

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
 Data File : BM050093.D
 Acq On : 02 May 2025 19:55
 Operator : RC/JU
 Sample : Q1935-05
 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)

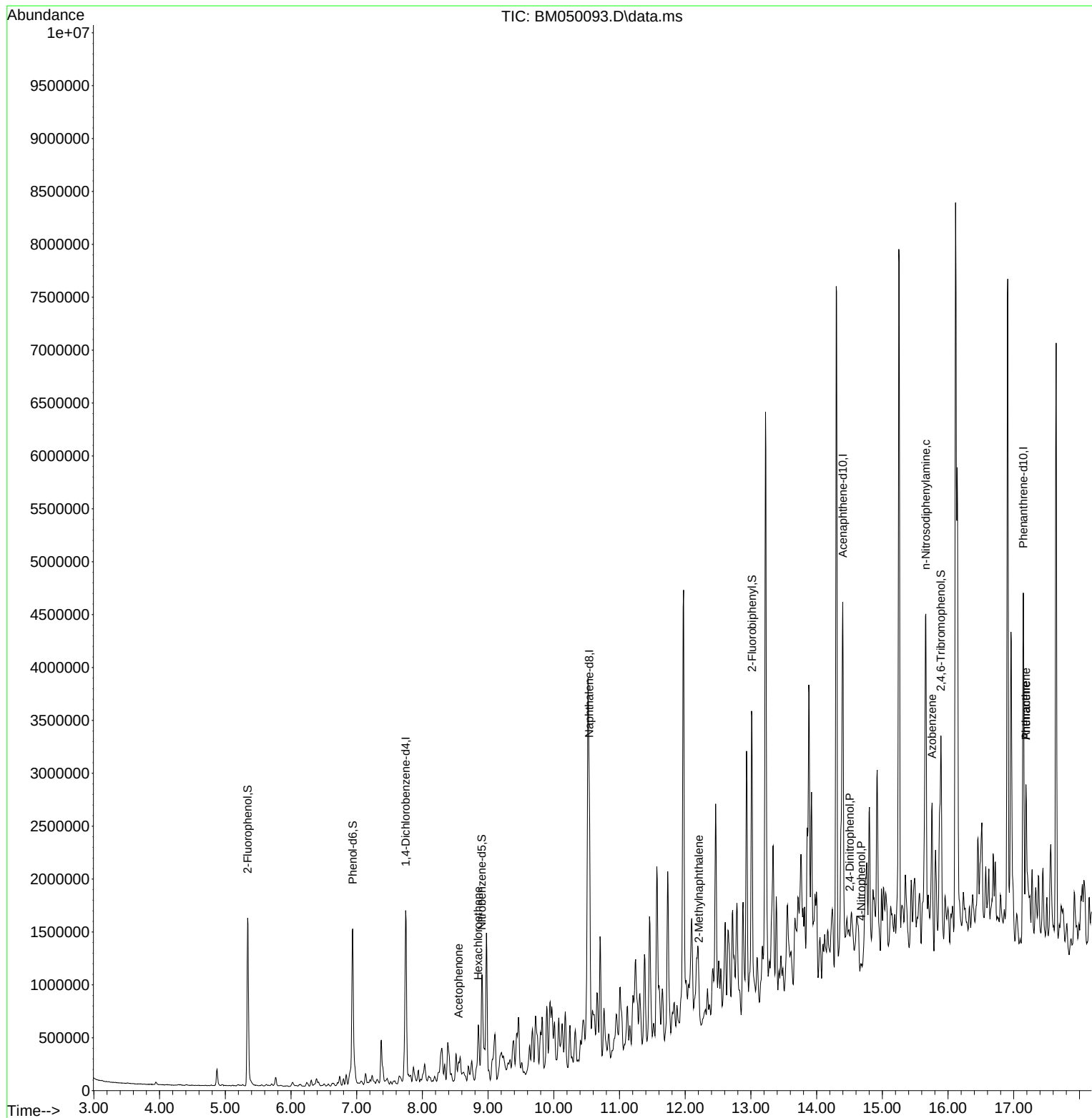
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	484938	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1769410	20.000	ng	-0.02
39) Acenaphthene-d10	14.398	164	1069480	20.000	ng	-0.01
64) Phenanthrene-d10	17.145	188	1832185	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	1349984	20.000	ng	-0.01
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
18) Hexachloroethane	8.851	117	35527	2.750	ng	# 1
22) Acetophenone	8.551	105	98754	2.245	ng	# 59
37) 2-Methylnaphthalene	12.210	142	134183	2.234	ng	96
54) 2,4-Dinitrophenol	14.504	184	535	5.791	ng	# 1
56) 4-Nitrophenol	14.680	139	2142	4.694	ng	# 1
63) Azobenzene	15.757	77	164672	2.668	ng	# 1
66) n-Nitrosodiphenylamine	15.663	169	121270	2.155	ng	# 57
71) Phenanthrene	17.186	178	858642	8.309	ng	99
72) Anthracene	17.186	178	858642	8.211	ng	98
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	23.433	252	750085	7.995	ng	# 96
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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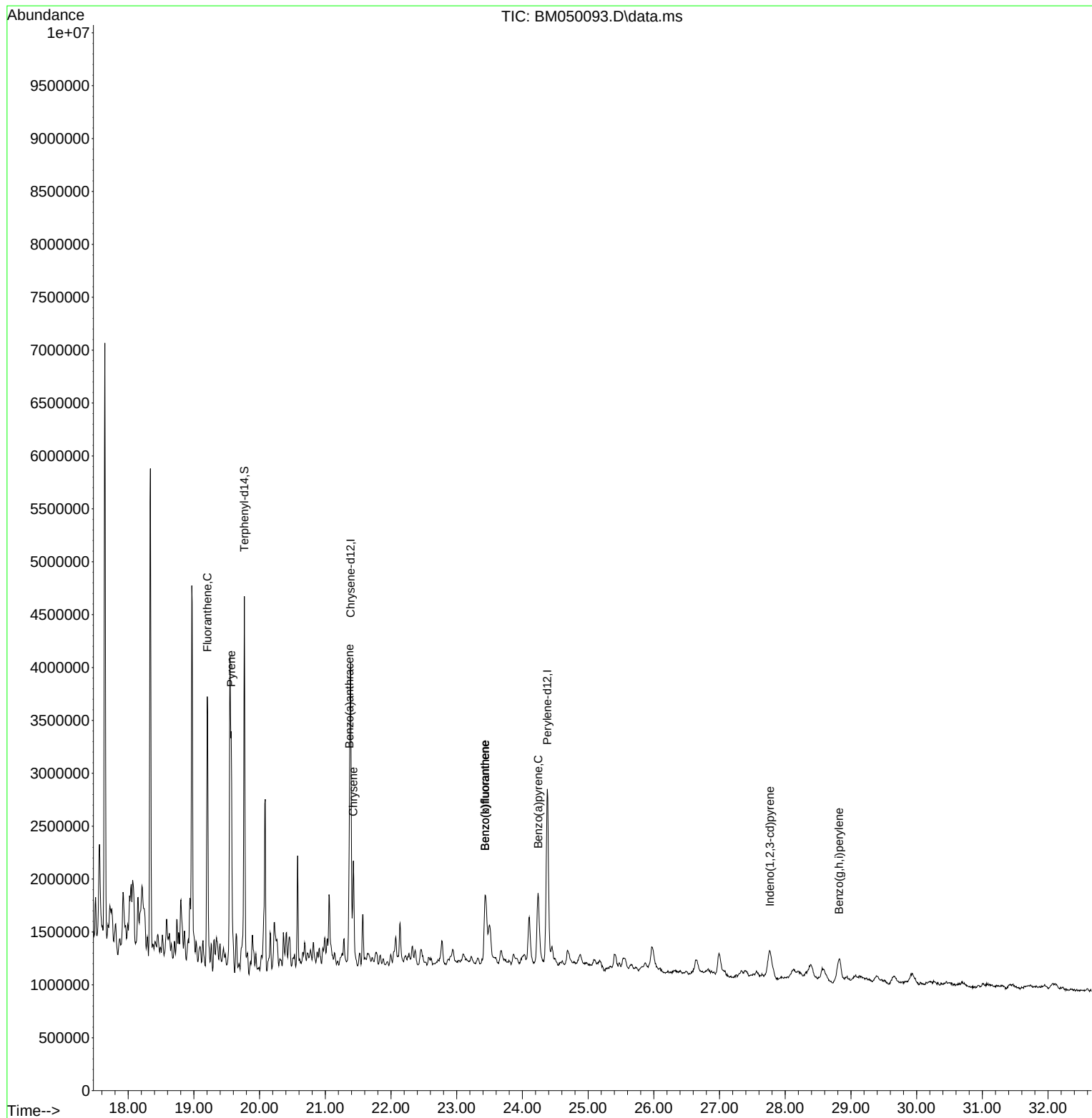
Quant Time: May 02 23:58:59 2025
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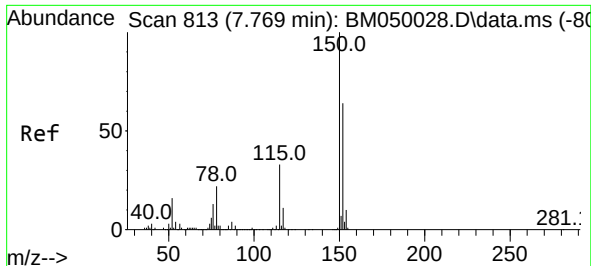


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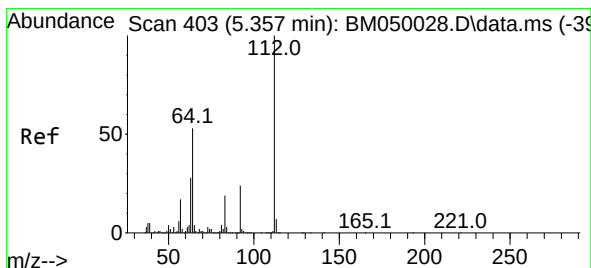
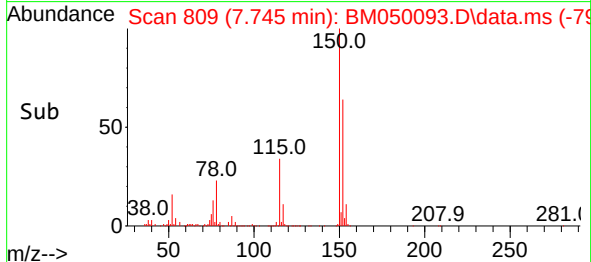
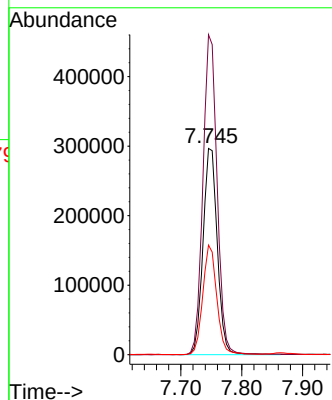
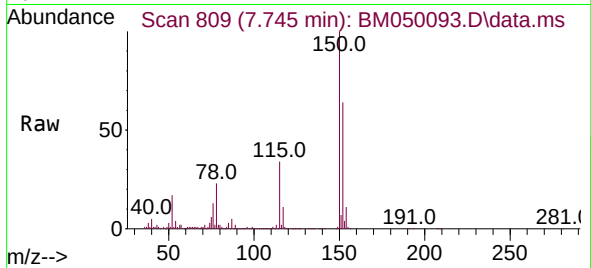




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.024 min
Lab File: BM050093.D
Acq: 02 May 2025 19:55

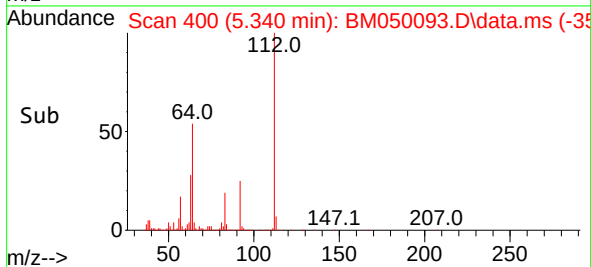
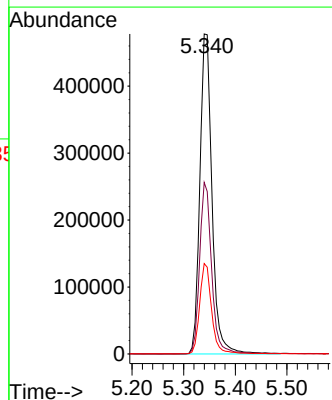
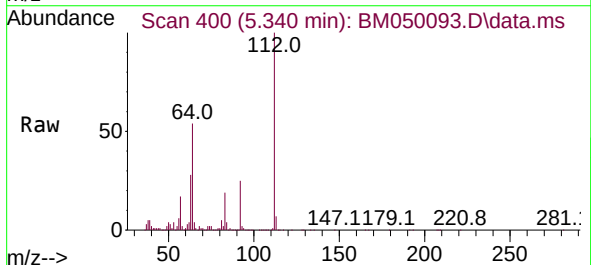
Instrument :
BNA_M
ClientSampleId :
TR-05-04302025

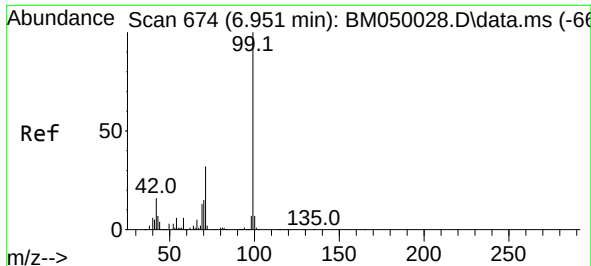
Tgt Ion:152 Resp: 484938
Ion Ratio Lower Upper
152 100
150 155.2 124.1 186.1
115 53.1 41.2 61.8



#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

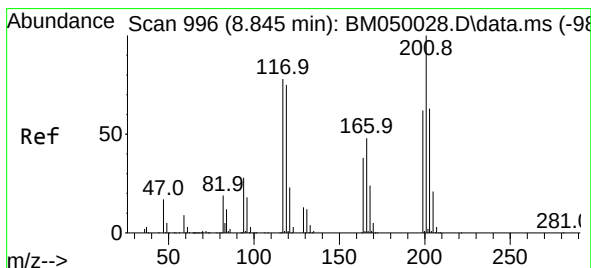
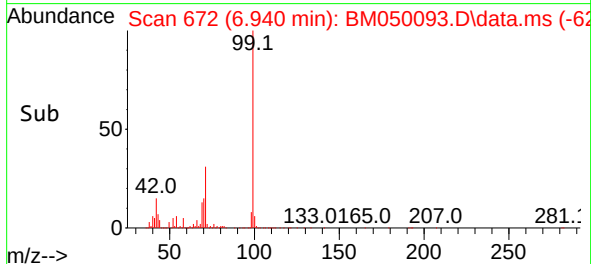
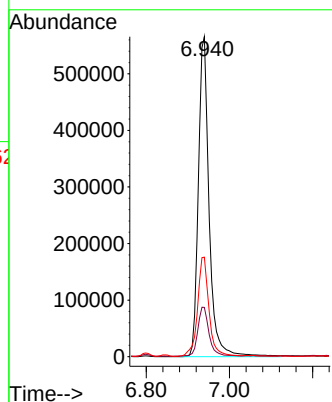
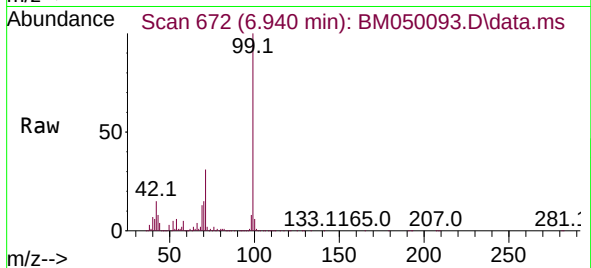




#7
Phenol-d6
Concen: 29.263 ng
RT: 6.940 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM050093.D
Acq: 02 May 2025 19:55

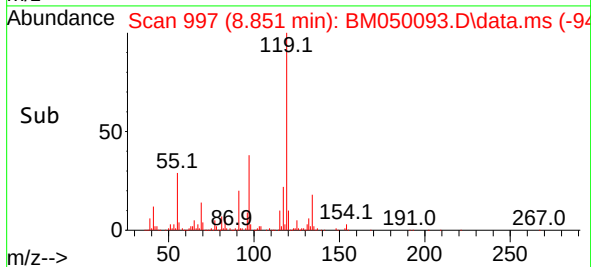
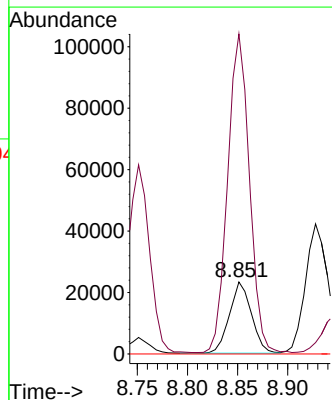
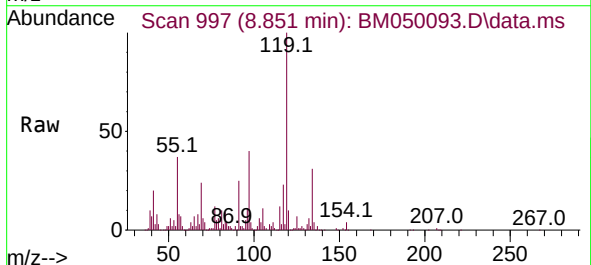
Instrument :
BNA_M
ClientSampleId :
TR-05-04302025

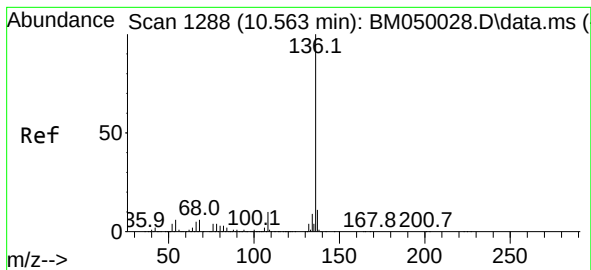
Tgt Ion: 99 Resp: 1018584
Ion Ratio Lower Upper
99 100
42 15.4 13.0 19.4
71 31.1 25.6 38.4



#18
Hexachloroethane
Concen: 2.750 ng
RT: 8.851 min Scan# 997
Delta R.T. 0.006 min
Lab File: BM050093.D
Acq: 02 May 2025 19:55

Tgt Ion: 117 Resp: 35527
Ion Ratio Lower Upper
117 100
119 444.1 77.3 115.9#
201 0.0 102.8 154.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.539 min Scan# 1

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:136 Resp: 1769410

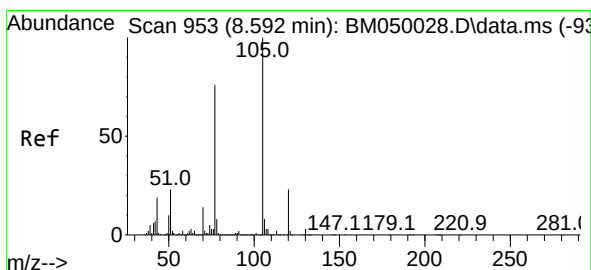
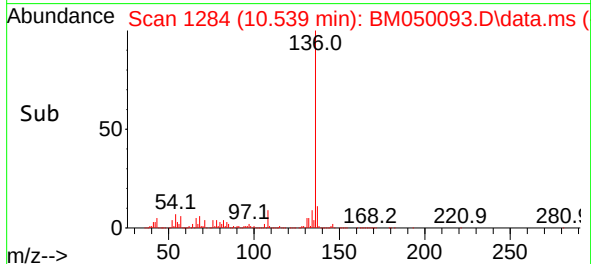
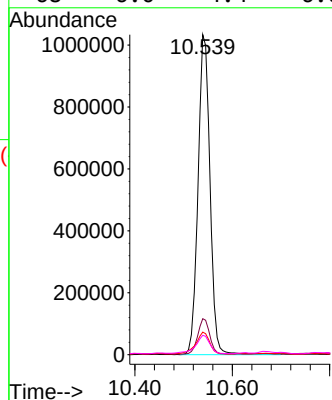
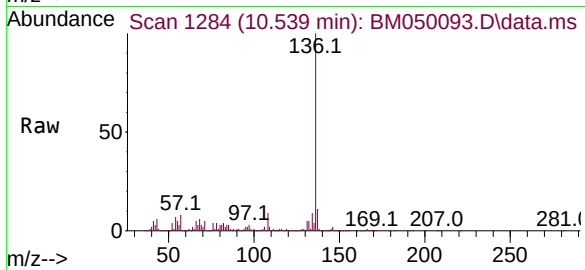
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.0 5.1 7.7

68 6.0 4.4 6.6



#22

Acetophenone

Concen: 2.245 ng

RT: 8.551 min Scan# 946

Delta R.T. -0.041 min

Lab File: BM050093.D

Acq: 02 May 2025 19:55

Tgt Ion:105 Resp: 98754

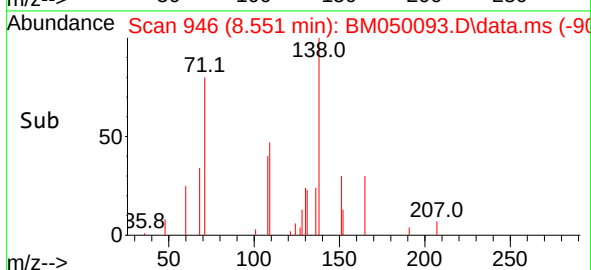
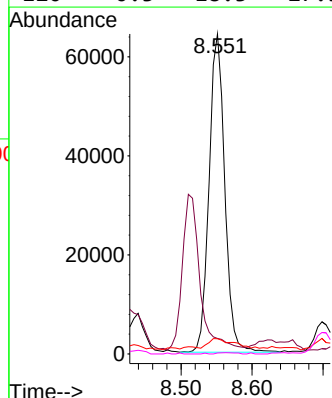
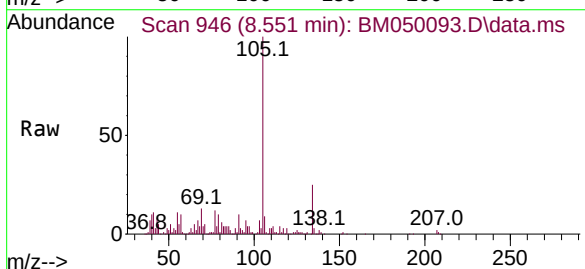
Ion Ratio Lower Upper

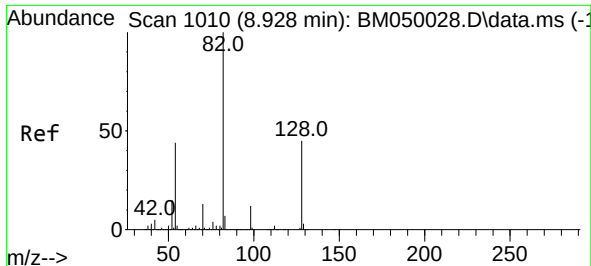
105 100

71 4.8 1.7 2.5#

51 4.8 18.6 27.8#

120 0.3 18.3 27.5#

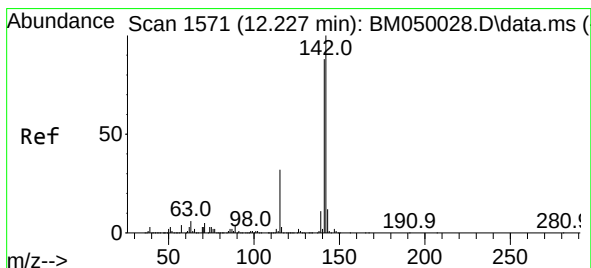
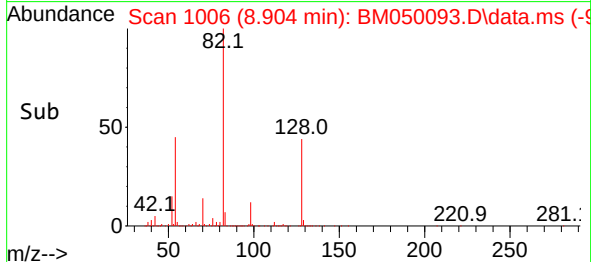
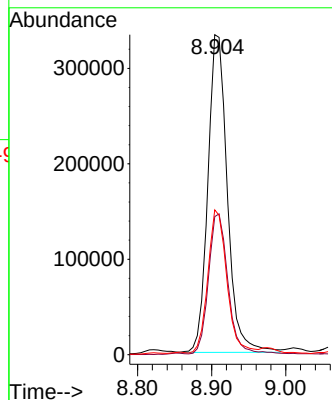
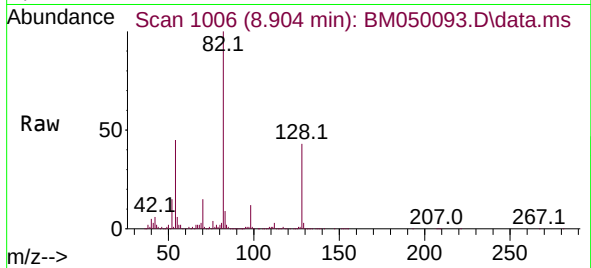




#23
Nitrobenzene-d5
Concen: 16.929 ng
RT: 8.904 min Scan# 1010
Delta R.T. -0.023 min
Lab File: BM050093.D
Acq: 02 May 2025 19:55

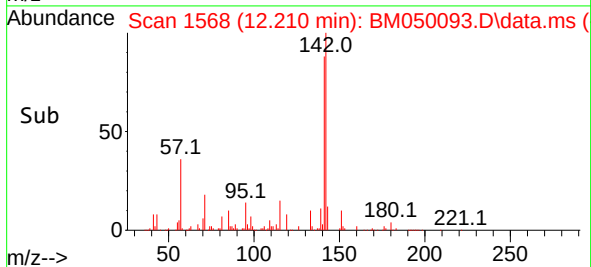
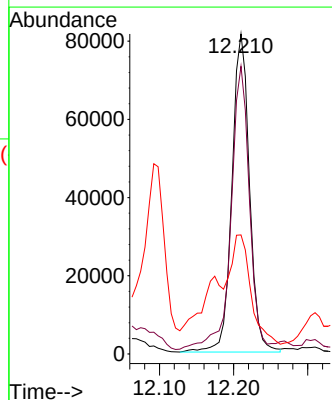
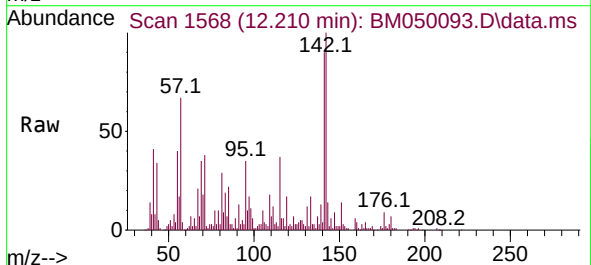
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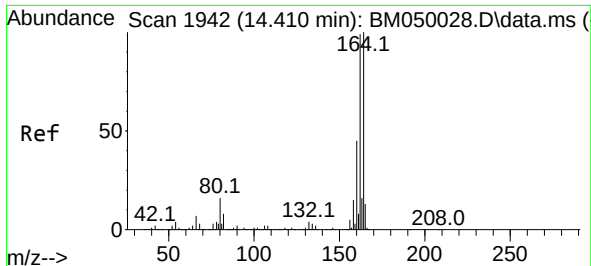
Tgt Ion: 82 Resp: 607880
Ion Ratio Lower Upper
82 100
128 43.2 35.7 53.5
54 45.3 35.4 53.2



#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

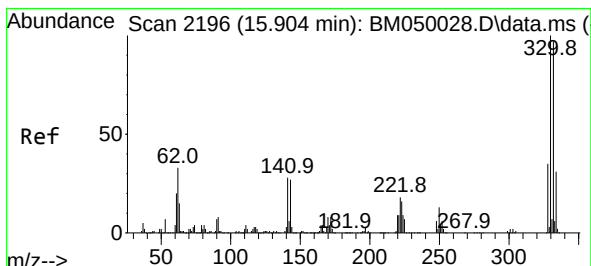
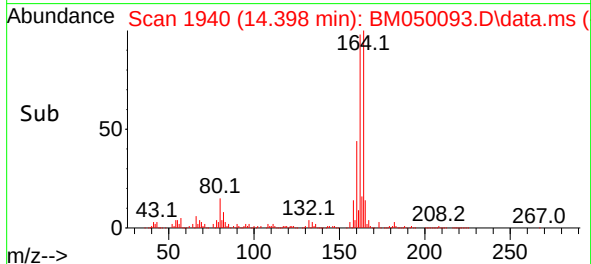
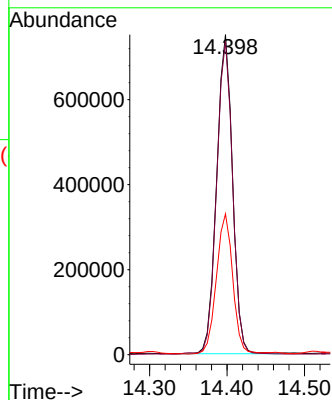
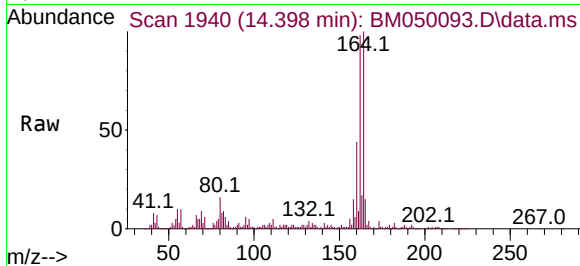




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.398 min Scan# 1940
 Delta R.T. -0.012 min
 Lab File: BM050093.D
 Acq: 02 May 2025 19:55

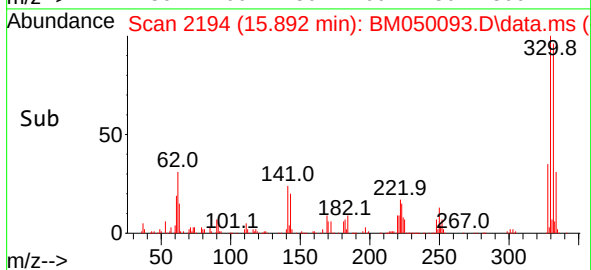
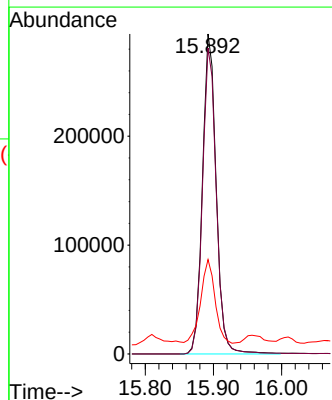
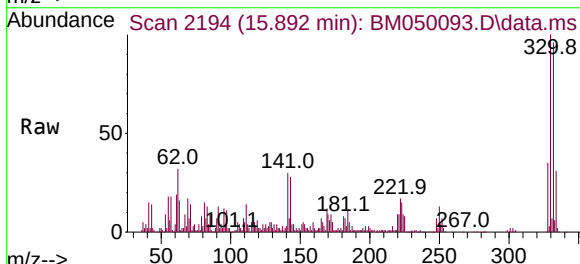
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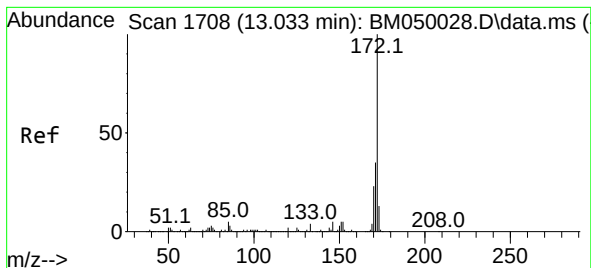
Tgt Ion:164 Resp: 1069480
 Ion Ratio Lower Upper
 164 100
 162 98.0 79.4 119.0
 160 44.0 36.2 54.4



#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 :

BNA_M

ClientSampleId :

TR-05-04302025

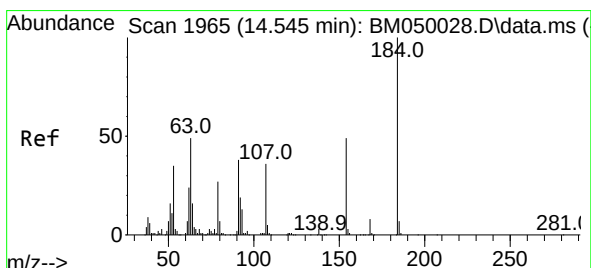
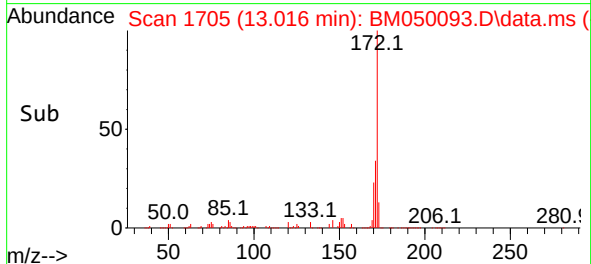
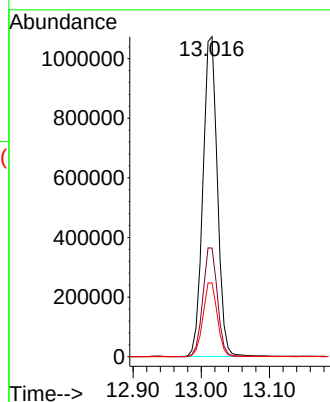
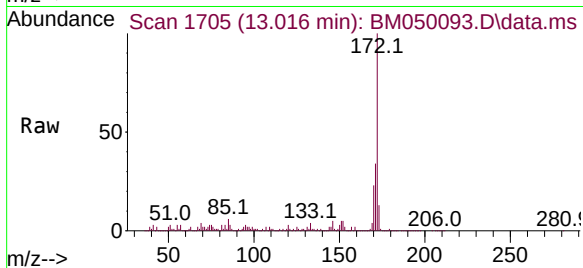
Tgt Ion:172 Resp: 1585767

Ion Ratio Lower Upper

172 100

171 33.9 27.8 41.6

170 23.1 18.6 28.0



#54

2,4-Dinitrophenol

Concen: 5.791 ng

RT: 14.504 min Scan# 1958

Delta R.T. -0.041 min

Lab File: BM050093.D

Acq: 02 May 2025 19:55

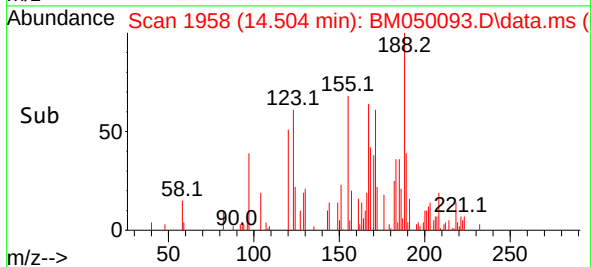
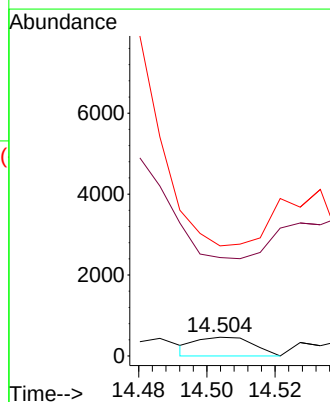
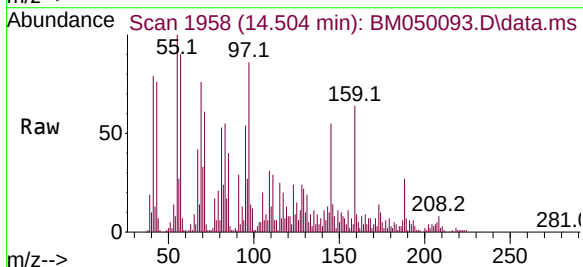
Tgt Ion:184 Resp: 535

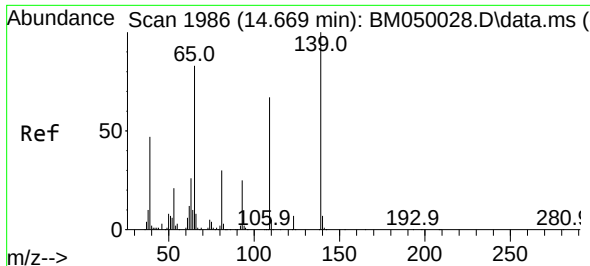
Ion Ratio Lower Upper

184 100

63 522.8 39.8 59.6#

154 584.9 46.1 69.1#

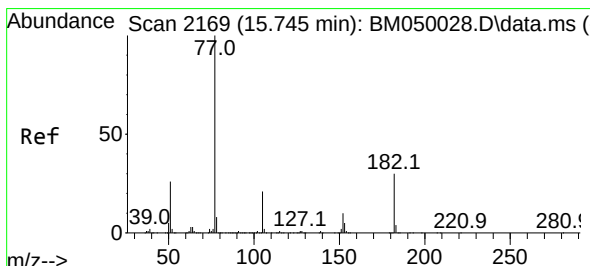
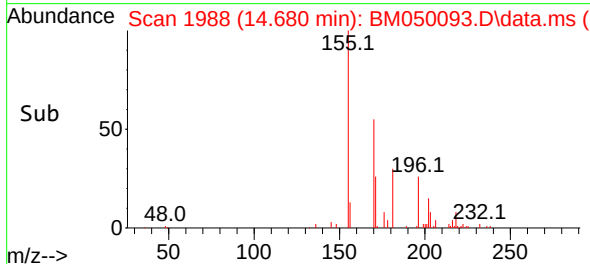
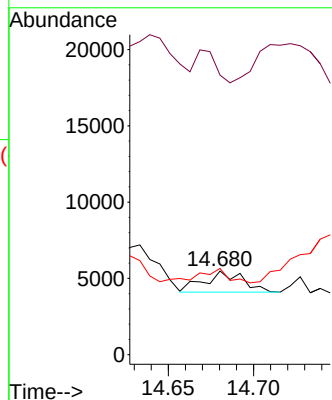
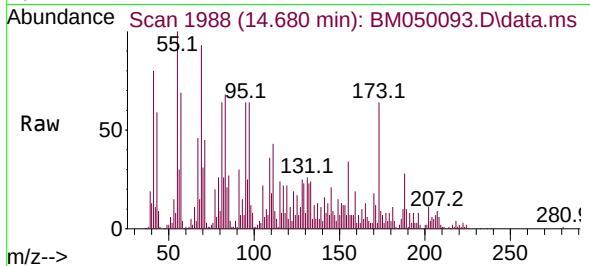




#56
4-Nitrophenol
Concen: 4.694 ng
RT: 14.680 min Scan# 1988
Delta R.T. 0.011 min
Lab File: BM050093.D
Acq: 02 May 2025 19:55

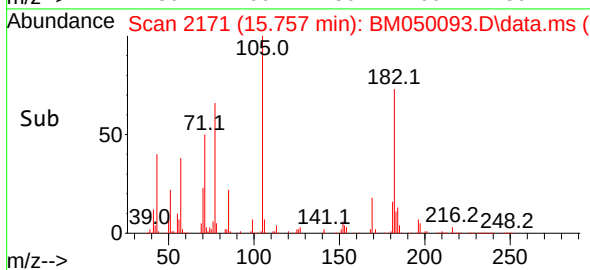
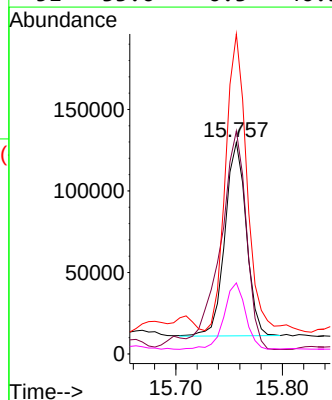
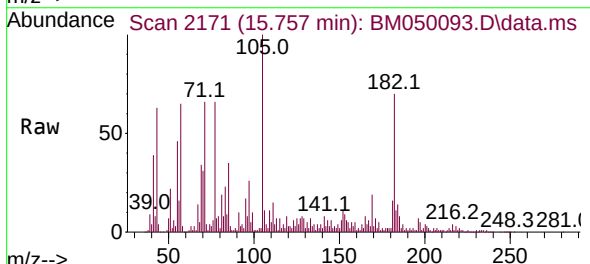
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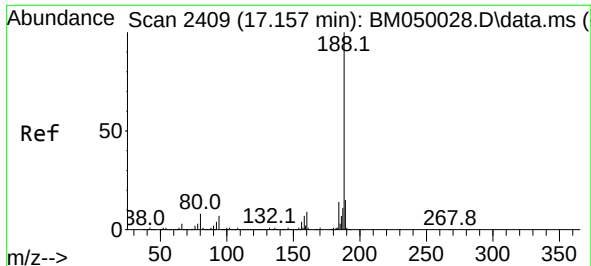
Tgt Ion:139 Resp: 2142
Ion Ratio Lower Upper
139 100
109 333.8 47.0 87.0#
65 103.0 64.3 104.3



#63
Azobenzene
Concen: 2.668 ng
RT: 15.757 min Scan# 2171
Delta R.T. 0.012 min
Lab File: BM050093.D
Acq: 02 May 2025 19:55

Tgt Ion: 77 Resp: 164672
Ion Ratio Lower Upper
77 100
182 105.4 10.5 50.5#
105 151.3 1.1 41.1#
51 33.6 6.3 46.3

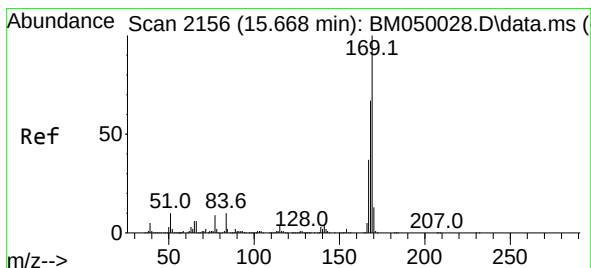
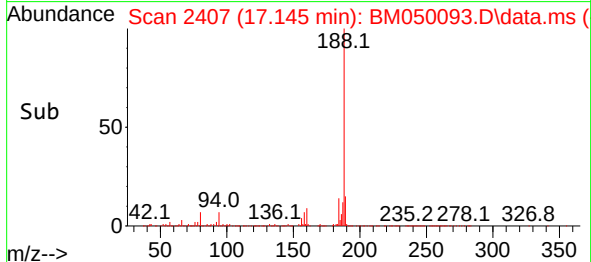
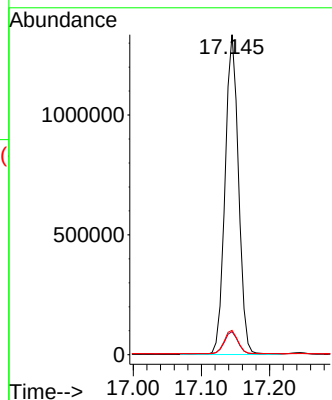
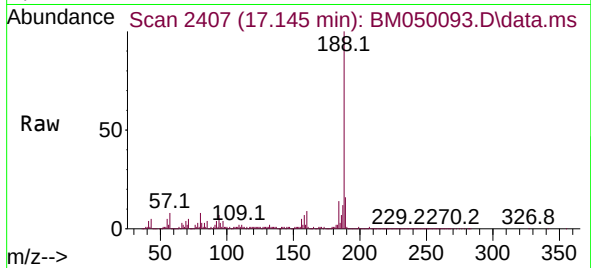




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2409
Delta R.T. -0.012 min
Lab File: BM050093.D
Acq: 02 May 2025 19:55

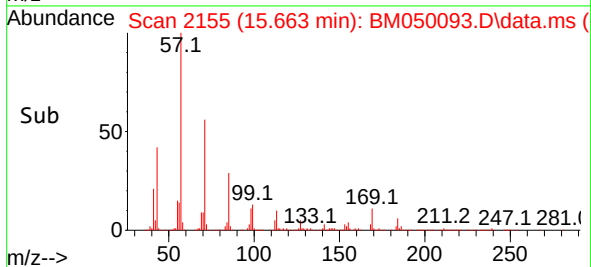
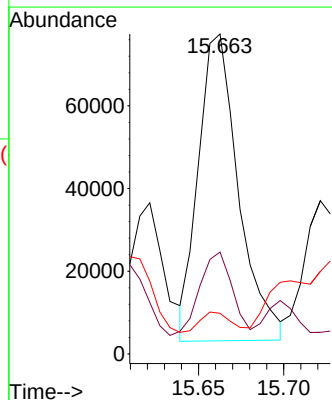
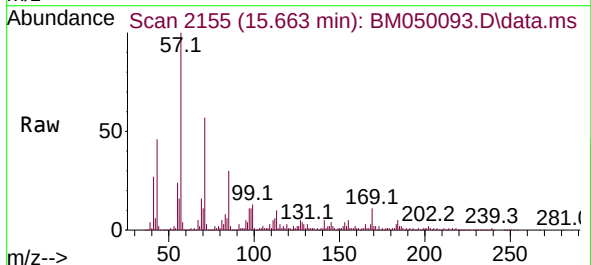
Instrument :
BNA_M
ClientSampleId :
TR-05-04302025

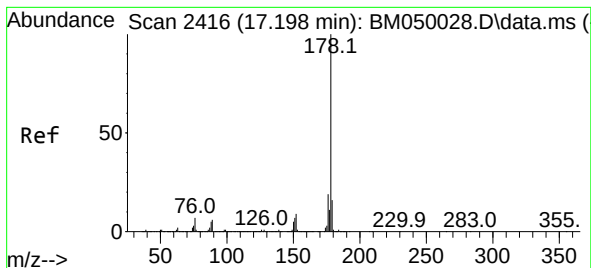
Tgt Ion:188 Resp: 1832185
Ion Ratio Lower Upper
188 100
94 7.2 5.7 8.5
80 7.6 6.2 9.4



#66
n-Nitrosodiphenylamine
Concen: 2.155 ng
RT: 15.663 min Scan# 2155
Delta R.T. -0.006 min
Lab File: BM050093.D
Acq: 02 May 2025 19:55

Tgt Ion:169 Resp: 121270
Ion Ratio Lower Upper
169 100
168 31.8 53.4 80.2#
167 12.7 29.4 44.0#





#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

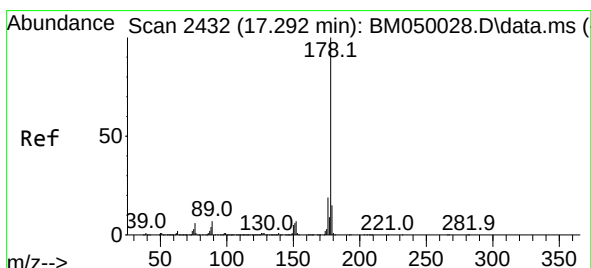
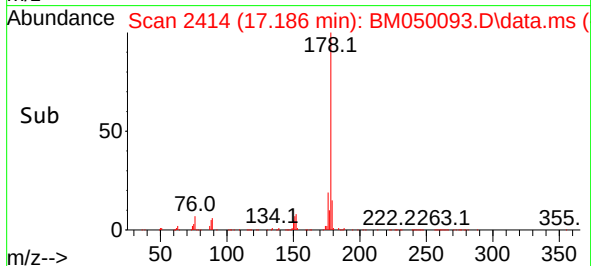
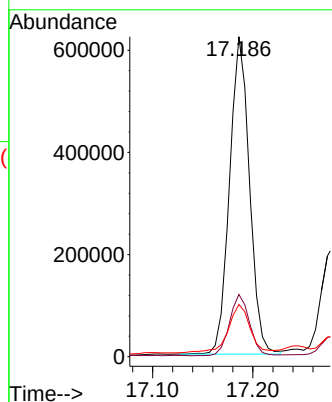
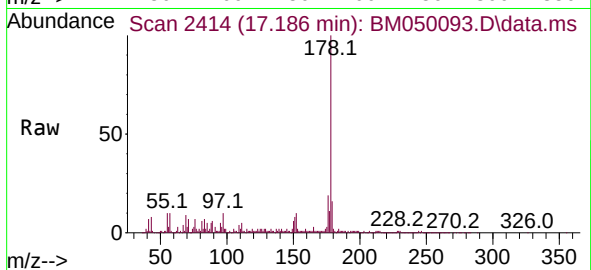
Tgt Ion:178 Resp: 858642

Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

179 16.3 12.4 18.6



#72

Anthracene

Concen: 8.211 ng

RT: 17.186 min Scan# 2414

Delta R.T. -0.106 min

Lab File: BM050093.D

Acq: 02 May 2025 19:55

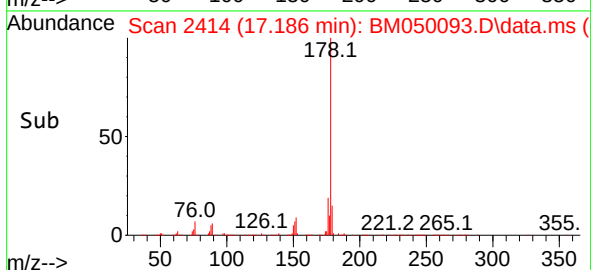
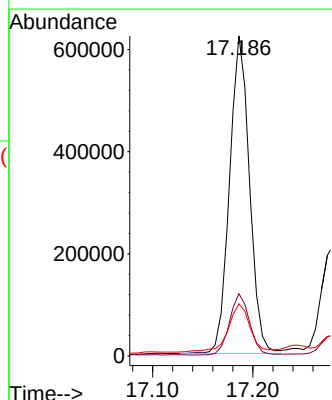
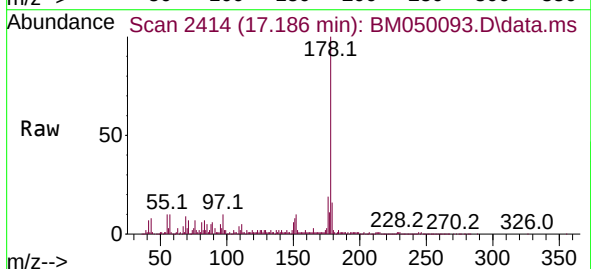
Tgt Ion:178 Resp: 858642

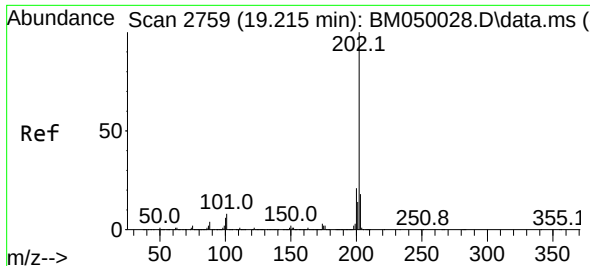
Ion Ratio Lower Upper

178 100

176 19.5 15.0 22.4

179 16.3 12.2 18.4

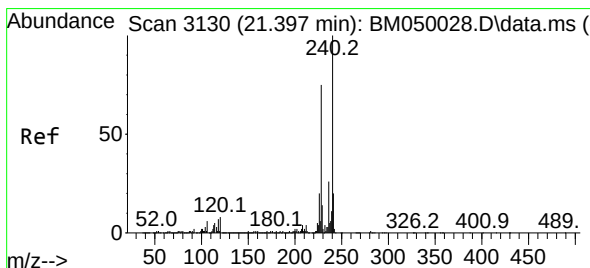
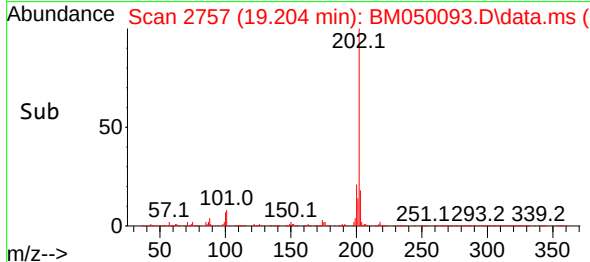
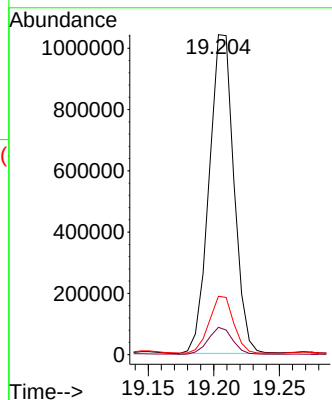
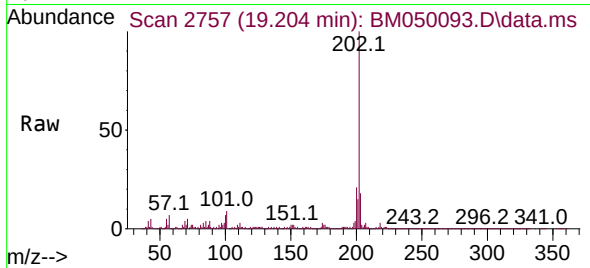




#75
Fluoranthene
Concen: 11.280 ng
RT: 19.204 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050093.D
Acq: 02 May 2025 19:55

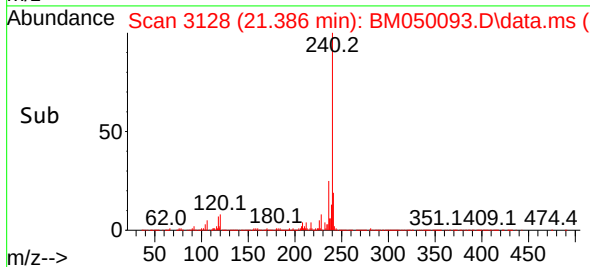
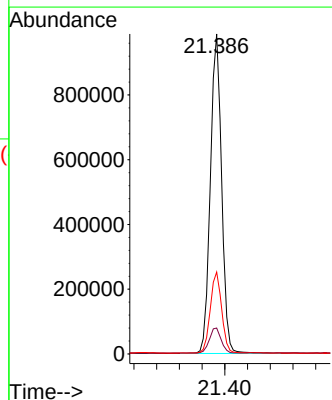
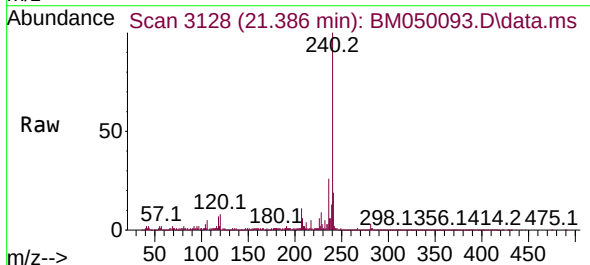
Instrument :
BNA_M
ClientSampleId :
TR-05-04302025

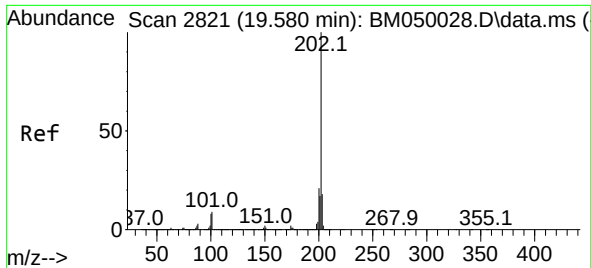
Tgt Ion:202 Resp: 1368523
Ion Ratio Lower Upper
202 100
101 8.5 0.0 28.0
203 18.3 0.0 37.7



#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

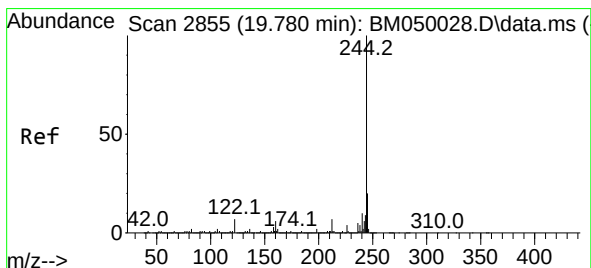
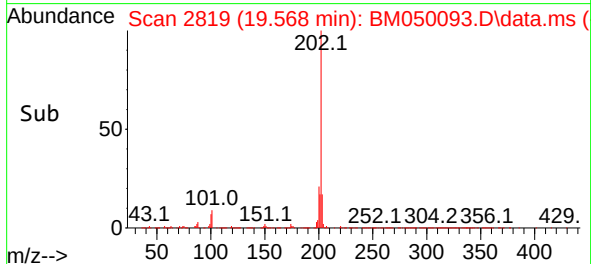
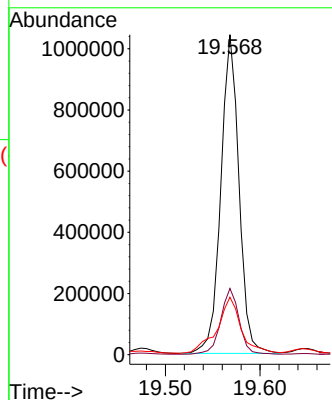
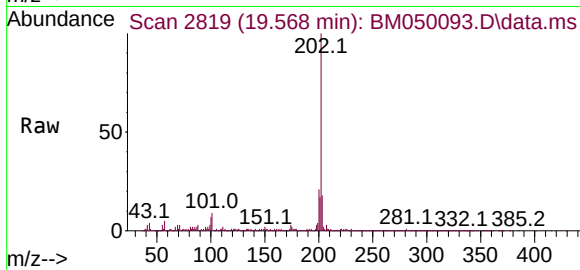




#78
 Pyrene
 Concen: 14.652 ng
 RT: 19.568 min Scan# 2821
 Delta R.T. -0.012 min
 Lab File: BM050093.D
 Acq: 02 May 2025 19:55

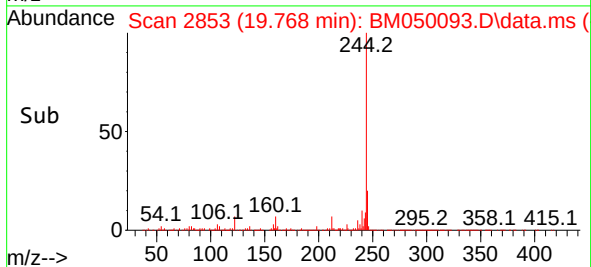
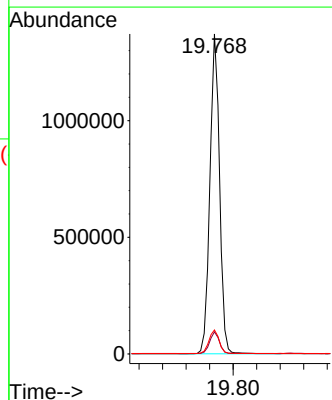
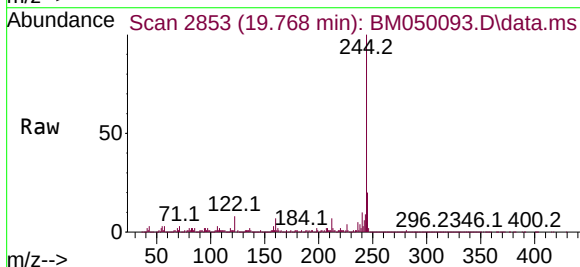
Instrument :
 BNA_M
 ClientSampleId :
 TR-05-04302025

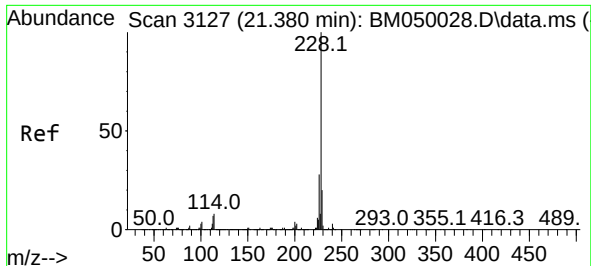
Tgt Ion:202 Resp: 1389008
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.7 25.1
 203 17.9 14.1 21.1



#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

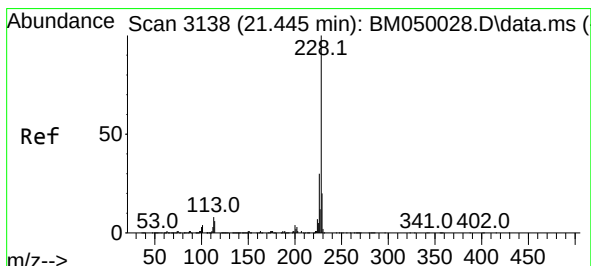
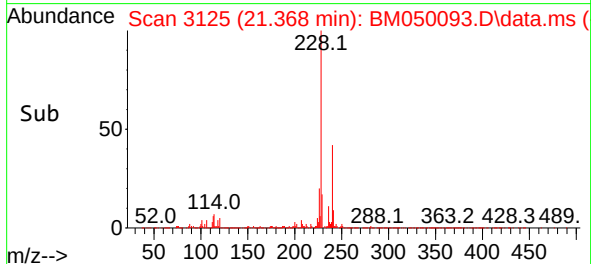
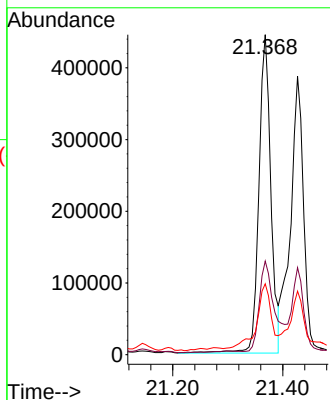
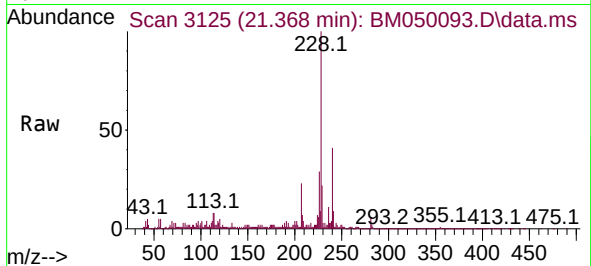




#81
Benzo(a)anthracene
Concen: 7.202 ng
RT: 21.368 min Scan# 3125
Delta R.T. -0.012 min
Lab File: BM050093.D
Acq: 02 May 2025 19:55

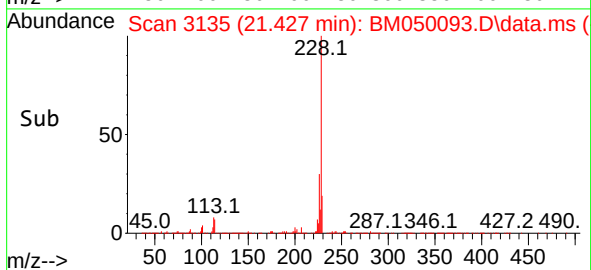
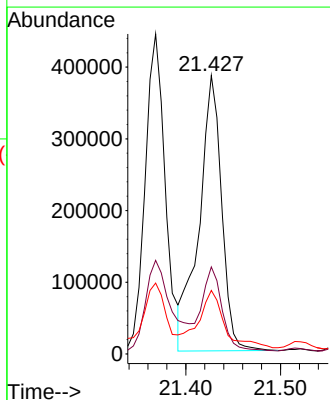
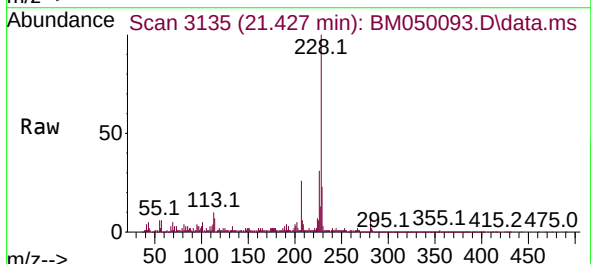
Instrument :
BNA_M
ClientSampleId :
TR-05-04302025

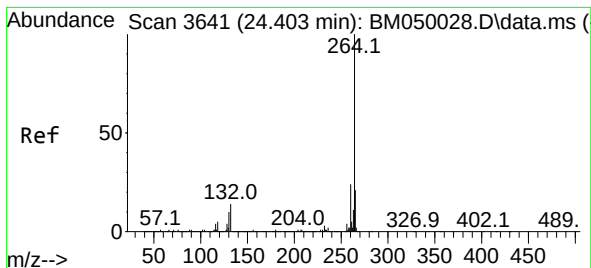
Tgt Ion:228 Resp: 669509
Ion Ratio Lower Upper
228 100
226 29.3 22.1 33.1
229 22.2 15.7 23.5



#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

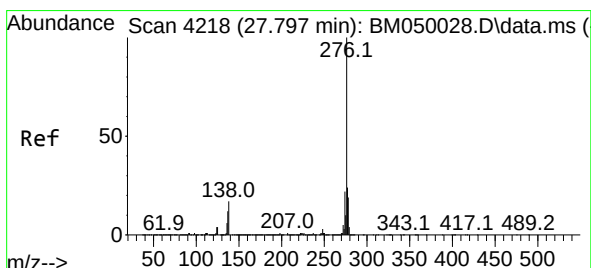
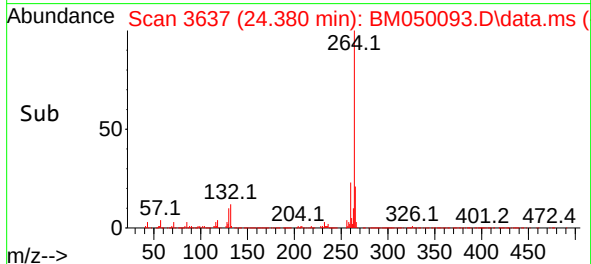
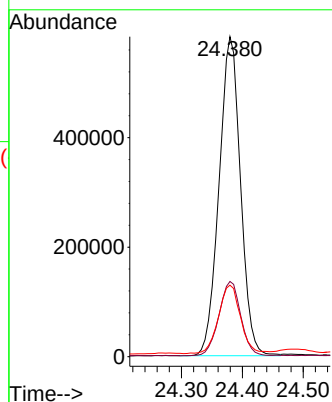
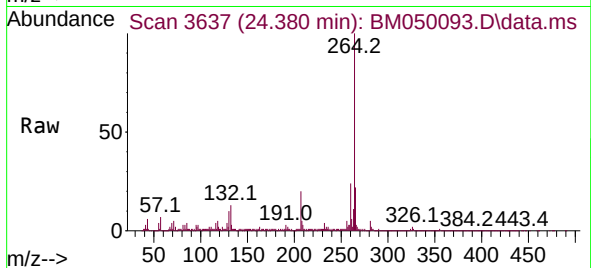
Tgt Ion:264 Resp: 1426216

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

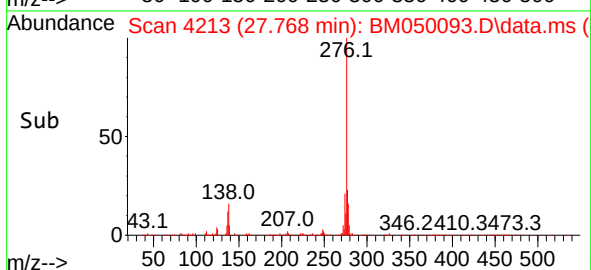
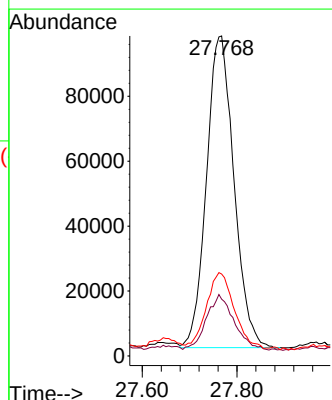
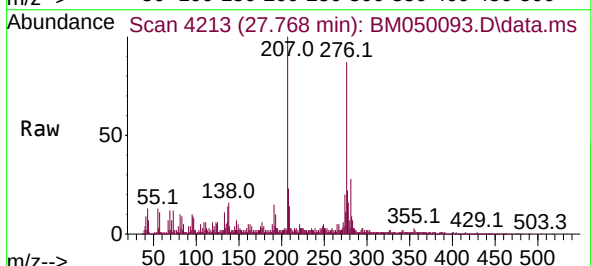
Tgt Ion:276 Resp: 387174

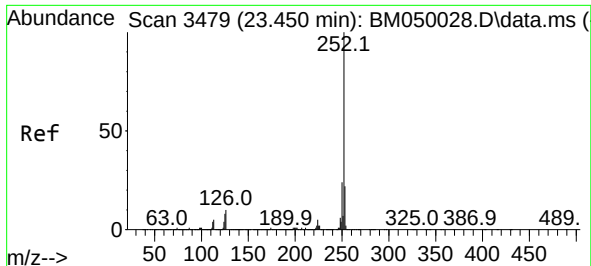
Ion Ratio Lower Upper

276 100

138 17.9 16.4 24.6

277 24.3 19.8 29.8

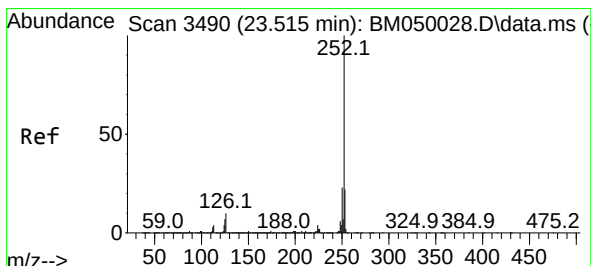
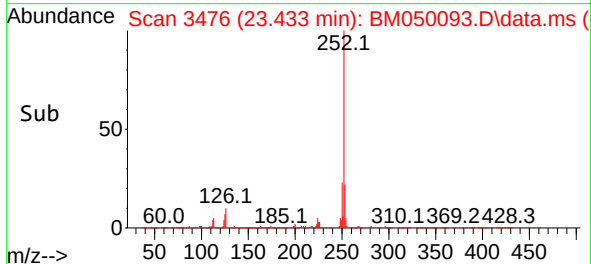
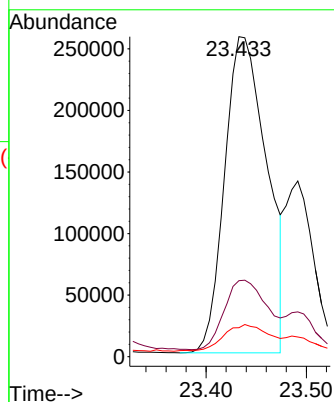
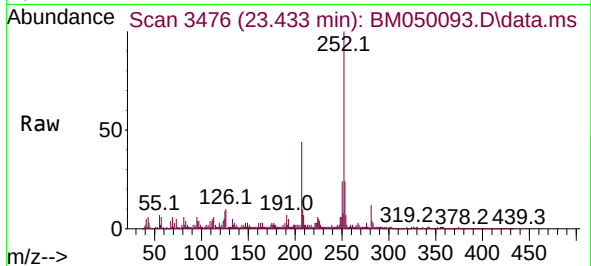




#88
Benzo(b)fluoranthene
Concen: 8.087 ng
RT: 23.433 min Scan# 3476
Delta R.T. -0.018 min
Lab File: BM050093.D
Acq: 02 May 2025 19:55

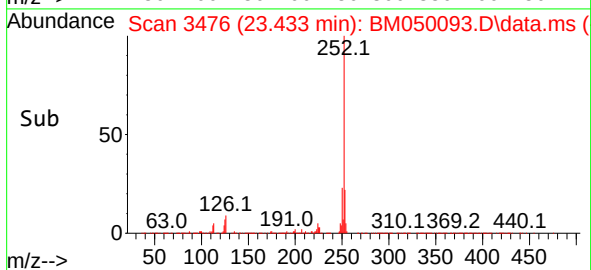
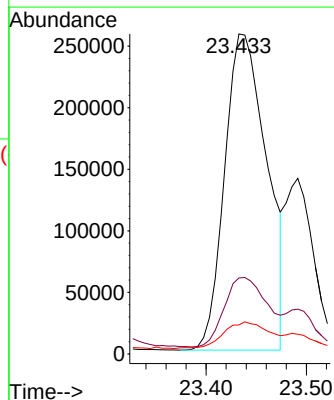
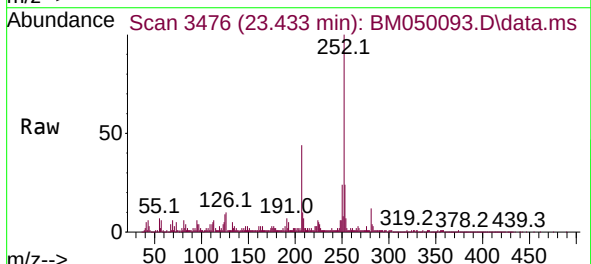
Instrument :
BNA_M
ClientSampleId :
TR-05-04302025

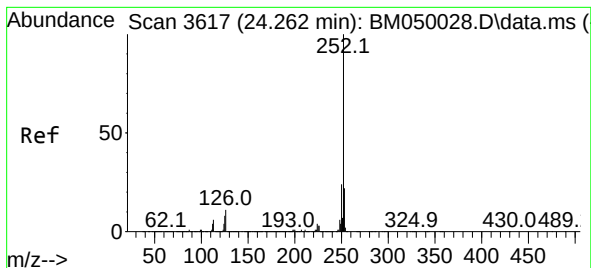
Tgt Ion:252 Resp: 750085
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 9.1 6.1 9.1



#89
Benzo(k)fluoranthene
Concen: 7.995 ng
RT: 23.433 min Scan# 3476
Delta R.T. -0.082 min
Lab File: BM050093.D
Acq: 02 May 2025 19:55

Tgt Ion:252 Resp: 750085
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.2
125 9.1 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

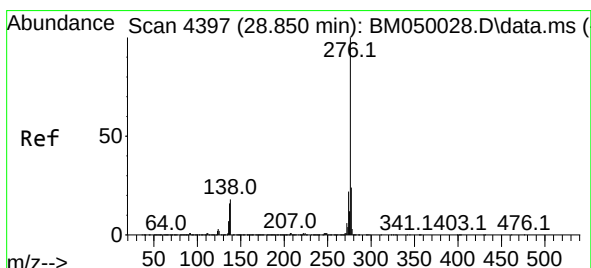
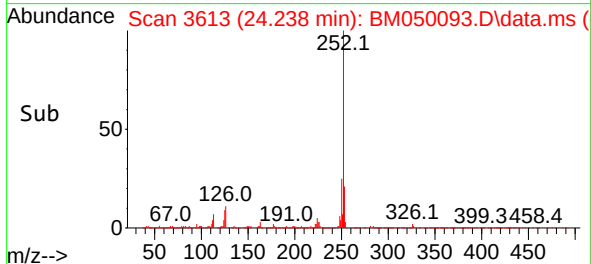
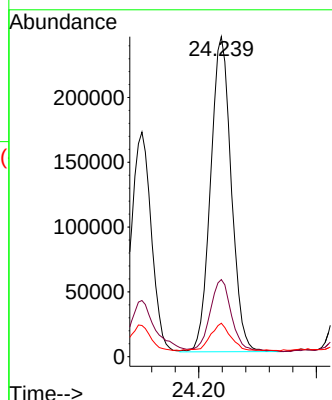
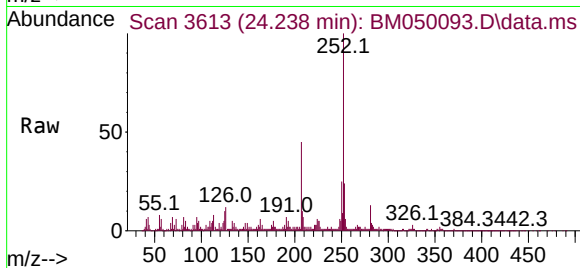
Tgt Ion:252 Resp: 593061

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

