

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
 Data File : BM050093.D
 Acq On : 02 May 2025 19:55
 Operator : RC/JU
 Sample : Q1923-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TR-05-04302025

Quant Time: May 02 23:58:59 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)

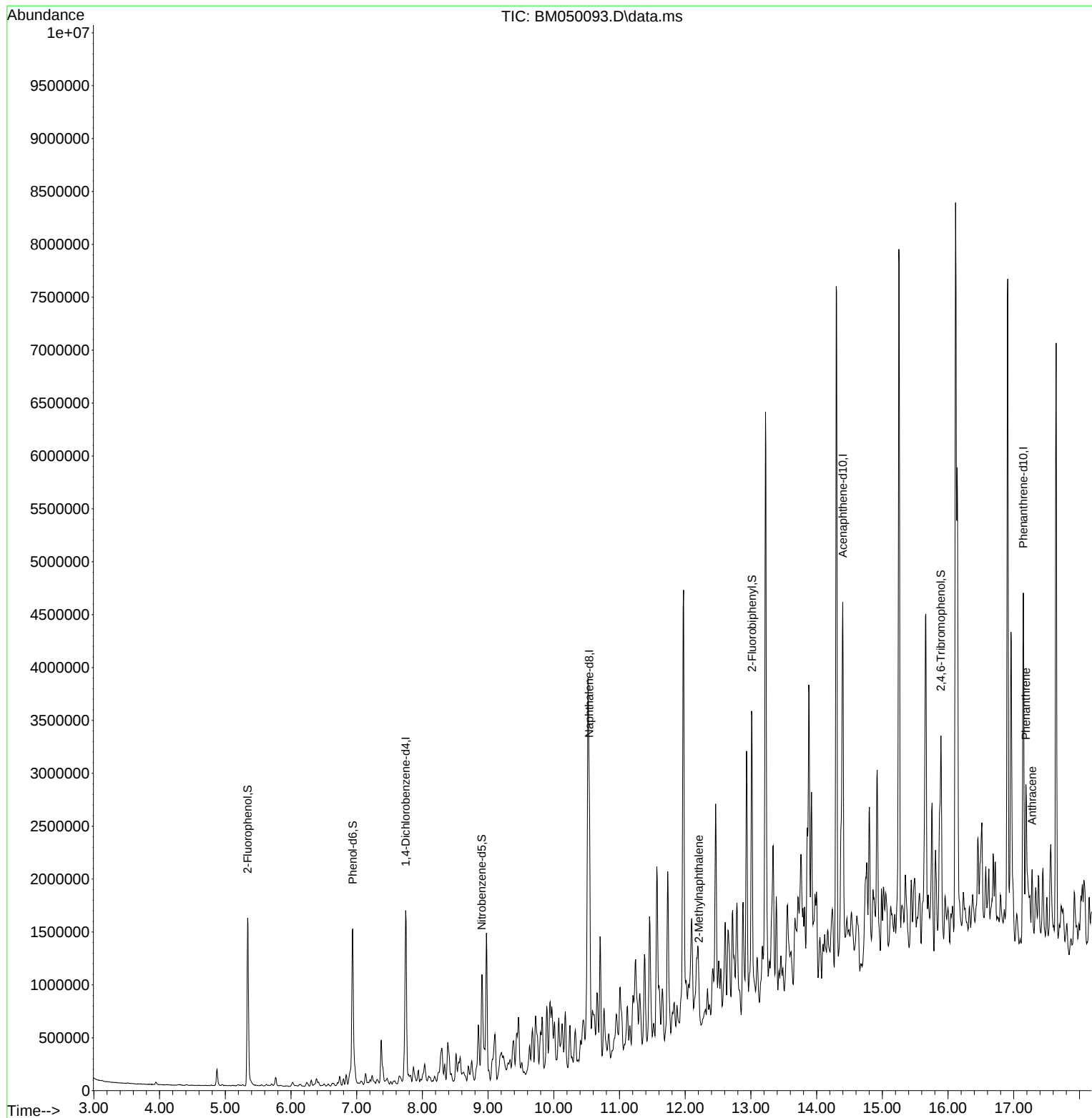
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	484938	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1769410	20.000	ng	-0.02
39) Acenaphthene-d10	14.398	164	1069480	20.000	ng	-0.01
64) Phenanthrene-d10	17.145	188	1832185	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	1349984	20.000	ng	-0.01
86) Perylene-d12	24.380	264	1426216	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	780505	28.183	ng	-0.02
7) Phenol-d6	6.940	99	1018584	29.263	ng	-0.01
23) Nitrobenzene-d5	8.904	82	607880	16.929	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	411295	26.009	ng	-0.01
45) 2-Fluorobiphenyl	13.016	172	1585767	17.541	ng	-0.02
79) Terphenyl-d14	19.768	244	1567449	17.181	ng	-0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.210	142	134183	2.234	ng	96
71) Phenanthrene	17.186	178	858642	8.309	ng	99
72) Anthracene	17.280	178	304702m	2.914	ng	
75) Fluoranthene	19.204	202	1368523	11.280	ng	99
78) Pyrene	19.568	202	1389008	14.652	ng	99
81) Benzo(a)anthracene	21.368	228	669509	7.202	ng	96
83) Chrysene	21.427	228	638608	7.422	ng	96
87) Indeno(1,2,3-cd)pyrene	27.768	276	387174	3.643	ng	97
88) Benzo(b)fluoranthene	23.433	252	750085	8.087	ng	96
89) Benzo(k)fluoranthene	23.491	252	268083m	2.857	ng	
90) Benzo(a)pyrene	24.238	252	593061	6.827	ng	# 95
92) Benzo(g,h,i)perylene	28.821	276	409804	4.941	ng	96

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

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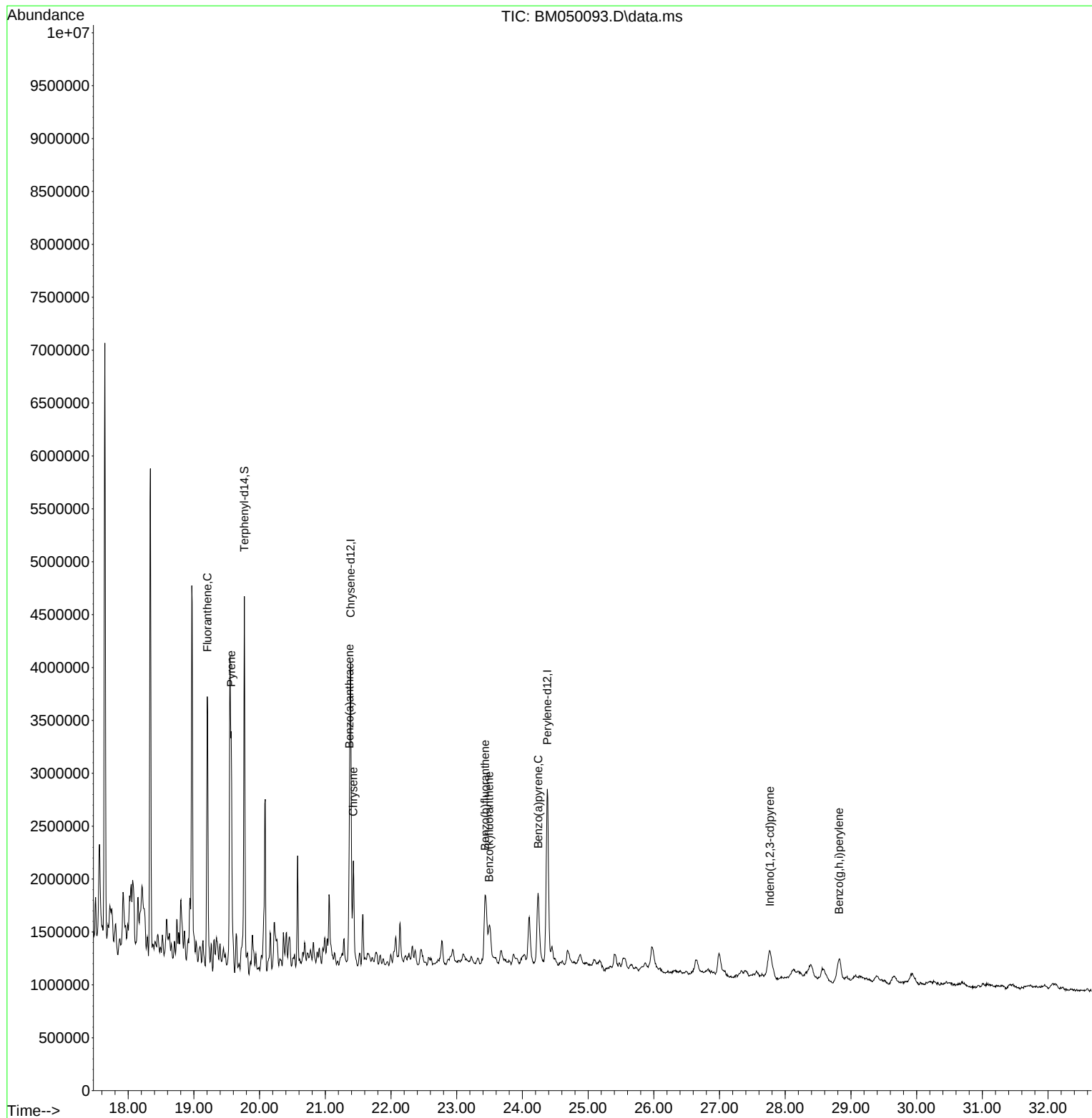
Quant Time: May 02 23:58:59 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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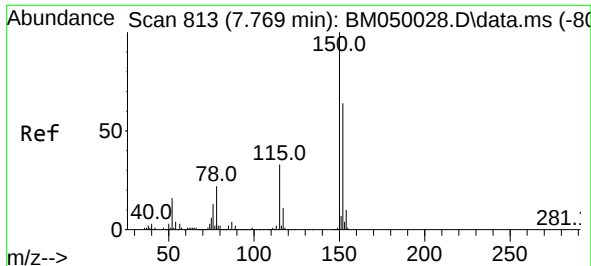


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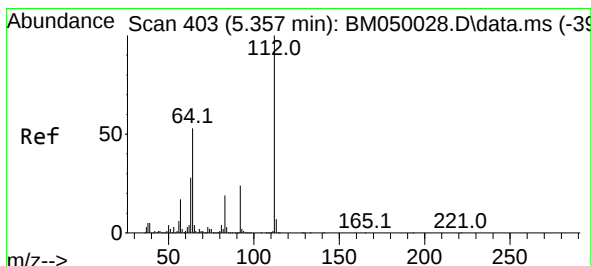
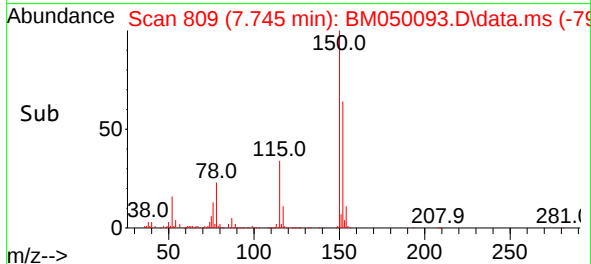
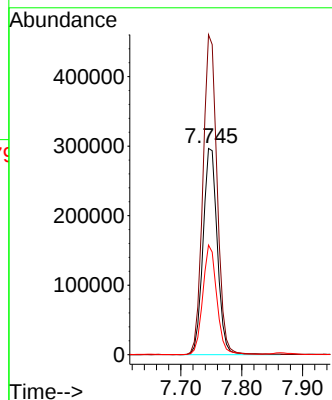
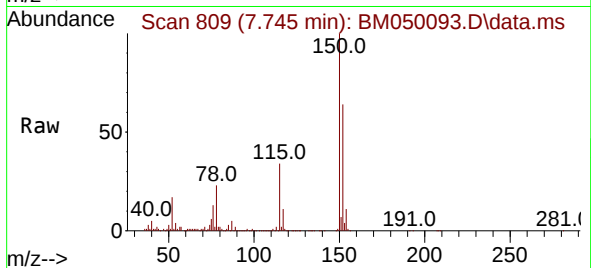




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 80
Delta R.T. -0.024 min
Lab File: BM050093.D
Acq: 02 May 2025 19:55

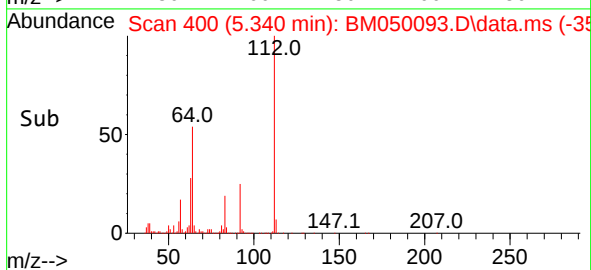
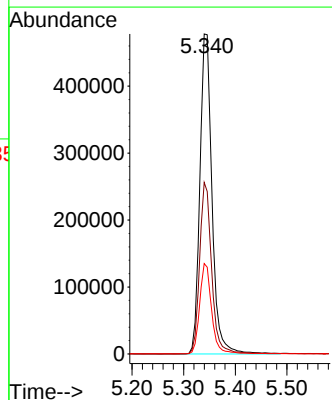
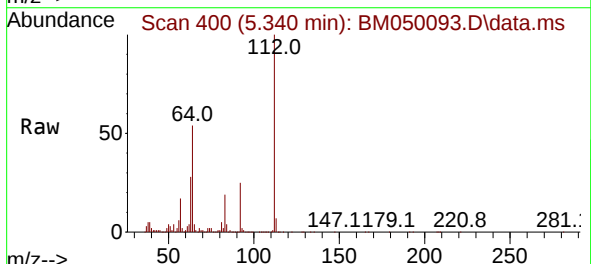
Instrument :
BNA_M
ClientSampleId :
TR-05-04302025

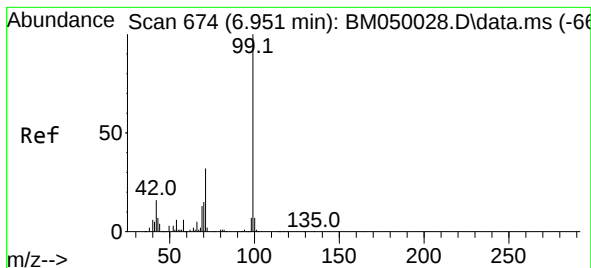
Tgt Ion:152 Resp: 484938
Ion Ratio Lower Upper
152 100
150 155.2 124.1 186.1
115 53.1 41.2 61.8



#5
2-Fluorophenol
Concen: 28.183 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050093.D
Acq: 02 May 2025 19:55

Tgt Ion:112 Resp: 780505
Ion Ratio Lower Upper
112 100
64 53.6 42.6 64.0
63 28.3 22.2 33.4





#7

Phenol-d6

Concen: 29.263 ng

RT: 6.940 min Scan# 61

Delta R.T. -0.012 min

Lab File: BM050093.D

Acq: 02 May 2025 19:55

Instrument :

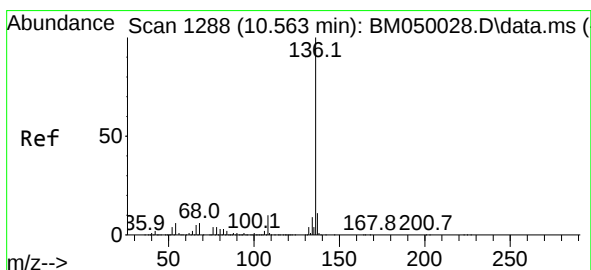
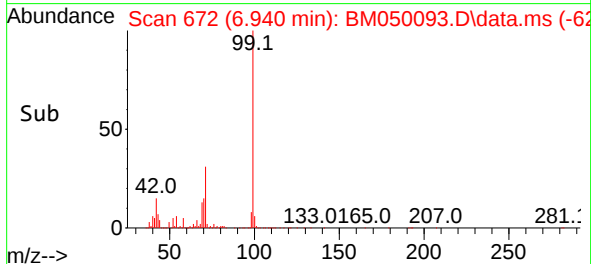
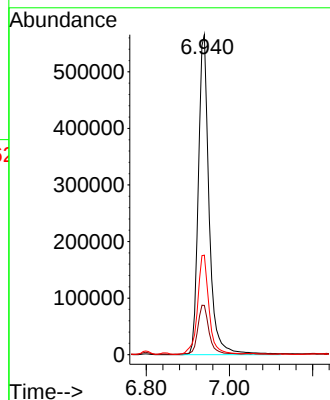
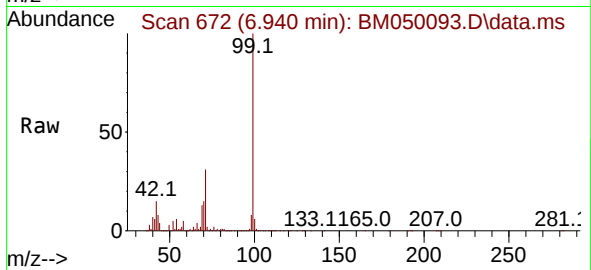
BNA_M

ClientSampleId :

TR-05-04302025

Tgt Ion: 99 Resp: 1018584

Ion	Ratio	Lower	Upper
99	100		
42	15.4	13.0	19.4
71	31.1	25.6	38.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.539 min Scan# 1284

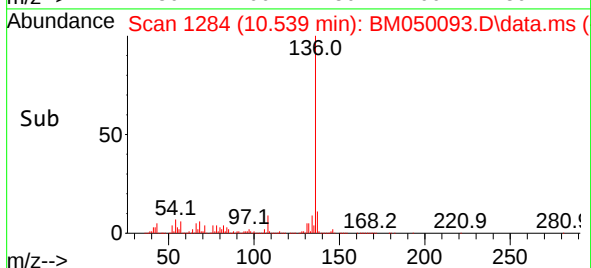
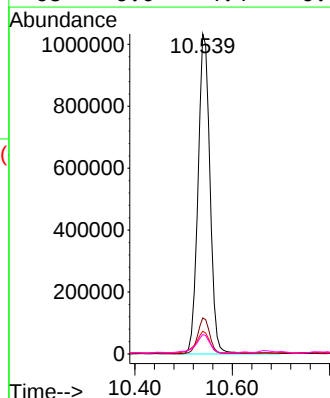
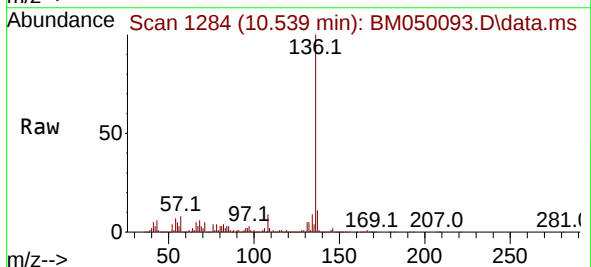
Delta R.T. -0.023 min

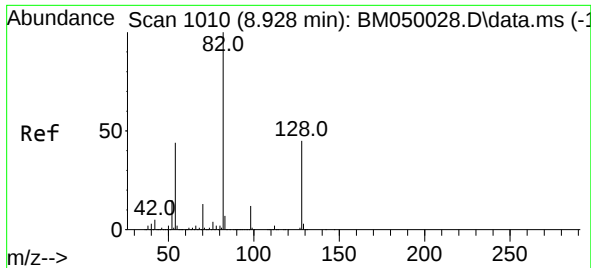
Lab File: BM050093.D

Acq: 02 May 2025 19:55

Tgt Ion: 136 Resp: 1769410

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.0	5.1	7.7
68	6.0	4.4	6.6

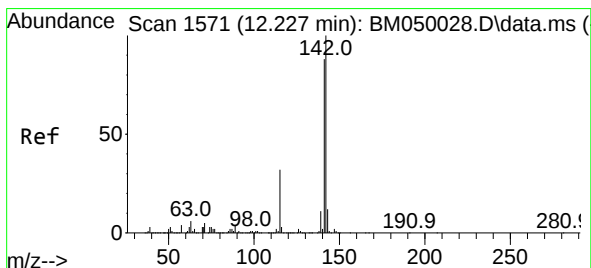
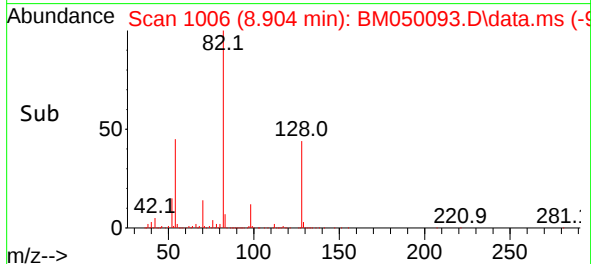
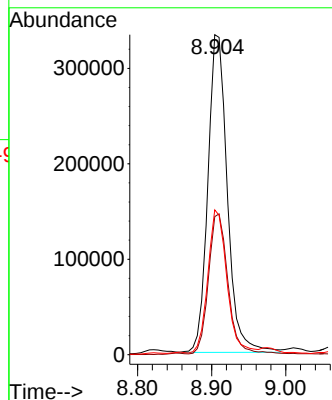
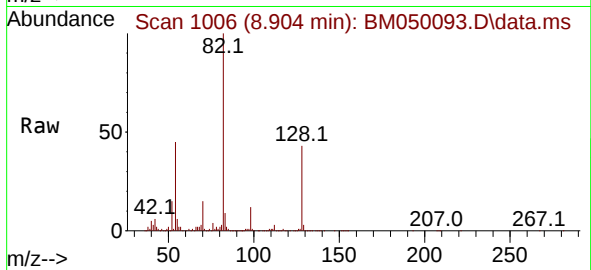




#23
Nitrobenzene-d5
Concen: 16.929 ng
RT: 8.904 min Scan# 1010
Delta R.T. -0.023 min
Lab File: BM050093.D
Acq: 02 May 2025 19:55

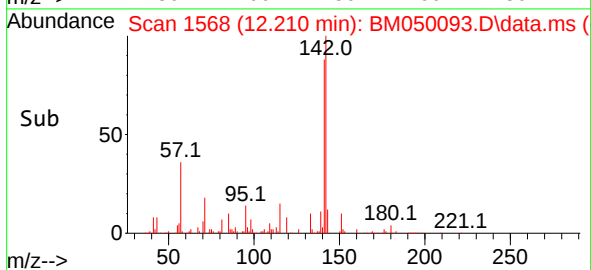
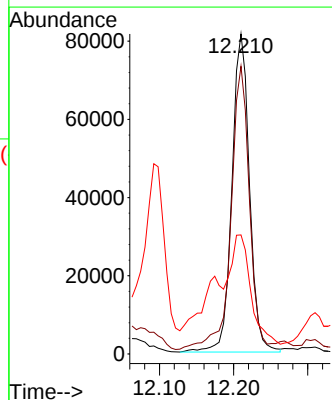
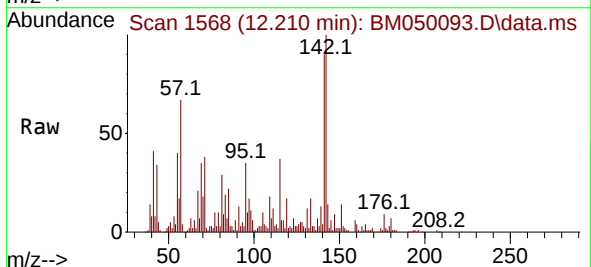
Instrument :
BNA_M
ClientSampleId :
TR-05-04302025

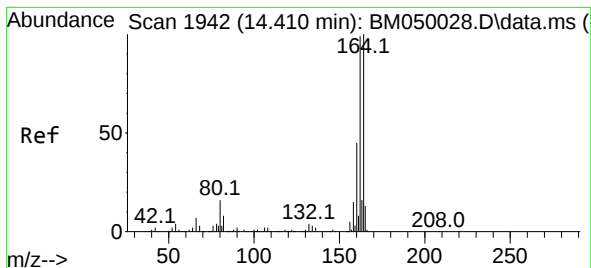
Tgt Ion: 82 Resp: 607880
Ion Ratio Lower Upper
82 100
128 43.2 35.7 53.5
54 45.3 35.4 53.2



#37
2-Methylnaphthalene
Concen: 2.234 ng
RT: 12.210 min Scan# 1568
Delta R.T. -0.018 min
Lab File: BM050093.D
Acq: 02 May 2025 19:55

Tgt Ion: 142 Resp: 134183
Ion Ratio Lower Upper
142 100
141 89.9 70.4 105.6
115 37.2 25.4 38.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.398 min Scan# 1940

Delta R.T. -0.012 min

Lab File: BM050093.D

Acq: 02 May 2025 19:55

Instrument :

BNA_M

ClientSampleId :

TR-05-04302025

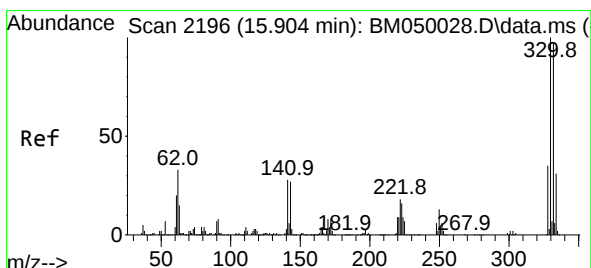
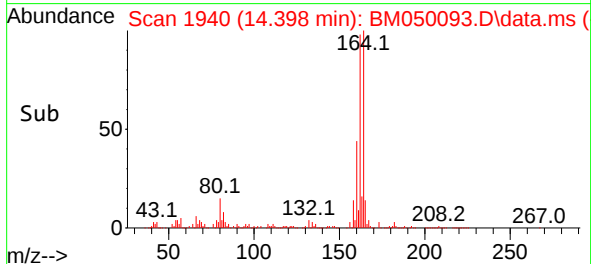
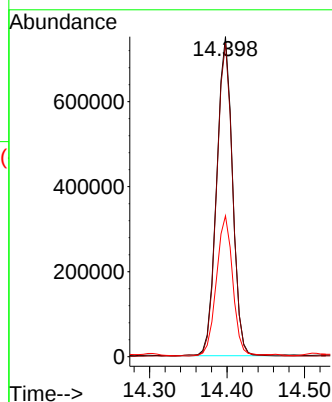
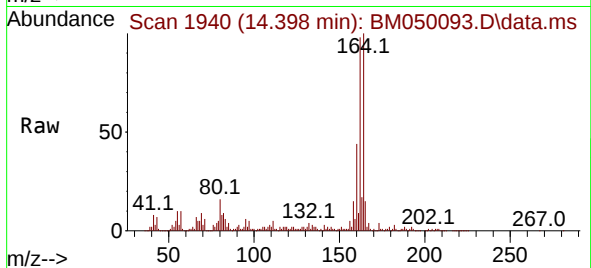
Tgt Ion:164 Resp: 1069480

Ion Ratio Lower Upper

164 100

162 98.0 79.4 119.0

160 44.0 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 26.009 ng

RT: 15.892 min Scan# 2194

Delta R.T. -0.012 min

Lab File: BM050093.D

Acq: 02 May 2025 19:55

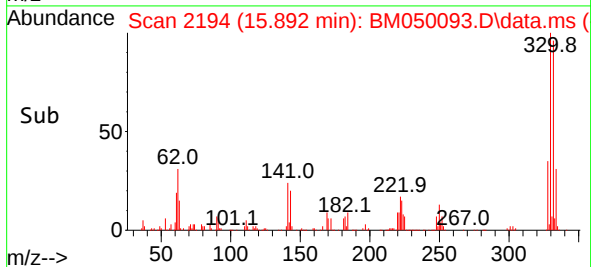
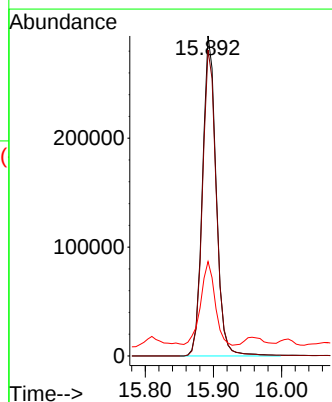
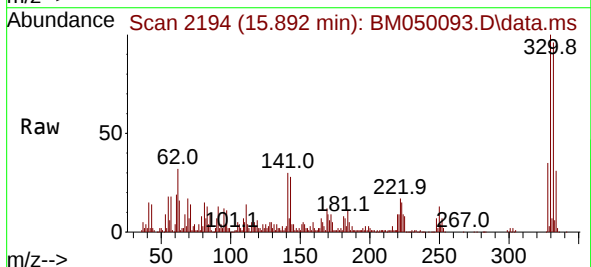
Tgt Ion:330 Resp: 411295

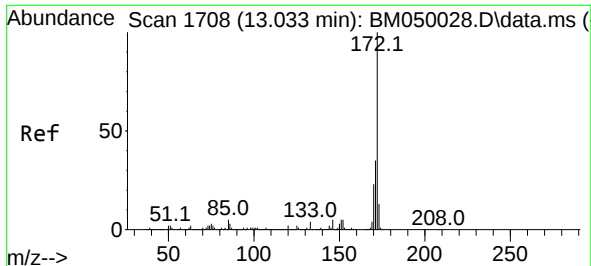
Ion Ratio Lower Upper

330 100

332 96.5 77.3 115.9

141 27.2 22.5 33.7

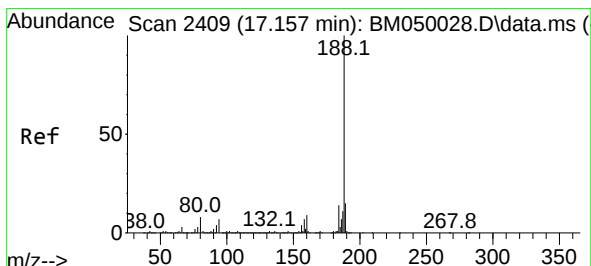
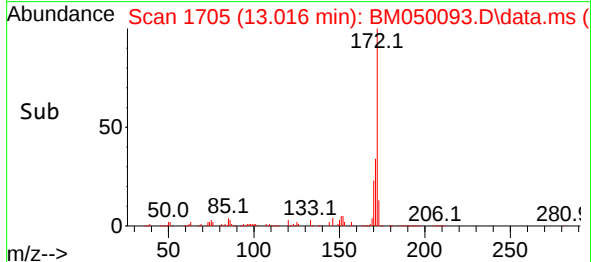
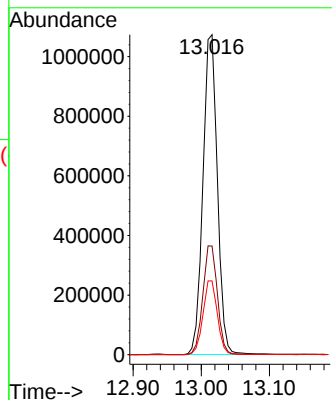
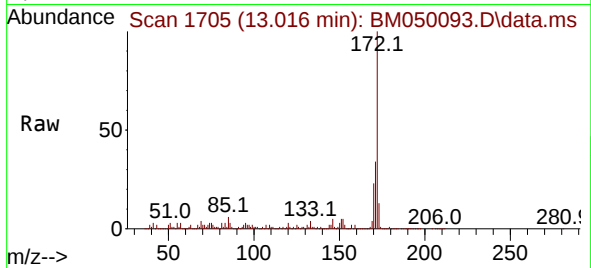




#45
2-Fluorobiphenyl
Concen: 17.541 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050093.D
Acq: 02 May 2025 19:55

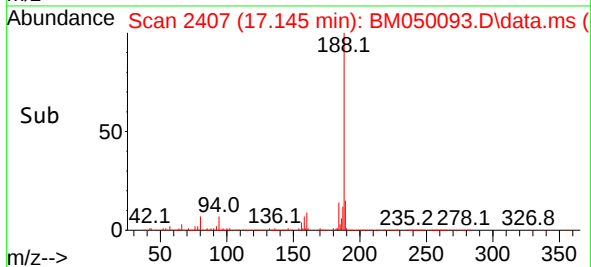
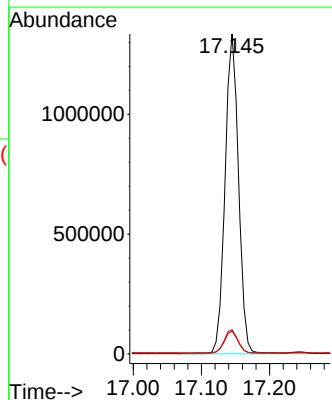
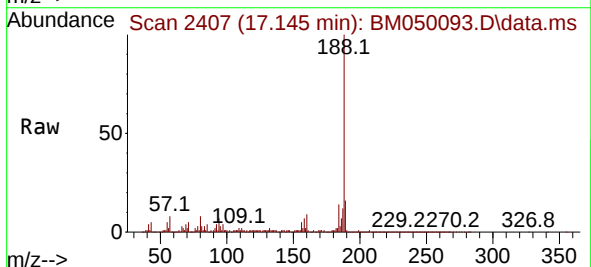
Instrument :
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TR-05-04302025

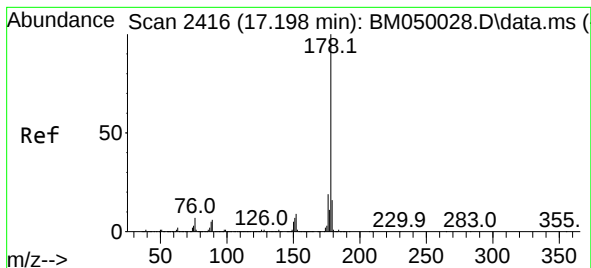
Tgt Ion:172 Resp: 1585767
Ion Ratio Lower Upper
172 100
171 33.9 27.8 41.6
170 23.1 18.6 28.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BM050093.D
Acq: 02 May 2025 19:55

Tgt Ion:188 Resp: 1832185
Ion Ratio Lower Upper
188 100
94 7.2 5.7 8.5
80 7.6 6.2 9.4





#71

Phenanthrene

Concen: 8.309 ng

RT: 17.186 min Scan# 2416

Delta R.T. -0.012 min

Lab File: BM050093.D

Acq: 02 May 2025 19:55

Instrument :

BNA_M

ClientSampleId :

TR-05-04302025

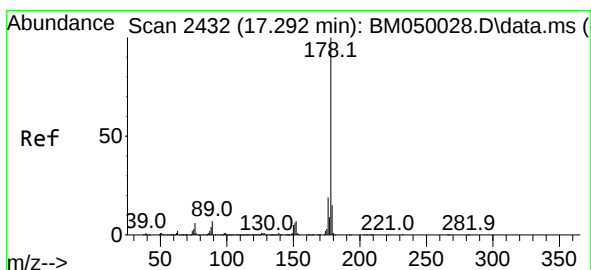
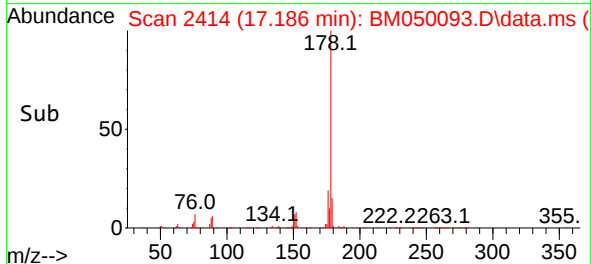
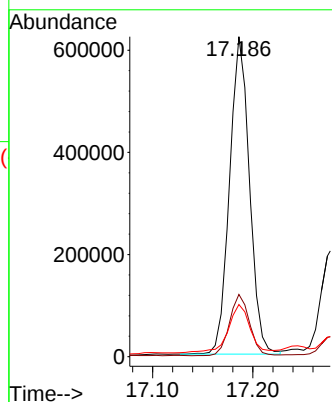
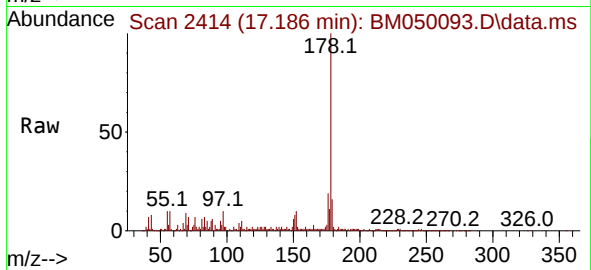
Tgt Ion:178 Resp: 858642

Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

179 16.3 12.4 18.6



#72

Anthracene

Concen: 2.914 ng m

RT: 17.280 min Scan# 2430

Delta R.T. -0.012 min

Lab File: BM050093.D

Acq: 02 May 2025 19:55

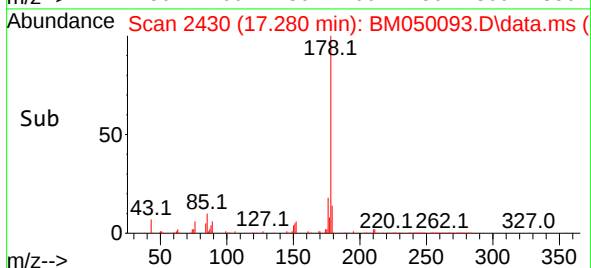
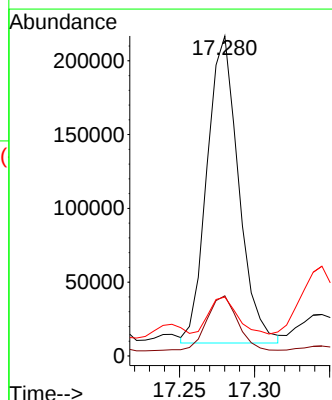
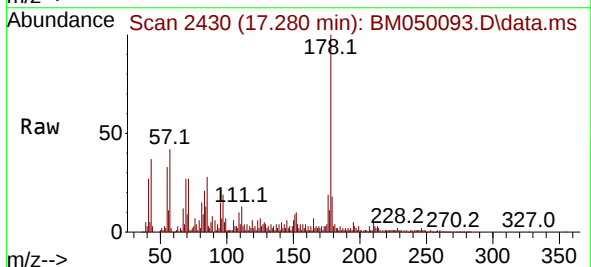
Tgt Ion:178 Resp: 304702

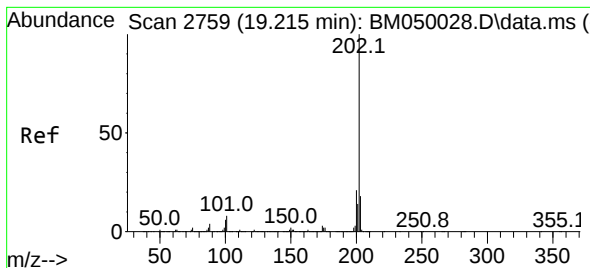
Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

179 18.4 12.2 18.4#

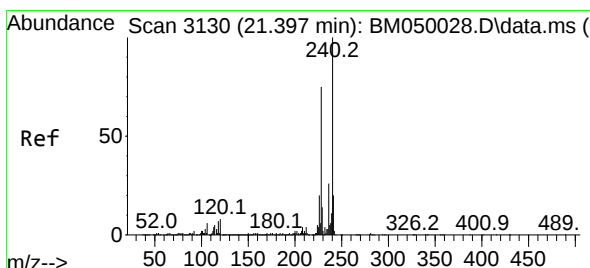
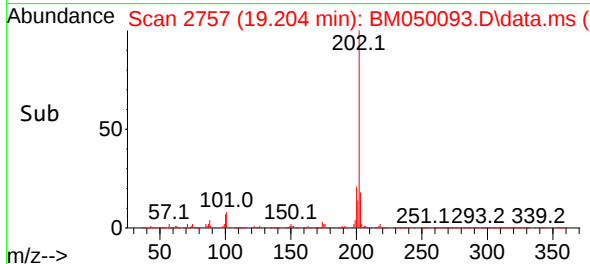
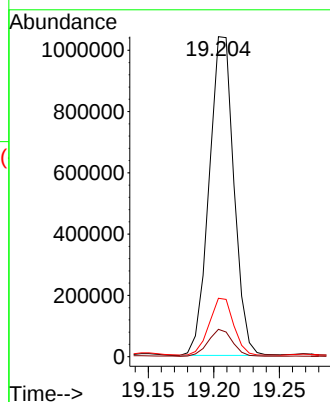
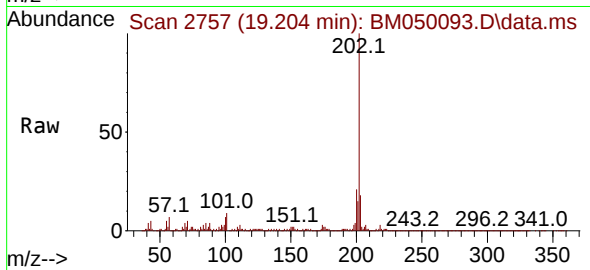




#75
Fluoranthene
Concen: 11.280 ng
RT: 19.204 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050093.D
Acq: 02 May 2025 19:55

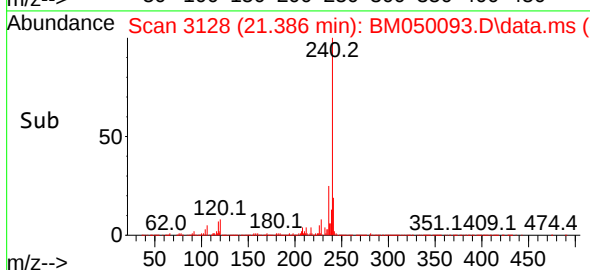
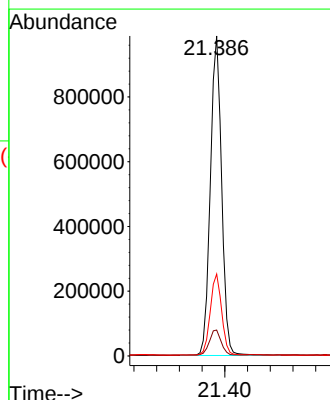
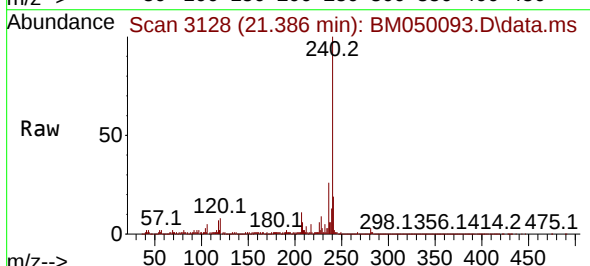
Instrument :
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ClientSampleId :
TR-05-04302025

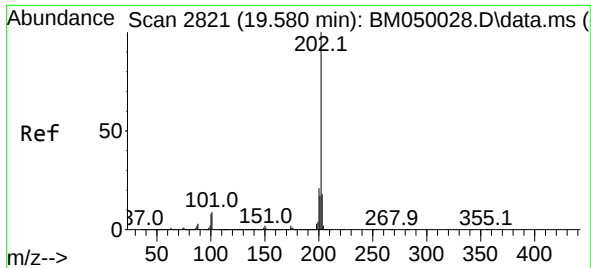
Tgt Ion:202 Resp: 1368523
Ion Ratio Lower Upper
202 100
101 8.5 0.0 28.0
203 18.3 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.011 min
Lab File: BM050093.D
Acq: 02 May 2025 19:55

Tgt Ion:240 Resp: 1349984
Ion Ratio Lower Upper
240 100
120 8.1 6.5 9.7
236 25.6 20.9 31.3

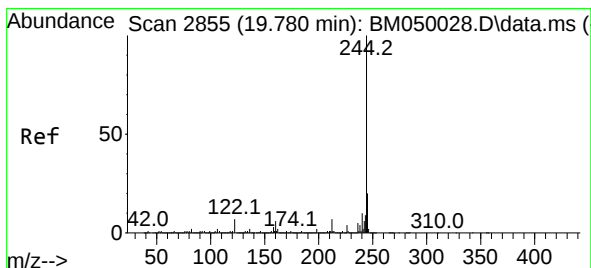
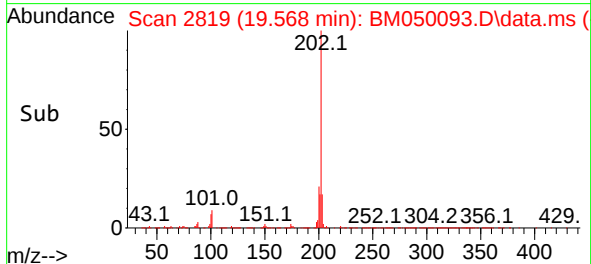
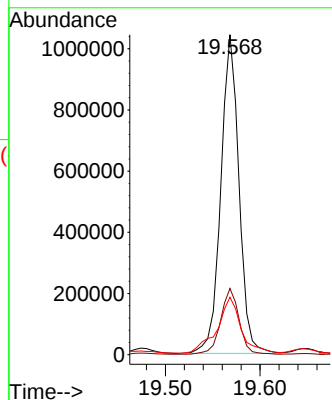
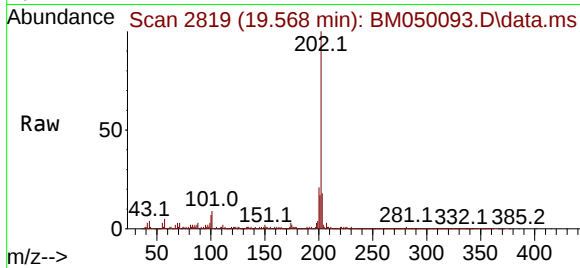




#78
 Pyrene
 Concen: 14.652 ng
 RT: 19.568 min Scan# 2821
 Delta R.T. -0.012 min
 Lab File: BM050093.D
 Acq: 02 May 2025 19:55

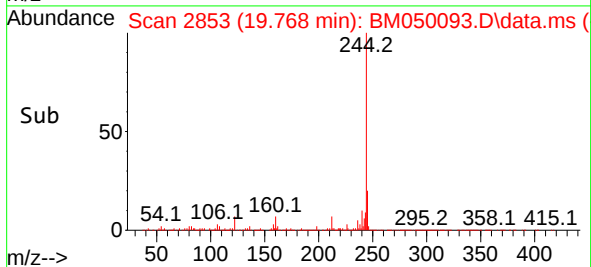
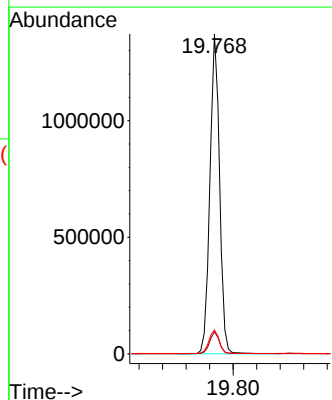
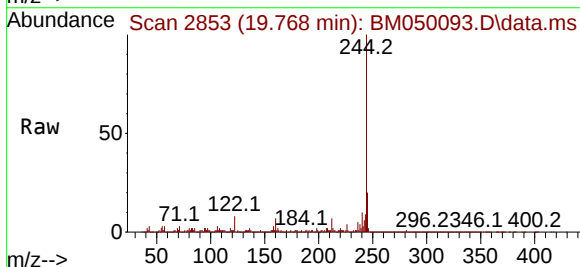
Instrument :
 BNA_M
 ClientSampleId :
 TR-05-04302025

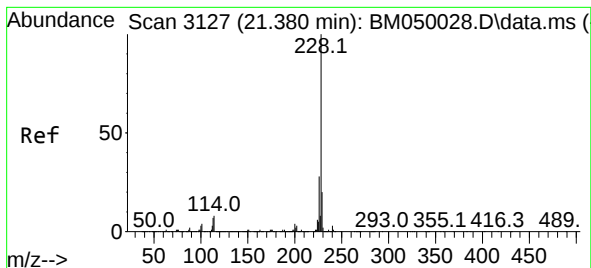
Tgt Ion:202 Resp: 1389008
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.7 25.1
 203 17.9 14.1 21.1



#79
 Terphenyl-d14
 Concen: 17.181 ng
 RT: 19.768 min Scan# 2853
 Delta R.T. -0.012 min
 Lab File: BM050093.D
 Acq: 02 May 2025 19:55

Tgt Ion:244 Resp: 1567449
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 7.5 5.6 8.4





#81

Benzo(a)anthracene

Concen: 7.202 ng

RT: 21.368 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM050093.D

Acq: 02 May 2025 19:55

Instrument :

BNA_M

ClientSampleId :

TR-05-04302025

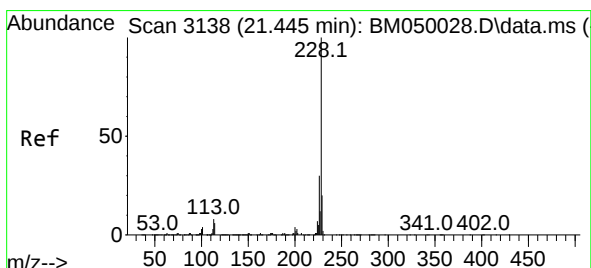
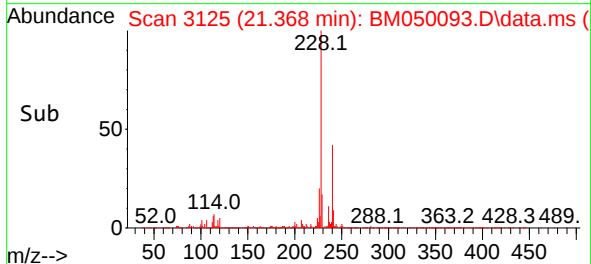
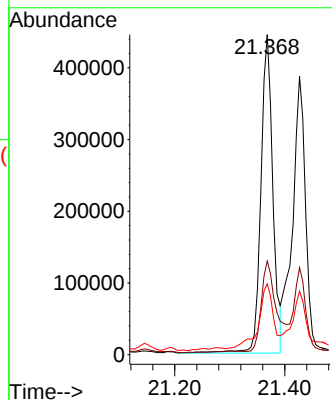
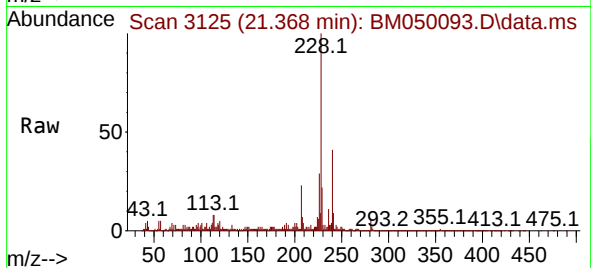
Tgt Ion:228 Resp: 669509

Ion Ratio Lower Upper

228 100

226 29.3 22.1 33.1

229 22.2 15.7 23.5



#83

Chrysene

Concen: 7.422 ng

RT: 21.427 min Scan# 3135

Delta R.T. -0.018 min

Lab File: BM050093.D

Acq: 02 May 2025 19:55

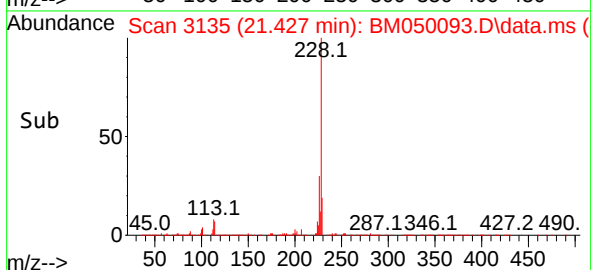
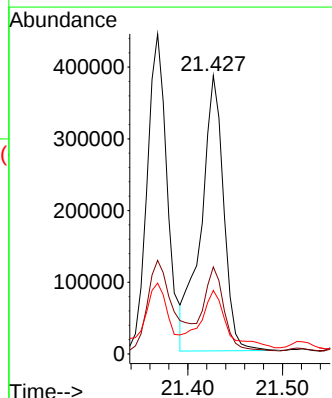
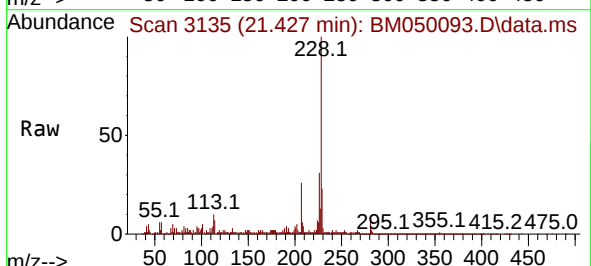
Tgt Ion:228 Resp: 638608

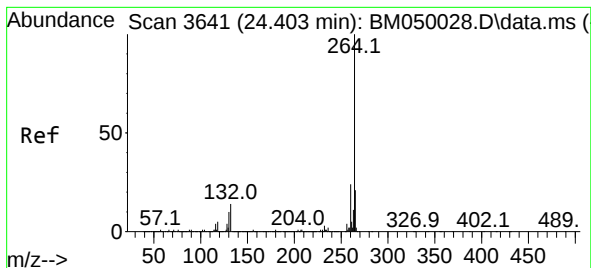
Ion Ratio Lower Upper

228 100

226 31.3 24.2 36.2

229 22.8 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.380 min Scan# 3

Delta R.T. -0.024 min

Lab File: BM050093.D

Acq: 02 May 2025 19:55

Instrument :

BNA_M

ClientSampleId :

TR-05-04302025

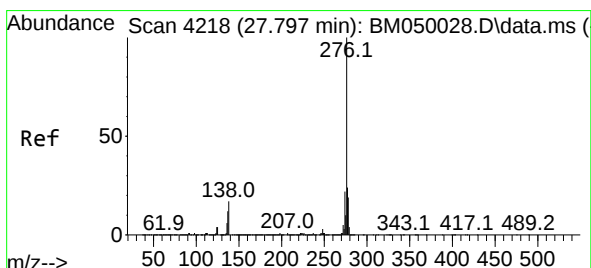
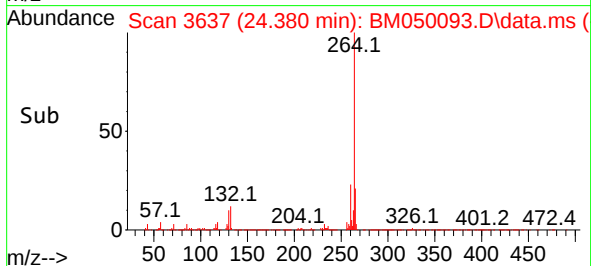
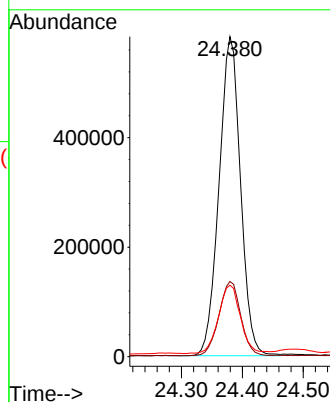
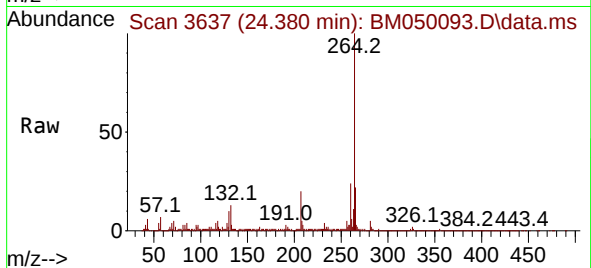
Tgt Ion:264 Resp: 1426216

Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

265 22.3 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.643 ng

RT: 27.768 min Scan# 4213

Delta R.T. -0.029 min

Lab File: BM050093.D

Acq: 02 May 2025 19:55

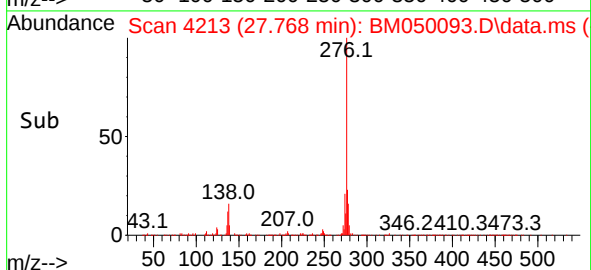
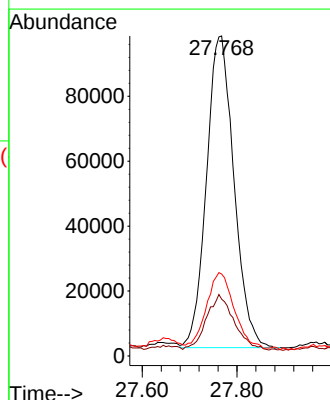
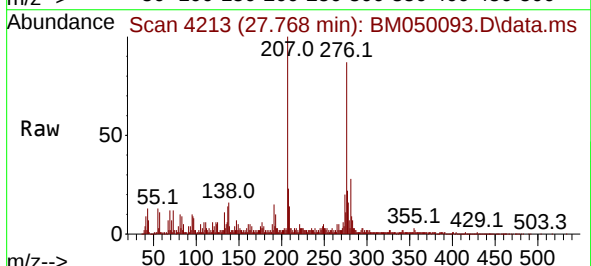
Tgt Ion:276 Resp: 387174

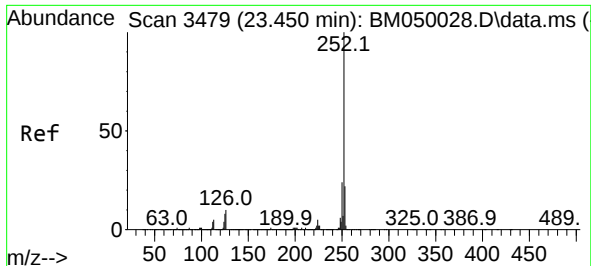
Ion Ratio Lower Upper

276 100

138 17.9 16.4 24.6

277 24.3 19.8 29.8

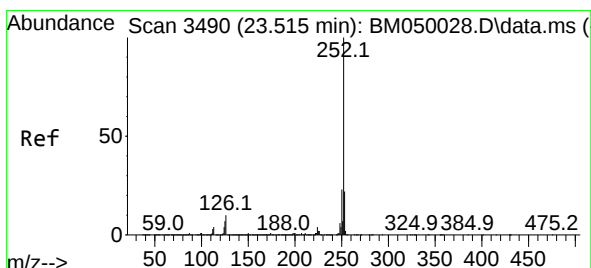
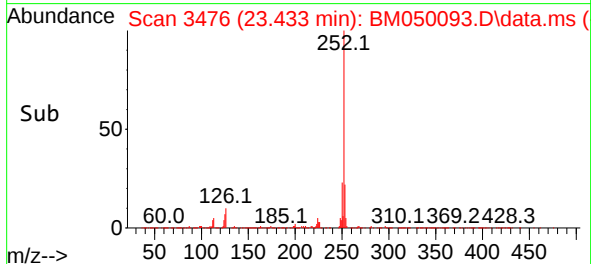
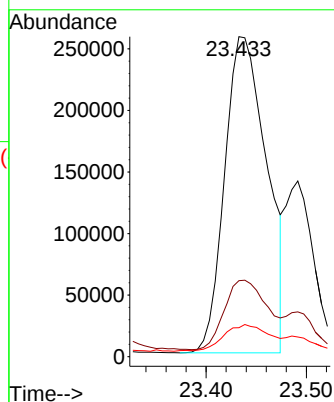
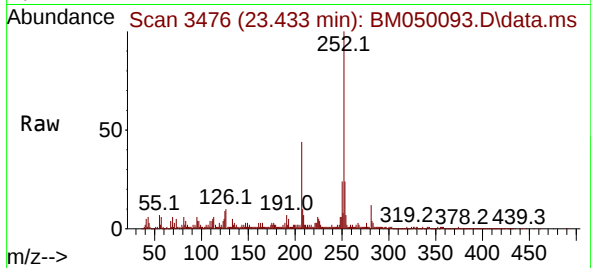




#88
Benzo(b)fluoranthene
Concen: 8.087 ng
RT: 23.433 min Scan# 3479
Delta R.T. -0.018 min
Lab File: BM050093.D
Acq: 02 May 2025 19:55

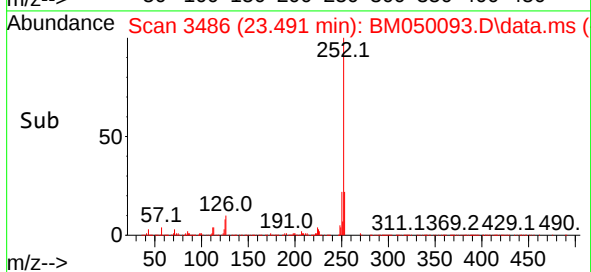
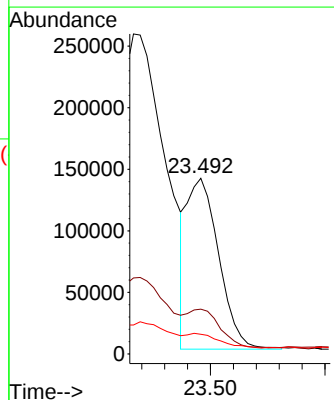
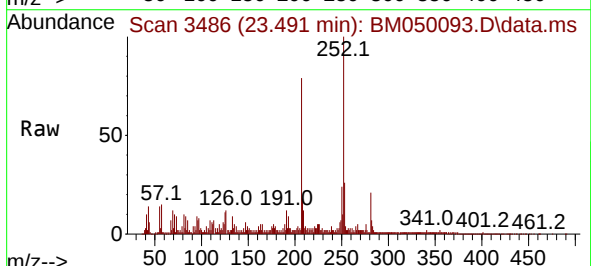
Instrument :
BNA_M
ClientSampleId :
TR-05-04302025

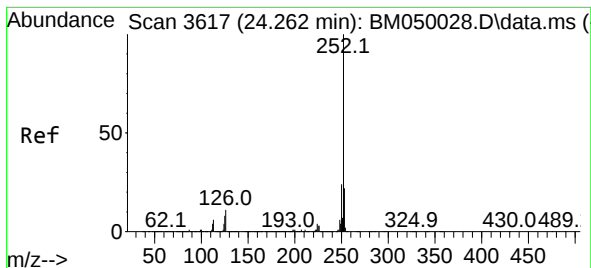
Tgt Ion:252 Resp: 750085
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 9.1 6.1 9.1



#89
Benzo(k)fluoranthene
Concen: 2.857 ng m
RT: 23.491 min Scan# 3486
Delta R.T. -0.023 min
Lab File: BM050093.D
Acq: 02 May 2025 19:55

Tgt Ion:252 Resp: 268083
Ion Ratio Lower Upper
252 100
253 25.5 17.4 26.2
125 11.2 5.8 8.8#





#90

Benzo(a)pyrene

Concen: 6.827 ng

RT: 24.238 min Scan# 3

Delta R.T. -0.024 min

Lab File: BM050093.D

Acq: 02 May 2025 19:55

Instrument :

BNA_M

ClientSampleId :

TR-05-04302025

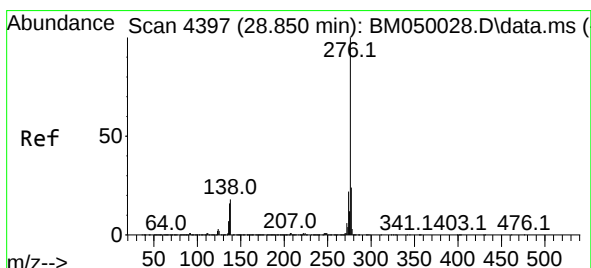
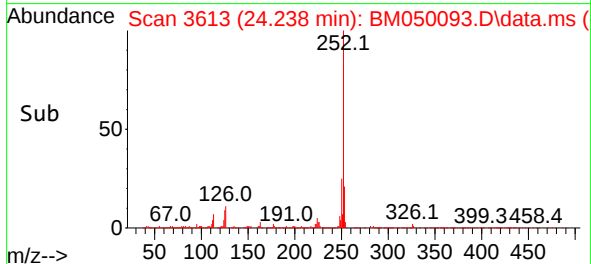
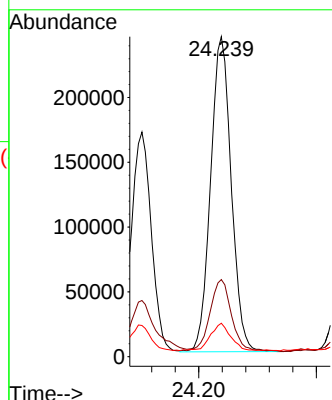
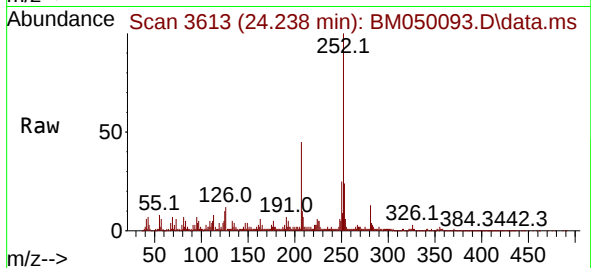
Tgt Ion:252 Resp: 593061

Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.0

125 10.4 6.6 9.8#



#92

Benzo(g,h,i)perylene

Concen: 4.941 ng

RT: 28.821 min Scan# 4392

Delta R.T. -0.029 min

Lab File: BM050093.D

Acq: 02 May 2025 19:55

Tgt Ion:276 Resp: 409804

Ion Ratio Lower Upper

276 100

277 26.0 19.1 28.7

138 19.2 14.3 21.5

