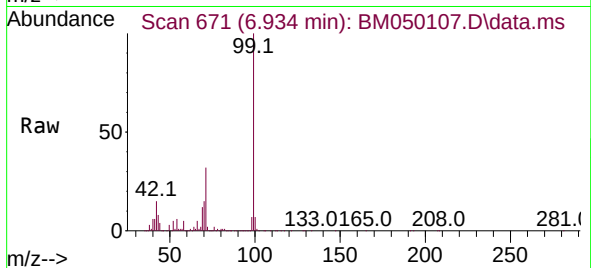




#7
Phenol-d6
Concen: 87.656 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

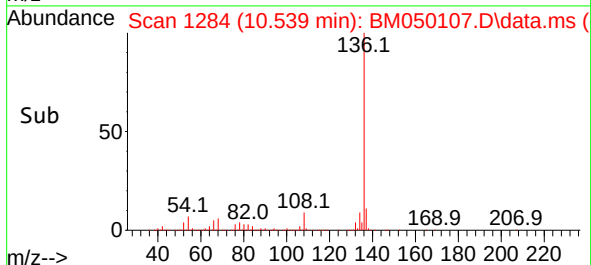
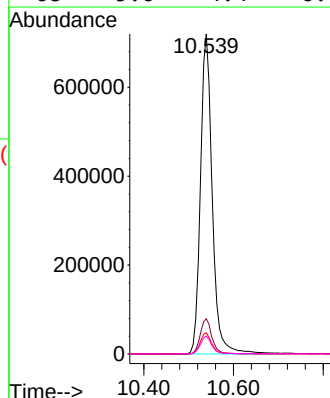
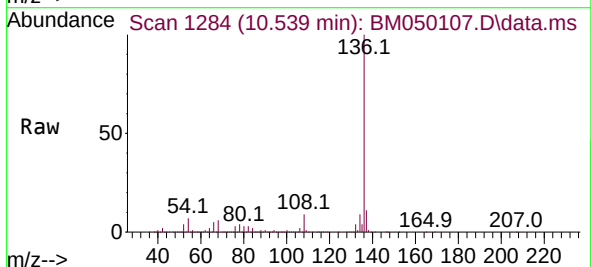
Instrument :
BNA_M
ClientSampleId :
SS-3

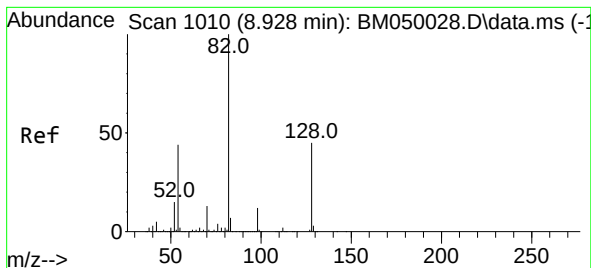
Tgt Ion: 99 Resp: 2320709
Ion Ratio Lower Upper
99 100
42 15.4 13.0 19.4
71 32.0 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

Tgt Ion: 136 Resp: 1311014
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 6.6 5.1 7.7
68 5.6 4.4 6.6





#23

Nitrobenzene-d5

Concen: 52.489 ng

RT: 8.904 min Scan# 1006

Delta R.T. -0.024 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

Instrument :

BNA_M

ClientSampleId :

SS-3

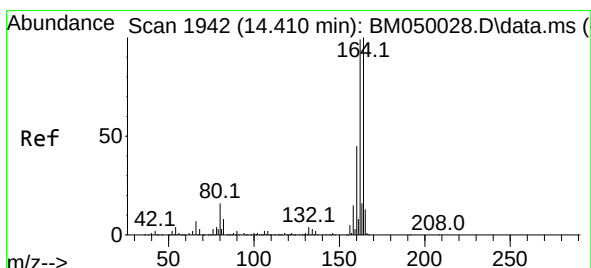
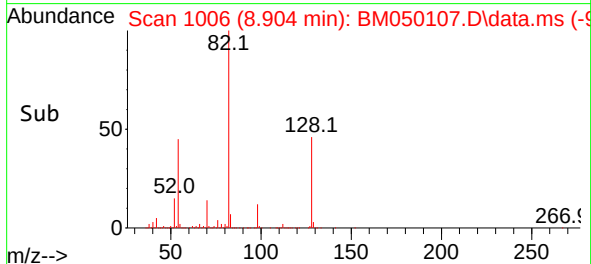
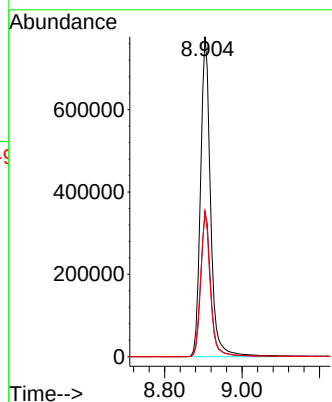
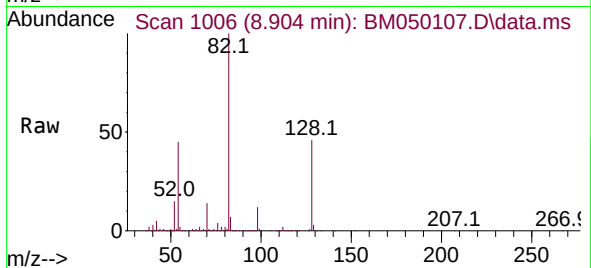
Tgt Ion: 82 Resp: 1396497

Ion Ratio Lower Upper

82 100

128 45.5 35.7 53.5

54 44.9 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: BM050107.D

Acq: 05 May 2025 20:16

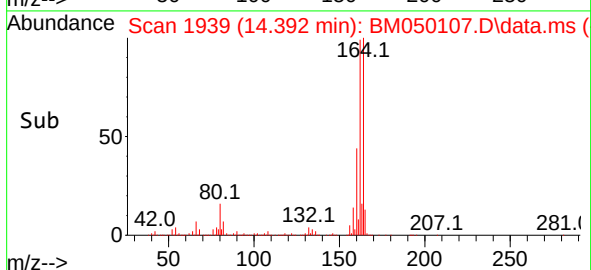
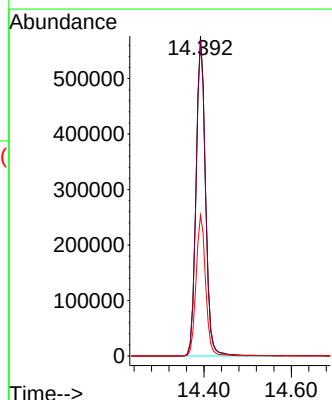
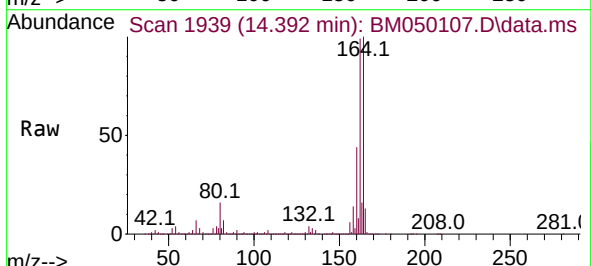
Tgt Ion:164 Resp: 867173

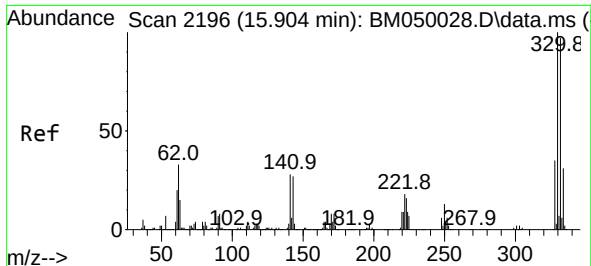
Ion Ratio Lower Upper

164 100

162 98.6 79.4 119.0

160 44.0 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 92.909 ng

RT: 15.892 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

Instrument :

BNA_M

ClientSampleId :

SS-3

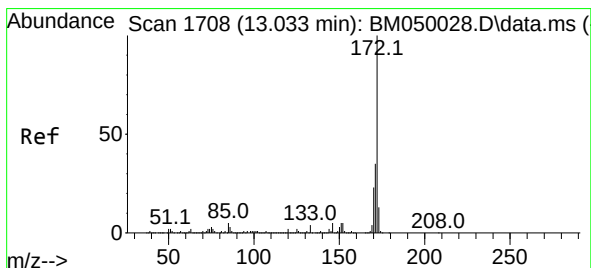
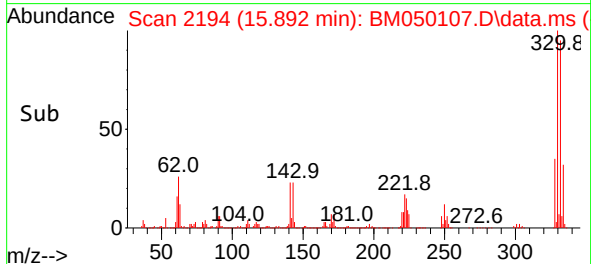
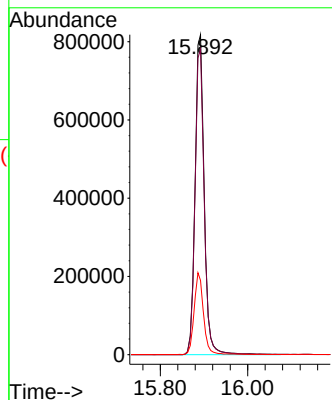
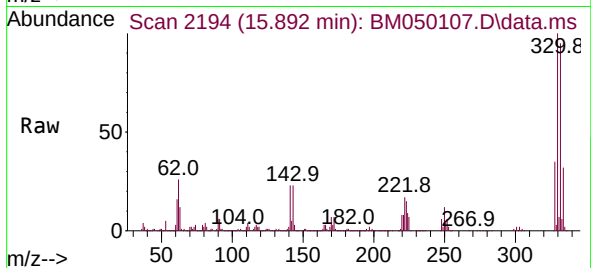
Tgt Ion:330 Resp: 1191305

Ion Ratio Lower Upper

330 100

332 96.1 77.3 115.9

141 26.3 22.5 33.7



#45

2-Fluorobiphenyl

Concen: 49.231 ng

RT: 13.010 min Scan# 1704

Delta R.T. -0.024 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

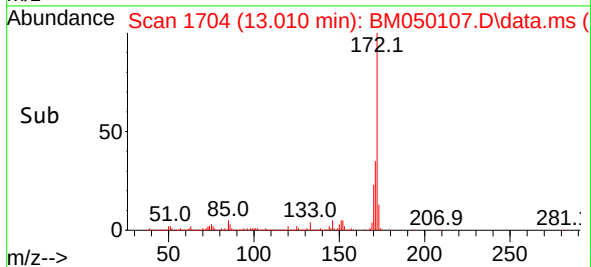
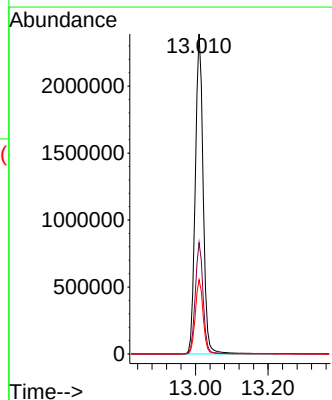
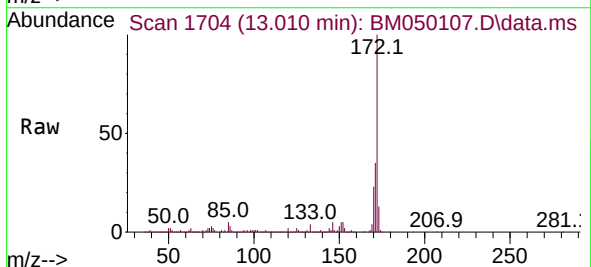
Tgt Ion:172 Resp: 3608826

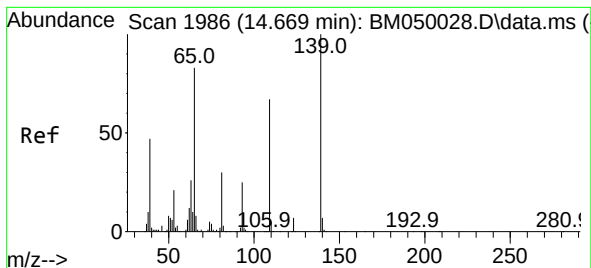
Ion Ratio Lower Upper

172 100

171 34.8 27.8 41.6

170 23.2 18.6 28.0

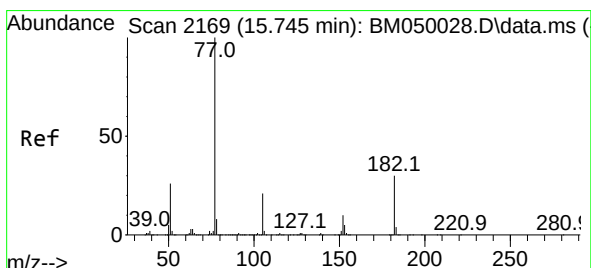
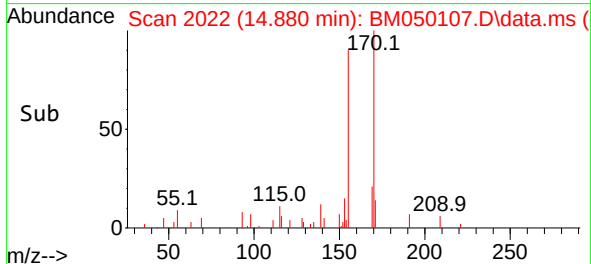
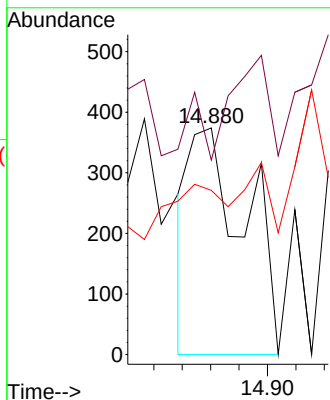
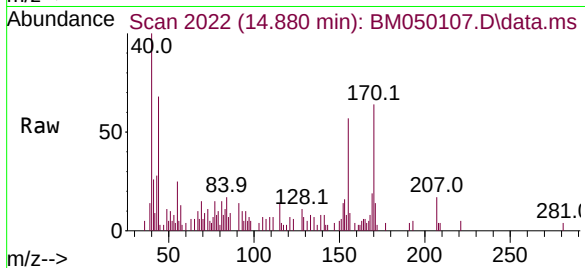




#56
4-Nitrophenol
Concen: 4.581 ng
RT: 14.880 min Scan# 20
Delta R.T. 0.211 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

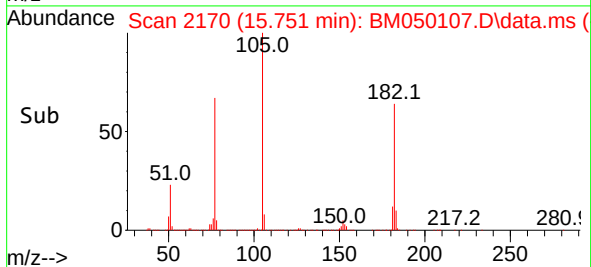
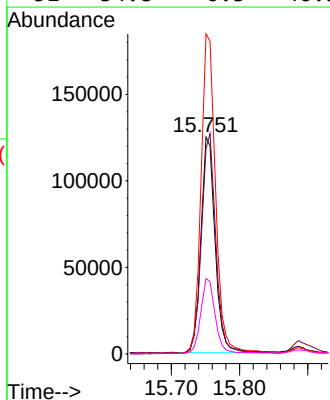
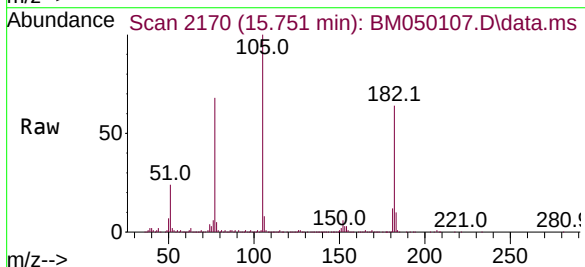
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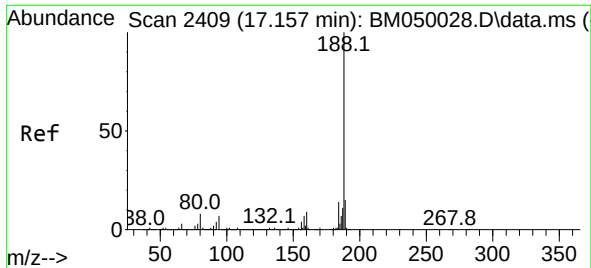
Tgt Ion:139 Resp: 509
Ion Ratio Lower Upper
139 100
109 85.8 47.0 87.0
65 72.5 64.3 104.3



#63
Azobenzene
Concen: 3.615 ng
RT: 15.751 min Scan# 2170
Delta R.T. 0.006 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

Tgt Ion: 77 Resp: 180922
Ion Ratio Lower Upper
77 100
182 94.7 10.5 50.5#
105 147.6 1.1 41.1#
51 34.8 6.3 46.3

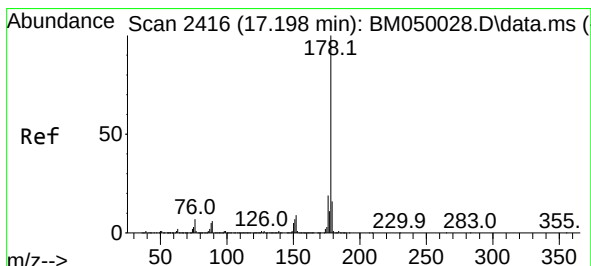
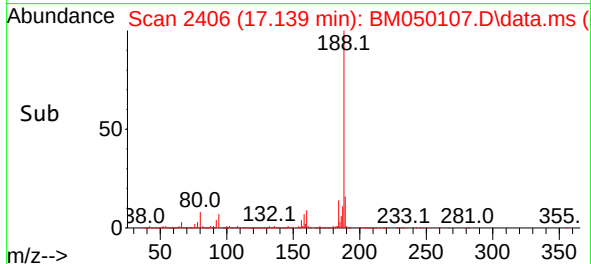
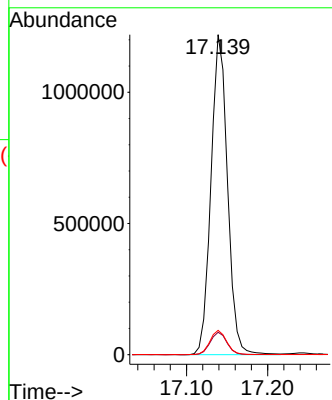
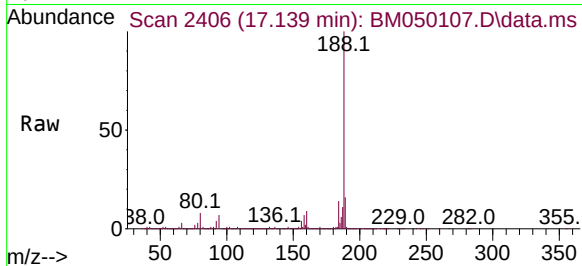




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

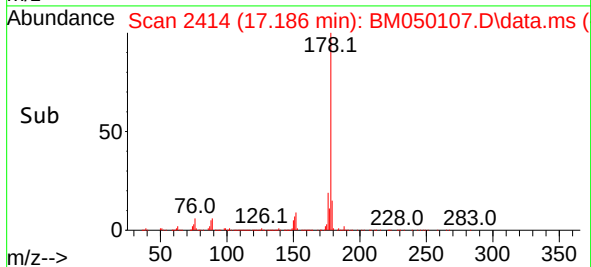
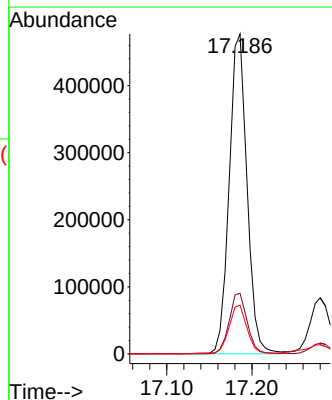
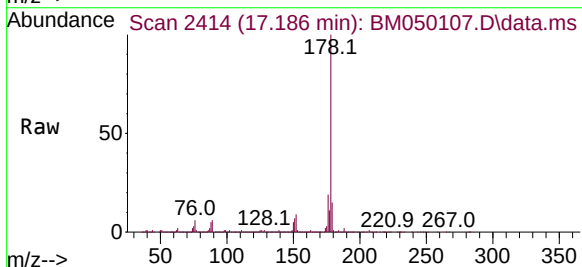
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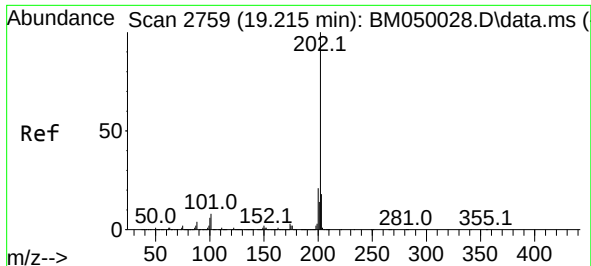
Tgt Ion:188 Resp: 1719608
Ion Ratio Lower Upper
188 100
94 7.0 5.7 8.5
80 7.6 6.2 9.4



#71
Phenanthrene
Concen: 7.109 ng
RT: 17.186 min Scan# 2414
Delta R.T. -0.012 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

Tgt Ion:178 Resp: 689452
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.3 12.4 18.6

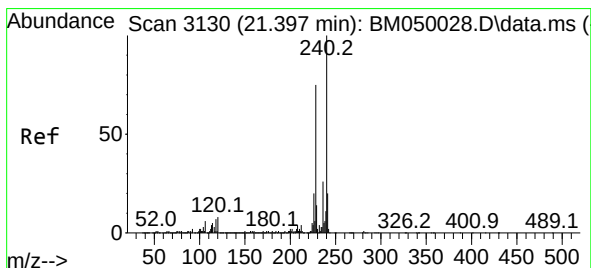
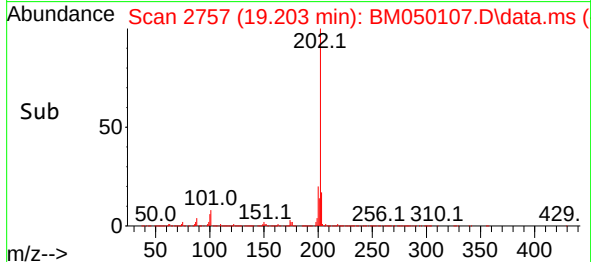
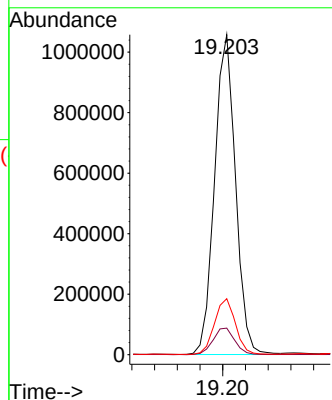
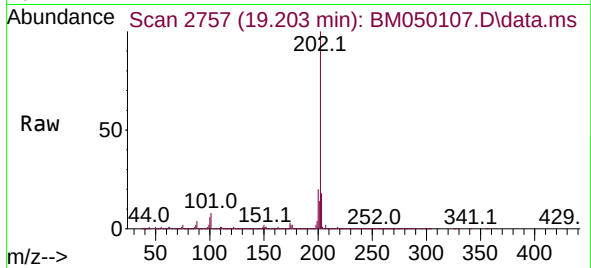




#75
Fluoranthene
Concen: 11.895 ng
RT: 19.203 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

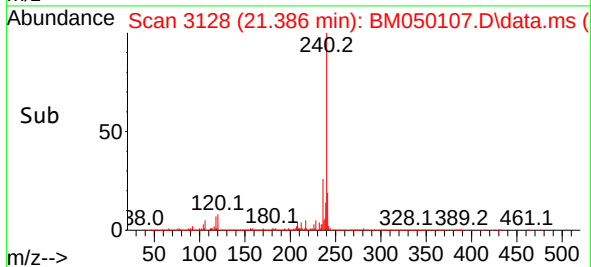
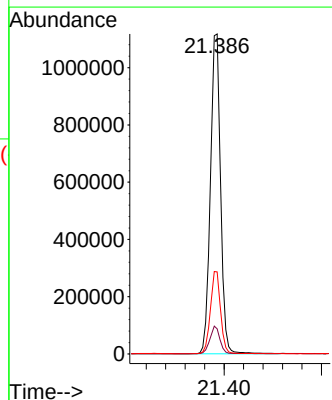
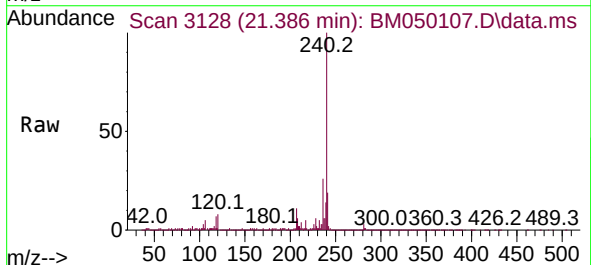
Instrument :
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ClientSampleId :
SS-3

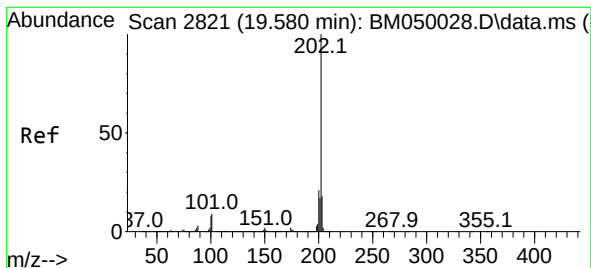
Tgt Ion:202 Resp: 1354430
Ion Ratio Lower Upper
202 100
101 8.3 0.0 28.0
203 17.5 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.011 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

Tgt Ion:240 Resp: 1608473
Ion Ratio Lower Upper
240 100
120 7.9 6.5 9.7
236 25.6 20.9 31.3





#78

Pyrene

Concen: 10.450 ng

RT: 19.562 min Scan# 2818

Delta R.T. -0.018 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

Instrument :

BNA_M

ClientSampleId :

SS-3

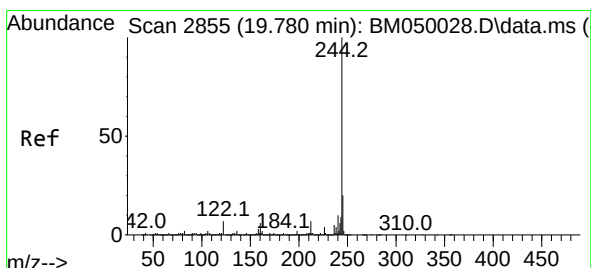
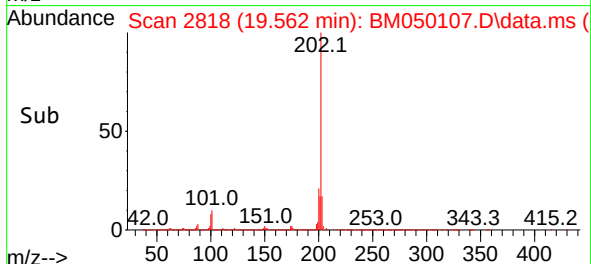
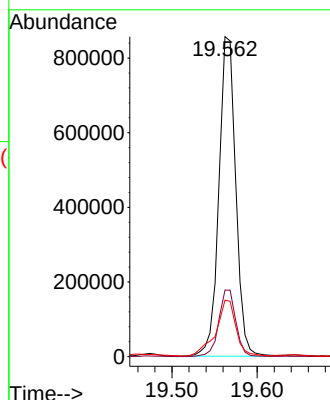
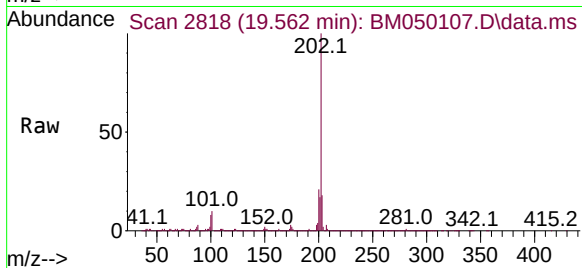
Tgt Ion:202 Resp: 1180303

Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 17.7 14.1 21.1



#79

Terphenyl-d14

Concen: 48.888 ng

RT: 19.768 min Scan# 2853

Delta R.T. -0.012 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

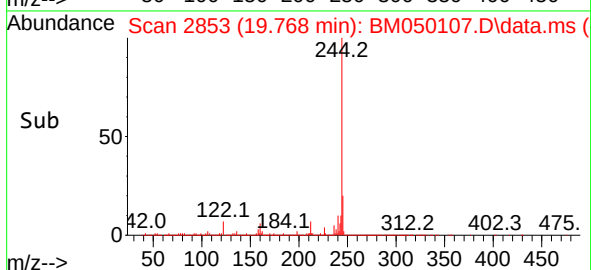
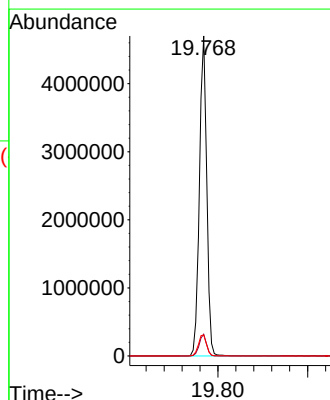
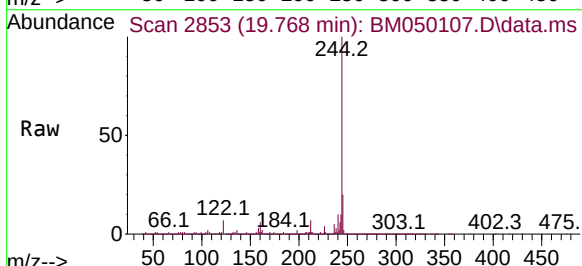
Tgt Ion:244 Resp: 5314095

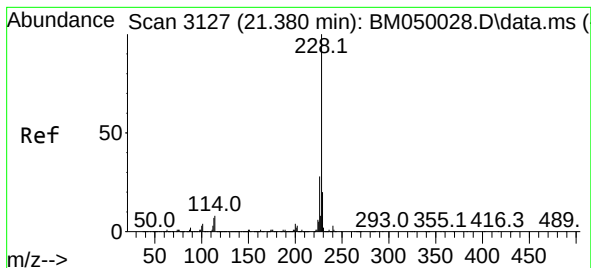
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 6.6 5.6 8.4





#81

Benzo(a)anthracene

Concen: 5.658 ng

RT: 21.362 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

Instrument :

BNA_M

ClientSampleId :

SS-3

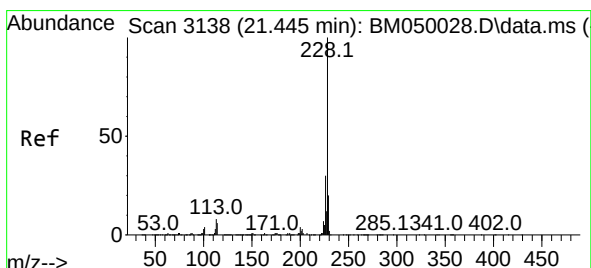
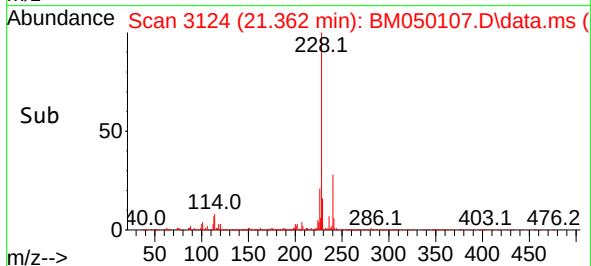
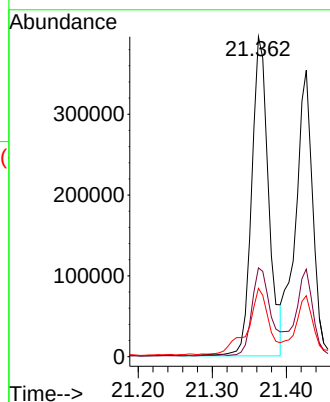
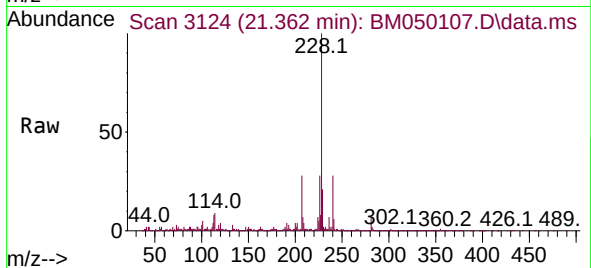
Tgt Ion:228 Resp: 626720

Ion Ratio Lower Upper

228 100

226 27.8 22.1 33.1

229 21.4 15.7 23.5



#83

Chrysene

Concen: 5.592 ng

RT: 21.427 min Scan# 3135

Delta R.T. -0.018 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

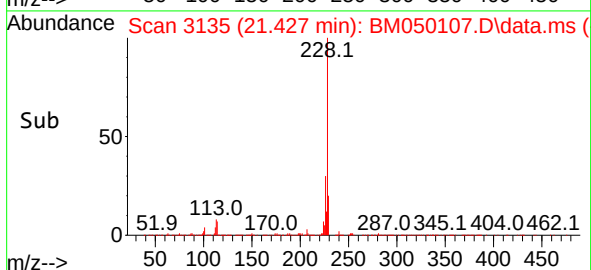
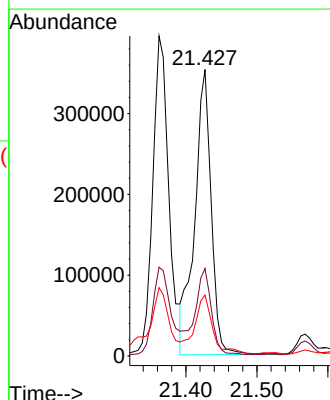
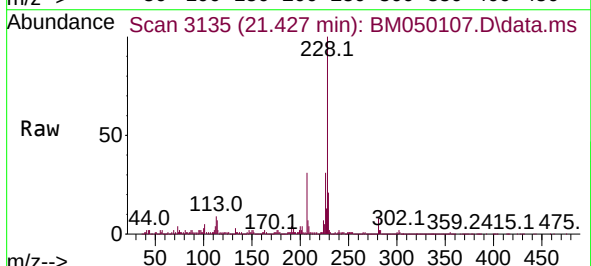
Tgt Ion:228 Resp: 573228

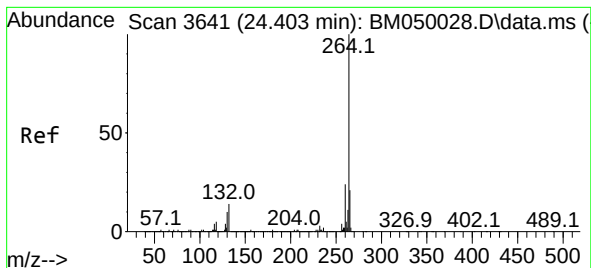
Ion Ratio Lower Upper

228 100

226 30.6 24.2 36.2

229 21.3 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.374 min Scan# 3

Delta R.T. -0.029 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

Instrument :

BNA_M

ClientSampleId :

SS-3

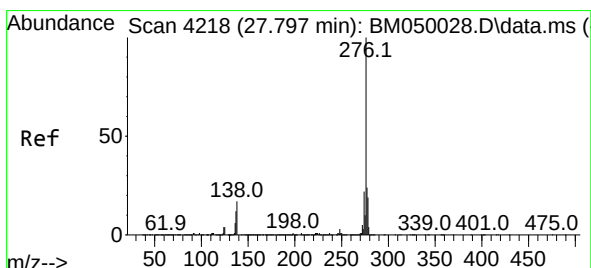
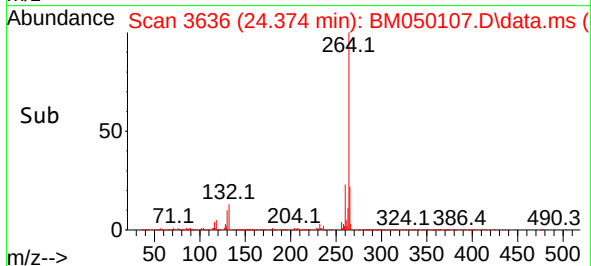
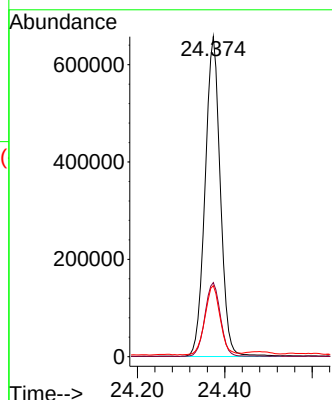
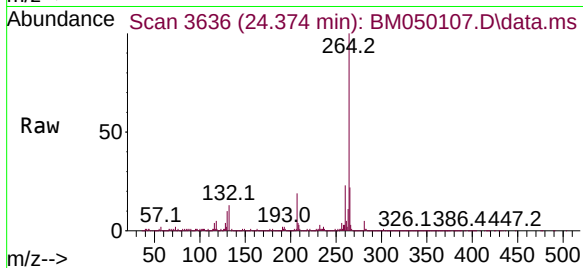
Tgt Ion:264 Resp: 1592324

Ion Ratio Lower Upper

264 100

260 23.2 18.8 28.2

265 22.2 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.593 ng

RT: 27.750 min Scan# 4210

Delta R.T. -0.047 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

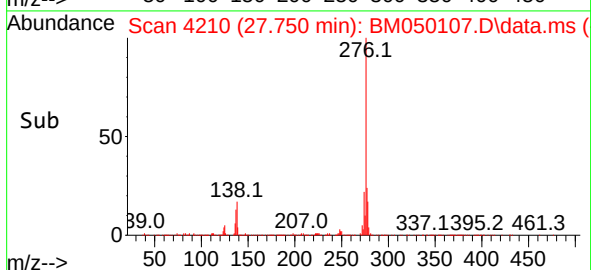
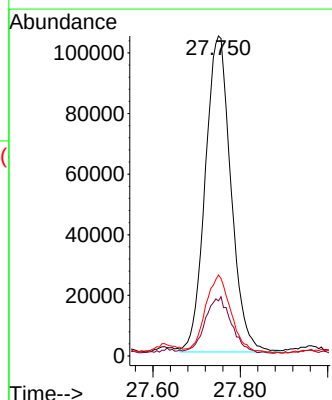
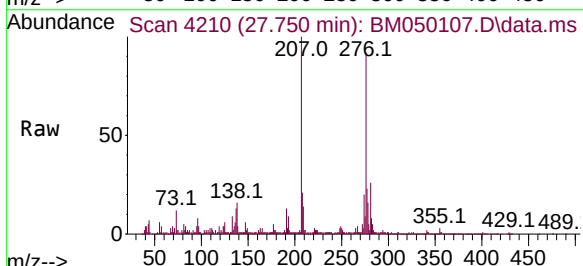
Tgt Ion:276 Resp: 426350

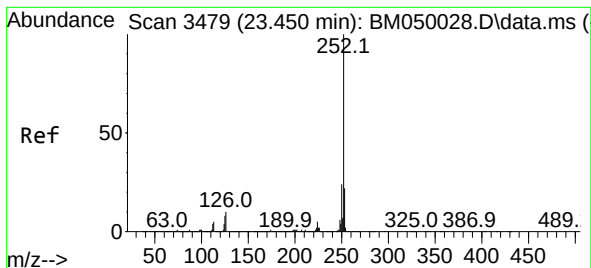
Ion Ratio Lower Upper

276 100

138 17.7 16.4 24.6

277 24.5 19.8 29.8





#88

Benzo(b)fluoranthene

Concen: 7.286 ng

RT: 23.433 min Scan# 3476

Delta R.T. -0.018 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

Instrument :

BNA_M

ClientSampleId :

SS-3

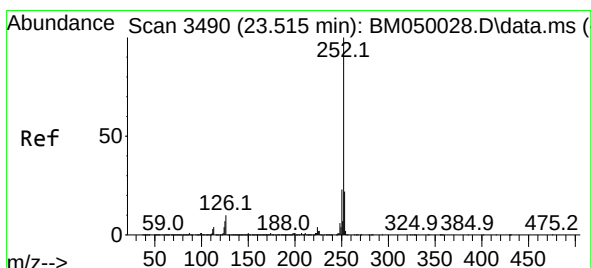
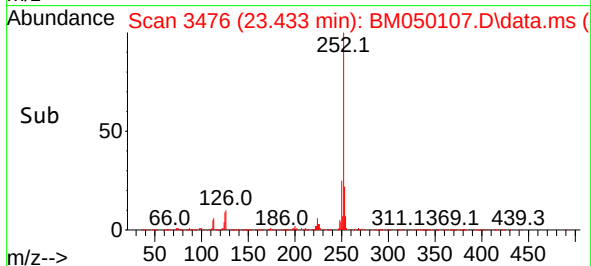
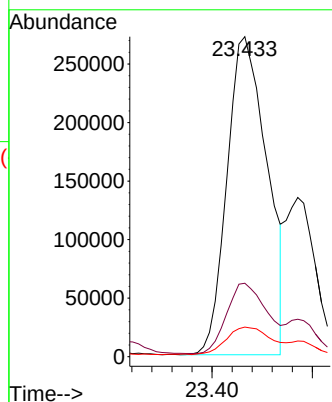
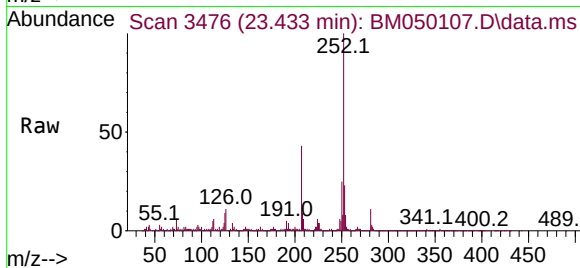
Tgt Ion:252 Resp: 754462

Ion Ratio Lower Upper

252 100

253 22.9 17.7 26.5

125 9.3 6.1 9.1#



#89

Benzo(k)fluoranthene

Concen: 7.203 ng

RT: 23.433 min Scan# 3476

Delta R.T. -0.082 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

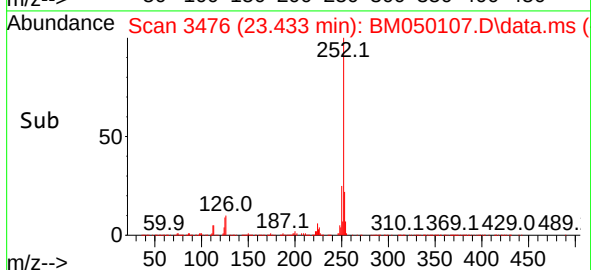
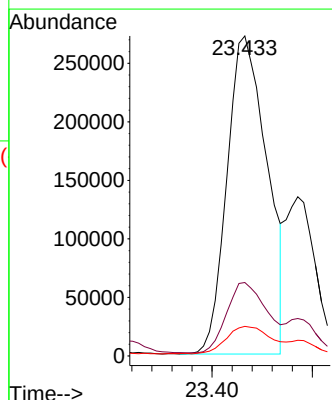
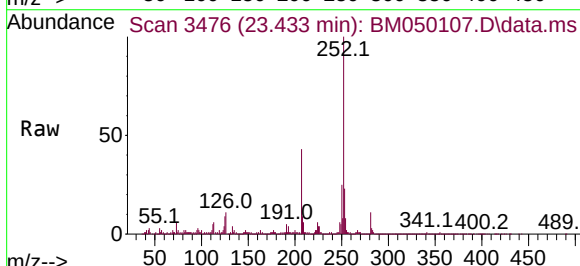
Tgt Ion:252 Resp: 754462

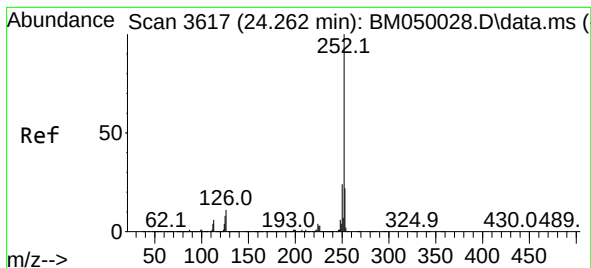
Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.2

125 9.3 5.8 8.8#





#90

Benzo(a)pyrene

Concen: 5.586 ng

RT: 24.233 min Scan# 3

Delta R.T. -0.029 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

Instrument :

BNA_M

ClientSampleId :

SS-3

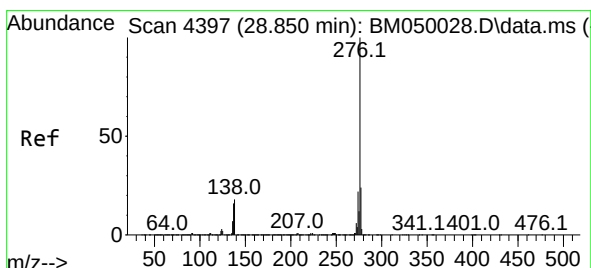
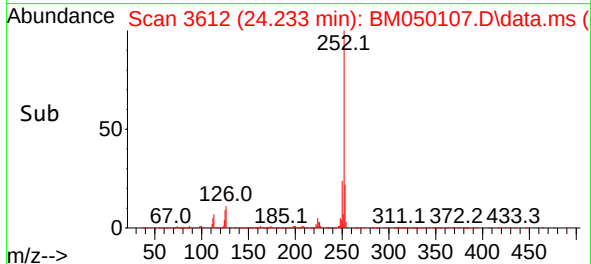
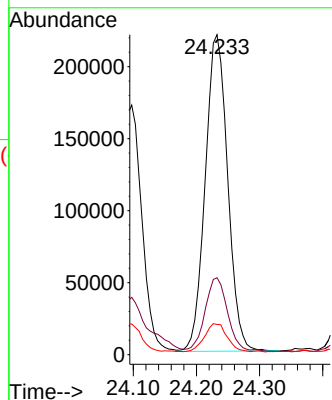
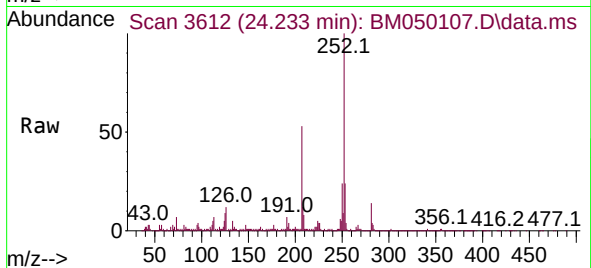
Tgt Ion:252 Resp: 541813

Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.0

125 9.4 6.6 9.8



#92

Benzo(g,h,i)perylene

Concen: 5.065 ng

RT: 28.803 min Scan# 4389

Delta R.T. -0.047 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

Tgt Ion:276 Resp: 468965

Ion Ratio Lower Upper

276 100

277 23.7 19.1 28.7

138 18.6 14.3 21.5

