

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
 Data File : BM047363.D
 Acq On : 27 Aug 2024 14:37
 Operator : RC/JU
 Sample : P3727-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MH-21

Quant Time: Aug 27 15:28:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 26 18:11:40 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

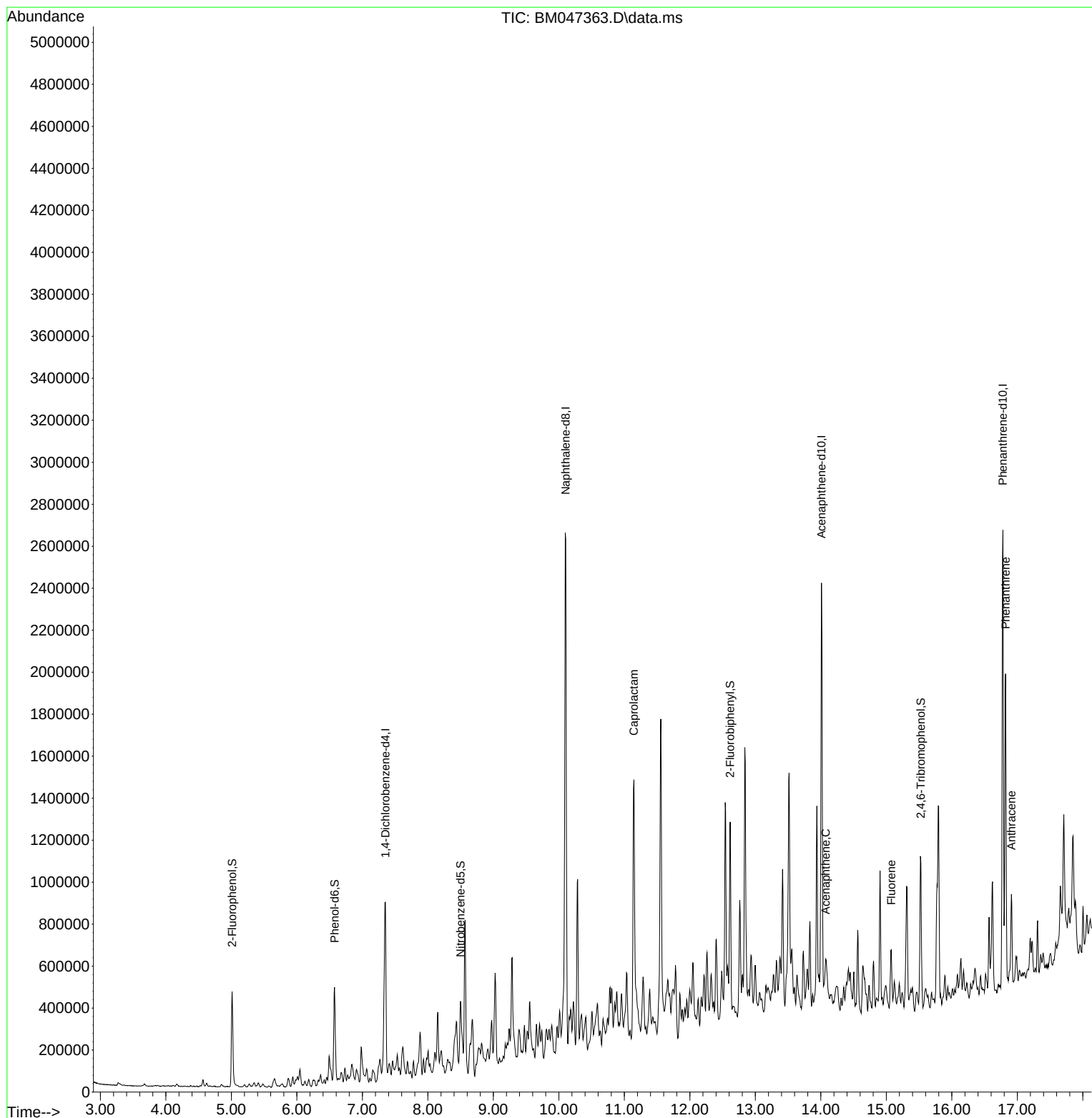
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	241597	20.000	ng	0.00
21) Naphthalene-d8	10.104	136	915201	20.000	ng	# 0.00
39) Acenaphthene-d10	14.010	164	651589	20.000	ng	0.00
64) Phenanthrene-d10	16.780	188	1335820	20.000	ng	0.00
76) Chrysene-d12	21.021	240	877589	20.000	ng	0.00
86) Perylene-d12	23.727	264	997788	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	221753	17.610	ng	0.00
7) Phenol-d6	6.575	99	290091	16.910	ng	0.00
23) Nitrobenzene-d5	8.498	82	187996	11.398	ng	0.00
42) 2,4,6-Tribromophenol	15.527	330	118525	15.077	ng	0.00
45) 2-Fluorobiphenyl	12.616	172	501166	11.818	ng	0.00
79) Terphenyl-d14	19.445	244	617153	12.517	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.510	77	2089	Below Cal	#	5
35) Caprolactam	11.145	113	48730	10.296	ng	# 38
52) Acenaphthene	14.075	154	71605	2.177	ng	99
58) Fluorene	15.074	166	99837	2.328	ng	94
71) Phenanthrene	16.821	178	894588	13.790	ng	100
72) Anthracene	16.910	178	267524	4.230	ng	97
75) Fluoranthene	18.857	202	1271819	16.696	ng	99
78) Pyrene	19.221	202	1149965	17.085	ng	99
80) Butylbenzylphthalate	20.162	149	64248	2.439	ng	99
81) Benzo(a)anthracene	21.003	228	505783	8.838	ng	95
83) Chrysene	21.003	228	505783	9.395	ng	97
84) Bis(2-ethylhexyl)phtha...	20.956	149	119268	3.204	ng	# 95
87) Indeno(1,2,3-cd)pyrene	26.733	276	269678	4.318	ng	97
88) Benzo(b)fluoranthene	22.880	252	536161	9.210	ng	# 87
89) Benzo(k)fluoranthene	22.880	252	536161	9.716	ng	# 86
90) Benzo(a)pyrene	23.597	252	420156	8.346	ng	# 89
92) Benzo(g,h,i)perylene	27.674	276	269323	5.120	ng	93

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

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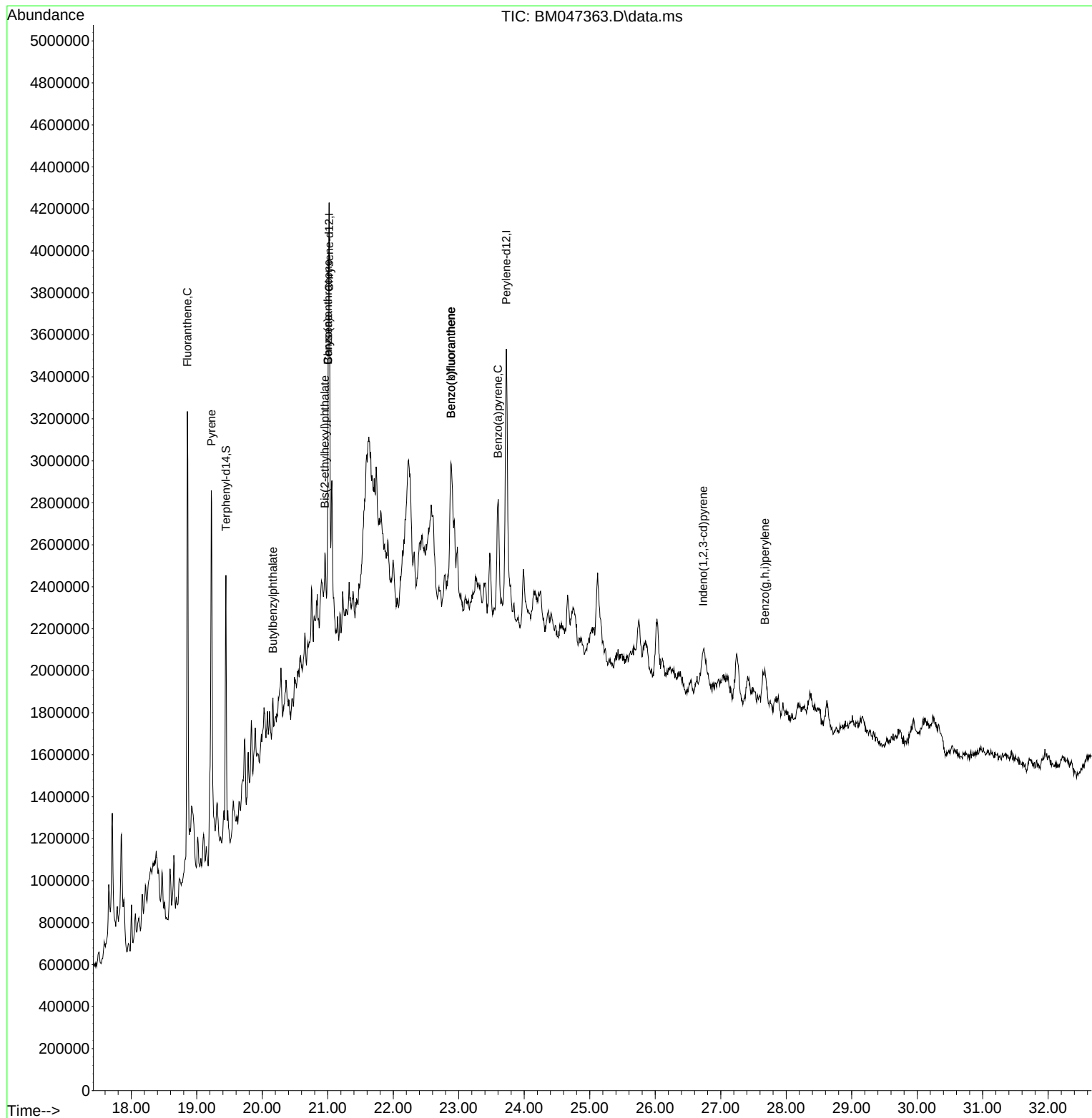
Quant Time: Aug 27 15:28:20 2024
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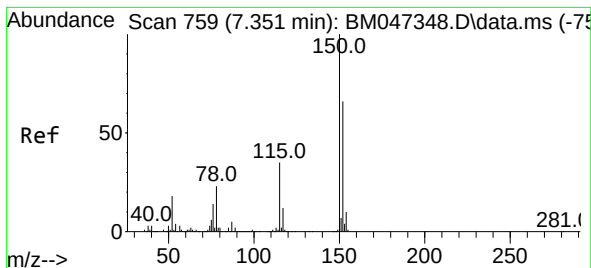


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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.351 min Scan# 7

Delta R.T. 0.000 min

Lab File: BM047363.D

Acq: 27 Aug 2024 14:37

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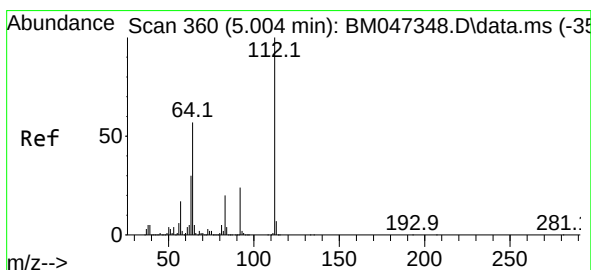
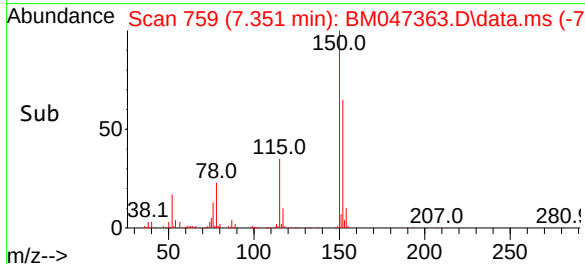
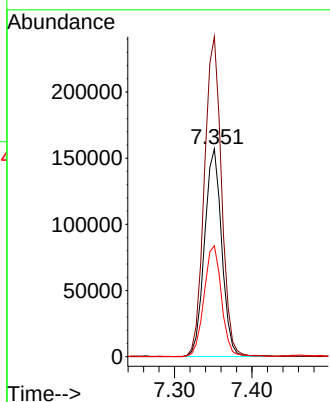
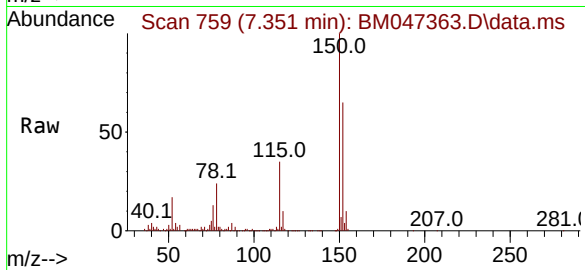
Tgt Ion:152 Resp: 241597

Ion Ratio Lower Upper

152 100

150 154.0 121.3 181.9

115 53.5 42.6 64.0



#5

2-Fluorophenol

Concen: 17.610 ng

RT: 5.010 min Scan# 361

Delta R.T. 0.006 min

Lab File: BM047363.D

Acq: 27 Aug 2024 14:37

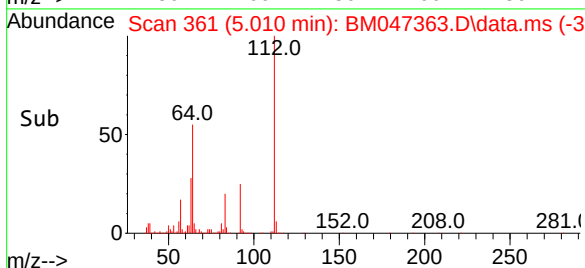
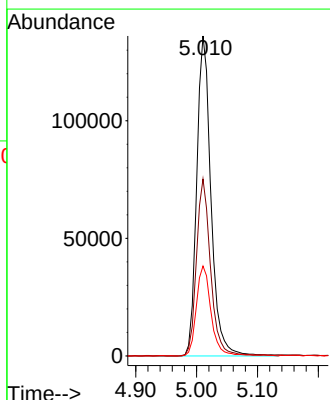
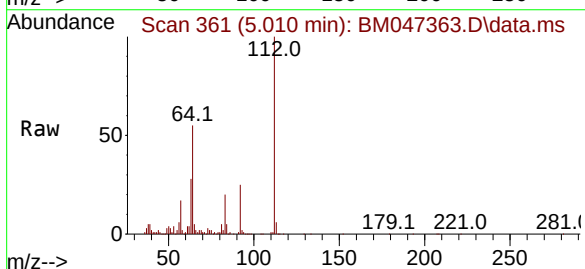
Tgt Ion:112 Resp: 221753

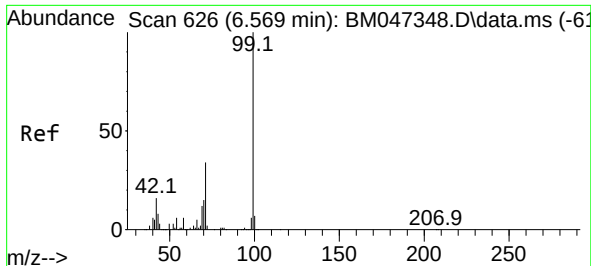
Ion Ratio Lower Upper

112 100

64 55.3 45.7 68.5

63 28.1 23.8 35.8

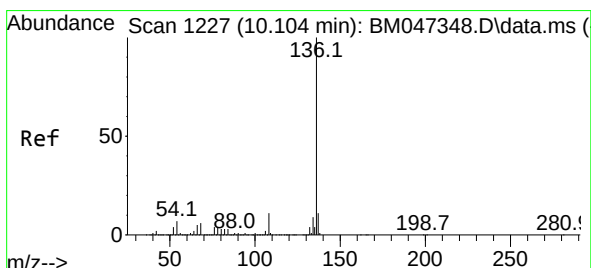
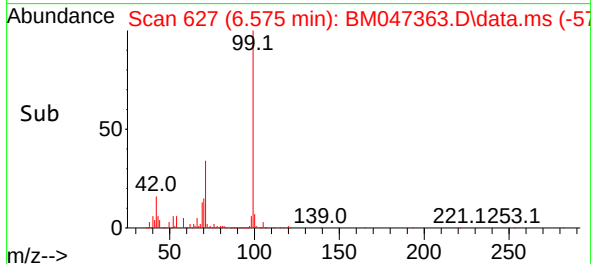
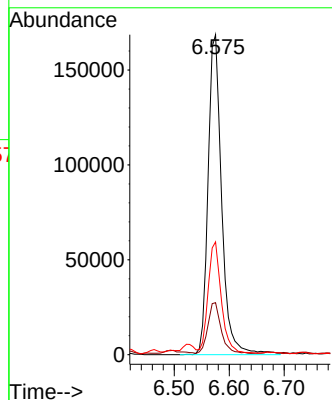
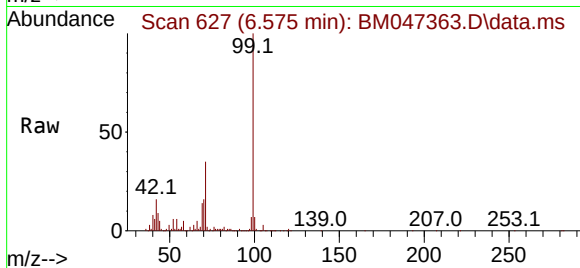




#7
Phenol-d6
Concen: 16.910 ng
RT: 6.575 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM047363.D
Acq: 27 Aug 2024 14:37

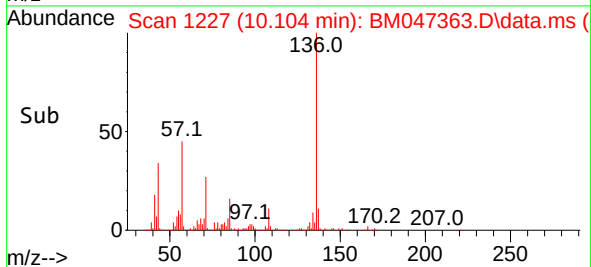
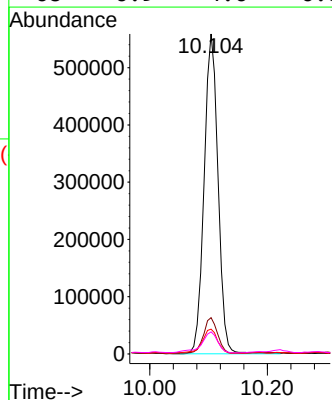
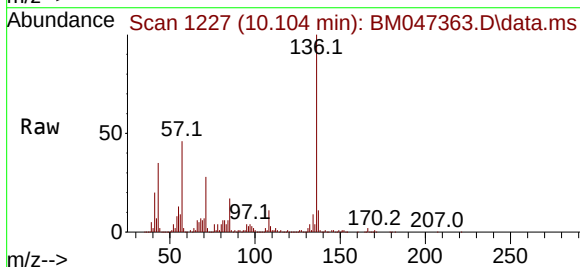
Instrument :
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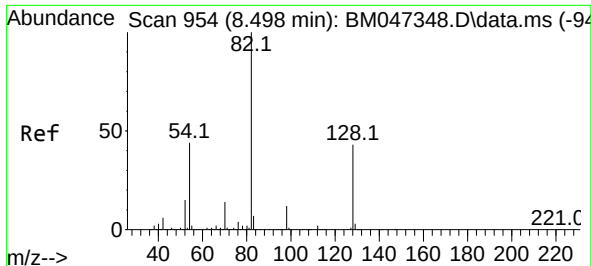
Tgt Ion: 99 Resp: 290091
Ion Ratio Lower Upper
99 100
42 16.3 13.0 19.4
71 35.3 27.5 41.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. 0.000 min
Lab File: BM047363.D
Acq: 27 Aug 2024 14:37

Tgt Ion: 136 Resp: 915201
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 7.7 5.2 7.8
68 6.9 4.6 6.8

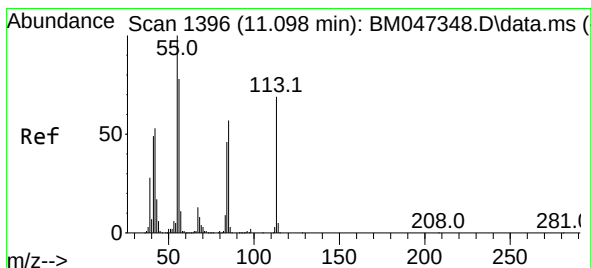
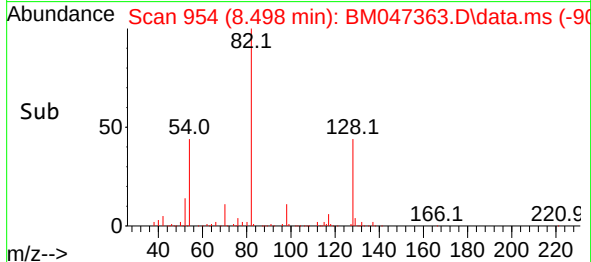
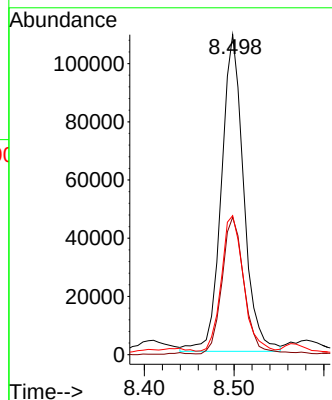
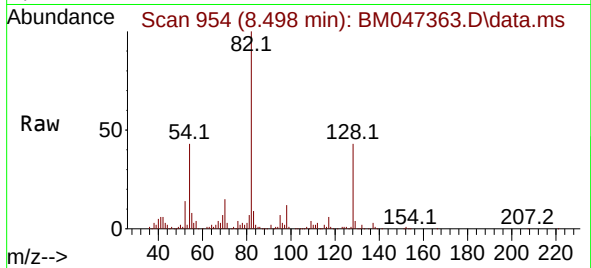




#23
Nitrobenzene-d5
Concen: 11.398 ng
RT: 8.498 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM047363.D
Acq: 27 Aug 2024 14:37

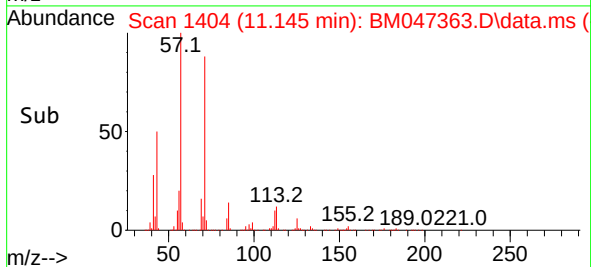
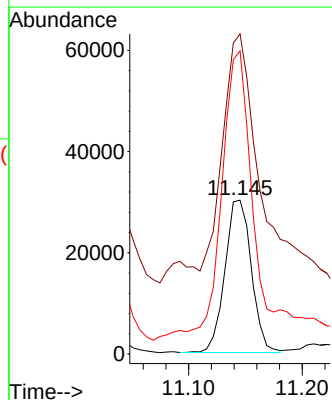
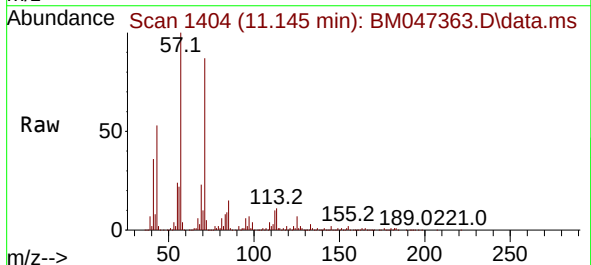
Instrument :
BNA_M
ClientSampleId :
MH-21

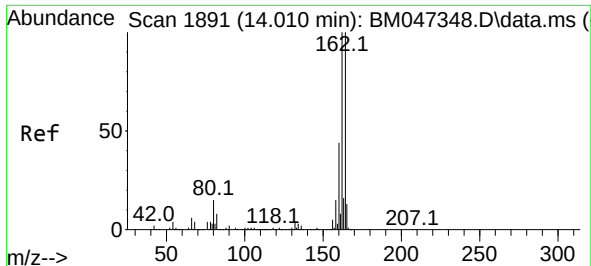
Tgt Ion: 82 Resp: 187996
Ion Ratio Lower Upper
82 100
128 43.0 34.6 51.8
54 43.5 35.5 53.3



#35
Caprolactam
Concen: 10.296 ng
RT: 11.145 min Scan# 1404
Delta R.T. 0.047 min
Lab File: BM047363.D
Acq: 27 Aug 2024 14:37

Tgt Ion: 113 Resp: 48730
Ion Ratio Lower Upper
113 100
55 208.1 126.2 166.2#
56 197.2 93.2 133.2#

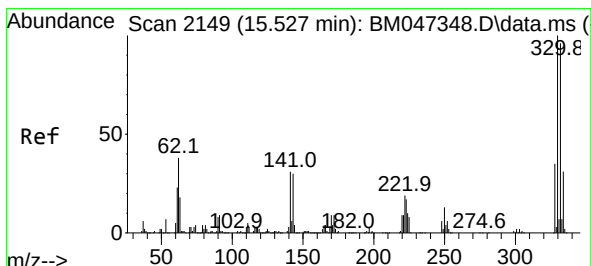
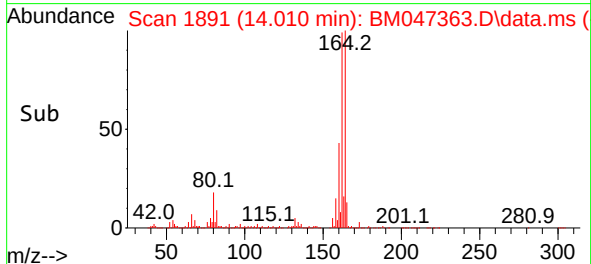
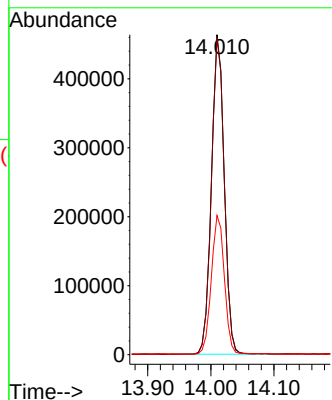
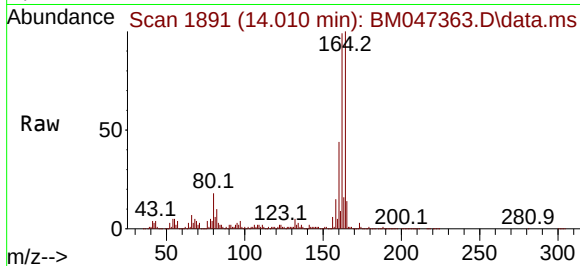




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.010 min Scan# 1891
Delta R.T. -0.000 min
Lab File: BM047363.D
Acq: 27 Aug 2024 14:37

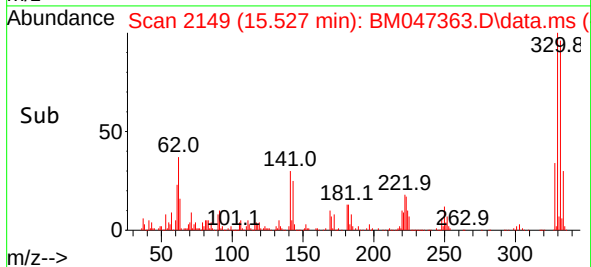
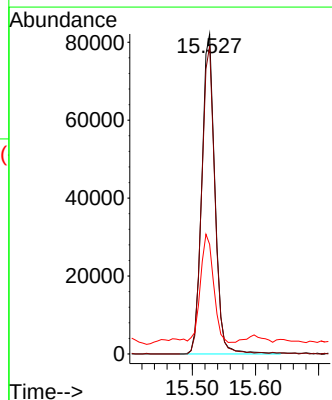
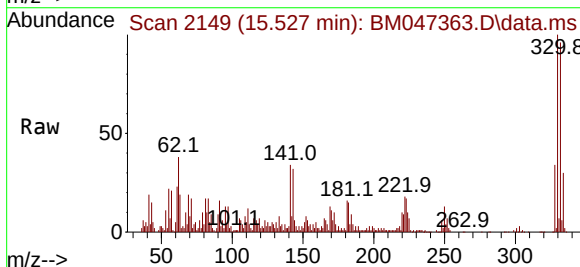
Instrument :
BNA_M
ClientSampleId :
MH-21

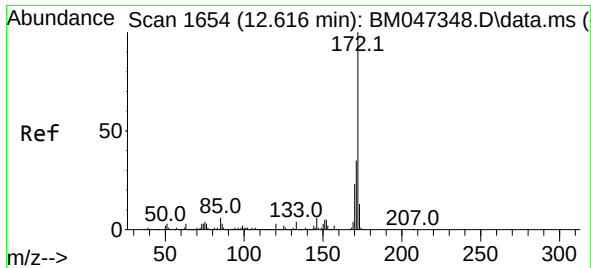
Tgt Ion:164 Resp: 651589
Ion Ratio Lower Upper
164 100
162 98.9 79.7 119.5
160 43.5 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 15.077 ng
RT: 15.527 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BM047363.D
Acq: 27 Aug 2024 14:37

Tgt Ion:330 Resp: 118525
Ion Ratio Lower Upper
330 100
332 96.5 77.2 115.8
141 33.5 27.6 41.4

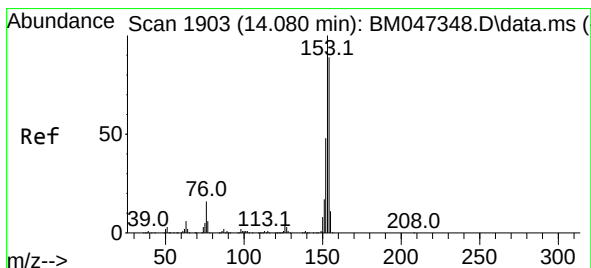
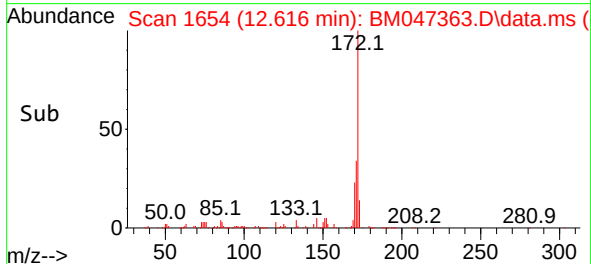
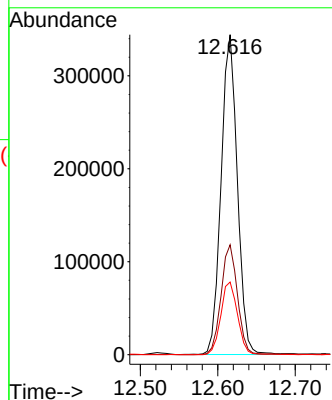
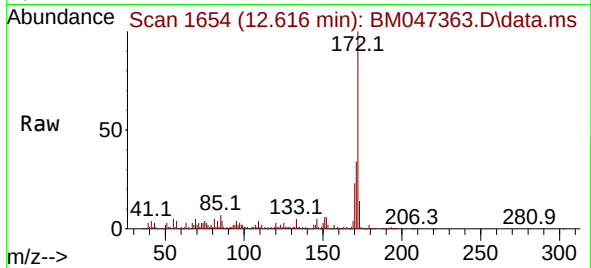




#45
2-Fluorobiphenyl
Concen: 11.818 ng
RT: 12.616 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047363.D
Acq: 27 Aug 2024 14:37

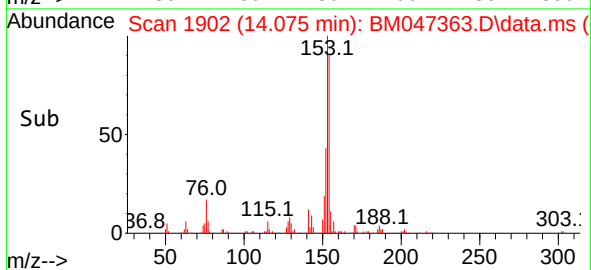
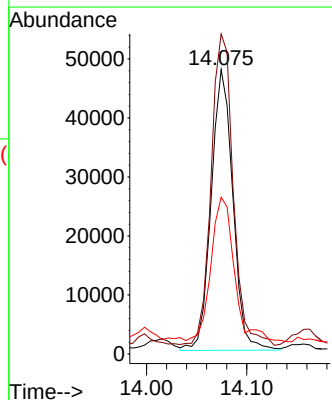
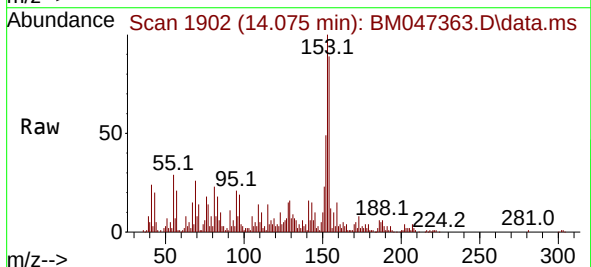
Instrument :
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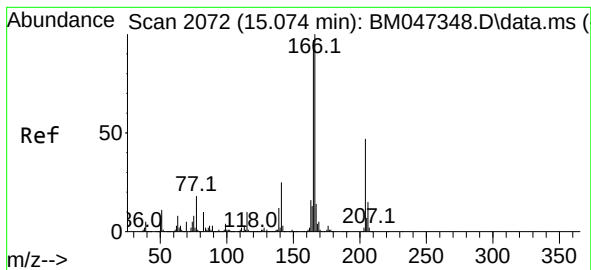
Tgt Ion:172 Resp: 501166
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.6
170 22.7 18.5 27.7



#52
Acenaphthene
Concen: 2.177 ng
RT: 14.075 min Scan# 1902
Delta R.T. -0.006 min
Lab File: BM047363.D
Acq: 27 Aug 2024 14:37

Tgt Ion:154 Resp: 71605
Ion Ratio Lower Upper
154 100
153 112.5 89.5 134.3
152 55.1 43.0 64.4





#58

Fluorene

Concen: 2.328 ng

RT: 15.074 min Scan# 2072

Delta R.T. 0.000 min

Lab File: BM047363.D

Acq: 27 Aug 2024 14:37

Instrument :

BNA_M

ClientSampleId :

MH-21

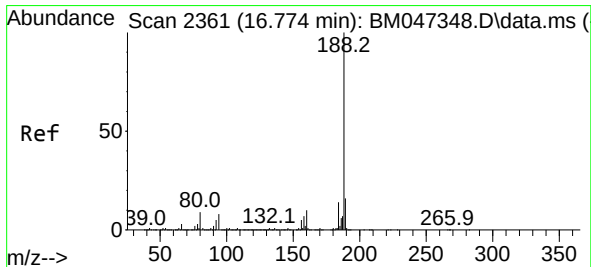
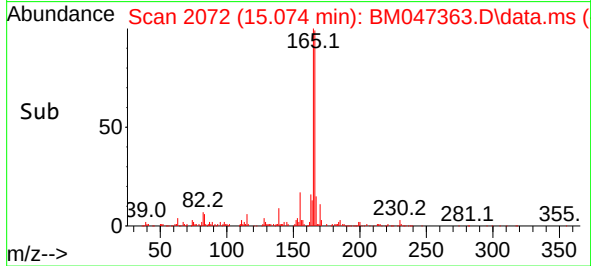
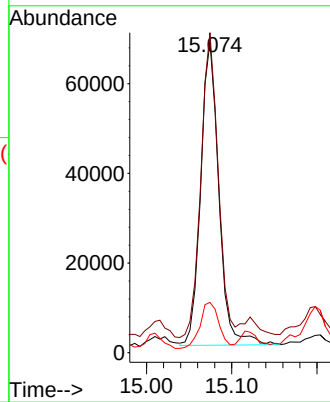
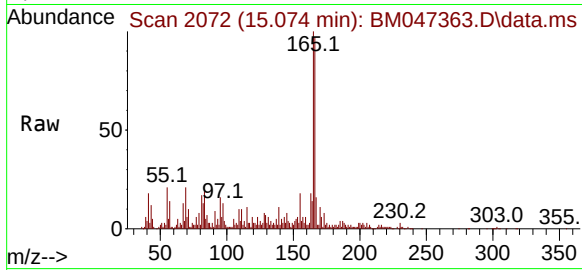
Tgt Ion:166 Resp: 99837

Ion Ratio Lower Upper

166 100

165 103.0 77.8 116.6

167 16.2 11.1 16.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.780 min Scan# 2362

Delta R.T. 0.006 min

Lab File: BM047363.D

Acq: 27 Aug 2024 14:37

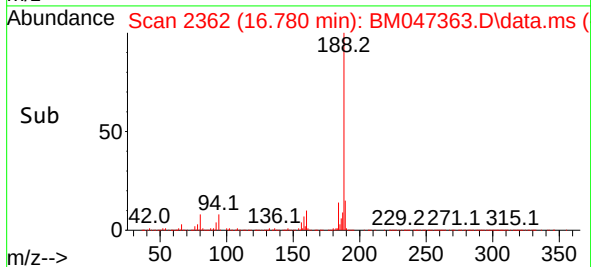
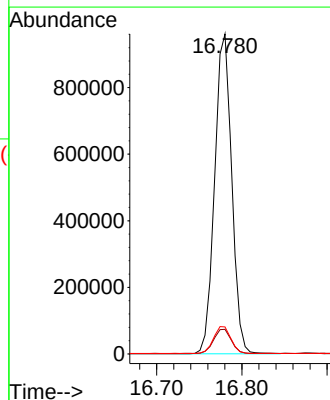
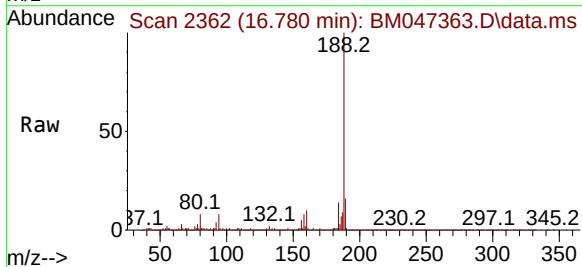
Tgt Ion:188 Resp: 1335820

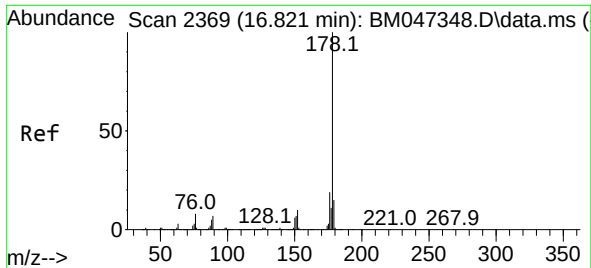
Ion Ratio Lower Upper

188 100

94 7.7 6.4 9.6

80 8.4 7.4 11.2

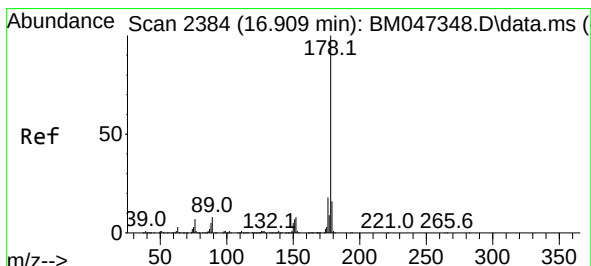
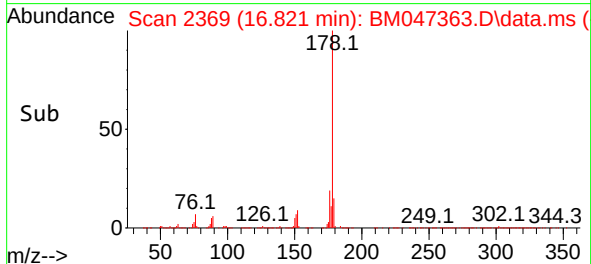
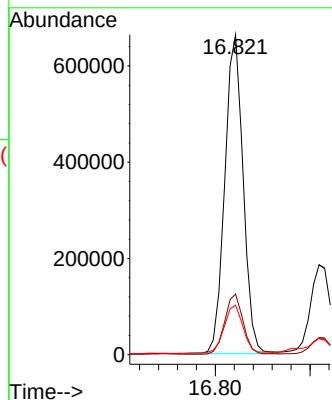
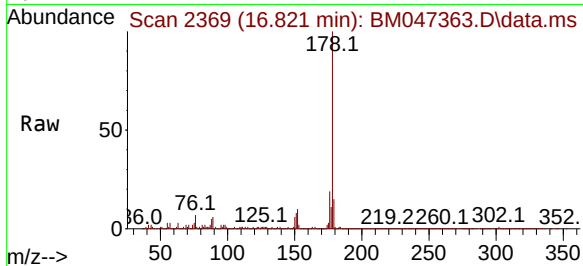




#71
Phenanthrene
Concen: 13.790 ng
RT: 16.821 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047363.D
Acq: 27 Aug 2024 14:37

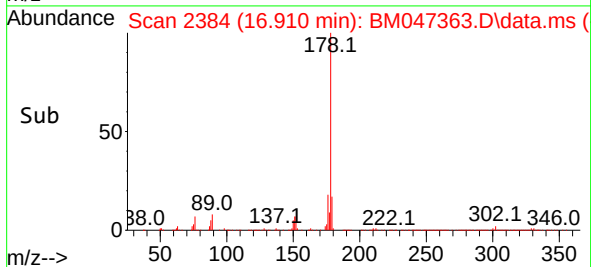
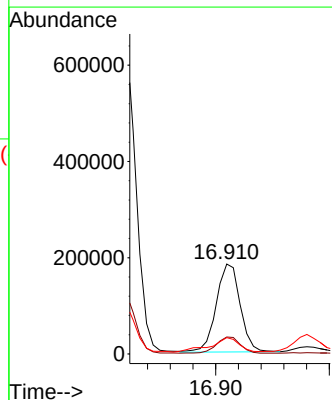
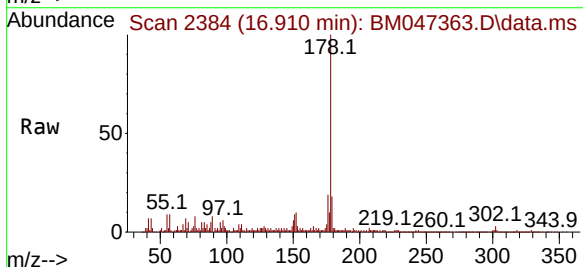
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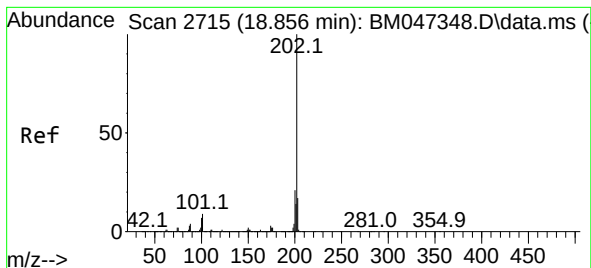
Tgt Ion:178 Resp: 894588
Ion Ratio Lower Upper
178 100
176 18.9 15.2 22.8
179 15.4 12.2 18.4



#72
Anthracene
Concen: 4.230 ng
RT: 16.910 min Scan# 2384
Delta R.T. 0.000 min
Lab File: BM047363.D
Acq: 27 Aug 2024 14:37

Tgt Ion:178 Resp: 267524
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 18.2 12.6 18.8





#75

Fluoranthene

Concen: 16.696 ng

RT: 18.857 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047363.D

Acq: 27 Aug 2024 14:37

Instrument :

BNA_M

ClientSampleId :

MH-21

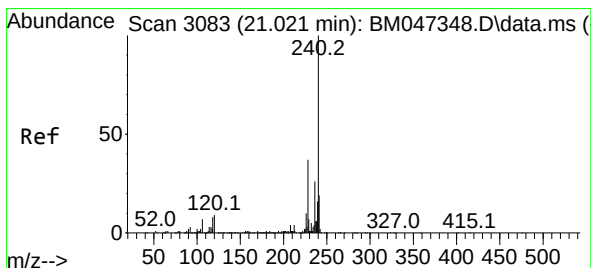
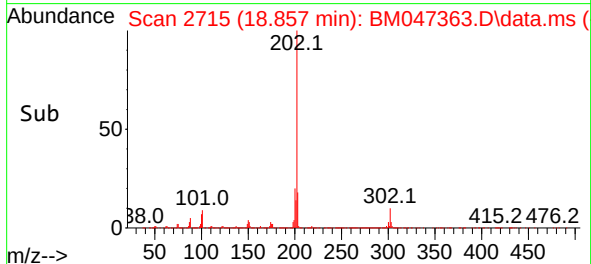
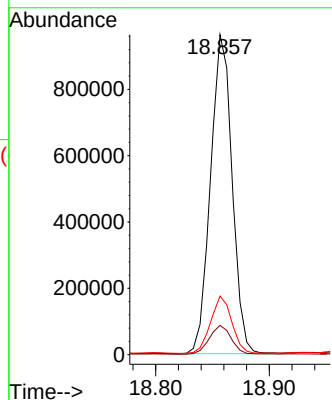
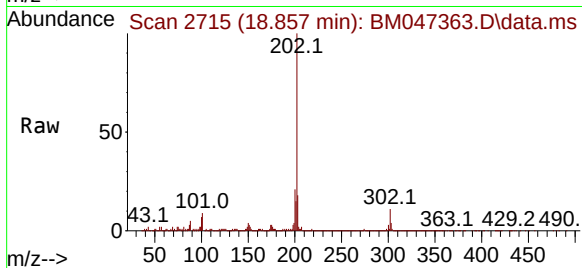
Tgt Ion:202 Resp: 1271819

Ion Ratio Lower Upper

202 100

101 9.1 0.0 29.0

203 18.3 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.021 min Scan# 3083

Delta R.T. 0.000 min

Lab File: BM047363.D

Acq: 27 Aug 2024 14:37

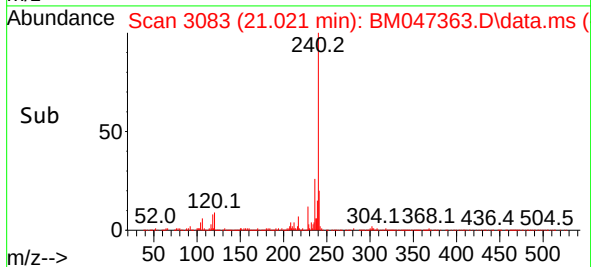
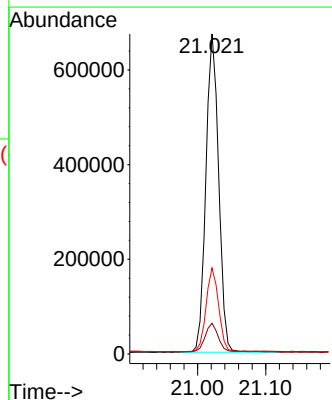
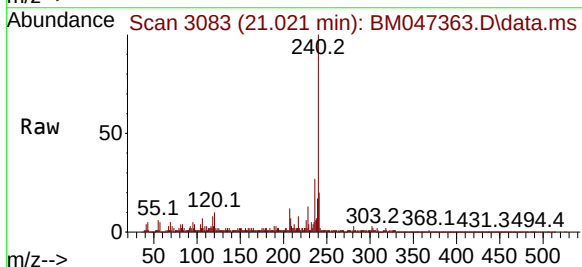
Tgt Ion:240 Resp: 877589

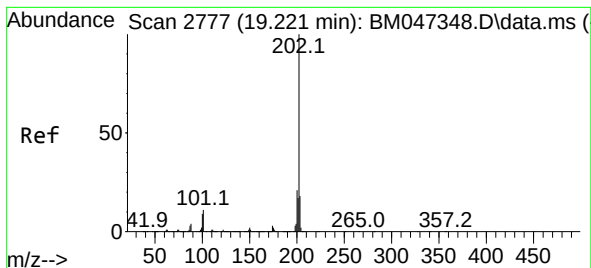
Ion Ratio Lower Upper

240 100

120 9.6 7.4 11.0

236 26.8 20.8 31.2





#78

Pyrene

Concen: 17.085 ng

RT: 19.221 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047363.D

Acq: 27 Aug 2024 14:37

Instrument :

BNA_M

ClientSampleId :

MH-21

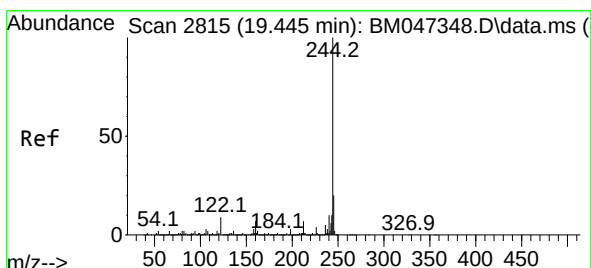
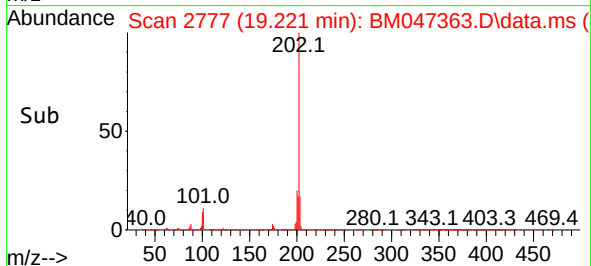
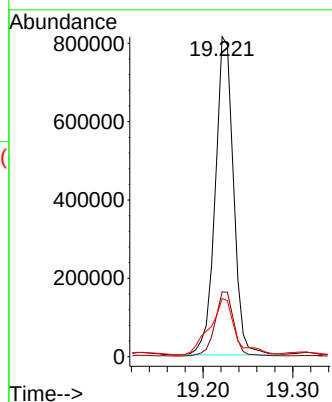
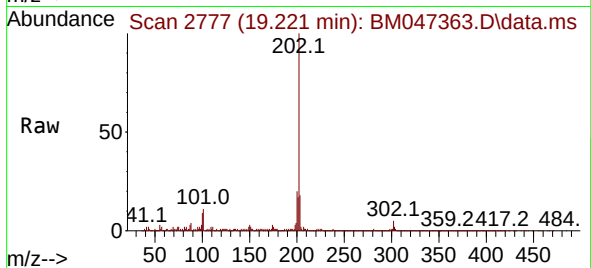
Tgt Ion:202 Resp: 1149965

Ion Ratio Lower Upper

202 100

200 20.2 16.7 25.1

203 18.2 14.2 21.4



#79

Terphenyl-d14

Concen: 12.517 ng

RT: 19.445 min Scan# 2815

Delta R.T. 0.000 min

Lab File: BM047363.D

Acq: 27 Aug 2024 14:37

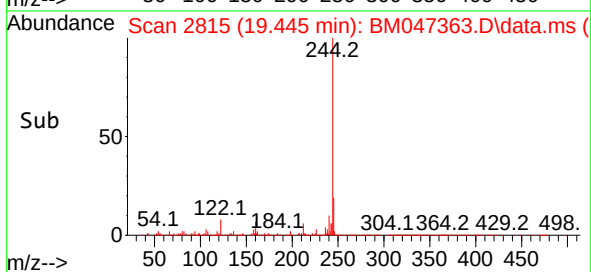
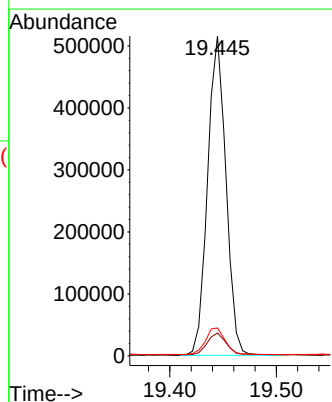
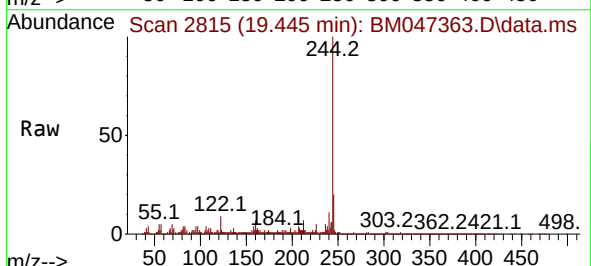
Tgt Ion:244 Resp: 617153

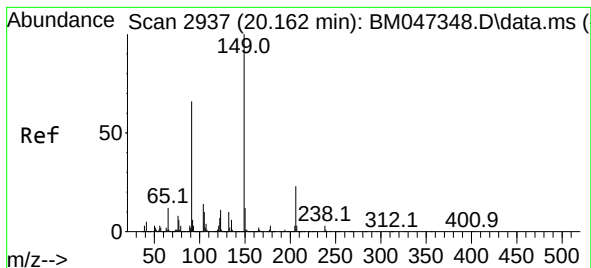
Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 8.8 7.0 10.4





#80

Butylbenzylphthalate

Concen: 2.439 ng

RT: 20.162 min Scan# 2937

Delta R.T. 0.000 min

Lab File: BM047363.D

Acq: 27 Aug 2024 14:37

Instrument :

BNA_M

ClientSampleId :

MH-21

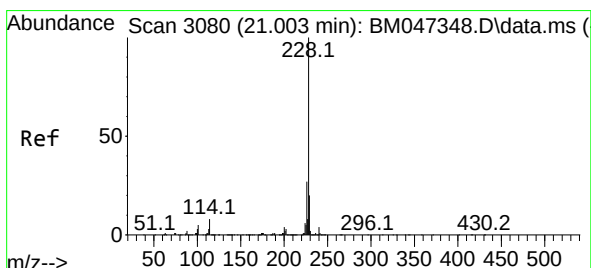
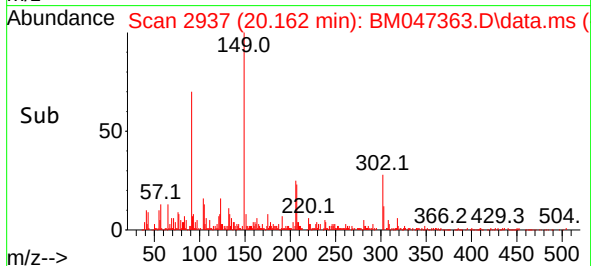
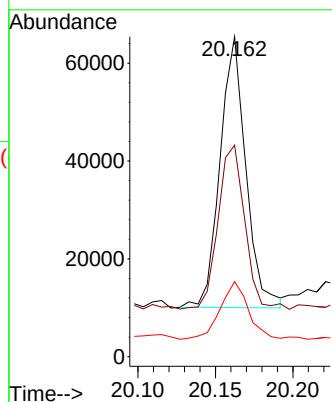
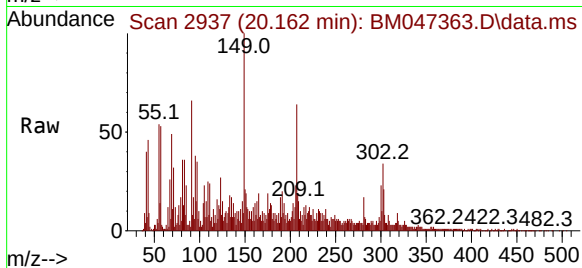
Tgt Ion:149 Resp: 64248

Ion Ratio Lower Upper

149 100

91 66.1 52.6 79.0

206 23.4 18.2 27.2



#81

Benzo(a)anthracene

Concen: 8.838 ng

RT: 21.003 min Scan# 3080

Delta R.T. 0.000 min

Lab File: BM047363.D

Acq: 27 Aug 2024 14:37

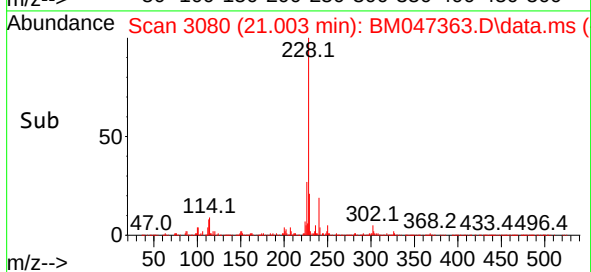
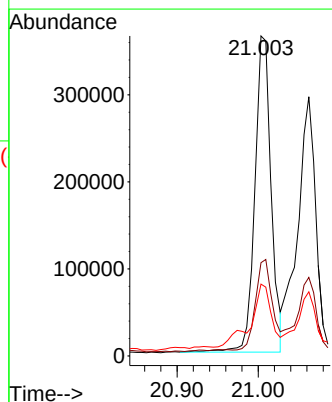
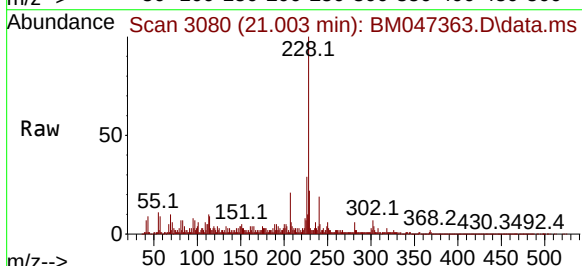
Tgt Ion:228 Resp: 505783

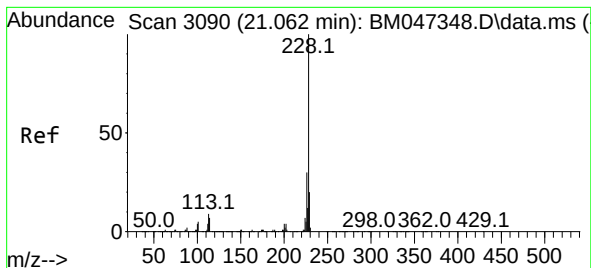
Ion Ratio Lower Upper

228 100

226 29.1 21.4 32.0

229 22.5 15.8 23.8





#83

Chrysene

Concen: 9.395 ng

RT: 21.003 min Scan# 3090

Delta R.T. -0.059 min

Lab File: BM047363.D

Acq: 27 Aug 2024 14:37

Instrument :

BNA_M

ClientSampleId :

MH-21

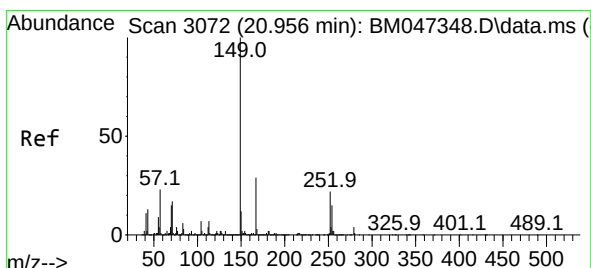
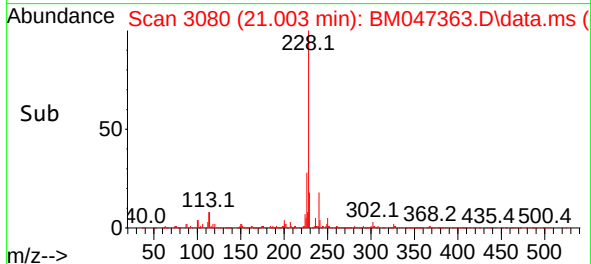
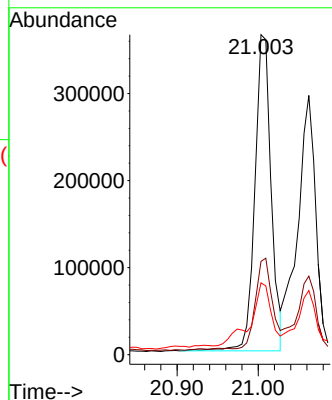
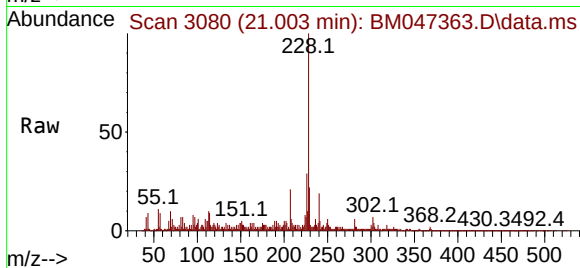
Tgt Ion:228 Resp: 505783

Ion Ratio Lower Upper

228 100

226 29.1 24.0 36.0

229 22.5 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.204 ng

RT: 20.956 min Scan# 3072

Delta R.T. 0.000 min

Lab File: BM047363.D

Acq: 27 Aug 2024 14:37

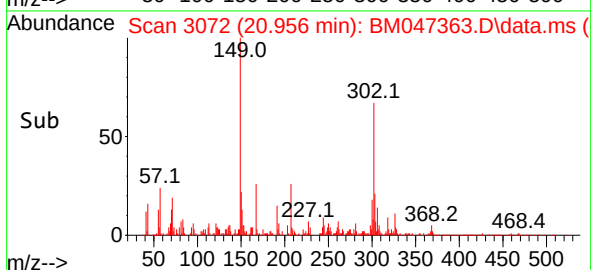
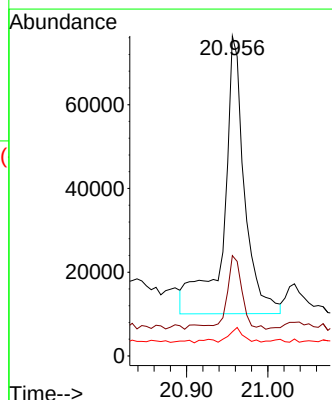
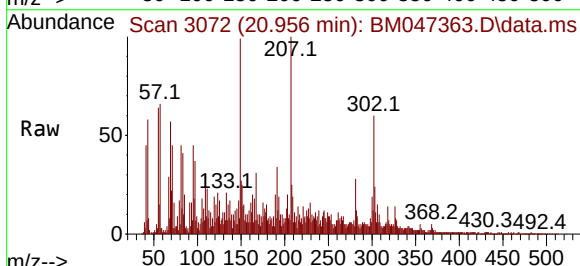
Tgt Ion:149 Resp: 119268

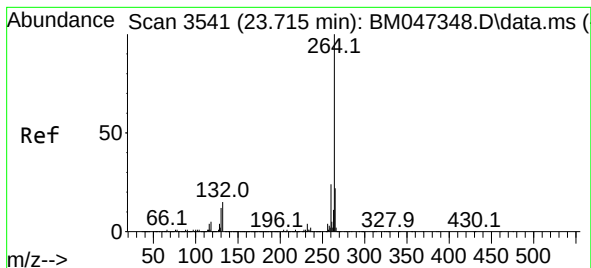
Ion Ratio Lower Upper

149 100

167 31.3 23.1 34.7

279 7.5 3.3 4.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.727 min Scan# 3

Delta R.T. 0.012 min

Lab File: BM047363.D

Acq: 27 Aug 2024 14:37

Instrument :

BNA_M

ClientSampleId :

MH-21

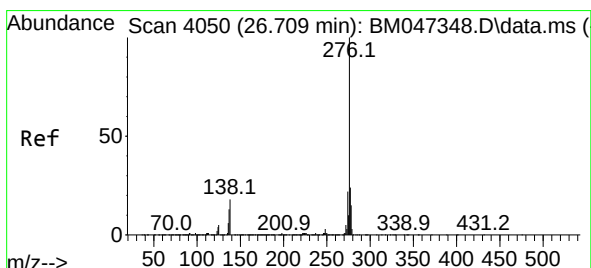
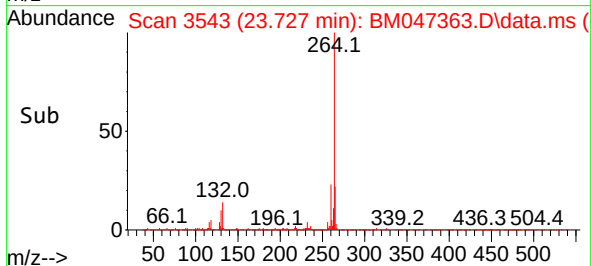
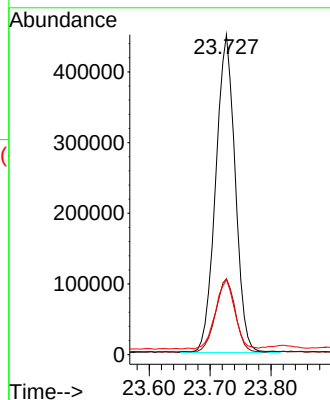
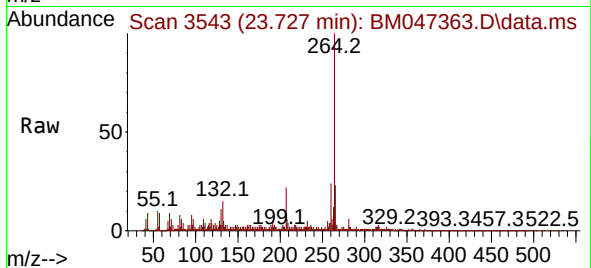
Tgt Ion:264 Resp: 997788

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.4

265 23.4 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.318 ng

RT: 26.733 min Scan# 4054

Delta R.T. 0.024 min

Lab File: BM047363.D

Acq: 27 Aug 2024 14:37

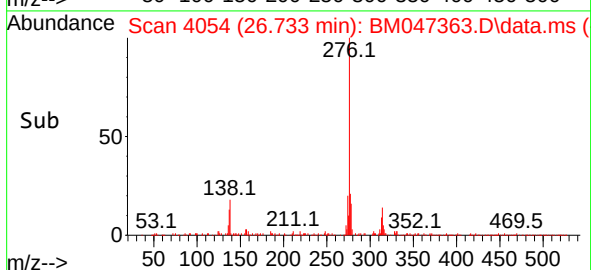
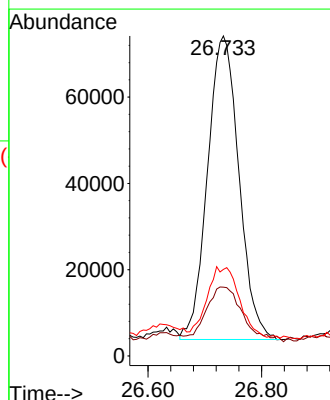
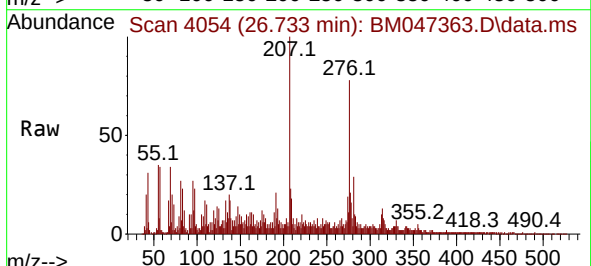
Tgt Ion:276 Resp: 269678

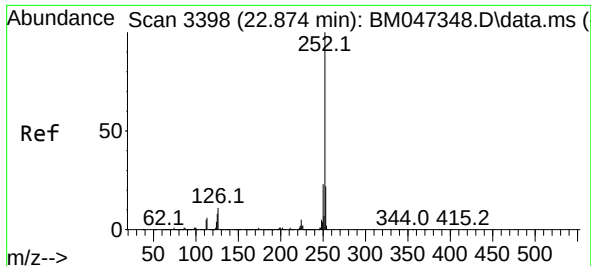
Ion Ratio Lower Upper

276 100

138 20.9 17.7 26.5

277 23.7 20.0 30.0

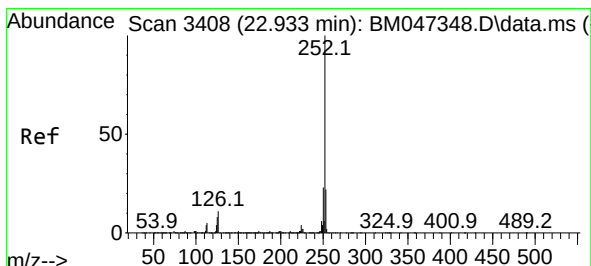
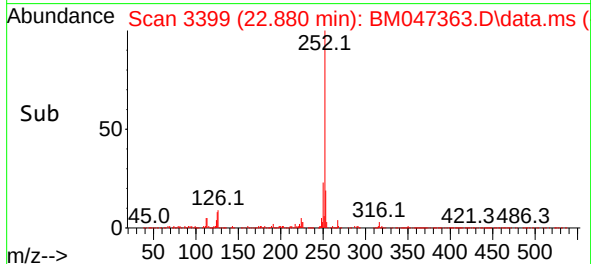
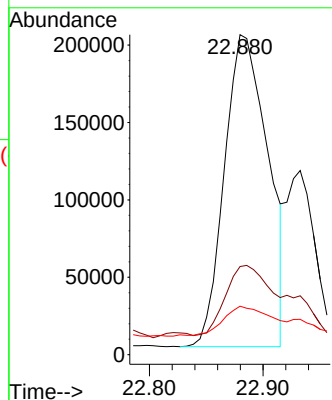
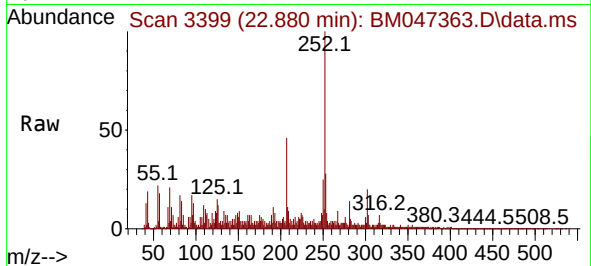




#88
Benzo(b)fluoranthene
Concen: 9.210 ng
RT: 22.880 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM047363.D
Acq: 27 Aug 2024 14:37

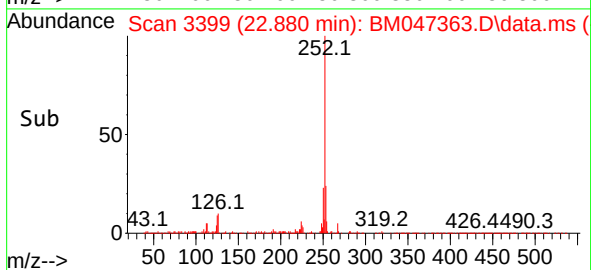
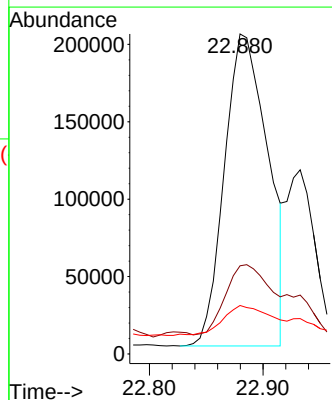
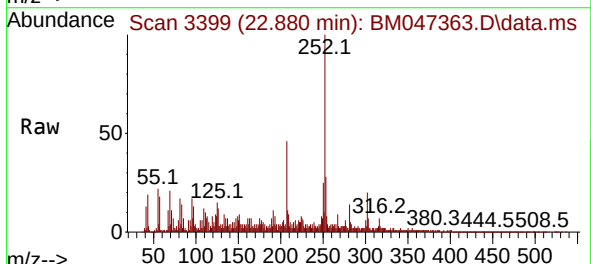
Instrument :
BNA_M
ClientSampleId :
MH-21

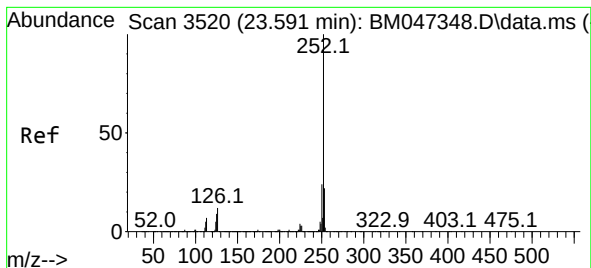
Tgt Ion:252 Resp: 536161
Ion Ratio Lower Upper
252 100
253 27.5 17.8 26.6#
125 15.1 6.6 10.0#



#89
Benzo(k)fluoranthene
Concen: 9.716 ng
RT: 22.880 min Scan# 3399
Delta R.T. -0.053 min
Lab File: BM047363.D
Acq: 27 Aug 2024 14:37

Tgt Ion:252 Resp: 536161
Ion Ratio Lower Upper
252 100
253 27.5 17.5 26.3#
125 15.1 6.6 9.8#





#90

Benzo(a)pyrene

Concen: 8.346 ng

RT: 23.597 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM047363.D

Acq: 27 Aug 2024 14:37

Instrument :

BNA_M

ClientSampleId :

MH-21

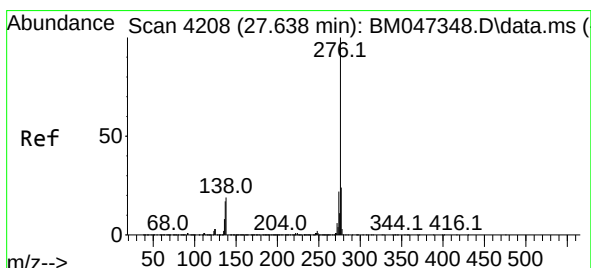
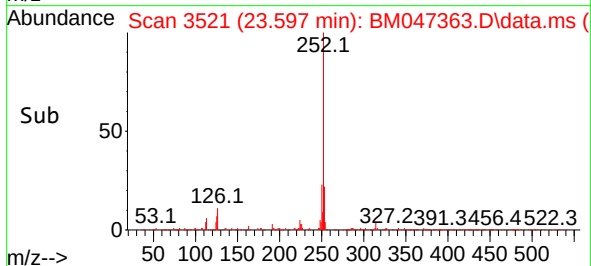
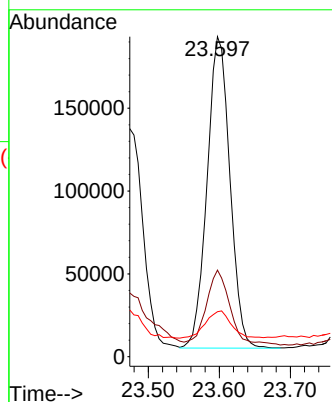
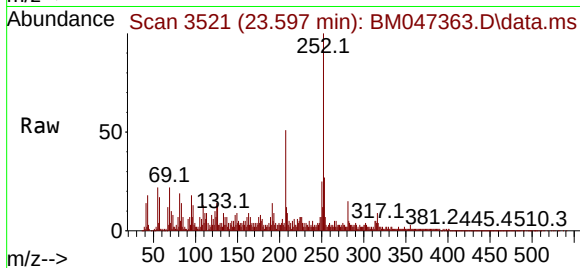
Tgt Ion:252 Resp: 420156

Ion Ratio Lower Upper

252 100

253 27.1 17.7 26.5#

125 14.0 7.4 11.2#



#92

Benzo(g,h,i)perylene

Concen: 5.120 ng

RT: 27.674 min Scan# 4214

Delta R.T. 0.035 min

Lab File: BM047363.D

Acq: 27 Aug 2024 14:37

Tgt Ion:276 Resp: 269323

Ion Ratio Lower Upper

276 100

277 28.3 19.4 29.0

138 21.6 15.0 22.6

