

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050098.D
 Acq On : 05 May 2025 13:40
 Operator : RC/JU
 Sample : Q1907-01DL 25X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CO-8R-WCDL

Quant Time: May 05 14:15:28 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)

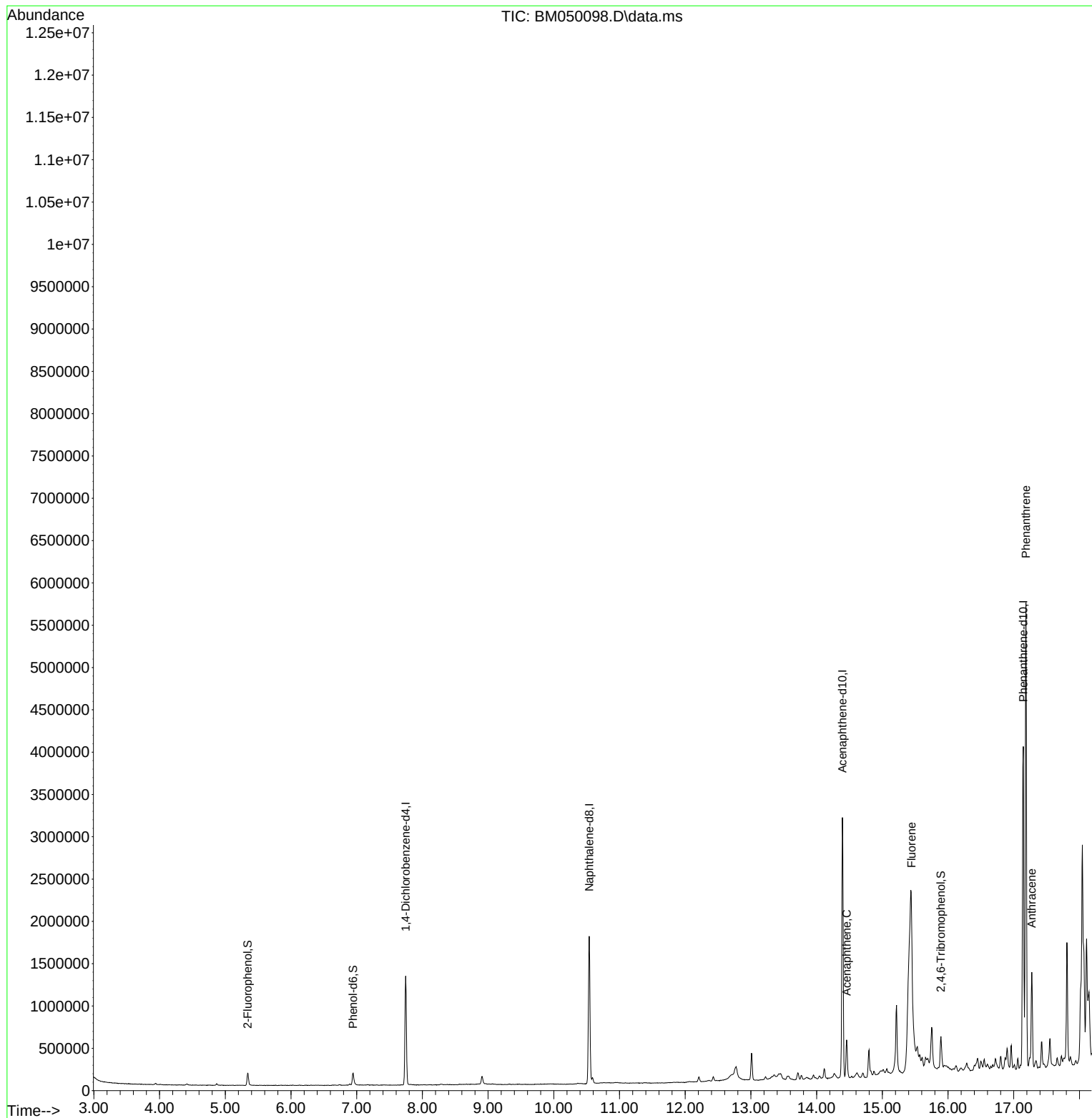
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	373100	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1493906	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	1094766	20.000	ng	-0.02
64) Phenanthrene-d10	17.145	188	2314689	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	2008283	20.000	ng	-0.01
86) Perylene-d12	24.380	264	1568873	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	75333	3.536	ng	-0.02
7) Phenol-d6	6.945	99	102248	3.818	ng	0.00
23) Nitrobenzene-d5	8.904	82	59788	1.972	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	54481	3.366	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	173403	1.874	ng	-0.02
79) Terphenyl-d14	19.768	244	257693	1.899	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	14.457	154	159950	2.719	ng	99
58) Fluorene	15.445	166	246811	3.081	ng	99
71) Phenanthrene	17.186	178	3350459	25.664	ng	100
72) Anthracene	17.274	178	739955	5.601	ng	99
75) Fluoranthene	19.203	202	3935448	25.676	ng	99
78) Pyrene	19.568	202	3614643	25.631	ng	100
81) Benzo(a)anthracene	21.368	228	1410304	10.198	ng	99
83) Chrysene	21.427	228	1303463	10.184	ng	98
87) Indeno(1,2,3-cd)pyrene	27.756	276	524922	4.490	ng	98
88) Benzo(b)fluoranthene	23.433	252	1202702	11.788	ng	98
89) Benzo(k)fluoranthene	23.491	252	422321m	4.092	ng	
90) Benzo(a)pyrene	24.238	252	902585	9.445	ng	97
92) Benzo(g,h,i)perylene	28.809	276	519885	5.699	ng	99

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

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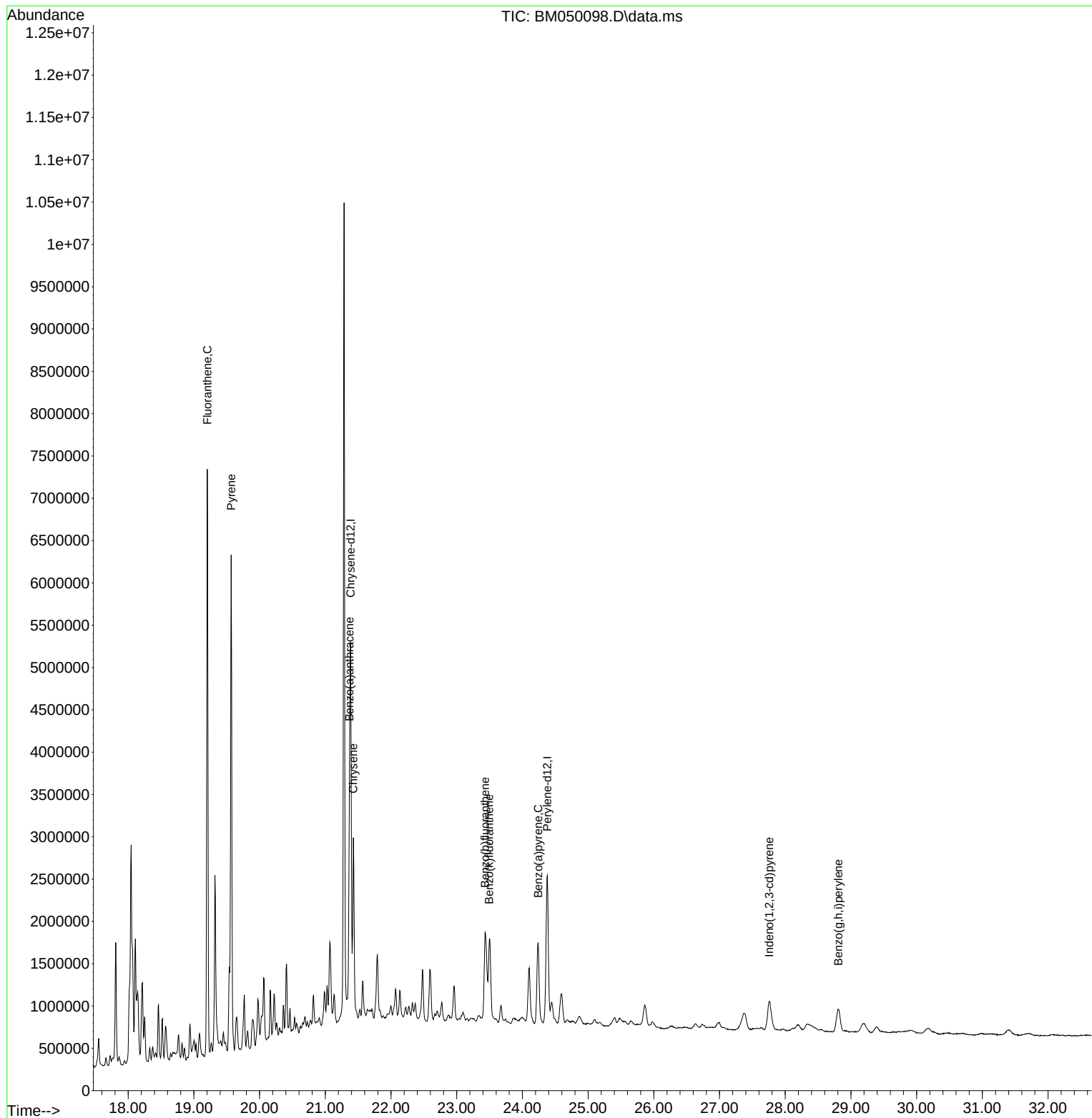
Quant Time: May 05 14:15:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
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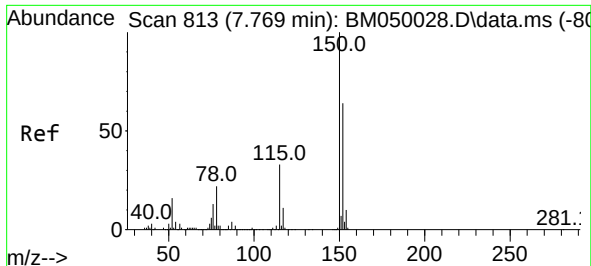


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
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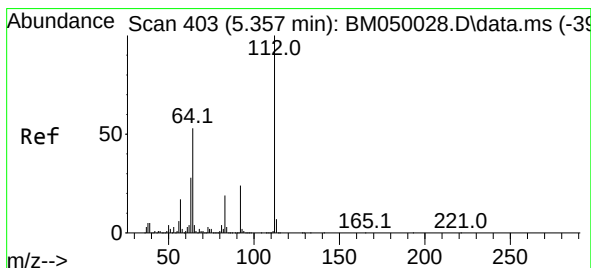
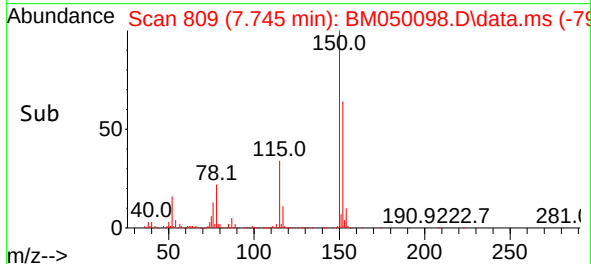
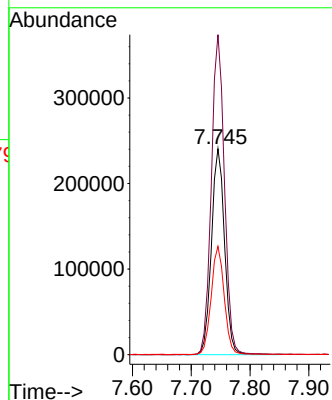
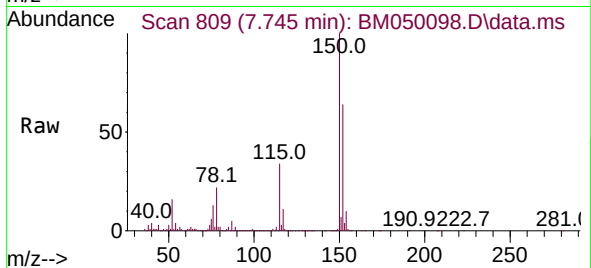




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 80
Delta R.T. -0.024 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

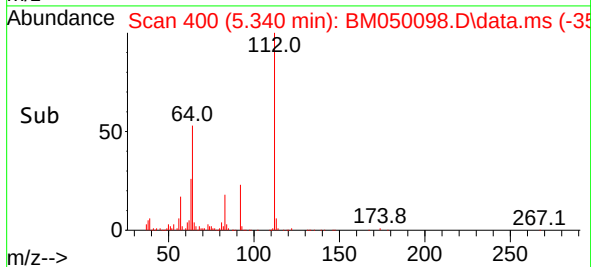
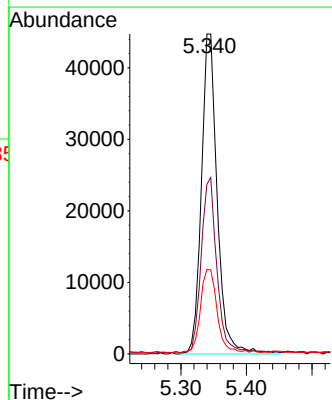
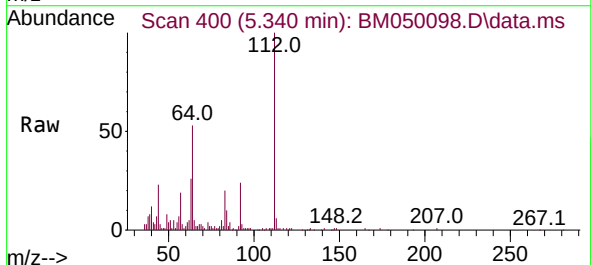
Instrument :
BNA_M
ClientSampleId :
CO-8R-WCDL

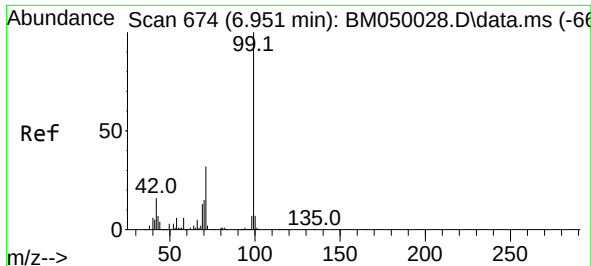
Tgt Ion:152 Resp: 373100
Ion Ratio Lower Upper
152 100
150 155.4 124.1 186.1
115 52.6 41.2 61.8



#5
2-Fluorophenol
Concen: 3.536 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

Tgt Ion:112 Resp: 75333
Ion Ratio Lower Upper
112 100
64 53.1 42.6 64.0
63 26.5 22.2 33.4

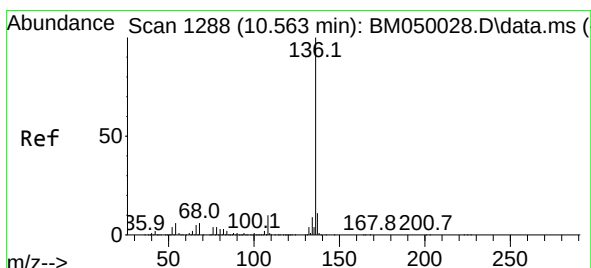
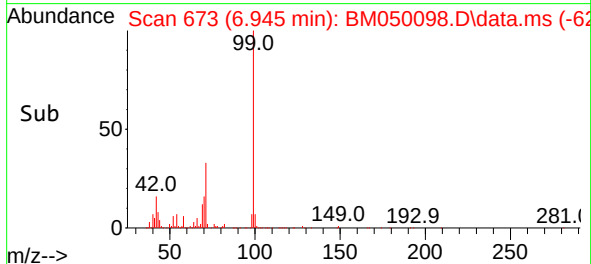
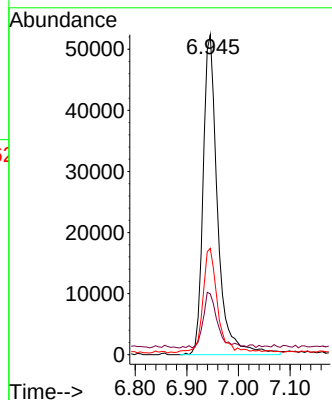
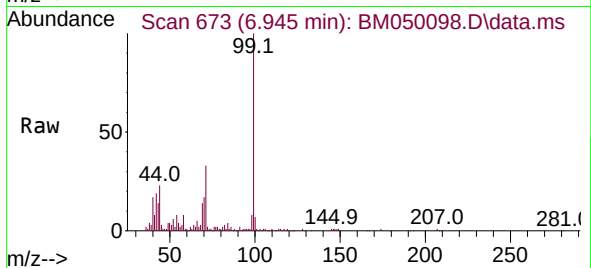




#7
Phenol-d6
Concen: 3.818 ng
RT: 6.945 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

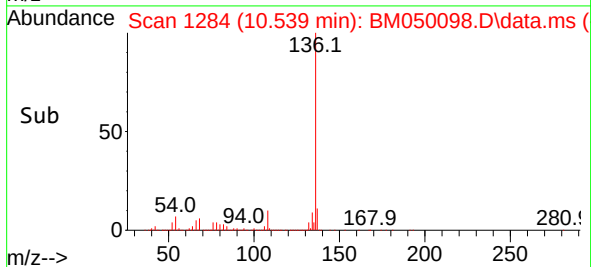
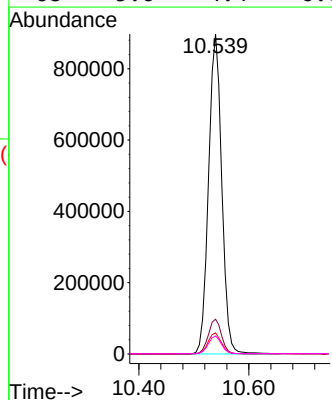
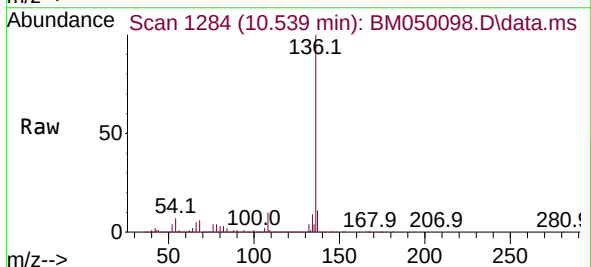
Instrument :
BNA_M
ClientSampleId :
CO-8R-WCDL

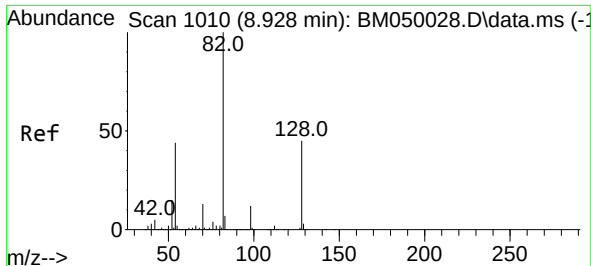
Tgt Ion: 99 Resp: 102248
Ion Ratio Lower Upper
99 100
42 19.0 13.0 19.4
71 33.2 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

Tgt Ion: 136 Resp: 1493906
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.6 5.1 7.7
68 5.6 4.4 6.6

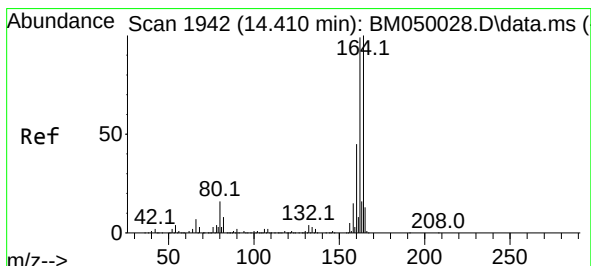
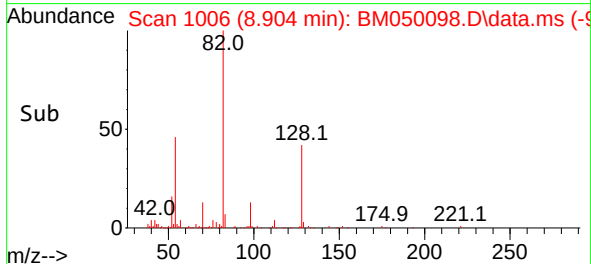
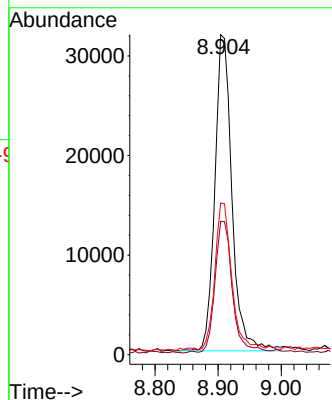
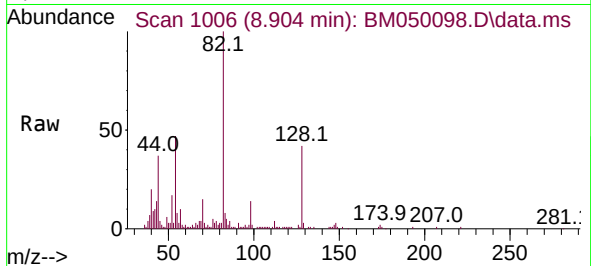




#23
Nitrobenzene-d5
Concen: 1.972 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.024 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

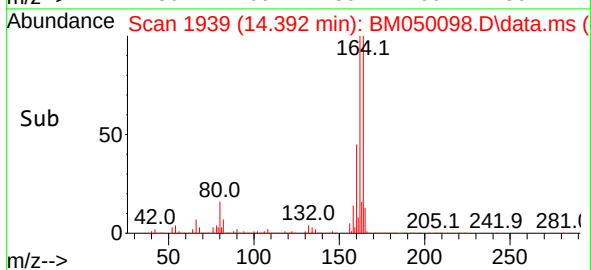
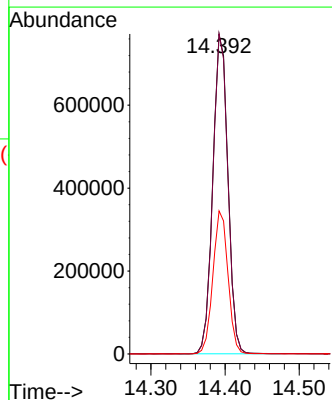
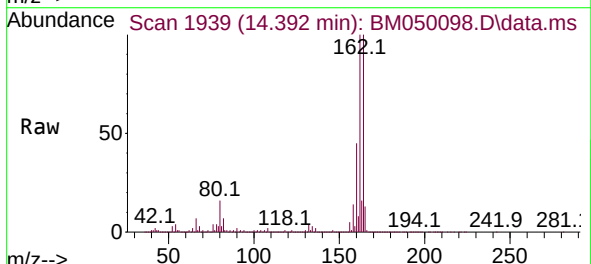
Instrument :
BNA_M
ClientSampleId :
CO-8R-WCDL

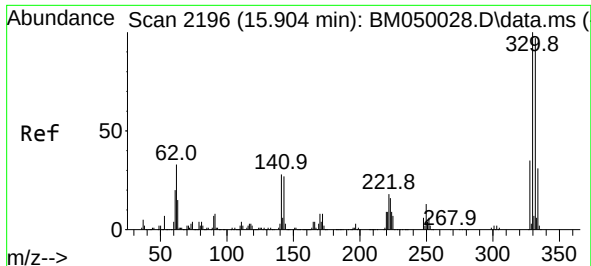
Tgt Ion: 82 Resp: 59788
Ion Ratio Lower Upper
82 100
128 41.7 35.7 53.5
54 47.4 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

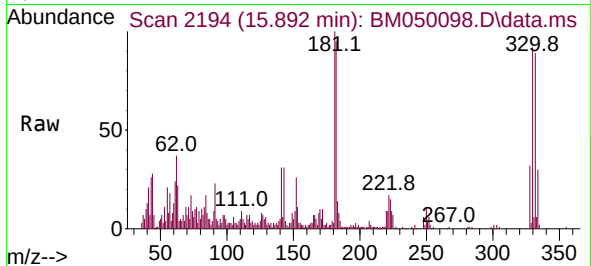
Tgt Ion:164 Resp: 1094766
Ion Ratio Lower Upper
164 100
162 100.1 79.4 119.0
160 44.7 36.2 54.4



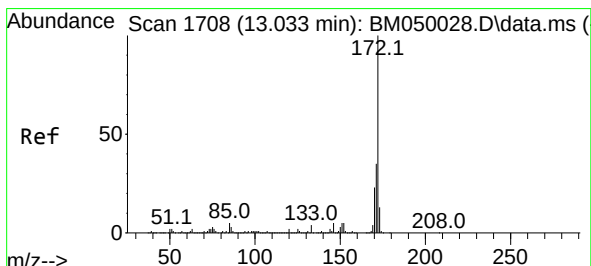
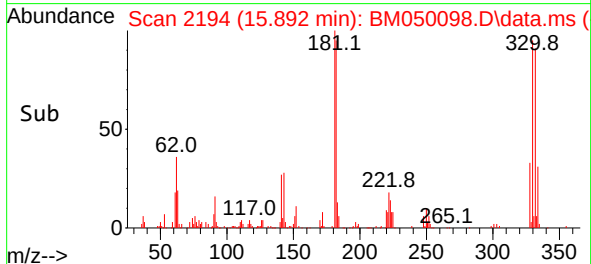
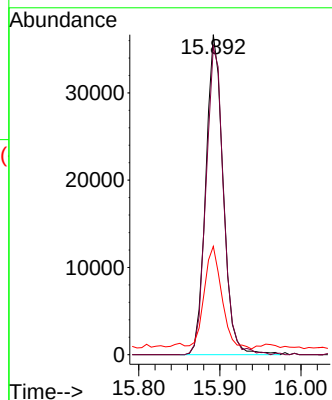


#42
2,4,6-Tribromophenol
Concen: 3.366 ng
RT: 15.892 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

Instrument :
BNA_M
ClientSampleId :
CO-8R-WCDL

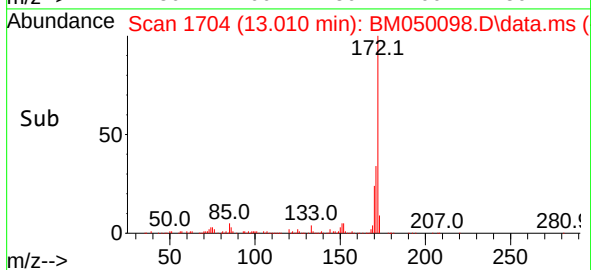
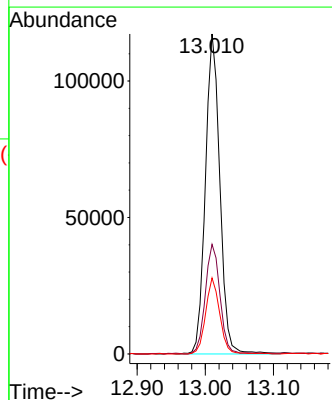
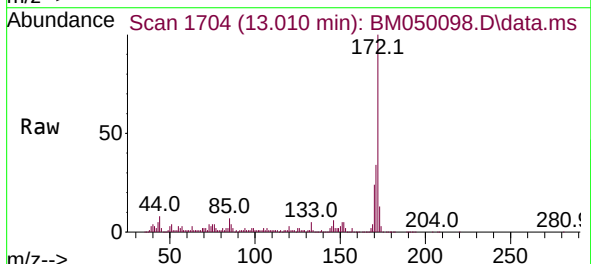


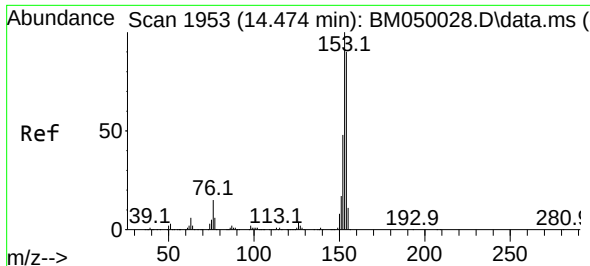
Tgt Ion:330 Resp: 54481
Ion Ratio Lower Upper
330 100
332 97.1 77.3 115.9
141 32.7 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 1.874 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.024 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

Tgt Ion:172 Resp: 173403
Ion Ratio Lower Upper
172 100
171 34.2 27.8 41.6
170 23.7 18.6 28.0

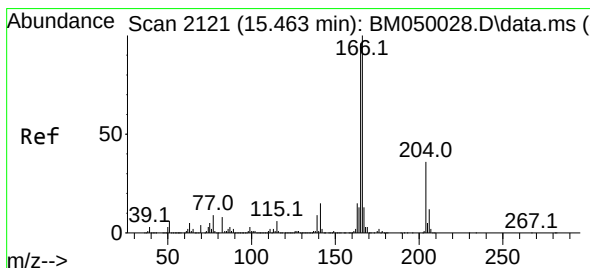
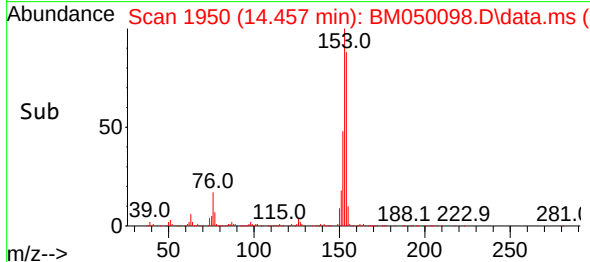
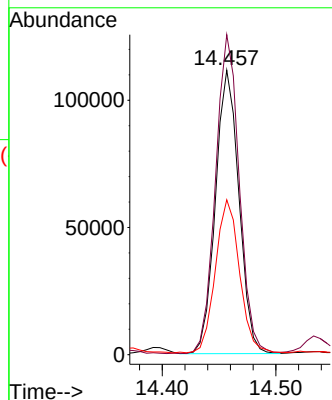
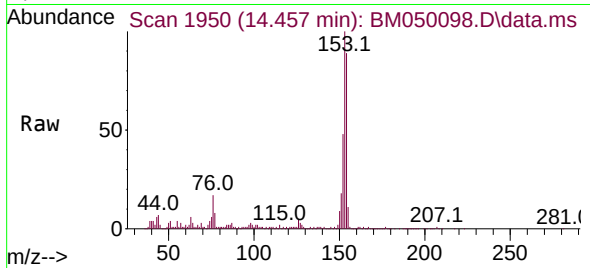




#52
Acenaphthene
Concen: 2.719 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.018 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

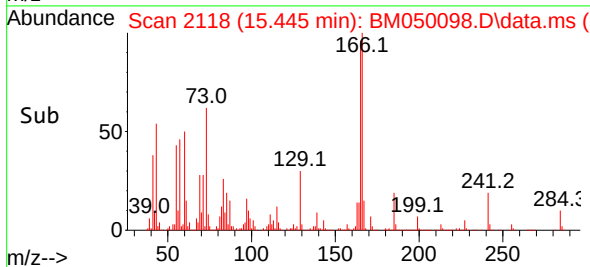
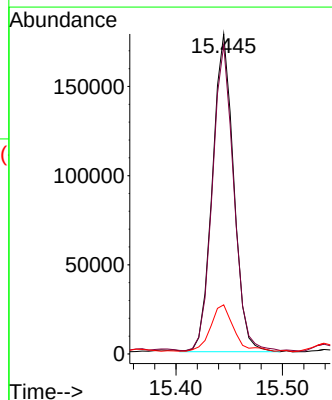
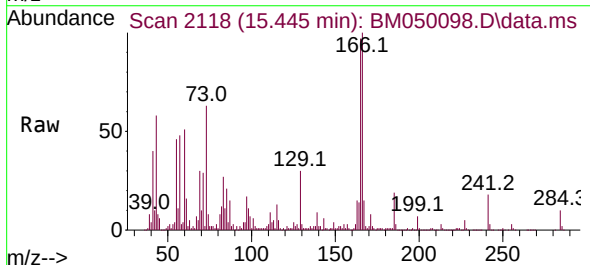
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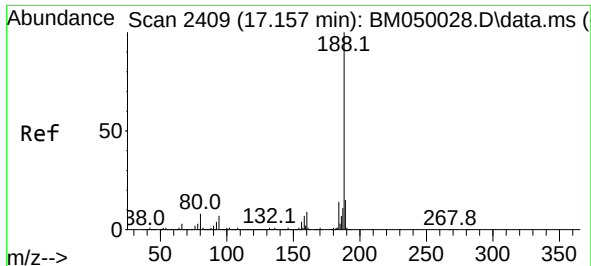
Tgt Ion:154 Resp: 159950
Ion Ratio Lower Upper
154 100
153 112.5 89.0 133.4
152 54.4 43.0 64.6



#58
Fluorene
Concen: 3.081 ng
RT: 15.445 min Scan# 2118
Delta R.T. -0.018 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

Tgt Ion:166 Resp: 246811
Ion Ratio Lower Upper
166 100
165 96.6 76.6 115.0
167 15.3 10.6 16.0

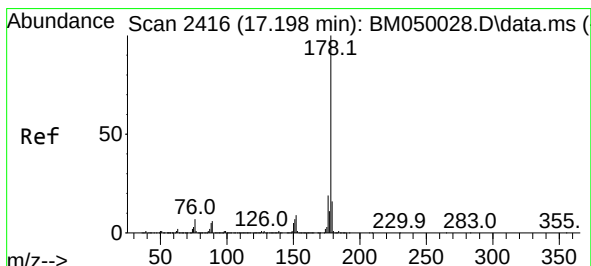
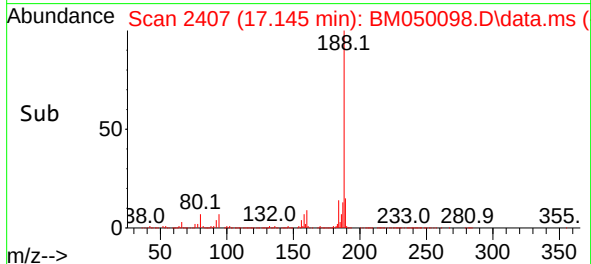
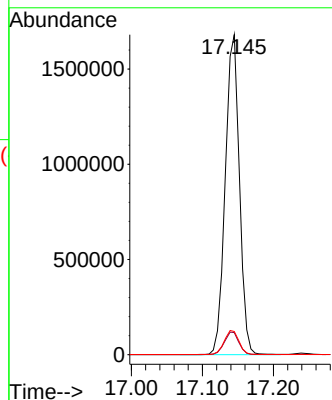
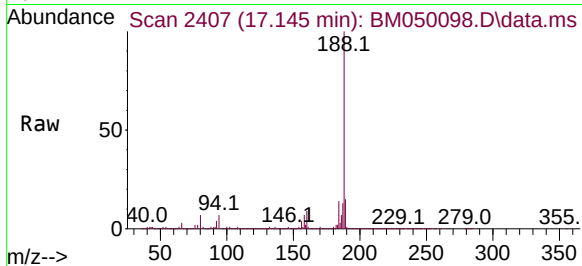




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2410
Delta R.T. -0.012 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

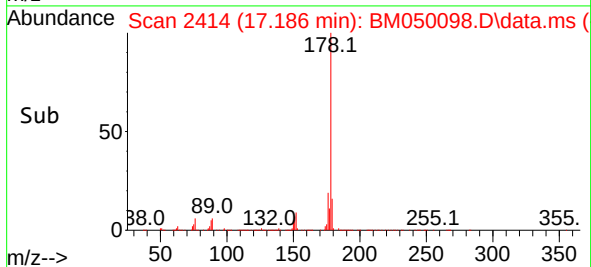
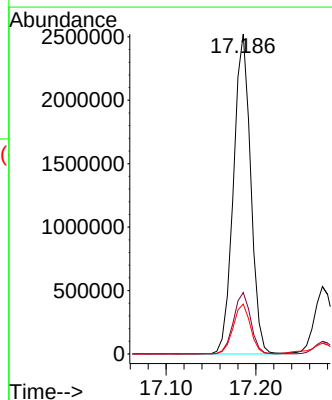
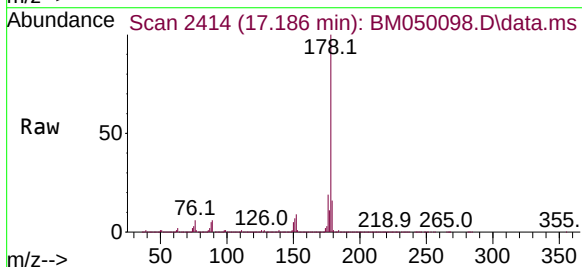
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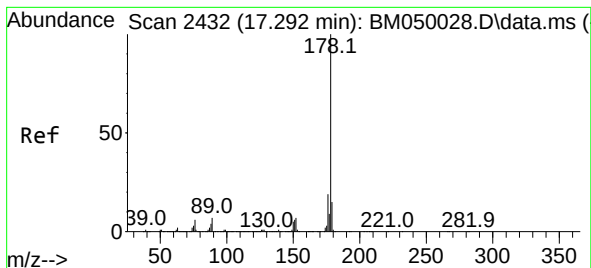
Tgt Ion:188 Resp: 2314689
Ion Ratio Lower Upper
188 100
94 6.9 5.7 8.5
80 7.3 6.2 9.4



#71
Phenanthrene
Concen: 25.664 ng
RT: 17.186 min Scan# 2414
Delta R.T. -0.012 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

Tgt Ion:178 Resp: 3350459
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.6 12.4 18.6





#72

Anthracene

Concen: 5.601 ng

RT: 17.274 min Scan# 24

Delta R.T. -0.018 min

Lab File: BM050098.D

Acq: 05 May 2025 13:40

Instrument :

BNA_M

ClientSampleId :

CO-8R-WCDL

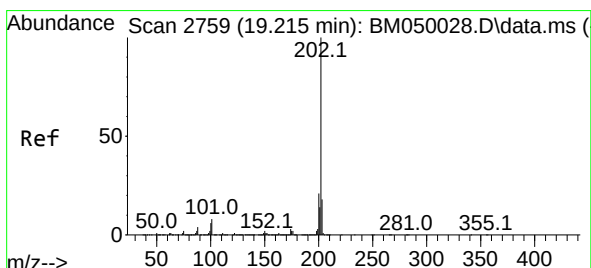
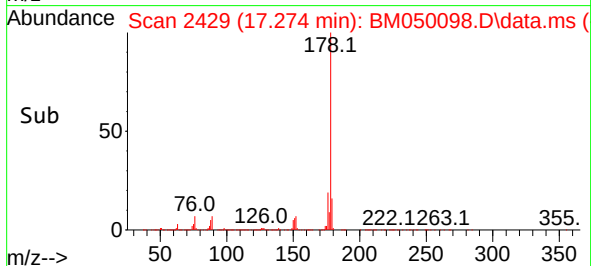
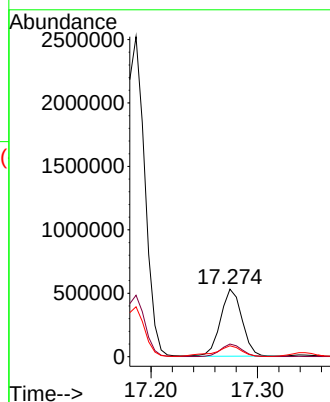
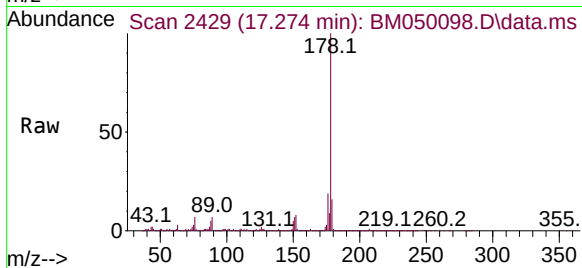
Tgt Ion:178 Resp: 739955

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

179 16.1 12.2 18.4



#75

Fluoranthene

Concen: 25.676 ng

RT: 19.203 min Scan# 2757

Delta R.T. -0.012 min

Lab File: BM050098.D

Acq: 05 May 2025 13:40

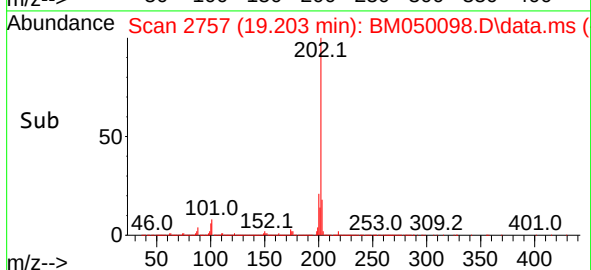
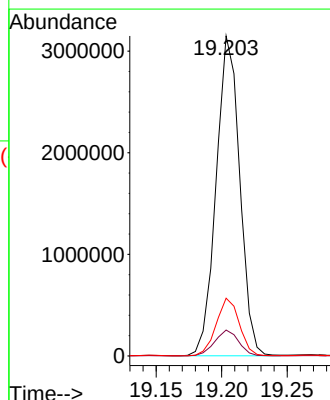
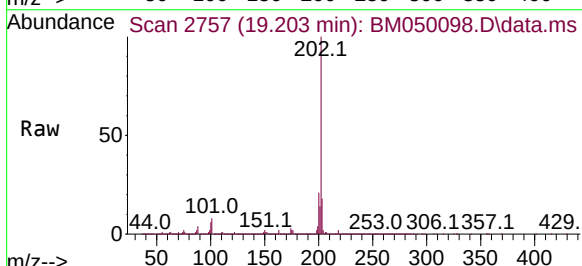
Tgt Ion:202 Resp: 3935448

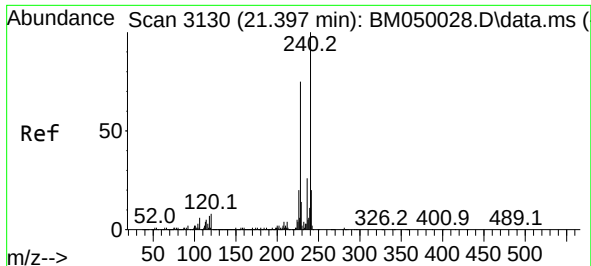
Ion Ratio Lower Upper

202 100

101 8.1 0.0 28.0

203 18.0 0.0 37.7

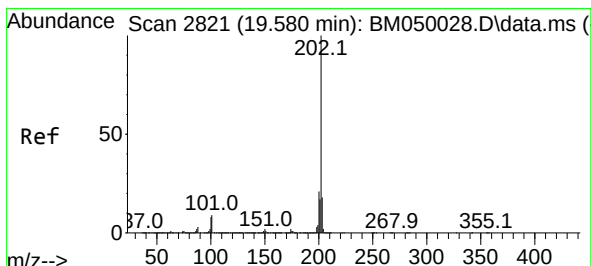
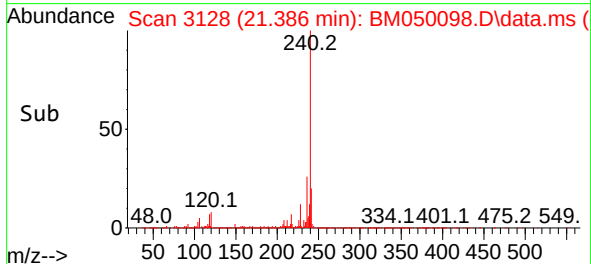
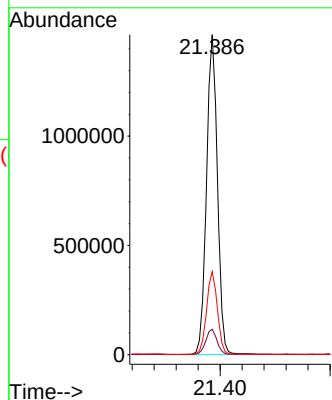
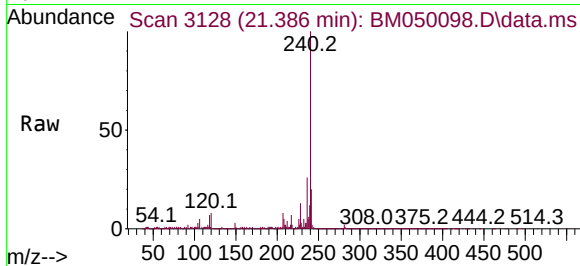




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 31
Delta R.T. -0.011 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

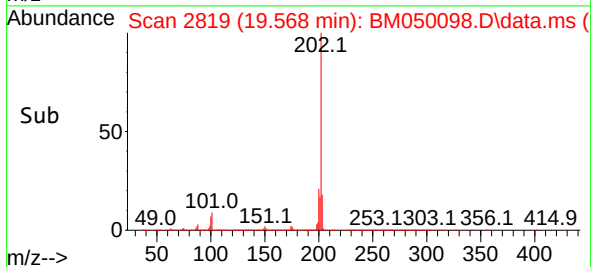
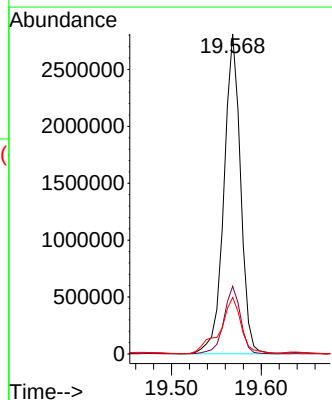
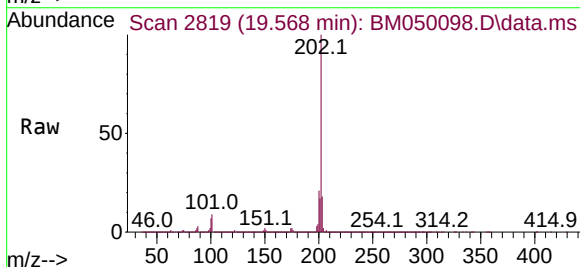
Instrument :
BNA_M
ClientSampleId :
CO-8R-WCDL

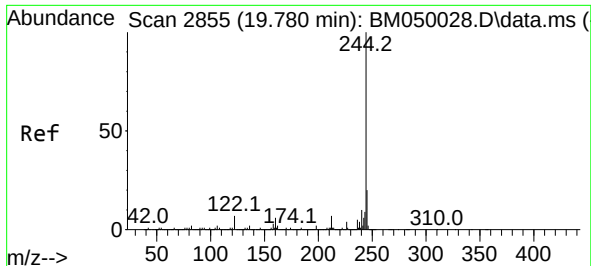
Tgt Ion:240 Resp: 2008283
Ion Ratio Lower Upper
240 100
120 7.9 6.5 9.7
236 26.0 20.9 31.3



#78
Pyrene
Concen: 25.631 ng
RT: 19.568 min Scan# 2819
Delta R.T. -0.012 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

Tgt Ion:202 Resp: 3614643
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 17.7 14.1 21.1

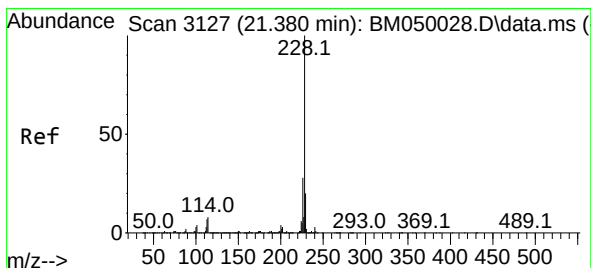
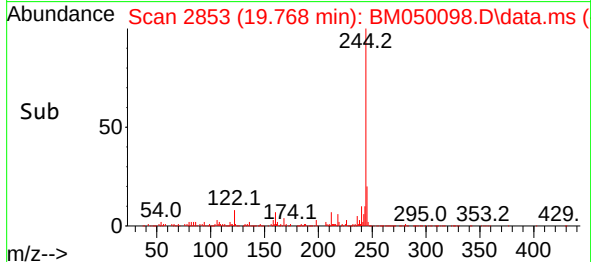
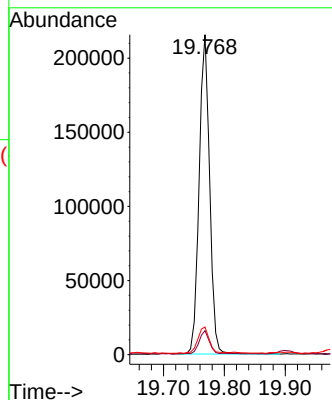
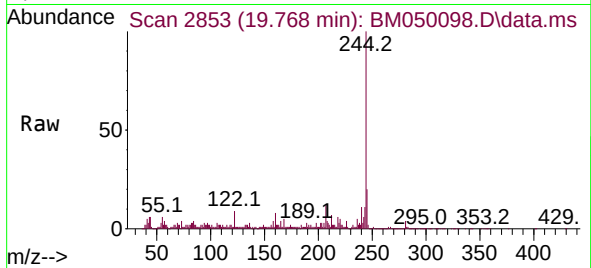




#79
 Terphenyl-d14
 Concen: 1.899 ng
 RT: 19.768 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM050098.D
 Acq: 05 May 2025 13:40

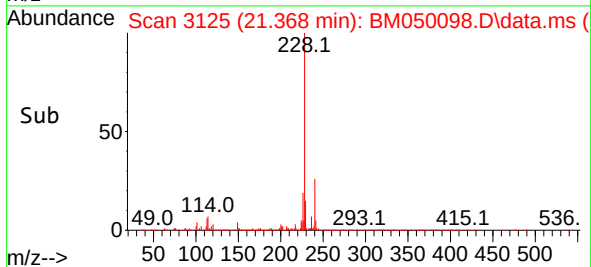
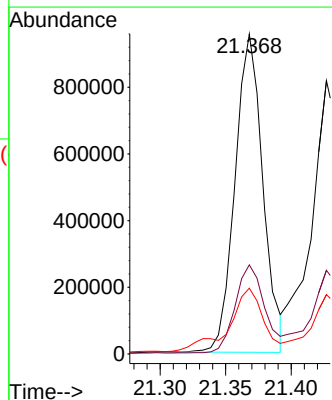
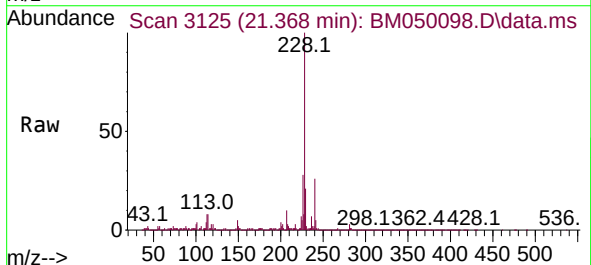
Instrument :
 BNA_M
 ClientSampleId :
 CO-8R-WCDL

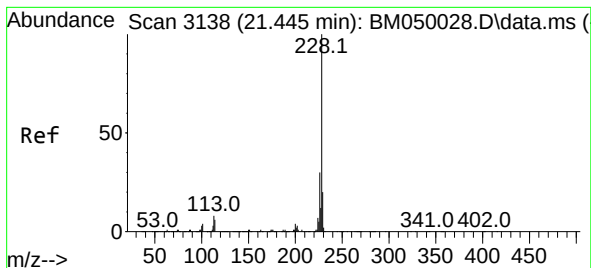
Tgt Ion:244 Resp: 257693
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.6 8.4
 122 8.7 5.6 8.4#



#81
 Benzo(a)anthracene
 Concen: 10.198 ng
 RT: 21.368 min Scan# 3125
 Delta R.T. -0.012 min
 Lab File: BM050098.D
 Acq: 05 May 2025 13:40

Tgt Ion:228 Resp: 1410304
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.1 33.1
 229 20.6 15.7 23.5





#83

Chrysene

Concen: 10.184 ng

RT: 21.427 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM050098.D

Acq: 05 May 2025 13:40

Instrument :

BNA_M

ClientSampleId :

CO-8R-WCDL

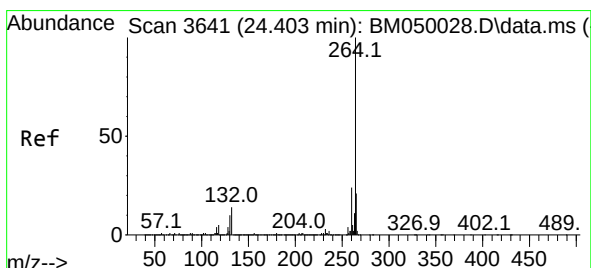
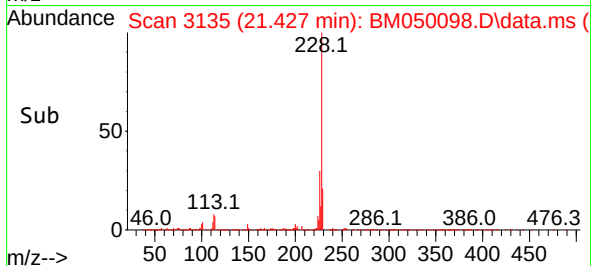
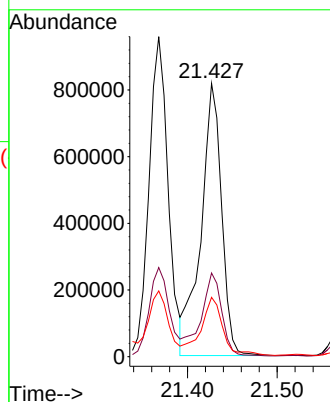
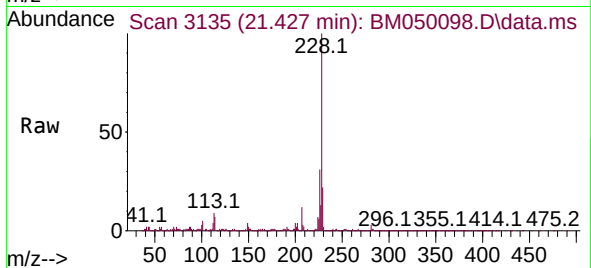
Tgt Ion:228 Resp: 1303463

Ion Ratio Lower Upper

228 100

226 30.6 24.2 36.2

229 21.7 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.380 min Scan# 3637

Delta R.T. -0.024 min

Lab File: BM050098.D

Acq: 05 May 2025 13:40

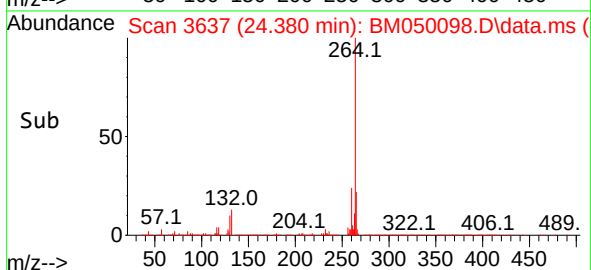
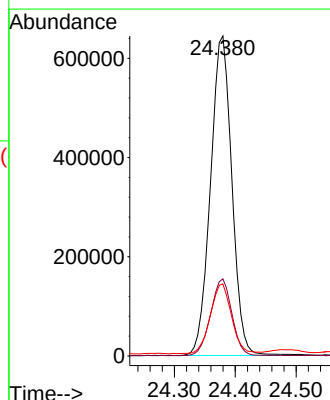
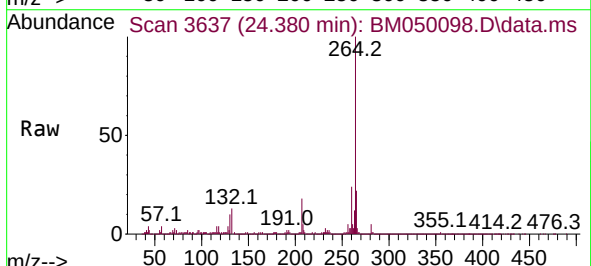
Tgt Ion:264 Resp: 1568873

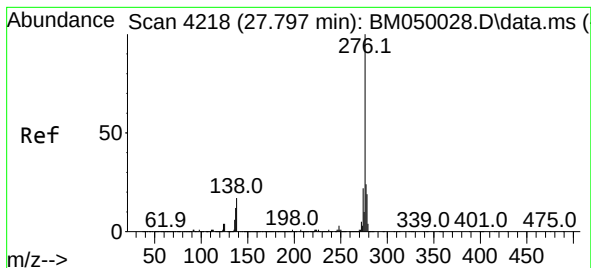
Ion Ratio Lower Upper

264 100

260 24.1 18.8 28.2

265 22.5 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.490 ng

RT: 27.756 min Scan# 41

Delta R.T. -0.041 min

Lab File: BM050098.D

Acq: 05 May 2025 13:40

Instrument :

BNA_M

ClientSampleId :

CO-8R-WCDL

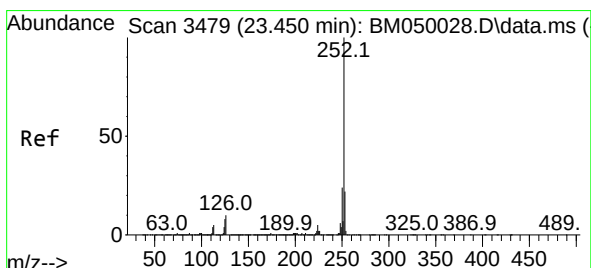
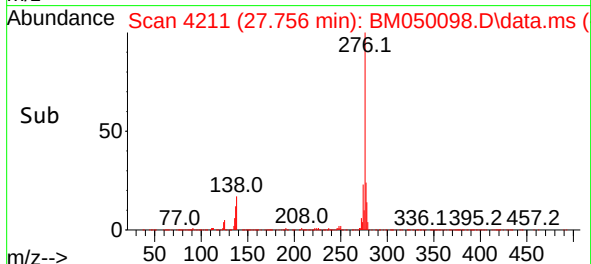
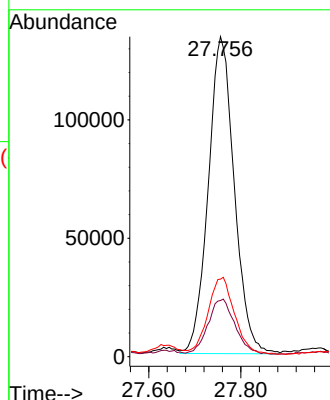
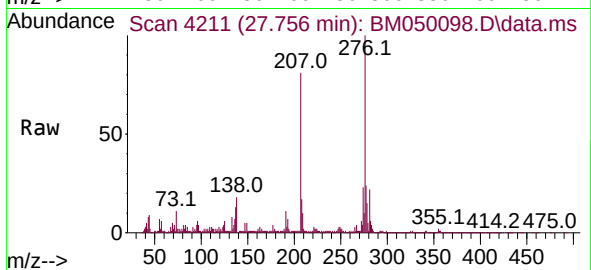
Tgt Ion:276 Resp: 524922

Ion Ratio Lower Upper

276 100

138 18.0 16.4 24.6

277 24.8 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 11.788 ng

RT: 23.433 min Scan# 3476

Delta R.T. -0.018 min

Lab File: BM050098.D

Acq: 05 May 2025 13:40

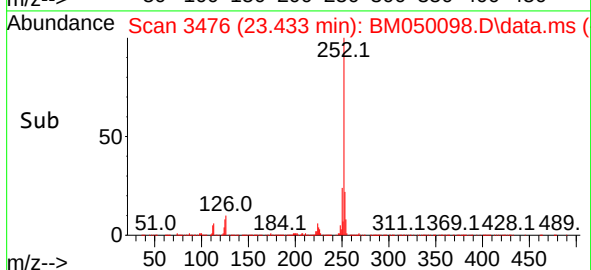
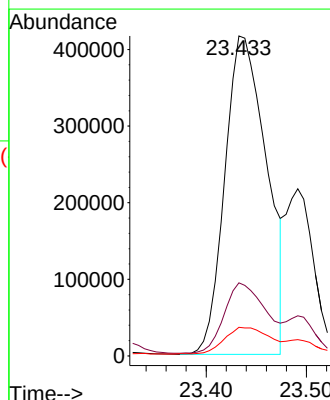
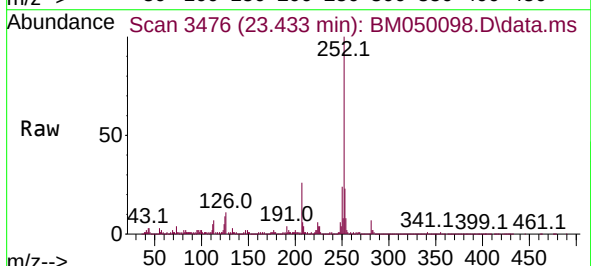
Tgt Ion:252 Resp: 1202702

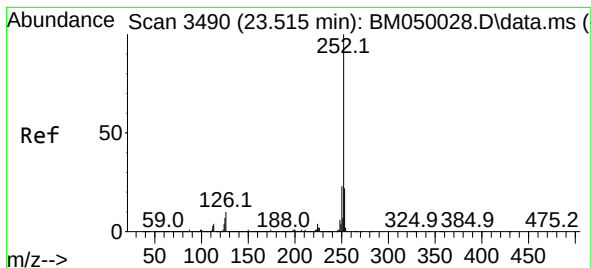
Ion Ratio Lower Upper

252 100

253 22.9 17.7 26.5

125 9.0 6.1 9.1





#89

Benzo(k)fluoranthene

Concen: 4.092 ng m

RT: 23.491 min Scan# 34

Delta R.T. -0.024 min

Lab File: BM050098.D

Acq: 05 May 2025 13:40

Instrument :

BNA_M

ClientSampleId :

CO-8R-WCDL

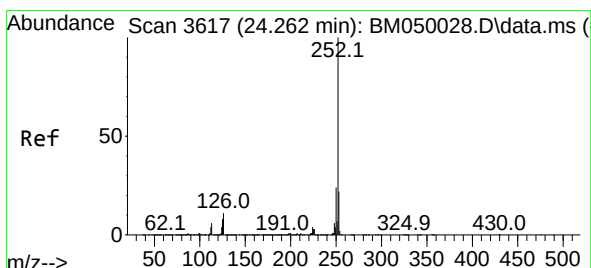
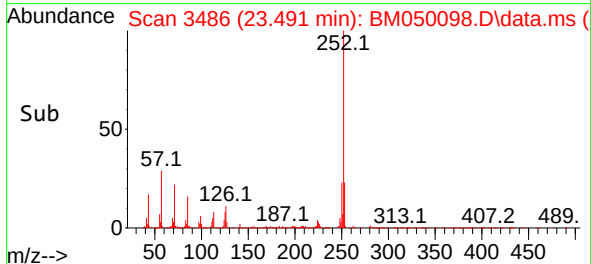
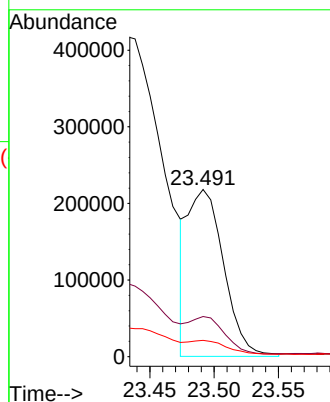
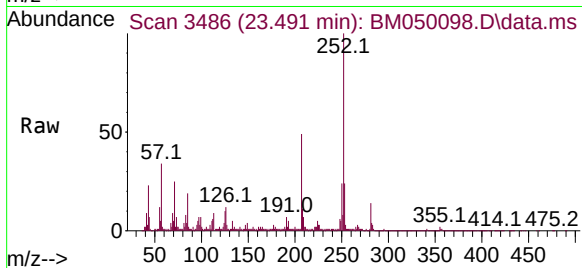
Tgt Ion:252 Resp: 422321

Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.2

125 9.8 5.8 8.8#



#90

Benzo(a)pyrene

Concen: 9.445 ng

RT: 24.238 min Scan# 3613

Delta R.T. -0.024 min

Lab File: BM050098.D

Acq: 05 May 2025 13:40

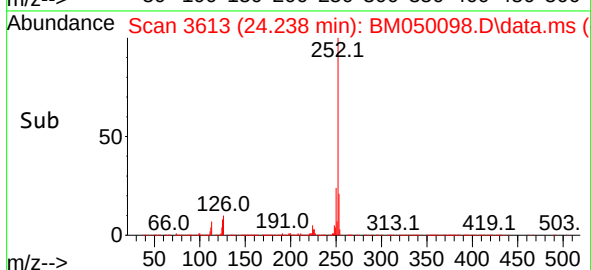
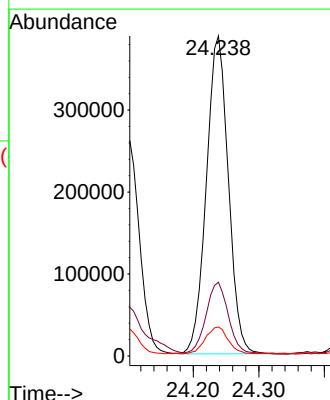
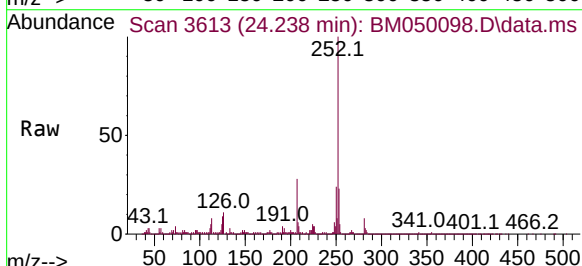
Tgt Ion:252 Resp: 902585

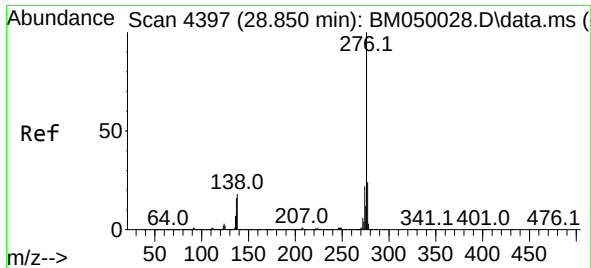
Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 9.0 6.6 9.8





#92
 Benzo(g,h,i)perylene
 Concen: 5.699 ng
 RT: 28.809 min Scan# 41
 Delta R.T. -0.041 min
 Lab File: BM050098.D
 Acq: 05 May 2025 13:40

Instrument :
 BNA_M
 ClientSampleId :
 CO-8R-WCDL

Tgt Ion:276 Resp: 519885
 Ion Ratio Lower Upper
 276 100
 277 24.3 19.1 28.7
 138 18.1 14.3 21.5

