

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050106.D
 Acq On : 05 May 2025 19:37
 Operator : RC/JU
 Sample : Q1914-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SS-5

Quant Time: May 06 05:19:38 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)

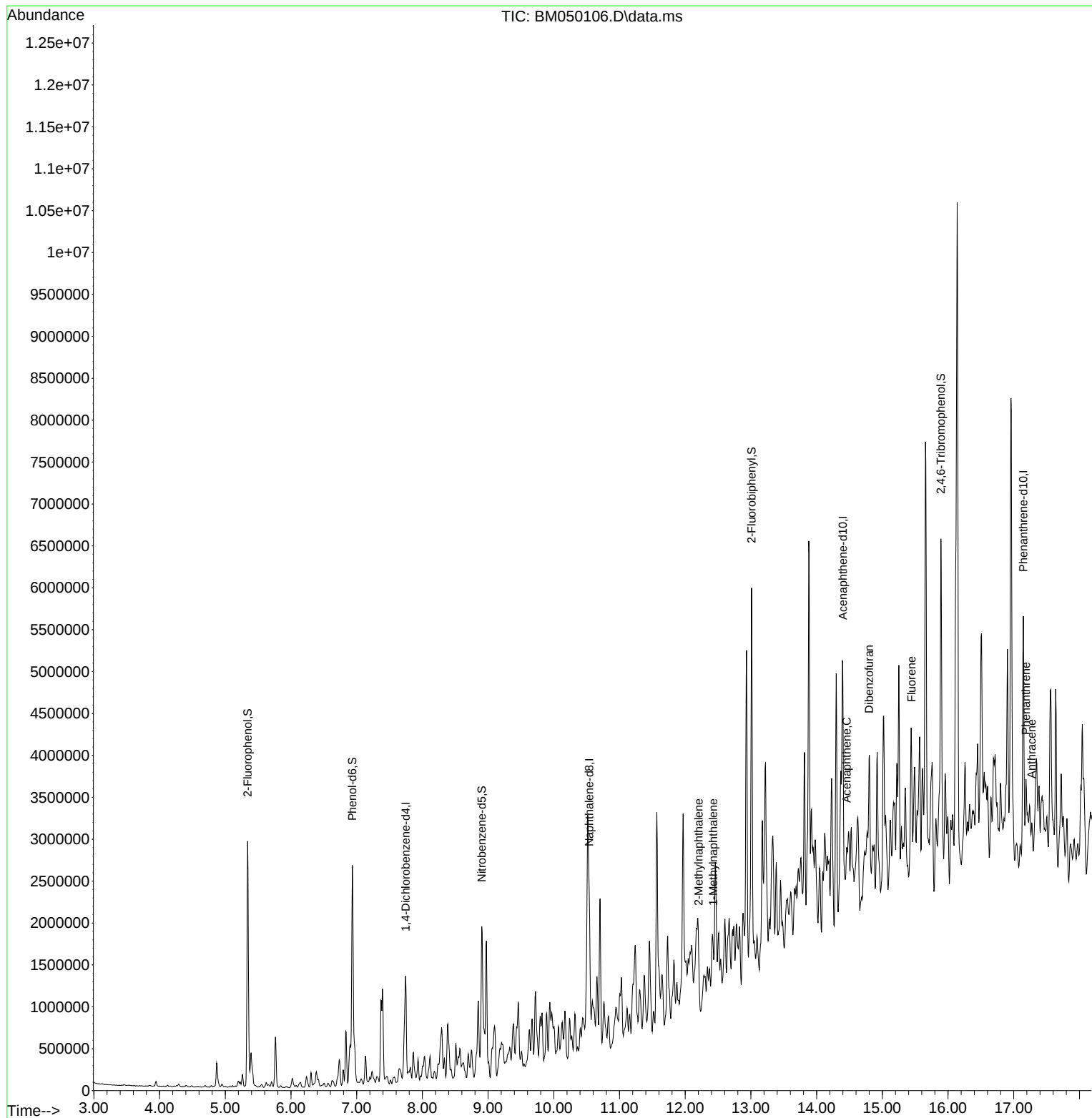
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	357595	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1220331	20.000	ng	#-0.02
39) Acenaphthene-d10	14.398	164	725121	20.000	ng	-0.01
64) Phenanthrene-d10	17.145	188	1422912	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	1469025	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1573716	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1384727	67.807	ng	-0.02
7) Phenol-d6	6.934	99	1764062	68.728	ng	-0.02
23) Nitrobenzene-d5	8.904	82	1031314	41.644	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	804999	75.080	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	2483148	40.511	ng	-0.02
79) Terphenyl-d14	19.768	244	3779793	38.074	ng	-0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.204	142	185313	4.472	ng	# 94
38) 1-Methylnaphthalene	12.427	142	127302	2.903	ng	# 94
52) Acenaphthene	14.457	154	124795	3.203	ng	93
55) Dibenzofuran	14.798	168	153650	2.370	ng	# 68
58) Fluorene	15.445	166	362788	6.837	ng	# 85
71) Phenanthrene	17.186	178	432164	5.385	ng	# 90
72) Anthracene	17.274	178	228676	2.816	ng	# 85
75) Fluoranthene	19.203	202	901783	9.571	ng	97
78) Pyrene	19.568	202	1013570	9.825	ng	99
81) Benzo(a)anthracene	21.368	228	307472	3.039	ng	97
83) Chrysene	21.427	228	296040	3.162	ng	97
88) Benzo(b)fluoranthene	23.433	252	409503	4.001	ng	# 96
90) Benzo(a)pyrene	24.232	252	294894	3.076	ng	# 96
92) Benzo(g,h,i)perylene	28.803	276	194268	2.123	ng	97

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

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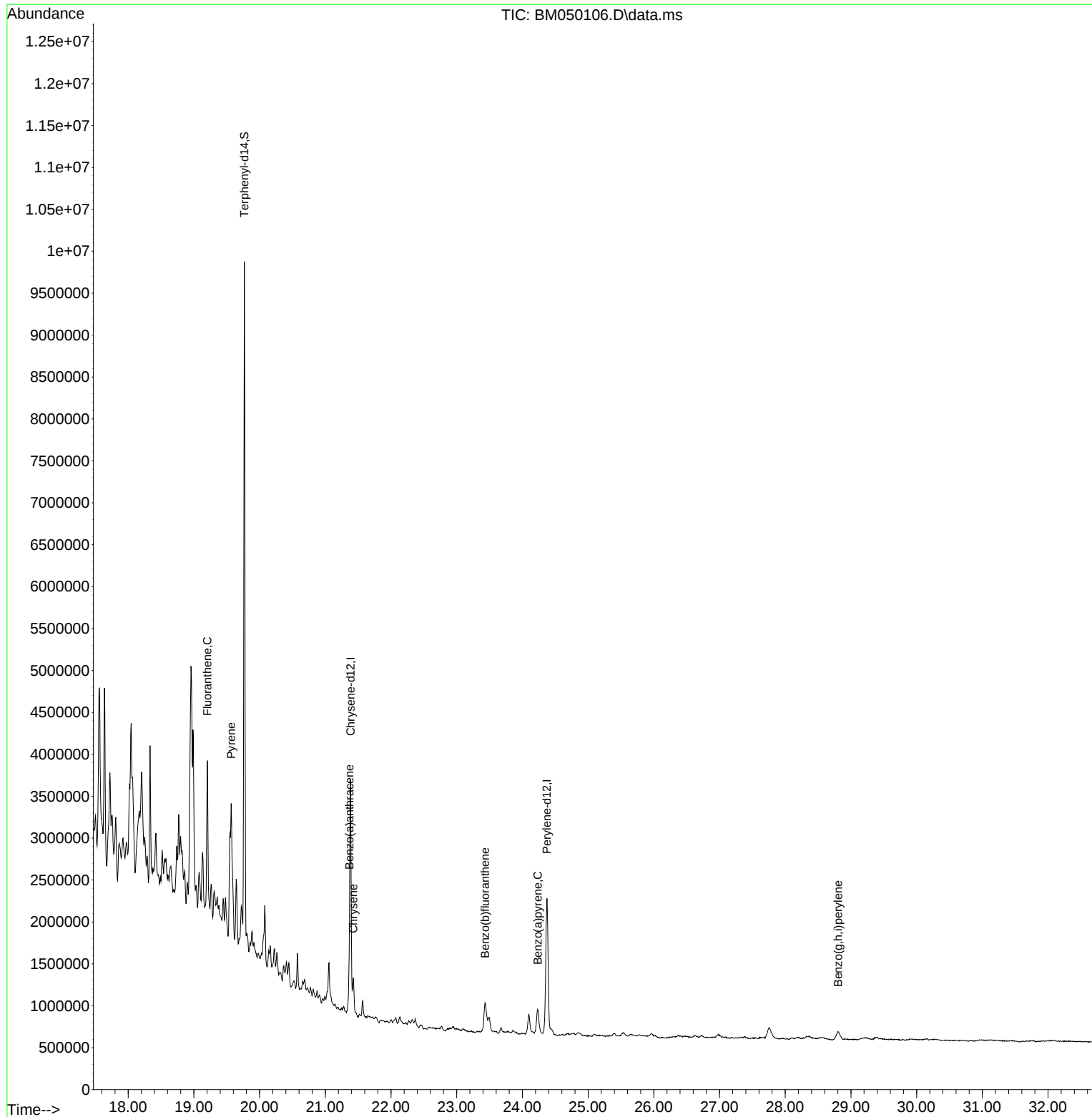
Quant Time: May 06 05:19:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Quant Time: May 06 05:19:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
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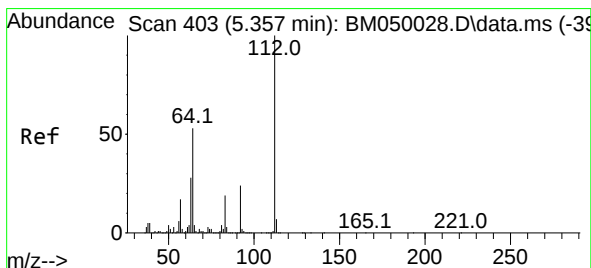
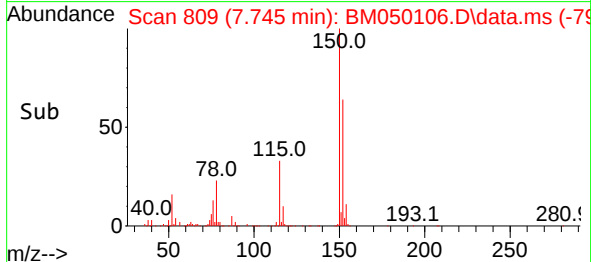
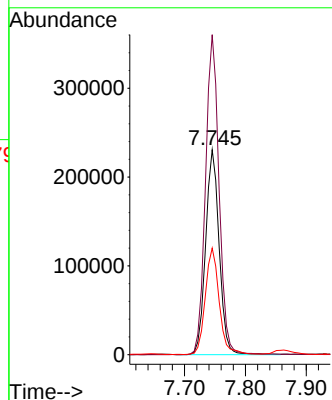
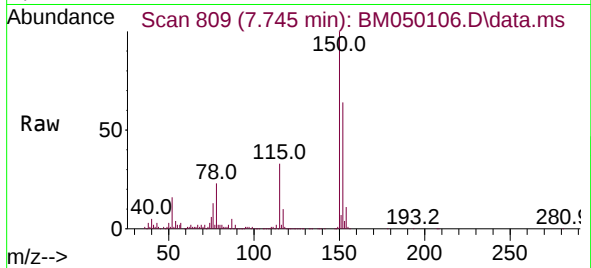




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.024 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

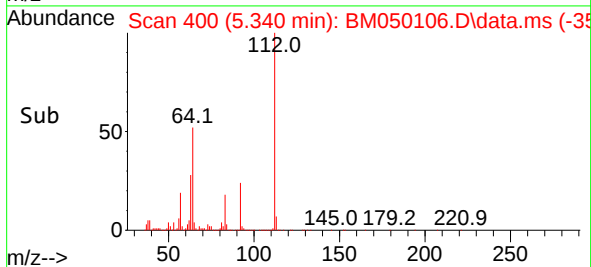
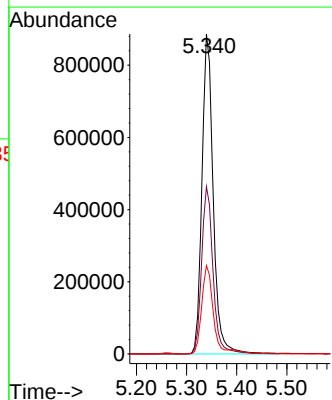
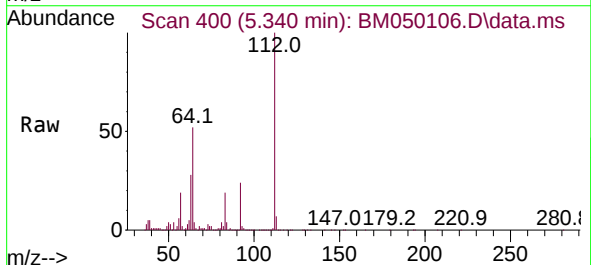
Instrument :
BNA_M
ClientSampleId :
SS-5

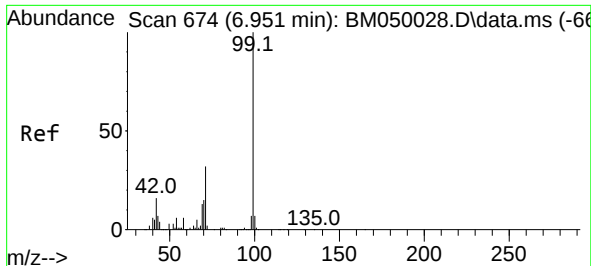
Tgt Ion:152 Resp: 357595
Ion Ratio Lower Upper
152 100
150 156.2 124.1 186.1
115 52.0 41.2 61.8



#5
2-Fluorophenol
Concen: 67.807 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

Tgt Ion:112 Resp: 1384727
Ion Ratio Lower Upper
112 100
64 52.3 42.6 64.0
63 27.6 22.2 33.4

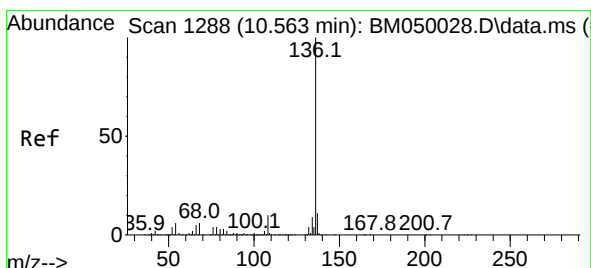
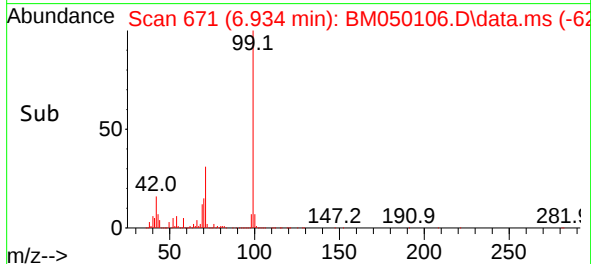
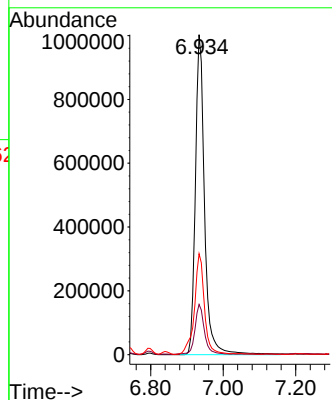
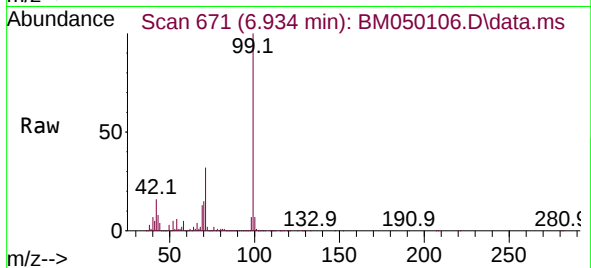




#7
Phenol-d6
Concen: 68.728 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

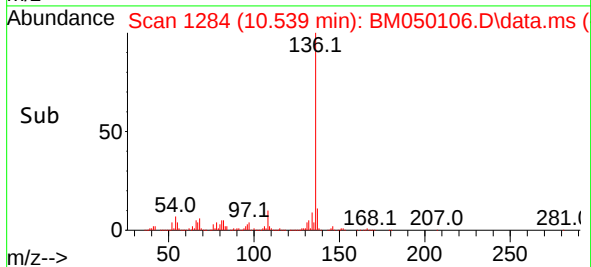
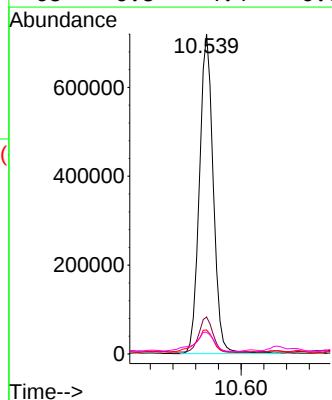
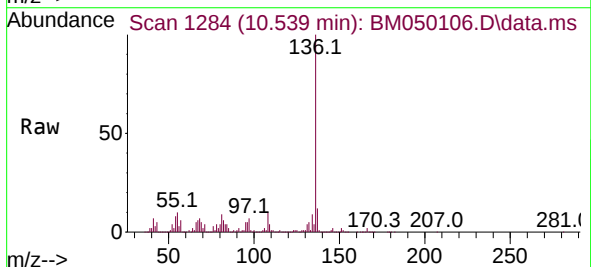
Instrument :
BNA_M
ClientSampleId :
SS-5

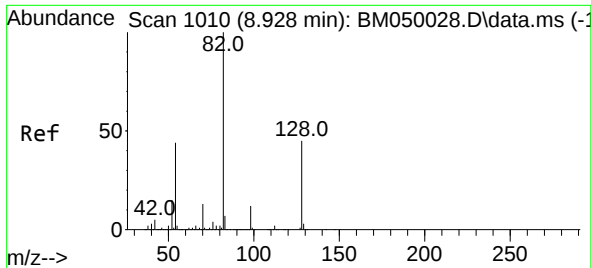
Tgt Ion: 99 Resp: 1764062
Ion Ratio Lower Upper
99 100
42 15.7 13.0 19.4
71 31.5 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

Tgt Ion: 136 Resp: 1220331
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 7.5 5.1 7.7
68 6.8 4.4 6.6#

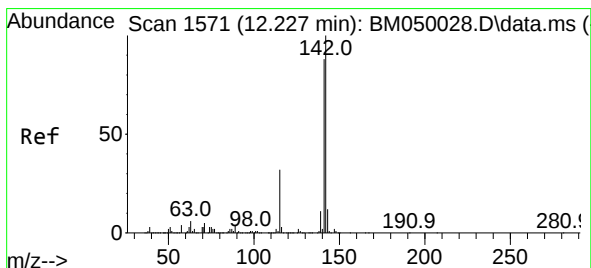
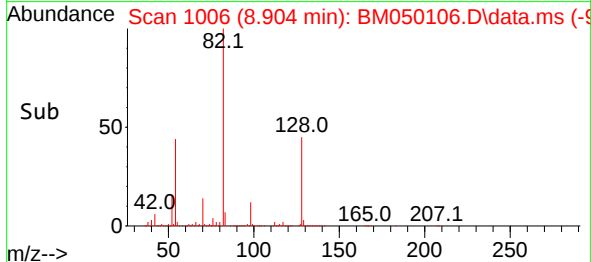
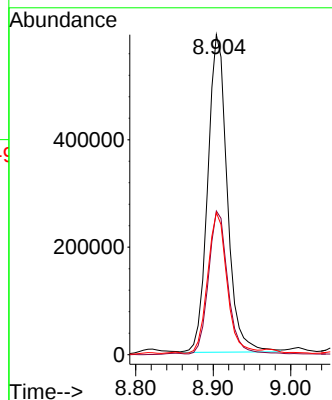
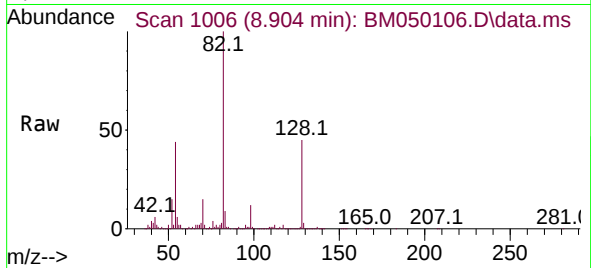




#23
Nitrobenzene-d5
Concen: 41.644 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.024 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

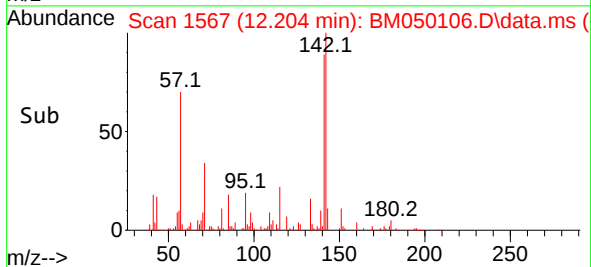
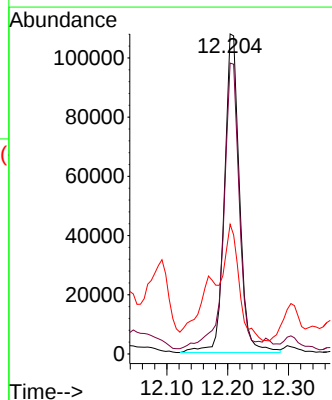
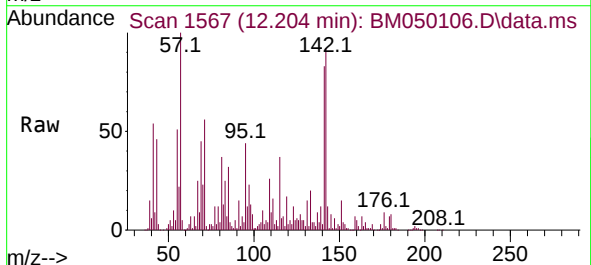
Instrument :
BNA_M
ClientSampleId :
SS-5

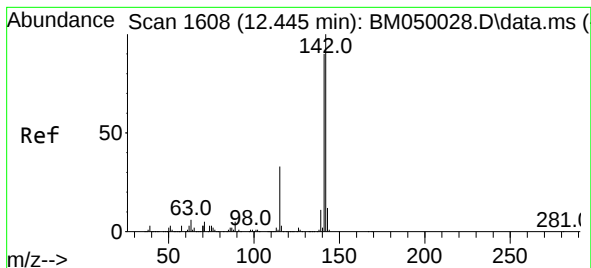
Tgt Ion: 82 Resp: 1031314
Ion Ratio Lower Upper
82 100
128 44.9 35.7 53.5
54 44.4 35.4 53.2



#37
2-Methylnaphthalene
Concen: 4.472 ng
RT: 12.204 min Scan# 1567
Delta R.T. -0.024 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

Tgt Ion:142 Resp: 185313
Ion Ratio Lower Upper
142 100
141 90.9 70.4 105.6
115 40.5 25.4 38.2#





#38

1-Methylnaphthalene

Concen: 2.903 ng

RT: 12.427 min Scan# 1

Delta R.T. -0.018 min

Lab File: BM050106.D

Acq: 05 May 2025 19:37

Instrument :

BNA_M

ClientSampleId :

SS-5

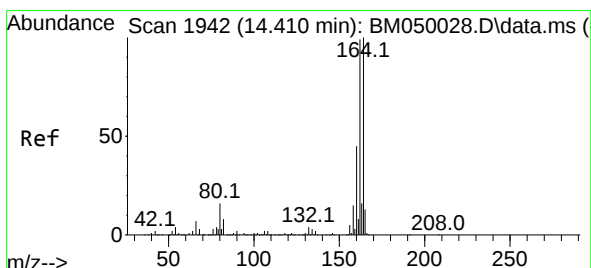
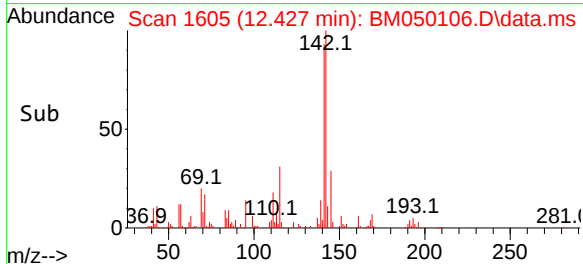
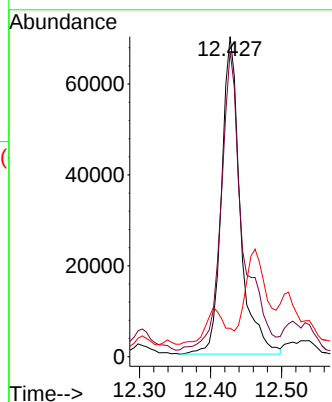
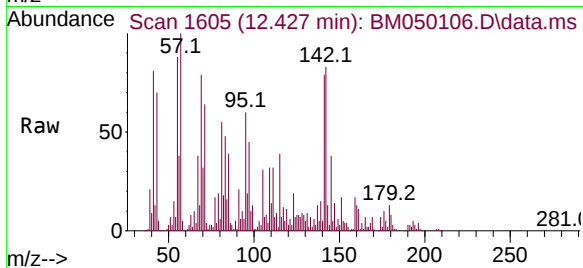
Tgt Ion:142 Resp: 127302

Ion Ratio Lower Upper

142 100

141 95.5 72.1 108.1

116 8.9 2.7 4.1#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.398 min Scan# 1940

Delta R.T. -0.012 min

Lab File: BM050106.D

Acq: 05 May 2025 19:37

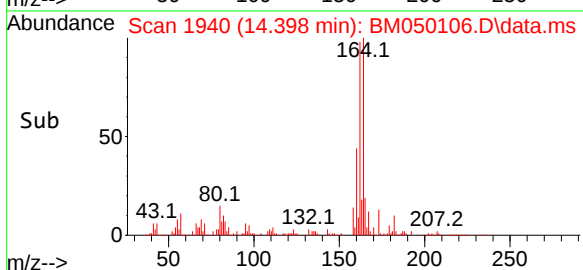
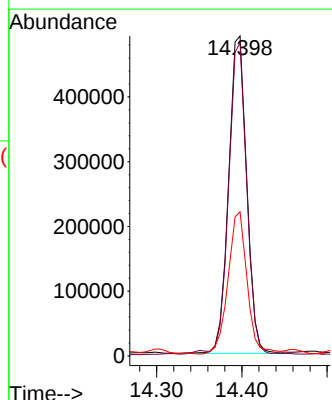
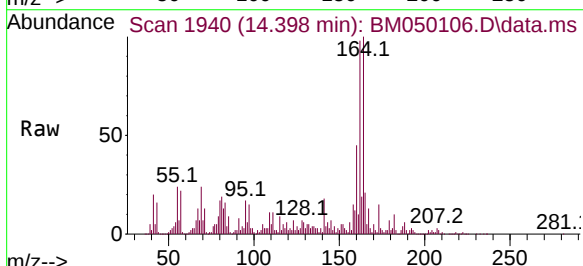
Tgt Ion:164 Resp: 725121

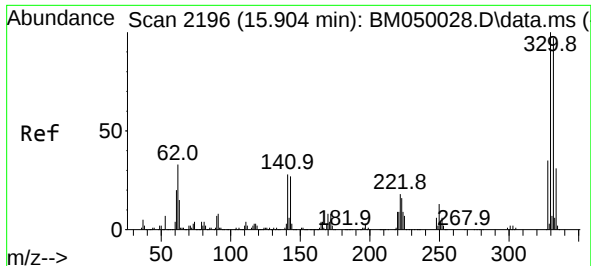
Ion Ratio Lower Upper

164 100

162 97.9 79.4 119.0

160 45.0 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 75.080 ng

RT: 15.892 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BM050106.D

Acq: 05 May 2025 19:37

Instrument :

BNA_M

ClientSampleId :

SS-5

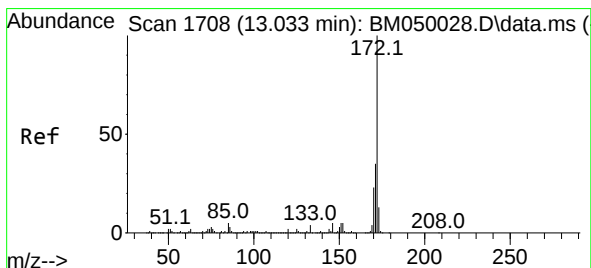
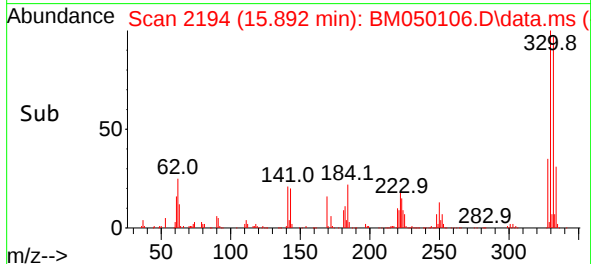
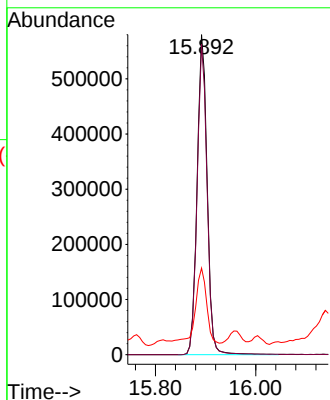
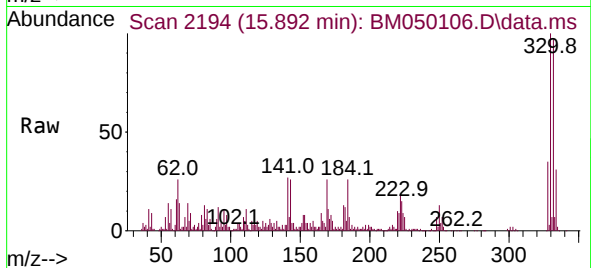
Tgt Ion:330 Resp: 804999

Ion Ratio Lower Upper

330 100

332 96.2 77.3 115.9

141 25.7 22.5 33.7



#45

2-Fluorobiphenyl

Concen: 40.511 ng

RT: 13.010 min Scan# 1704

Delta R.T. -0.024 min

Lab File: BM050106.D

Acq: 05 May 2025 19:37

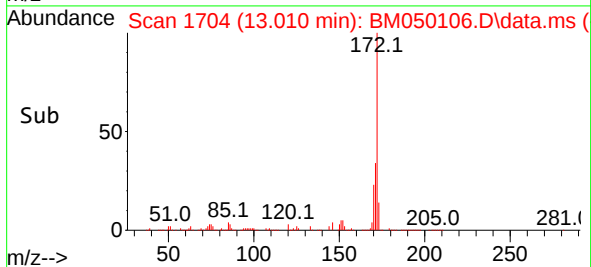
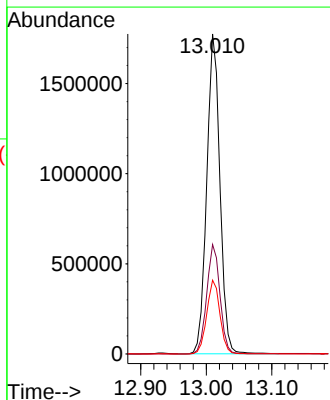
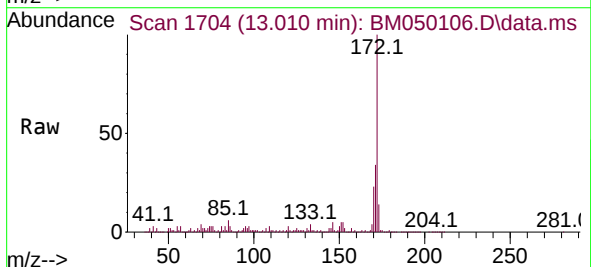
Tgt Ion:172 Resp: 2483148

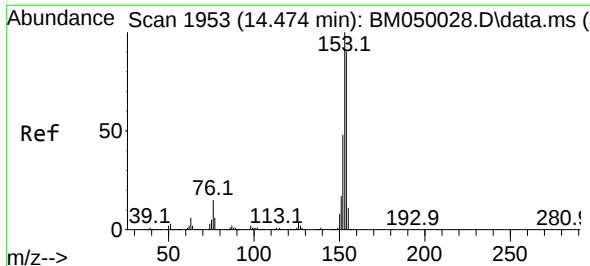
Ion Ratio Lower Upper

172 100

171 34.2 27.8 41.6

170 23.0 18.6 28.0

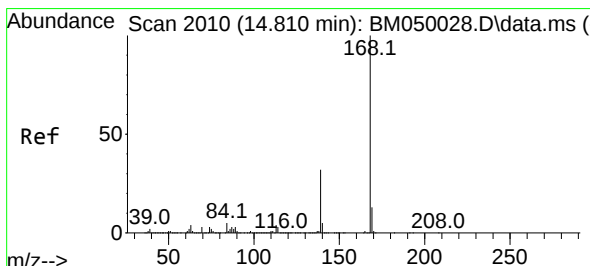
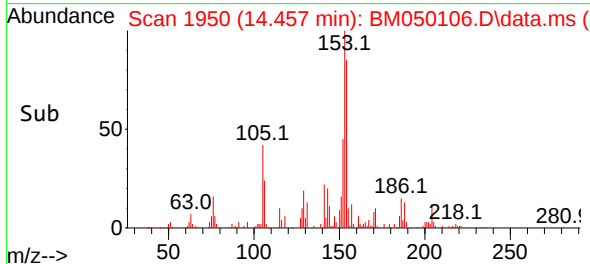
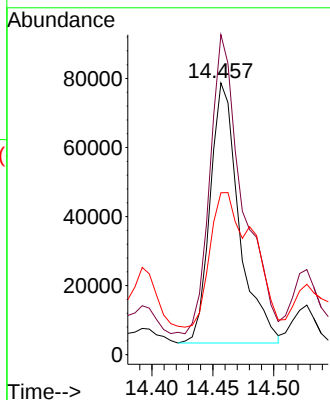
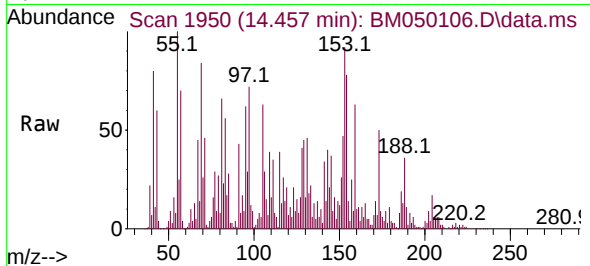




#52
Acenaphthene
Concen: 3.203 ng
RT: 14.457 min Scan# 1953
Delta R.T. -0.018 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

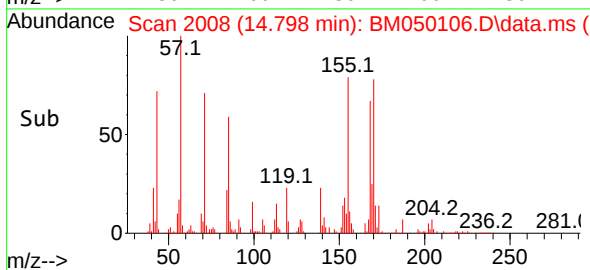
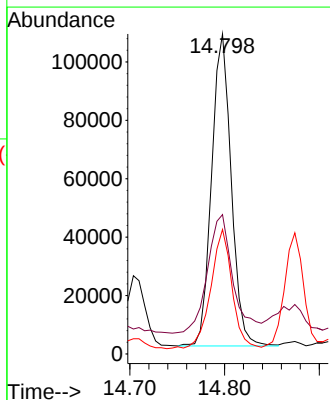
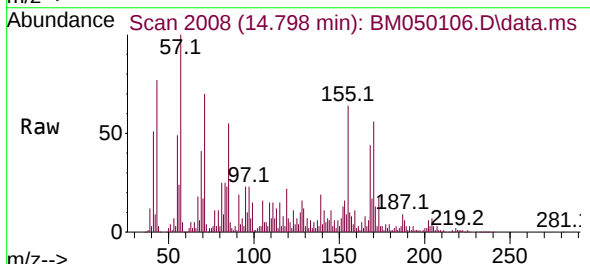
Instrument :
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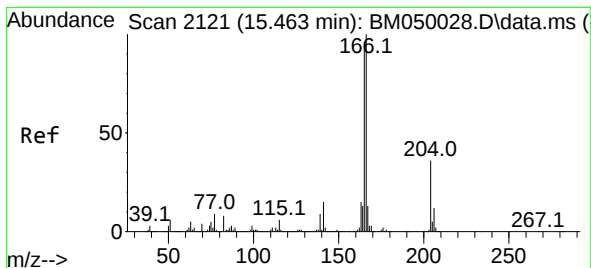
Tgt Ion:154 Resp: 124795
Ion Ratio Lower Upper
154 100
153 117.8 89.0 133.4
152 59.6 43.0 64.6



#55
Dibenzofuran
Concen: 2.370 ng
RT: 14.798 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

Tgt Ion:168 Resp: 153650
Ion Ratio Lower Upper
168 100
139 43.6 26.1 39.1#
169 38.9 10.8 16.2#





#58

Fluorene

Concen: 6.837 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM050106.D

Acq: 05 May 2025 19:37

Instrument :

BNA_M

ClientSampleId :

SS-5

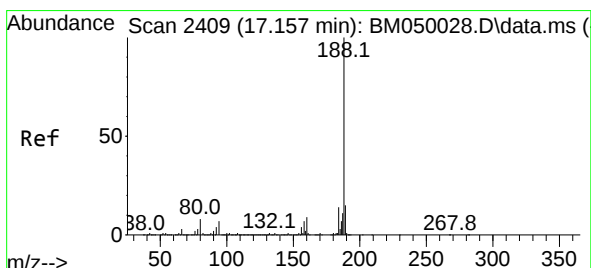
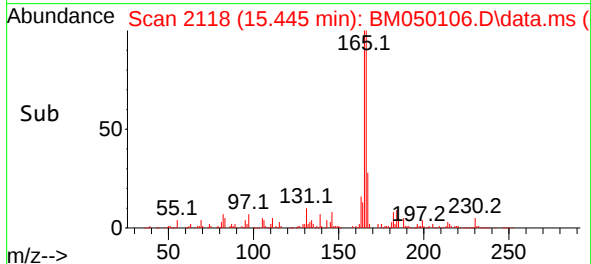
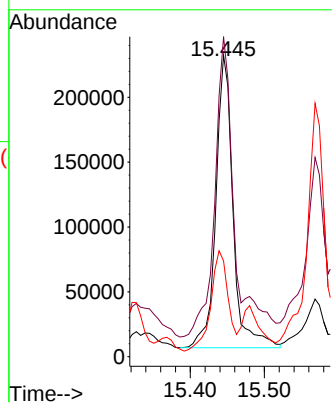
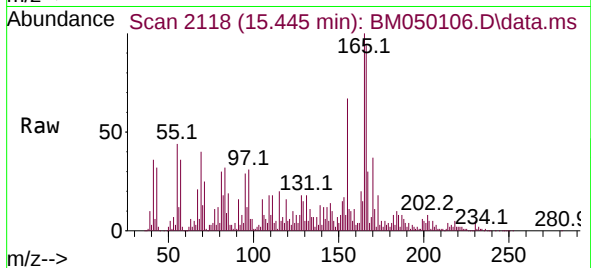
Tgt Ion:166 Resp: 362788

Ion Ratio Lower Upper

166 100

165 106.2 76.6 115.0

167 31.7 10.6 16.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.145 min Scan# 2407

Delta R.T. -0.012 min

Lab File: BM050106.D

Acq: 05 May 2025 19:37

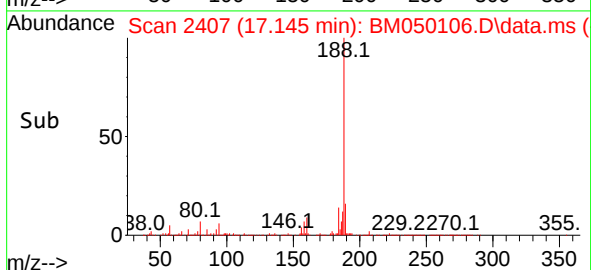
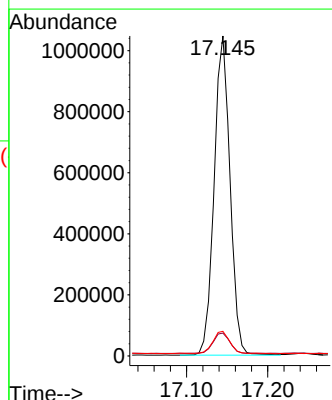
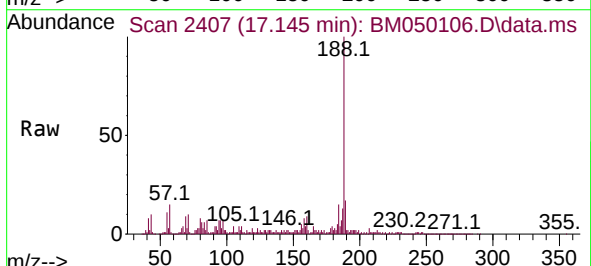
Tgt Ion:188 Resp: 1422912

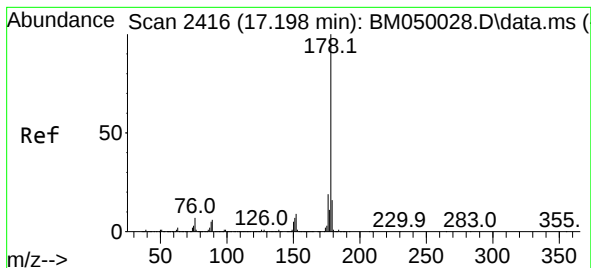
Ion Ratio Lower Upper

188 100

94 7.2 5.7 8.5

80 7.7 6.2 9.4





#71

Phenanthrene

Concen: 5.385 ng

RT: 17.186 min Scan# 2416

Delta R.T. -0.012 min

Lab File: BM050106.D

Acq: 05 May 2025 19:37

Instrument :

BNA_M

ClientSampleId :

SS-5

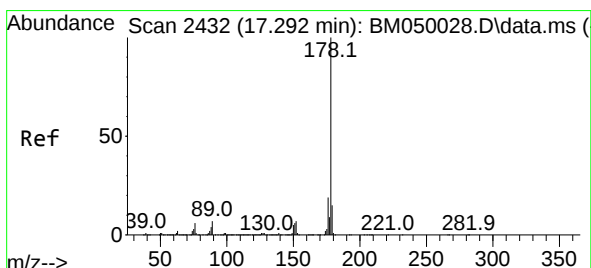
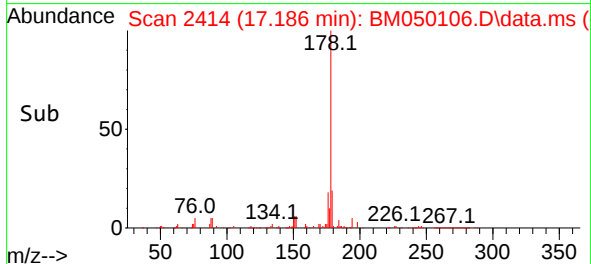
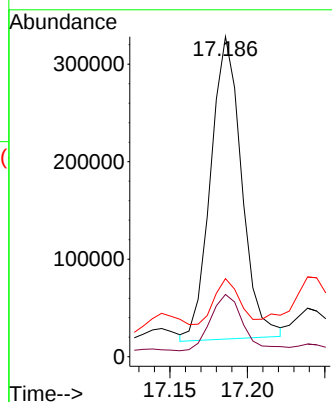
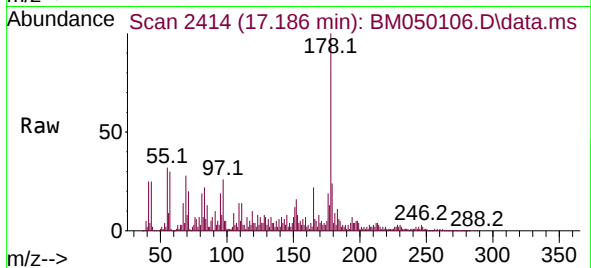
Tgt Ion:178 Resp: 432164

Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

179 24.4 12.4 18.6#



#72

Anthracene

Concen: 2.816 ng

RT: 17.274 min Scan# 2429

Delta R.T. -0.018 min

Lab File: BM050106.D

Acq: 05 May 2025 19:37

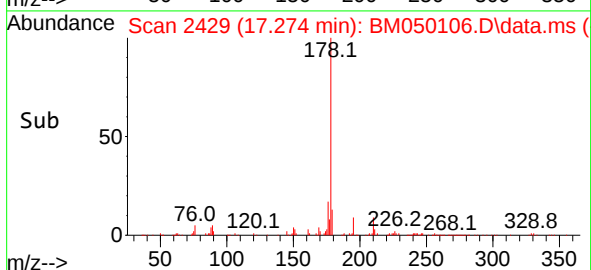
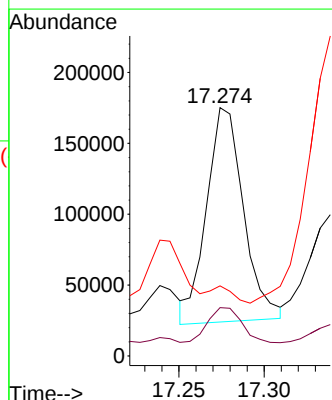
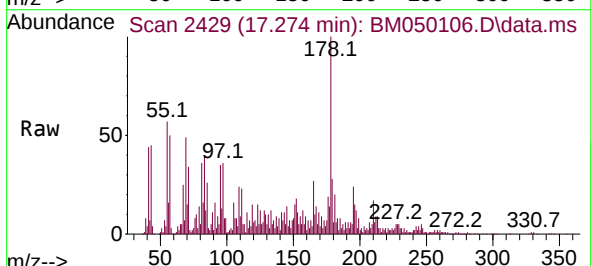
Tgt Ion:178 Resp: 228676

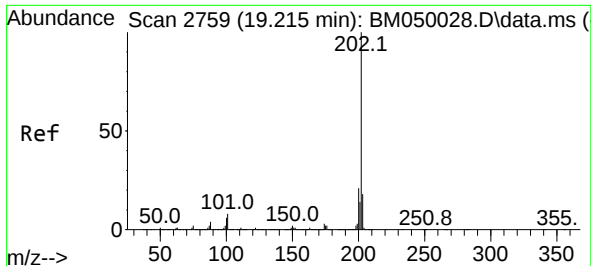
Ion Ratio Lower Upper

178 100

176 19.5 15.0 22.4

179 28.2 12.2 18.4#

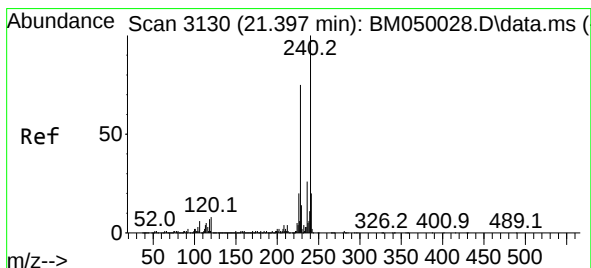
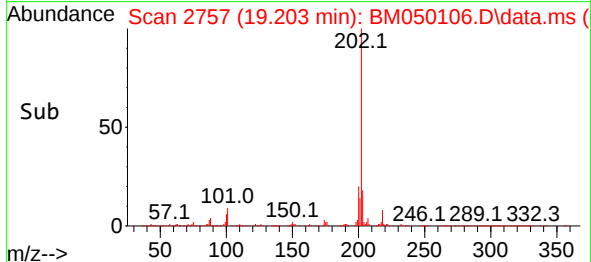
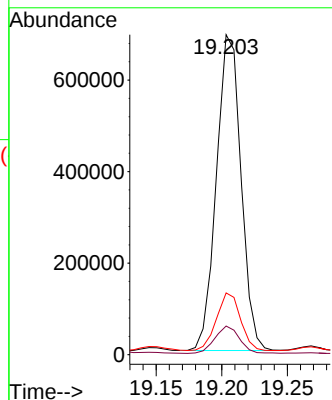
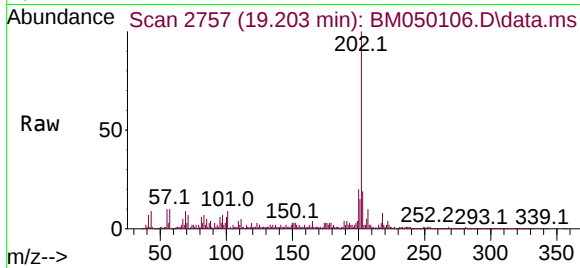




#75
Fluoranthene
Concen: 9.571 ng
RT: 19.203 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

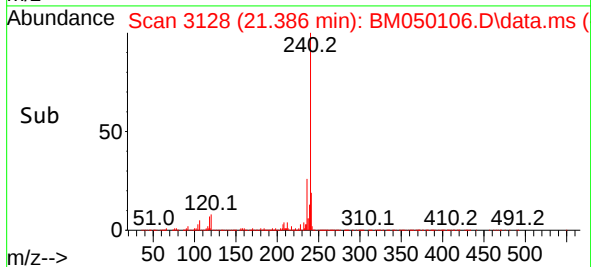
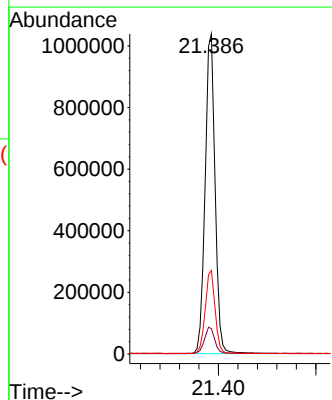
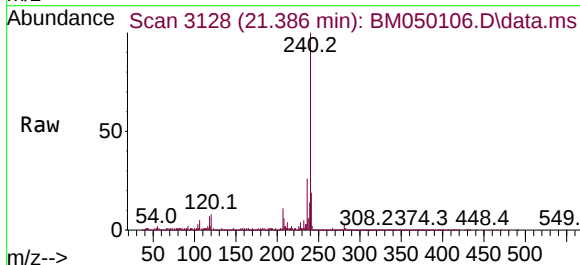
Instrument :
BNA_M
ClientSampleId :
SS-5

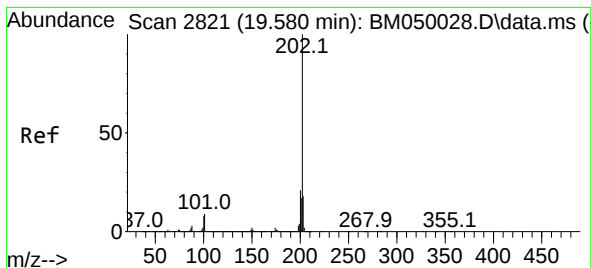
Tgt Ion:202 Resp: 901783
Ion Ratio Lower Upper
202 100
101 8.9 0.0 28.0
203 19.3 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.011 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

Tgt Ion:240 Resp: 1469025
Ion Ratio Lower Upper
240 100
120 7.9 6.5 9.7
236 26.1 20.9 31.3





#78

Pyrene

Concen: 9.825 ng

RT: 19.568 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050106.D

Acq: 05 May 2025 19:37

Instrument :

BNA_M

ClientSampleId :

SS-5

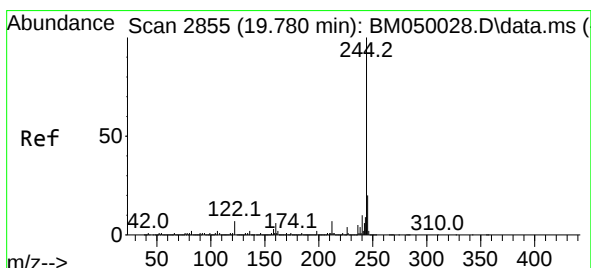
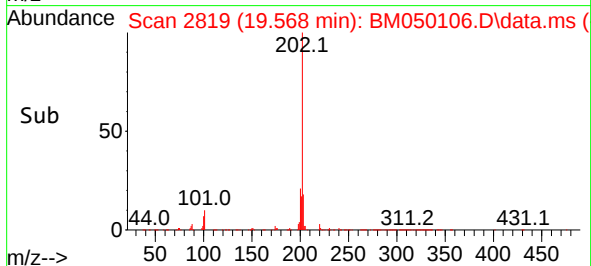
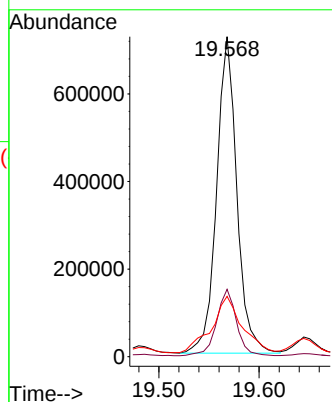
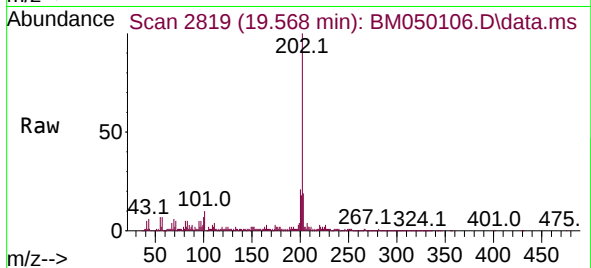
Tgt Ion:202 Resp: 1013570

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 18.9 14.1 21.1



#79

Terphenyl-d14

Concen: 38.074 ng

RT: 19.768 min Scan# 2853

Delta R.T. -0.012 min

Lab File: BM050106.D

Acq: 05 May 2025 19:37

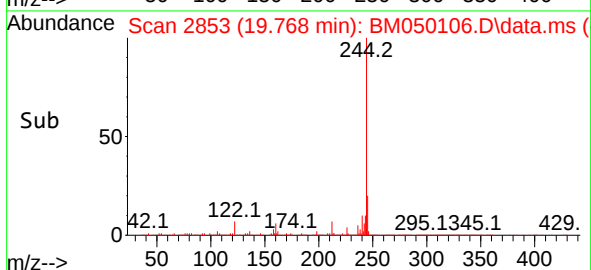
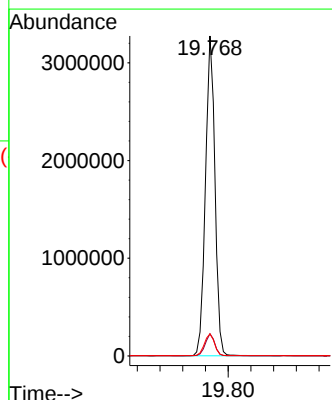
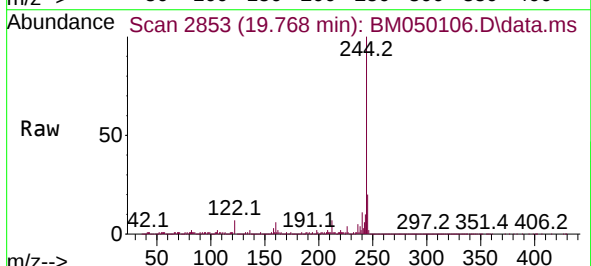
Tgt Ion:244 Resp: 3779793

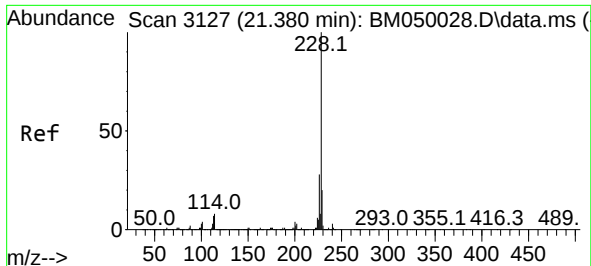
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 6.9 5.6 8.4

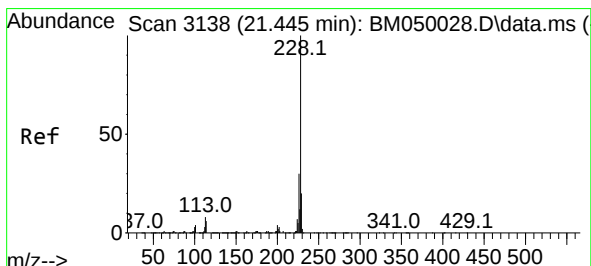
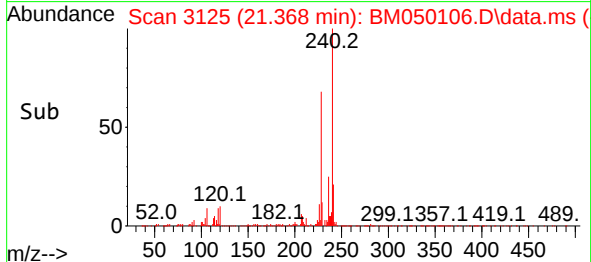
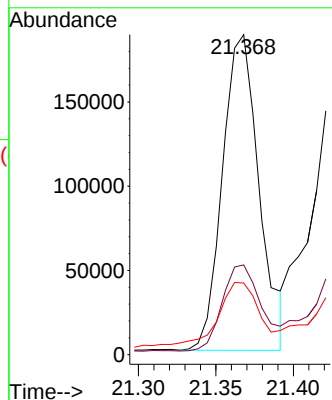
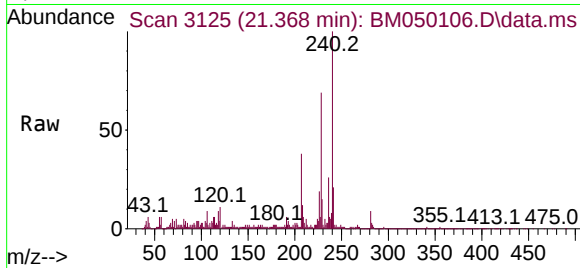




#81
Benzo(a)anthracene
Concen: 3.039 ng
RT: 21.368 min Scan# 3125
Delta R.T. -0.012 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

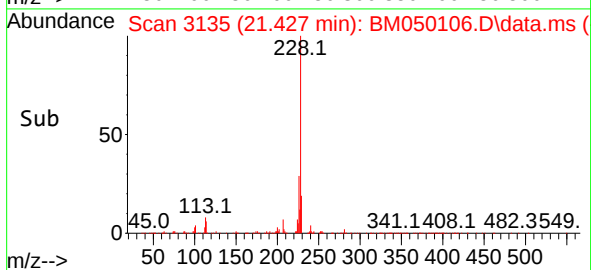
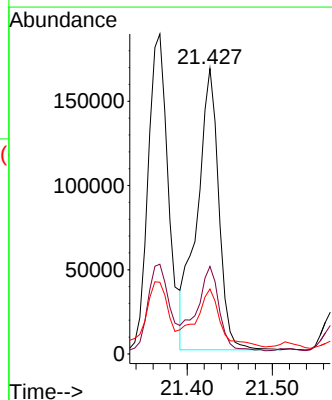
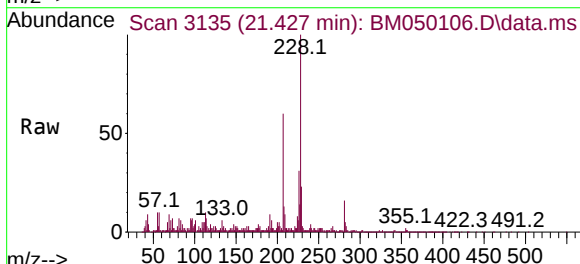
Instrument :
BNA_M
ClientSampleId :
SS-5

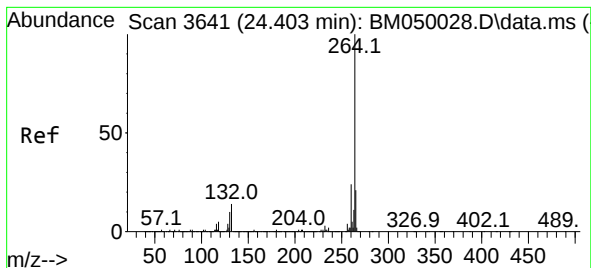
Tgt Ion:228 Resp: 307472
Ion Ratio Lower Upper
228 100
226 28.0 22.1 33.1
229 22.4 15.7 23.5



#83
Chrysene
Concen: 3.162 ng
RT: 21.427 min Scan# 3135
Delta R.T. -0.018 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

Tgt Ion:228 Resp: 296040
Ion Ratio Lower Upper
228 100
226 30.7 24.2 36.2
229 22.8 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.374 min Scan# 3

Delta R.T. -0.030 min

Lab File: BM050106.D

Acq: 05 May 2025 19:37

Instrument :

BNA_M

ClientSampleId :

SS-5

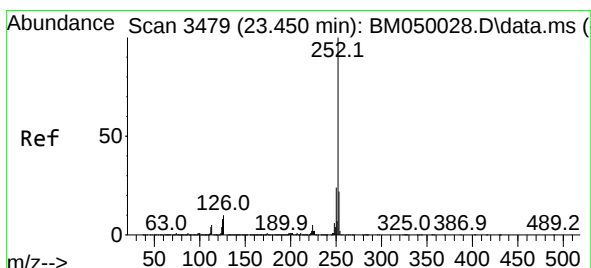
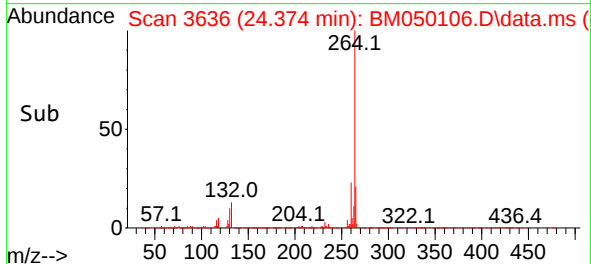
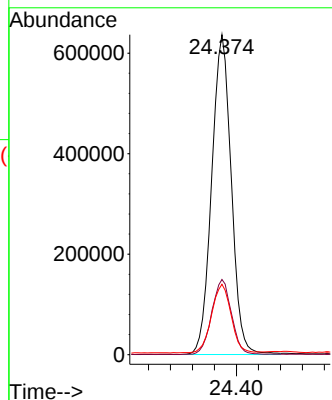
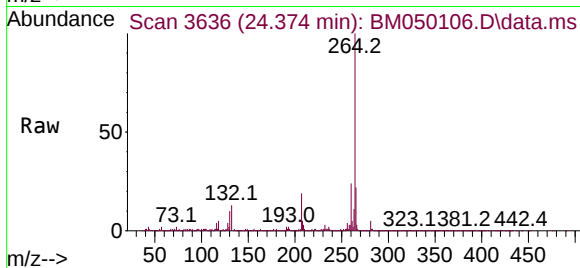
Tgt Ion:264 Resp: 1573716

Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

265 22.0 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 4.001 ng

RT: 23.433 min Scan# 3476

Delta R.T. -0.018 min

Lab File: BM050106.D

Acq: 05 May 2025 19:37

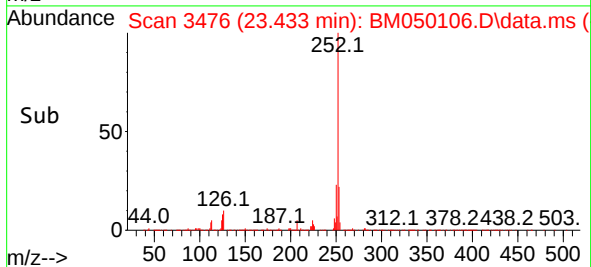
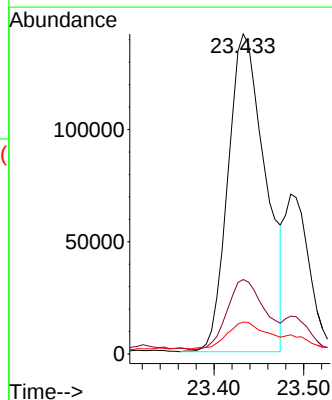
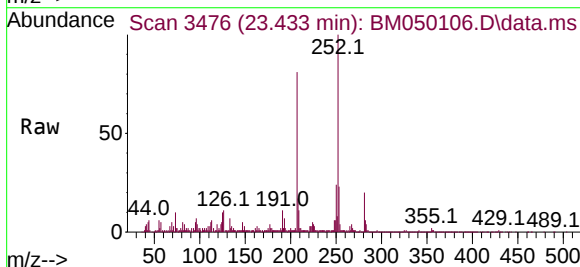
Tgt Ion:252 Resp: 409503

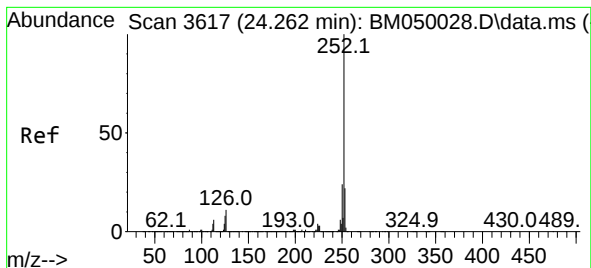
Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

125 10.0 6.1 9.1#





#90

Benzo(a)pyrene

Concen: 3.076 ng

RT: 24.232 min Scan# 3

Delta R.T. -0.030 min

Lab File: BM050106.D

Acq: 05 May 2025 19:37

Instrument :

BNA_M

ClientSampleId :

SS-5

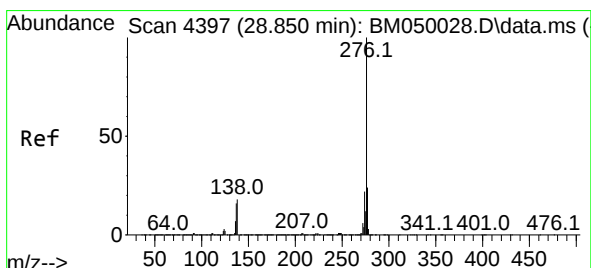
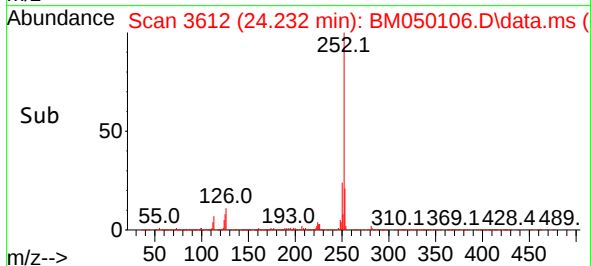
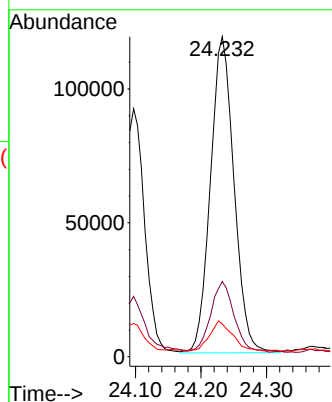
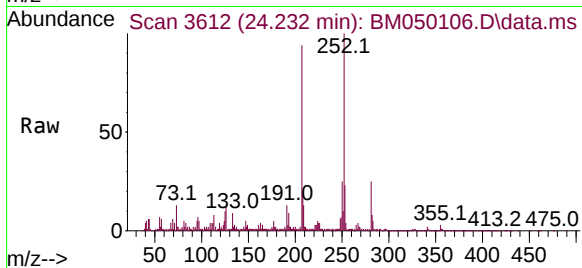
Tgt Ion:252 Resp: 294894

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

125 10.2 6.6 9.8#



#92

Benzo(g,h,i)perylene

Concen: 2.123 ng

RT: 28.803 min Scan# 4389

Delta R.T. -0.047 min

Lab File: BM050106.D

Acq: 05 May 2025 19:37

Tgt Ion:276 Resp: 194268

Ion Ratio Lower Upper

276 100

277 25.4 19.1 28.7

138 19.0 14.3 21.5

