

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021423\
 Data File : BM038741.D
 Acq On : 14 Feb 2023 21:54
 Operator : CG/JU
 Sample : 01526-01DL 20X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PL-01-021023DL

Quant Time: Feb 15 02:11:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 15 02:07:17 2023
 Response via : Initial Calibration

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

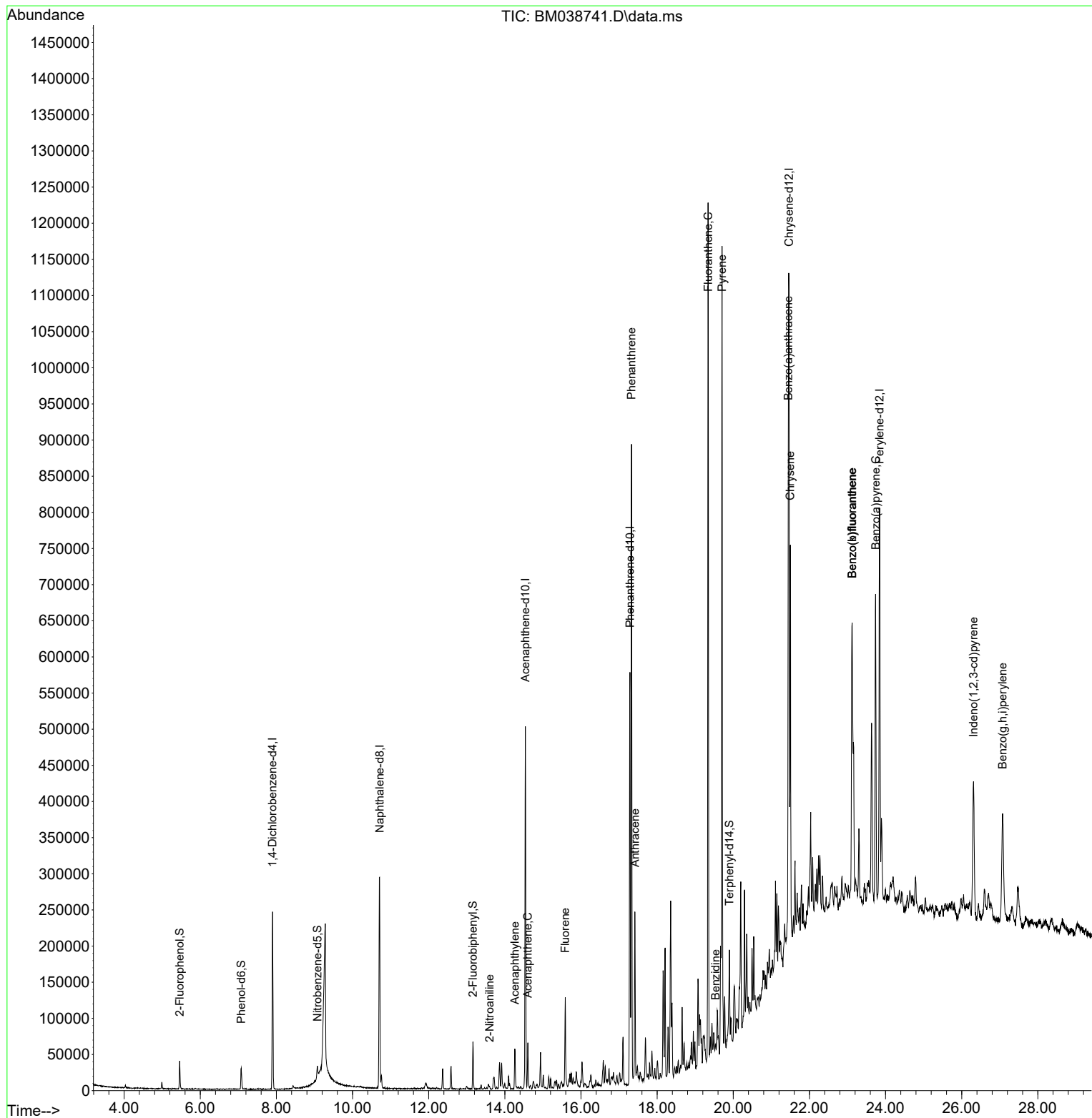
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.898	152	70998	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	255152	20.000	ng	0.00
39) Acenaphthene-d10	14.539	164	160968	20.000	ng	0.00
64) Phenanthrene-d10	17.286	188	332788	20.000	ng	# 0.00
76) Chrysene-d12	21.462	240	301034	20.000	ng	0.00
86) Perylene-d12	23.845	264	377608	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	18111	4.997	ng	0.00
7) Phenol-d6	7.075	99	19223	4.650	ng	0.00
23) Nitrobenzene-d5	9.075	82	9865	2.196	ng	0.00
42) 2,4,6-Tribromophenol	16.033	330	3182	1.454	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	33070	2.616	ng	0.00
79) Terphenyl-d14	19.898	244	45069	2.642	ng	0.00
Target Compounds						
						Qvalue
48) 2-Nitroaniline	13.598	65	56	2.194	ng	# 1
49) Acenaphthylene	14.263	152	38756	2.452	ng	99
52) Acenaphthene	14.604	154	20675	2.191	ng	96
58) Fluorene	15.586	166	51025	3.969	ng	93
71) Phenanthrene	17.327	178	506126	25.614	ng	98
72) Anthracene	17.416	178	138423	6.848	ng	99
75) Fluoranthene	19.339	202	629156	30.325	ng	98
77) Benzidine	19.539	184	153	3.129	ng	# 7
78) Pyrene	19.704	202	610879	26.357	ng	99
81) Benzo(a)anthracene	21.445	228	292976	13.758	ng	97
83) Chrysene	21.498	228	253787	12.370	ng	97
87) Indeno(1,2,3-cd)pyrene	26.309	276	181045	6.087	ng	98
88) Benzo(b)fluoranthene	23.121	252	357446	15.804	ng	99
89) Benzo(k)fluoranthene	23.121	252	357446	15.563	ng	98
90) Benzo(a)pyrene	23.739	252	286922	12.828	ng	99
92) Benzo(g,h,i)perylene	27.074	276	181372	7.170	ng	95

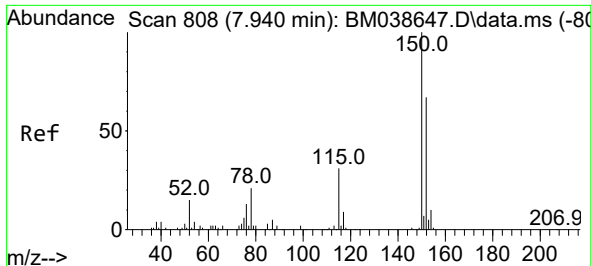
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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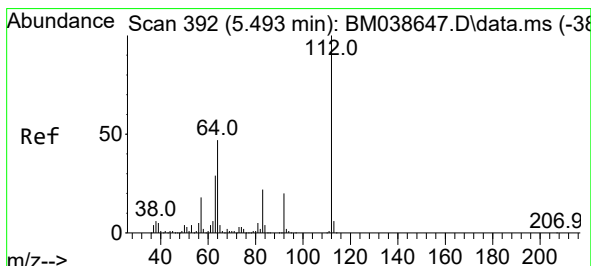
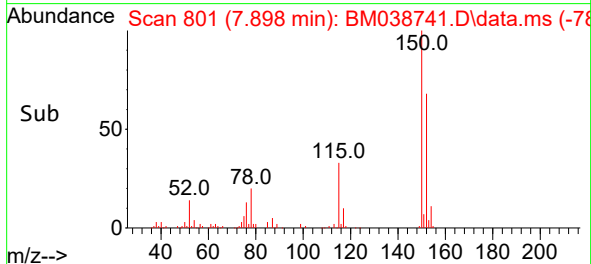
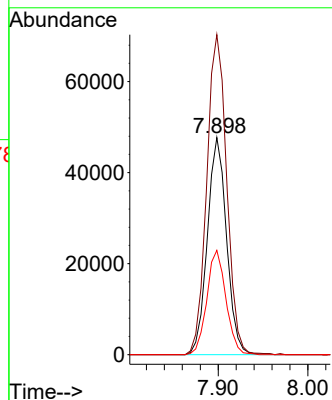
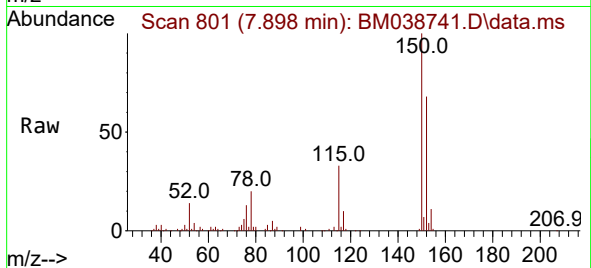




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.898 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54

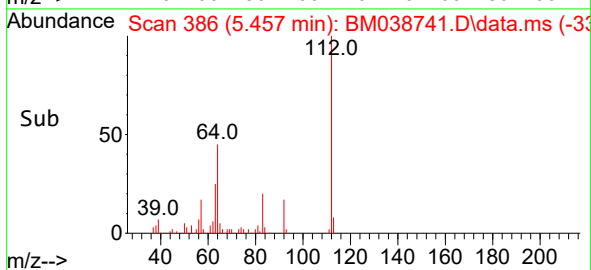
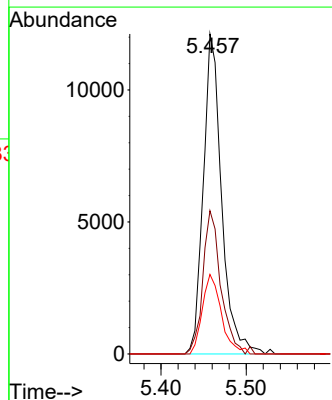
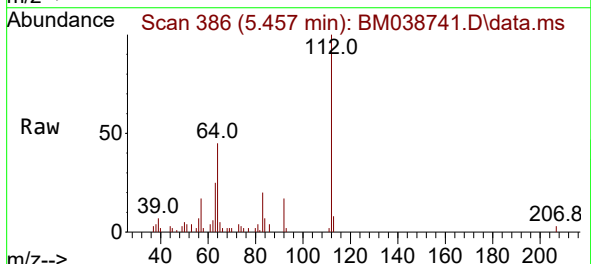
Instrument :
BNA_M
ClientSampleId :
PL-01-021023DL

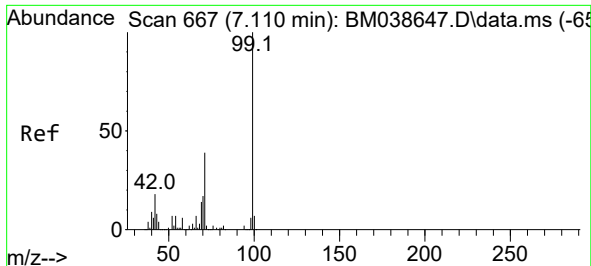
Tgt Ion:152 Resp: 70998
Ion Ratio Lower Upper
152 100
150 147.3 119.5 179.3
115 48.1 37.6 56.4



#5
2-Fluorophenol
Concen: 4.997 ng
RT: 5.457 min Scan# 386
Delta R.T. 0.000 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54

Tgt Ion:112 Resp: 18111
Ion Ratio Lower Upper
112 100
64 44.7 37.9 56.9
63 24.8 23.3 34.9

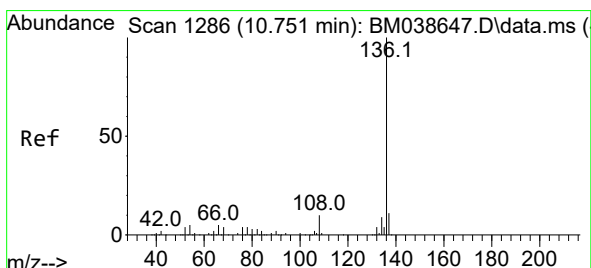
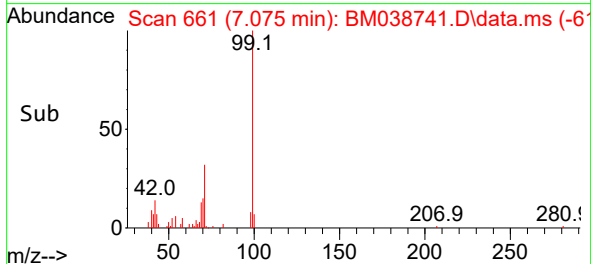
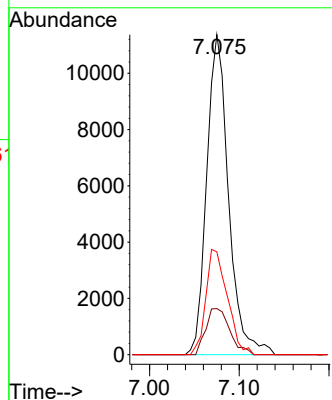
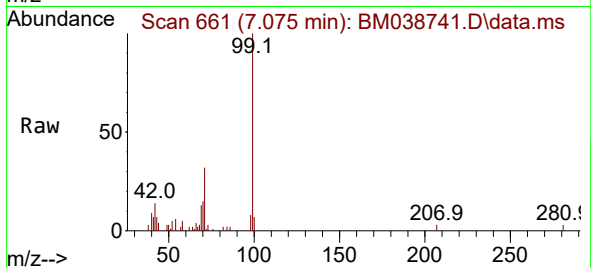




#7
Phenol-d6
Concen: 4.650 ng
RT: 7.075 min Scan# 60
Delta R.T. -0.006 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54

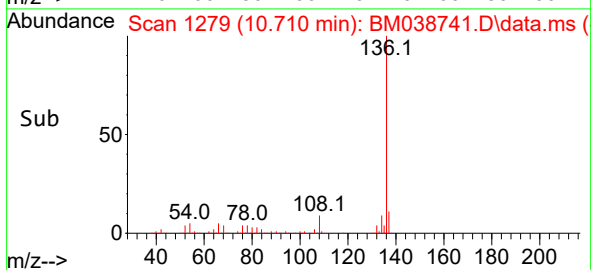
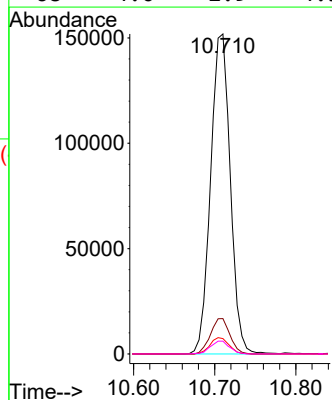
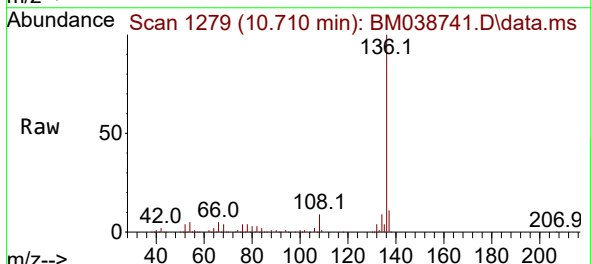
Instrument :
BNA_M
ClientSampleId :
PL-01-021023DL

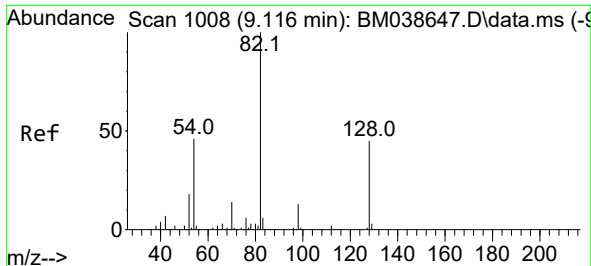
Tgt Ion: 99 Resp: 19223
Ion Ratio Lower Upper
99 100
42 14.4 14.6 22.0#
71 32.2 31.0 46.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54

Tgt Ion: 136 Resp: 255152
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 4.8 4.2 6.4
68 4.0 2.9 4.3

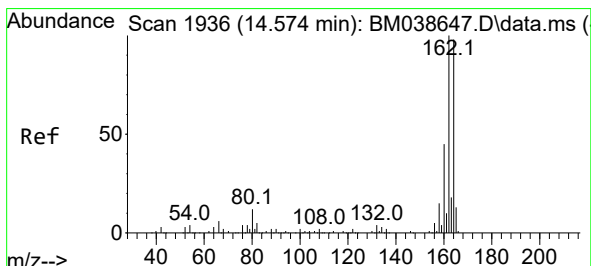
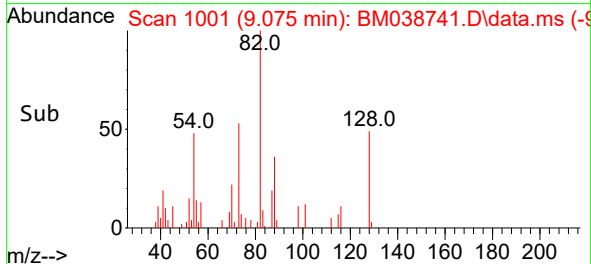
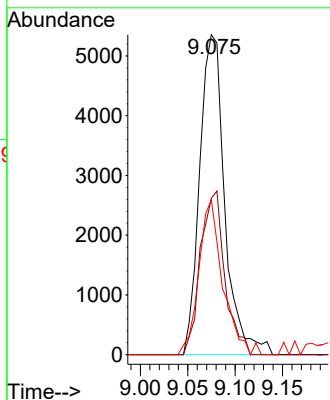
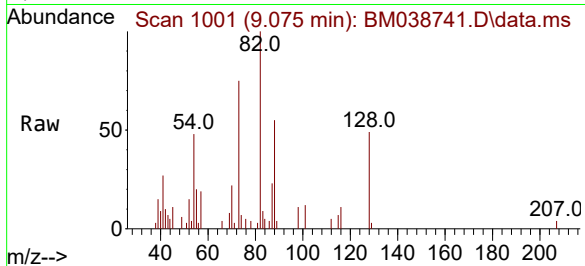




#23
Nitrobenzene-d5
Concen: 2.196 ng
RT: 9.075 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54

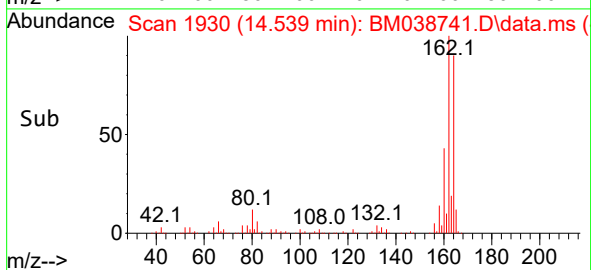
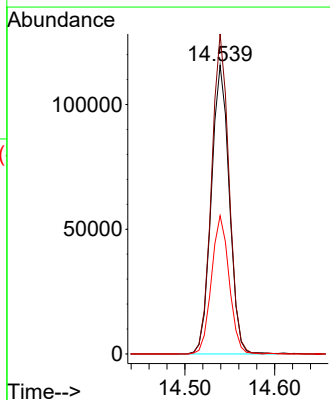
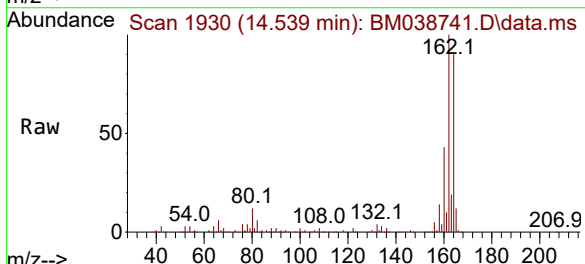
Instrument :
BNA_M
ClientSampleId :
PL-01-021023DL

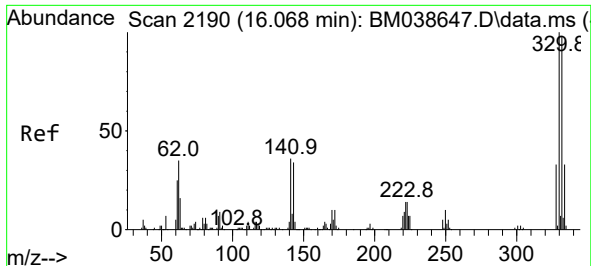
Tgt Ion: 82 Resp: 9865
Ion Ratio Lower Upper
82 100
128 48.8 36.0 54.0
54 48.4 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54

Tgt Ion:164 Resp: 160968
Ion Ratio Lower Upper
164 100
162 110.9 81.4 122.0
160 47.9 36.5 54.7





#42

2,4,6-Tribromophenol

Concen: 1.454 ng

RT: 16.033 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM038741.D

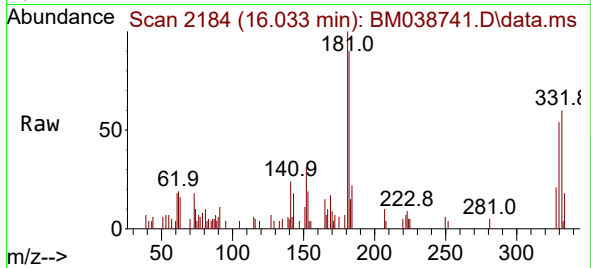
Acq: 14 Feb 2023 21:54

Instrument :

BNA_M

ClientSampleId :

PL-01-021023DL



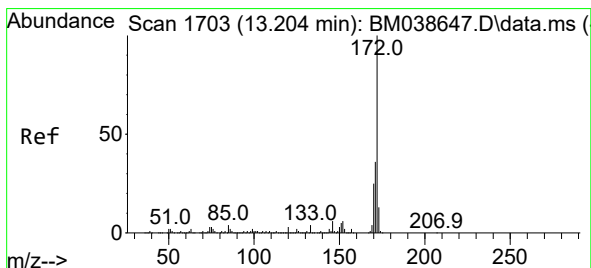
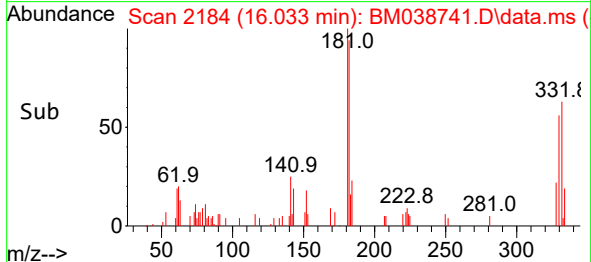
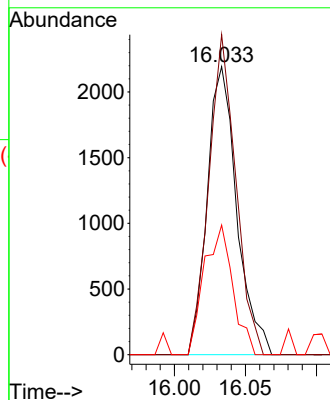
Tgt Ion:330 Resp: 3182

Ion Ratio Lower Upper

330 100

332 101.3 77.8 116.6

141 43.2 31.0 46.6



#45

2-Fluorobiphenyl

Concen: 2.616 ng

RT: 13.163 min Scan# 1696

Delta R.T. -0.006 min

Lab File: BM038741.D

Acq: 14 Feb 2023 21:54

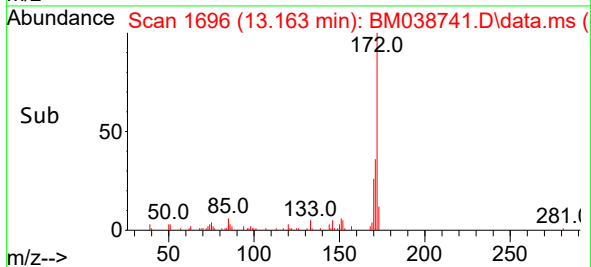
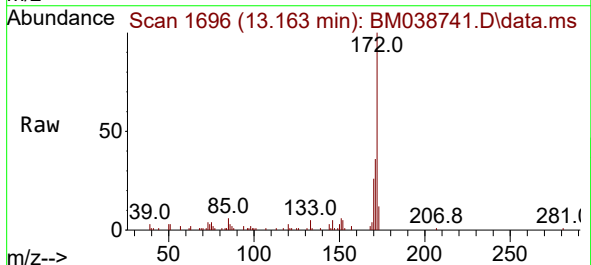
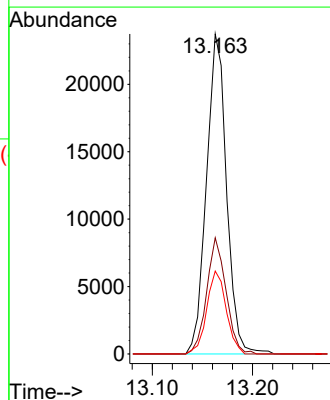
Tgt Ion:172 Resp: 33070

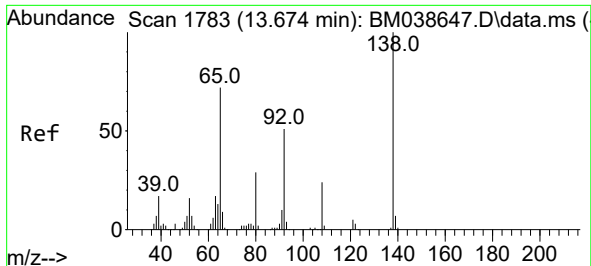
Ion Ratio Lower Upper

172 100

171 36.3 28.7 43.1

170 25.9 20.0 30.0

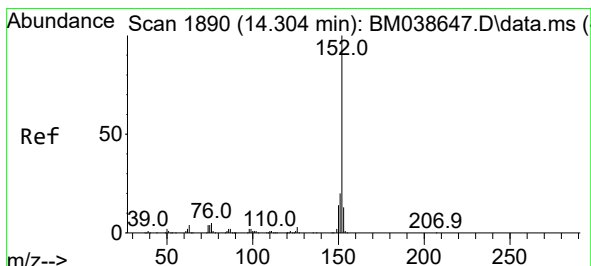
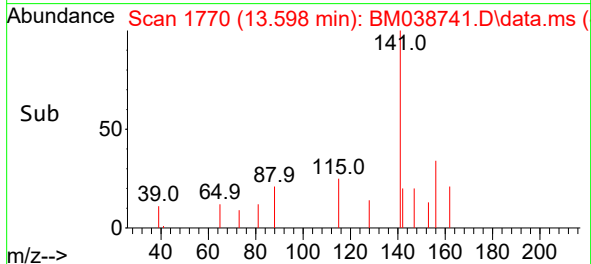
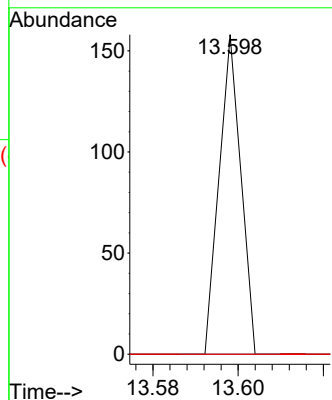
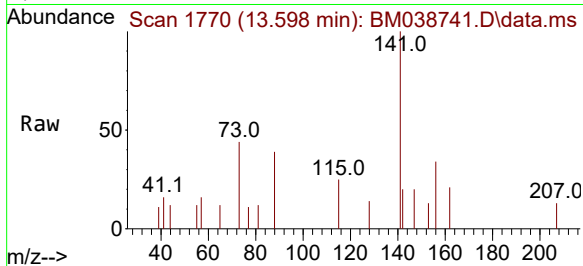




#48
2-Nitroaniline
Concen: 2.194 ng
RT: 13.598 min Scan# 11
Delta R.T. -0.041 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54

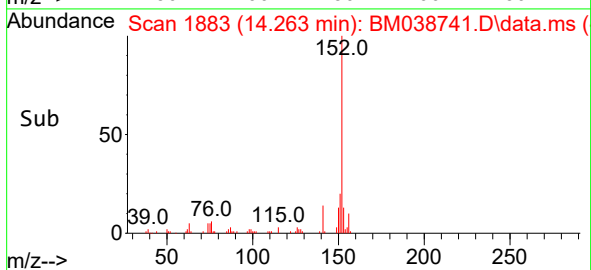
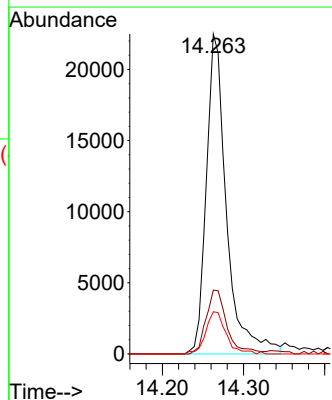
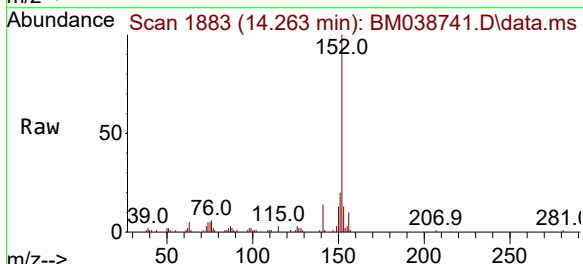
Instrument :
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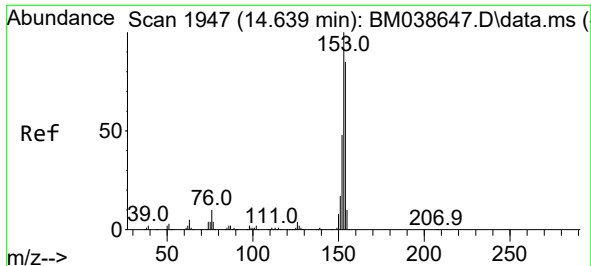
Tgt Ion: 65 Resp: 56
Ion Ratio Lower Upper
65 100
92 0.0 55.9 83.9#
138 0.0 110.6 166.0#



#49
Acenaphthylene
Concen: 2.452 ng
RT: 14.263 min Scan# 1883
Delta R.T. -0.006 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54

Tgt Ion:152 Resp: 38756
Ion Ratio Lower Upper
152 100
151 20.0 16.1 24.1
153 13.2 10.0 15.0

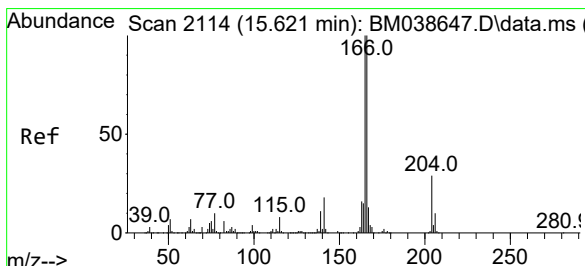
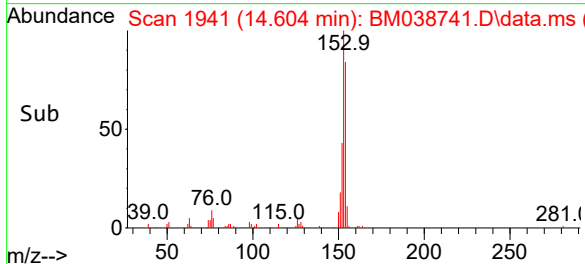
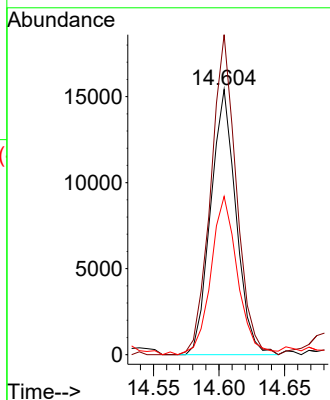
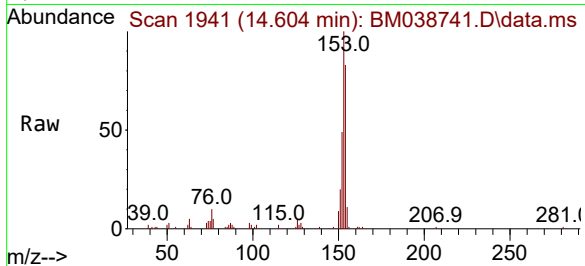




#52
Acenaphthene
Concen: 2.191 ng
RT: 14.604 min Scan# 1941
Delta R.T. -0.006 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54

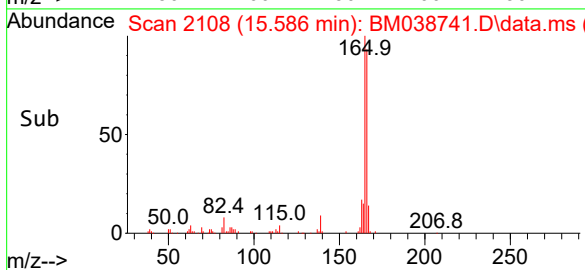
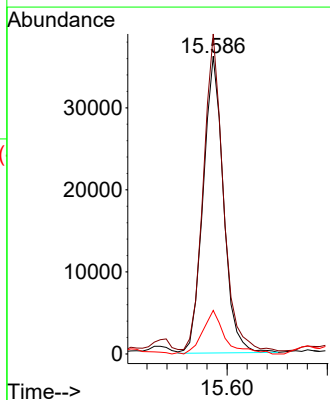
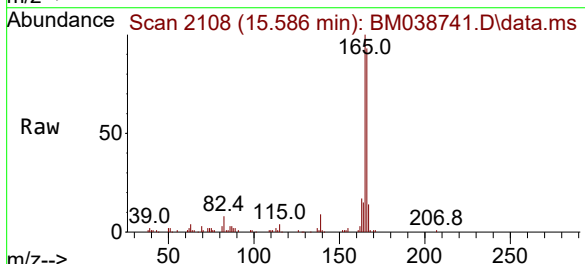
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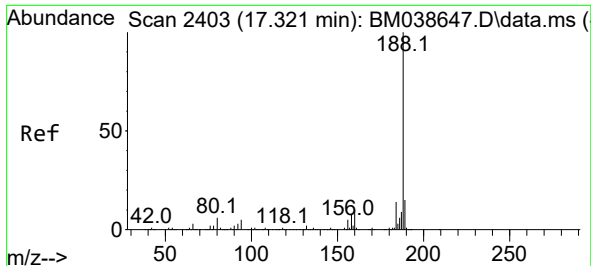
Tgt Ion:154 Resp: 20675
Ion Ratio Lower Upper
154 100
153 120.6 93.7 140.5
152 59.7 44.6 67.0



#58
Fluorene
Concen: 3.969 ng
RT: 15.586 min Scan# 2108
Delta R.T. -0.006 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54

Tgt Ion:166 Resp: 51025
Ion Ratio Lower Upper
166 100
165 107.4 80.2 120.4
167 14.6 10.7 16.1

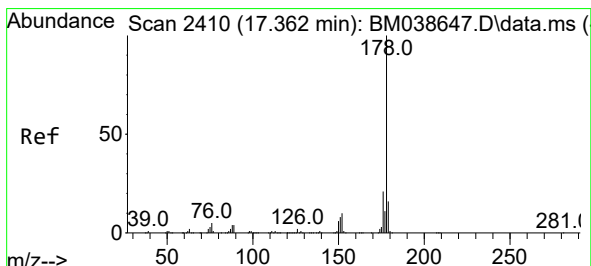
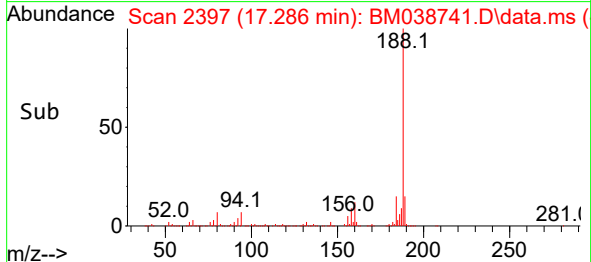
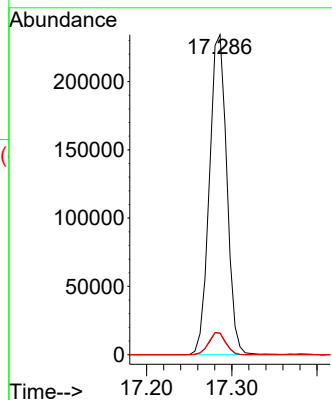
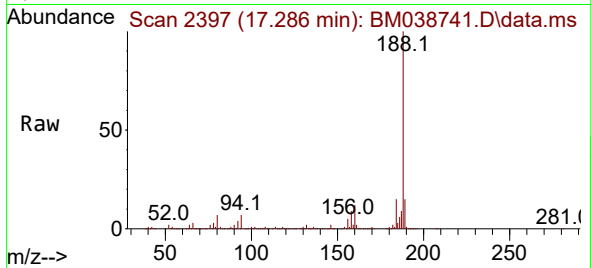




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.286 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54

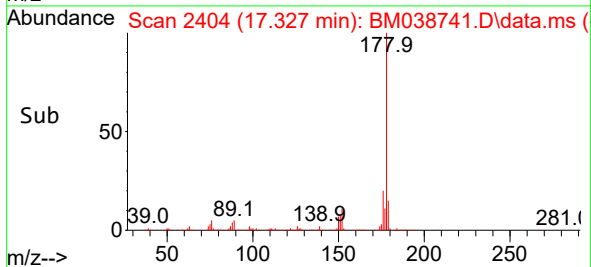
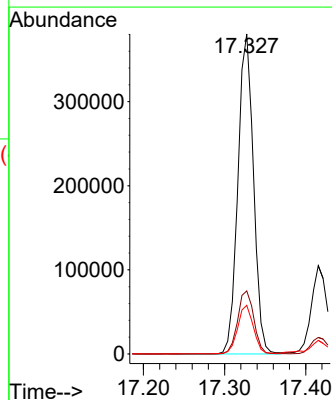
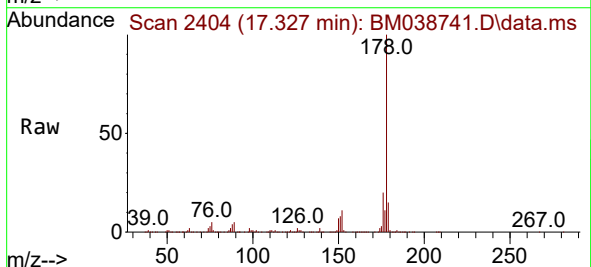
Instrument :
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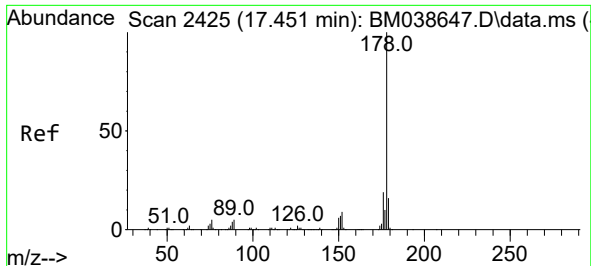
Tgt Ion:188 Resp: 332788
Ion Ratio Lower Upper
188 100
94 6.7 4.2 6.4#
80 6.7 4.6 7.0



#71
Phenanthrene
Concen: 25.614 ng
RT: 17.327 min Scan# 2404
Delta R.T. 0.000 min
Lab File: BM038741.D
Acq: 14 Feb 2023 21:54

Tgt Ion:178 Resp: 506126
Ion Ratio Lower Upper
178 100
176 19.7 16.7 25.1
179 15.2 12.5 18.7

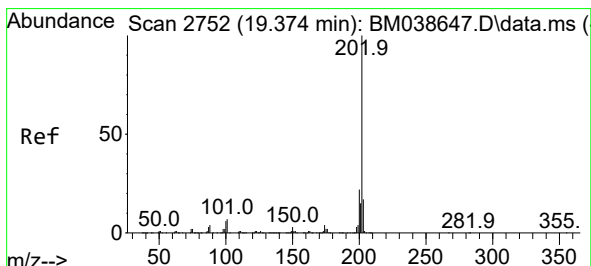
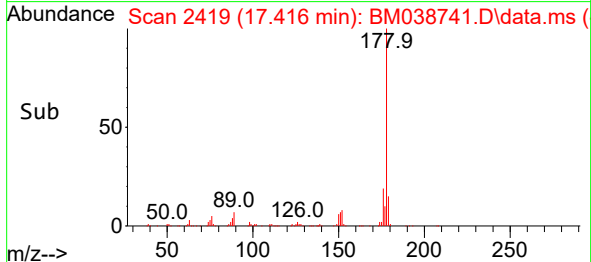
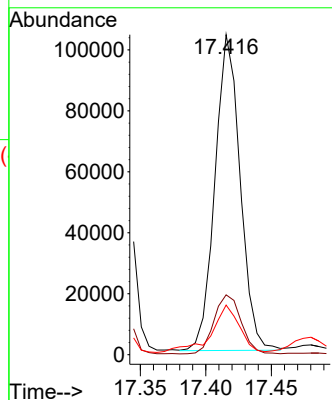
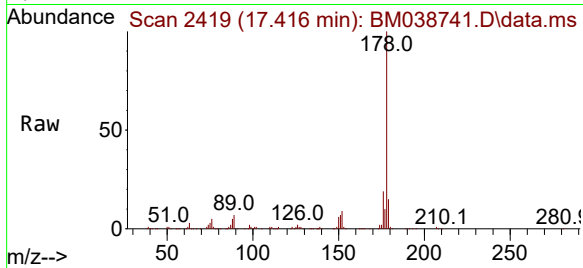




#72
 Anthracene
 Concen: 6.848 ng
 RT: 17.416 min Scan# 2425
 Delta R.T. -0.006 min
 Lab File: BM038741.D
 Acq: 14 Feb 2023 21:54

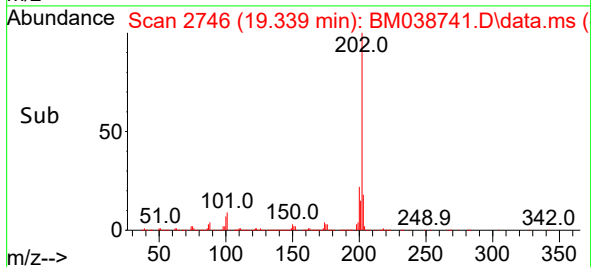
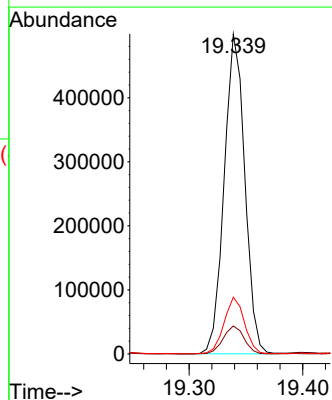
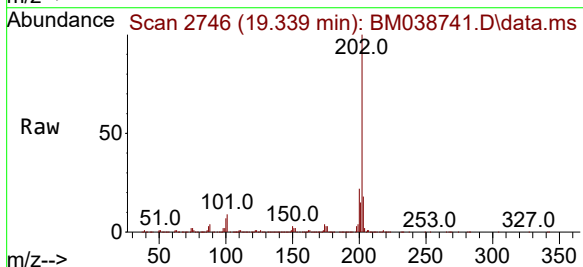
Instrument :
 BNA_M
 ClientSampleId :
 PL-01-021023DL

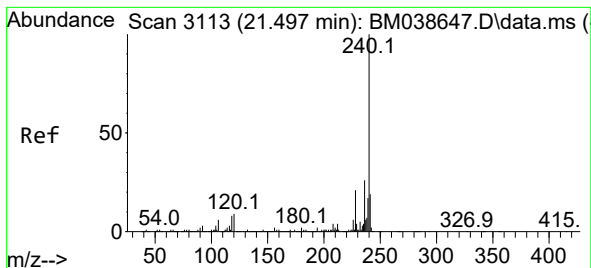
Tgt Ion:178 Resp: 138423
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.6 23.4
 179 15.5 12.4 18.6



#75
 Fluoranthene
 Concen: 30.325 ng
 RT: 19.339 min Scan# 2746
 Delta R.T. 0.000 min
 Lab File: BM038741.D
 Acq: 14 Feb 2023 21:54

Tgt Ion:202 Resp: 629156
 Ion Ratio Lower Upper
 202 100
 101 8.7 0.0 27.4
 203 17.7 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.462 min Scan# 31

Delta R.T. 0.000 min

Lab File: BM038741.D

Acq: 14 Feb 2023 21:54

Instrument :

BNA_M

ClientSampleId :

PL-01-021023DL

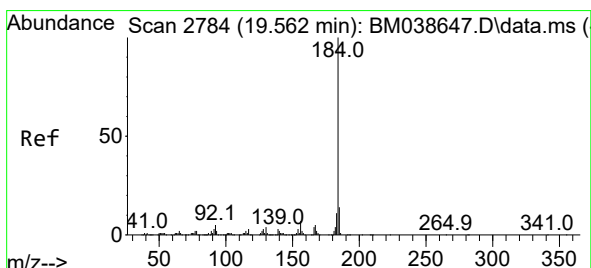
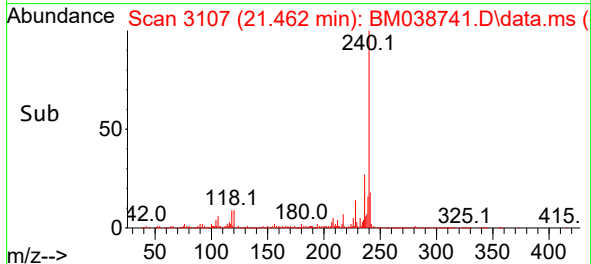
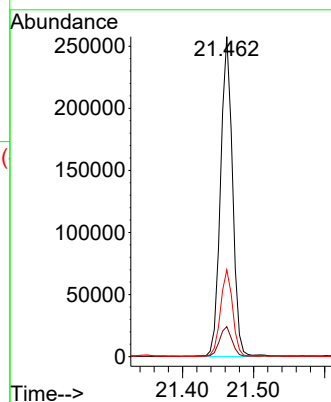
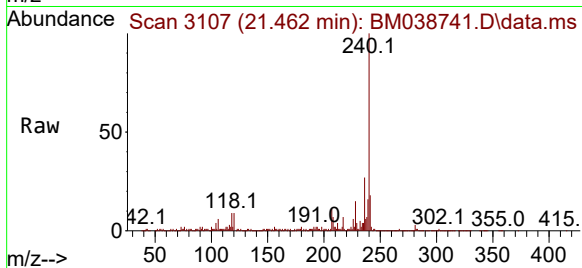
Tgt Ion:240 Resp: 301034

Ion Ratio Lower Upper

240 100

120 9.4 7.0 10.4

236 27.1 20.9 31.3



#77

Benzidine

Concen: 3.129 ng

RT: 19.539 min Scan# 2780

Delta R.T. 0.006 min

Lab File: BM038741.D

Acq: 14 Feb 2023 21:54

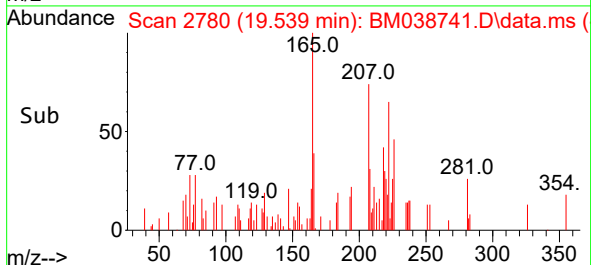
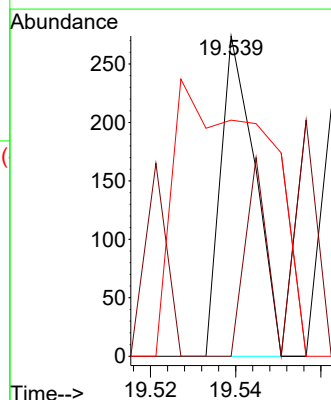
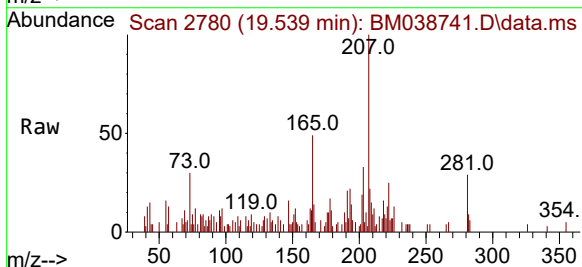
Tgt Ion:184 Resp: 153

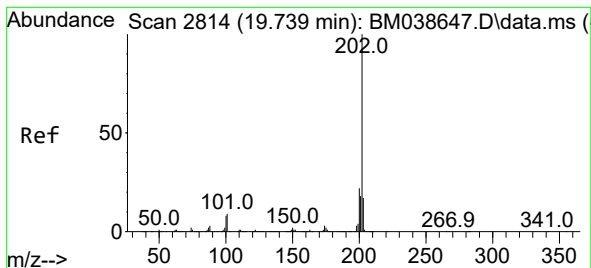
Ion Ratio Lower Upper

184 100

185 0.0 10.8 16.2#

183 73.7 8.8 13.2#





#78

Pyrene

Concen: 26.357 ng

RT: 19.704 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM038741.D

Acq: 14 Feb 2023 21:54

Instrument :

BNA_M

ClientSampleId :

PL-01-021023DL

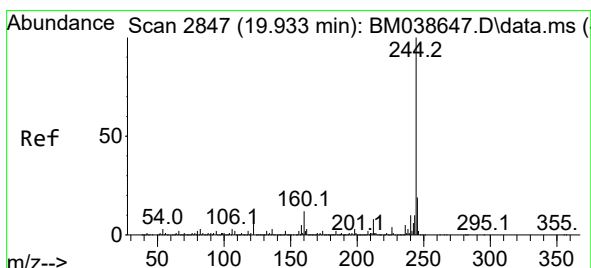
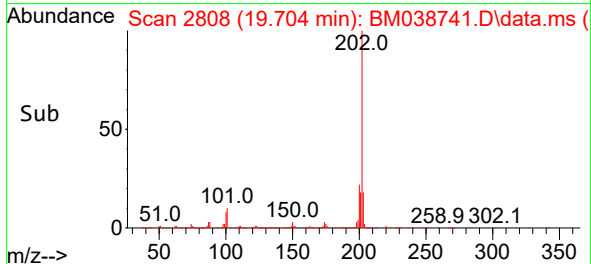
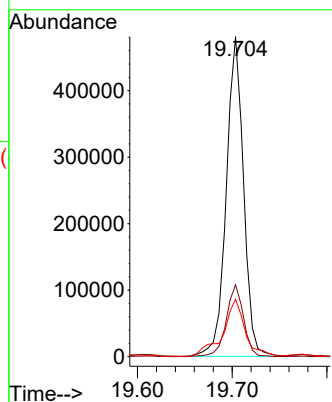
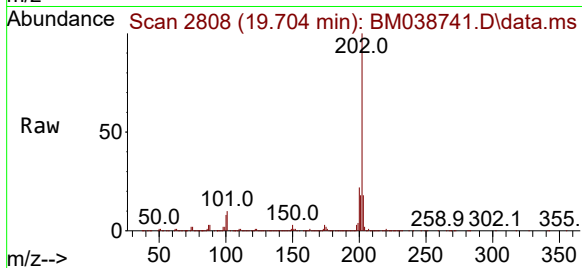
Tgt Ion:202 Resp: 610879

Ion Ratio Lower Upper

202 100

200 22.5 17.8 26.6

203 17.9 13.5 20.3



#79

Terphenyl-d14

Concen: 2.642 ng

RT: 19.898 min Scan# 2841

Delta R.T. -0.006 min

Lab File: BM038741.D

Acq: 14 Feb 2023 21:54

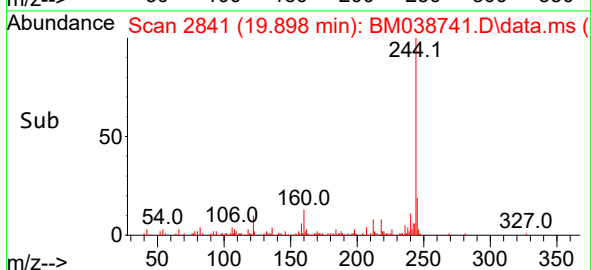
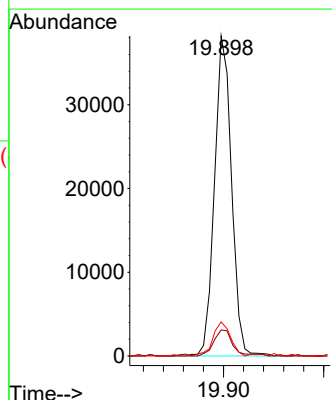
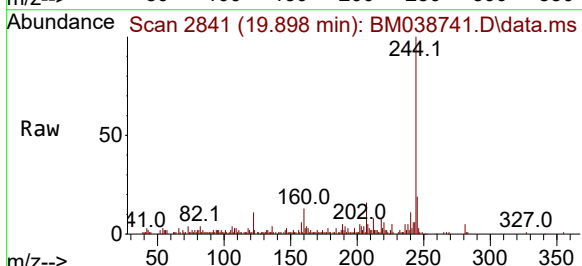
Tgt Ion:244 Resp: 45069

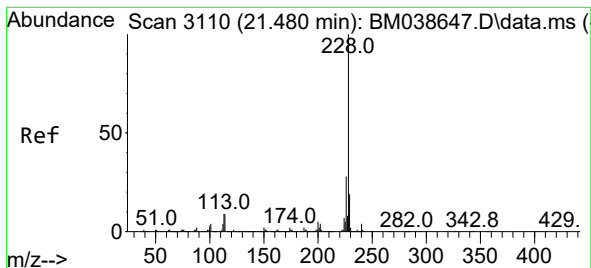
Ion Ratio Lower Upper

244 100

212 8.2 6.6 9.8

122 10.6 7.8 11.8





#81

Benzo(a)anthracene

Concen: 13.758 ng

RT: 21.445 min Scan# 3110

Delta R.T. 0.000 min

Lab File: BM038741.D

Acq: 14 Feb 2023 21:54

Instrument :

BNA_M

ClientSampleId :

PL-01-021023DL

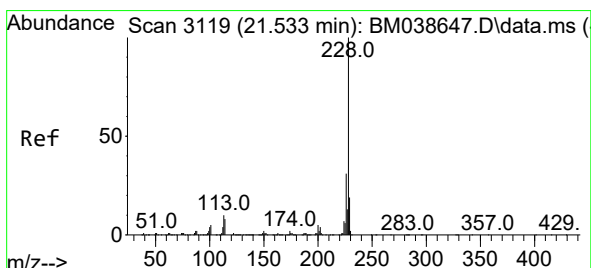
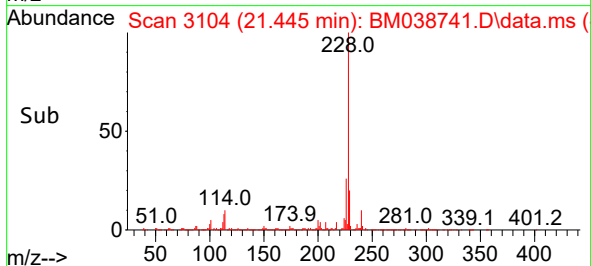
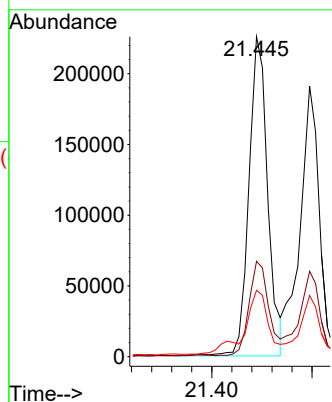
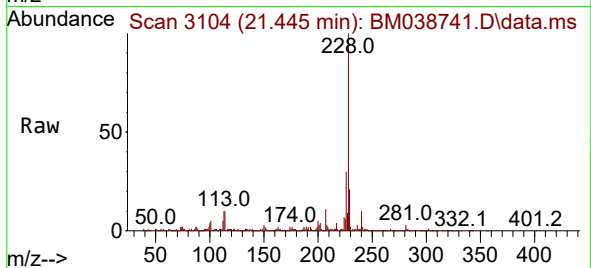
Tgt Ion:228 Resp: 292976

Ion Ratio Lower Upper

228 100

226 29.8 22.2 33.4

229 20.8 15.5 23.3



#83

Chrysene

Concen: 12.370 ng

RT: 21.498 min Scan# 3113

Delta R.T. -0.006 min

Lab File: BM038741.D

Acq: 14 Feb 2023 21:54

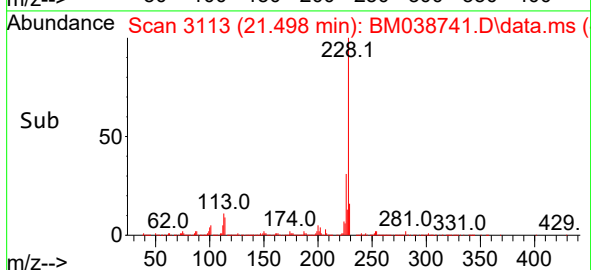
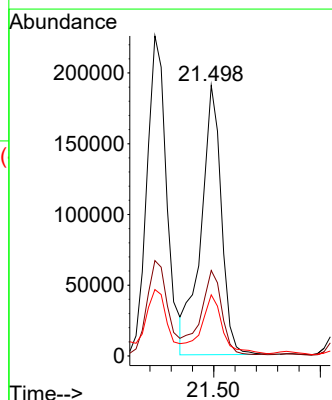
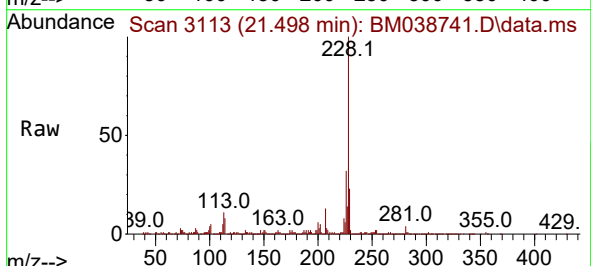
Tgt Ion:228 Resp: 253787

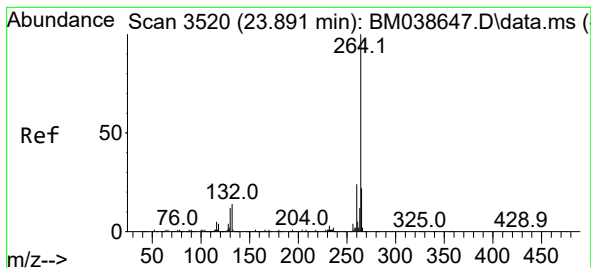
Ion Ratio Lower Upper

228 100

226 31.6 24.7 37.1

229 22.6 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.845 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM038741.D

Acq: 14 Feb 2023 21:54

Instrument :

BNA_M

ClientSampleId :

PL-01-021023DL

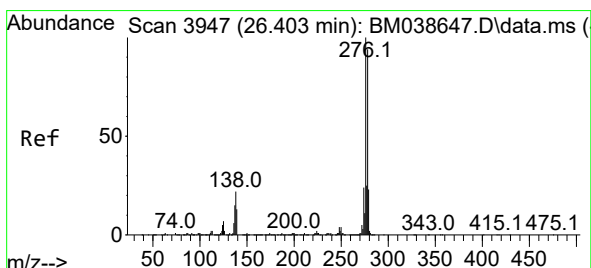
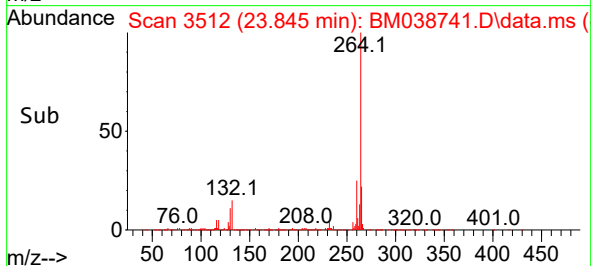
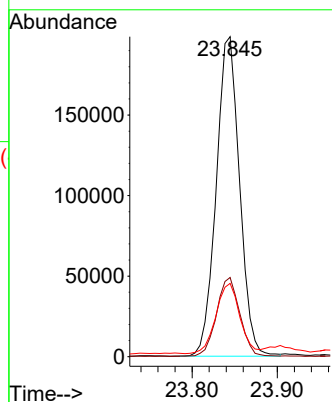
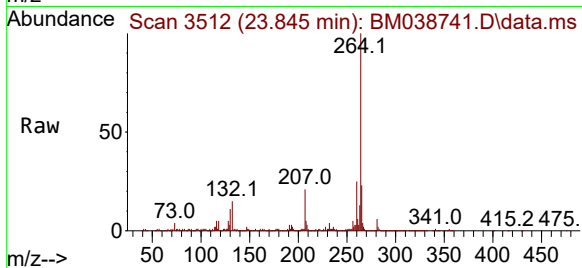
Tgt Ion:264 Resp: 377608

Ion Ratio Lower Upper

264 100

260 24.8 19.6 29.4

265 22.9 17.9 26.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.087 ng

RT: 26.309 min Scan# 3931

Delta R.T. -0.006 min

Lab File: BM038741.D

Acq: 14 Feb 2023 21:54

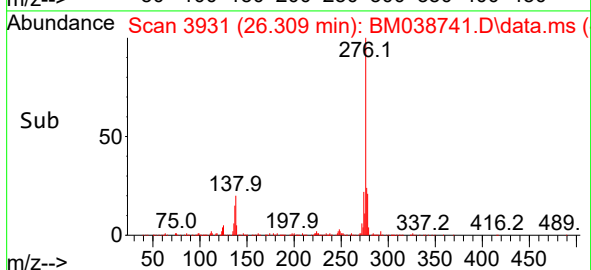
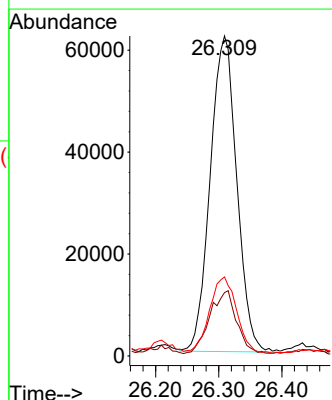
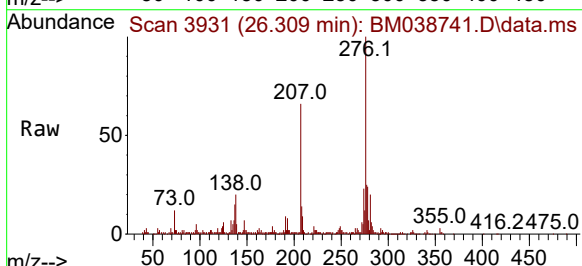
Tgt Ion:276 Resp: 181045

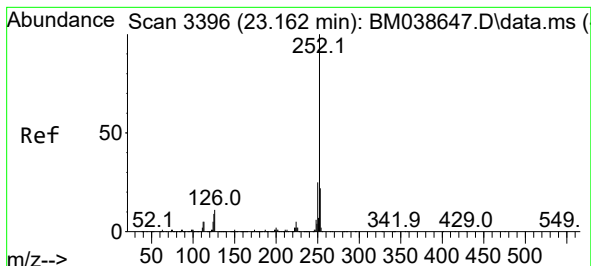
Ion Ratio Lower Upper

276 100

138 20.4 17.2 25.8

277 24.7 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 15.804 ng

RT: 23.121 min Scan# 3389

Delta R.T. 0.006 min

Lab File: BM038741.D

Acq: 14 Feb 2023 21:54

Instrument :

BNA_M

ClientSampleId :

PL-01-021023DL

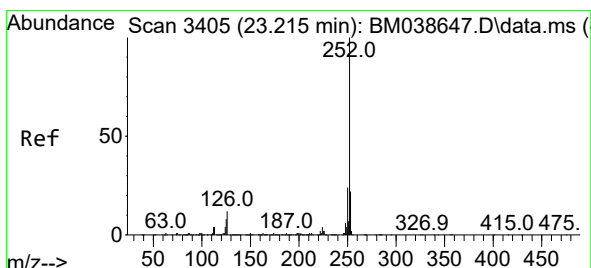
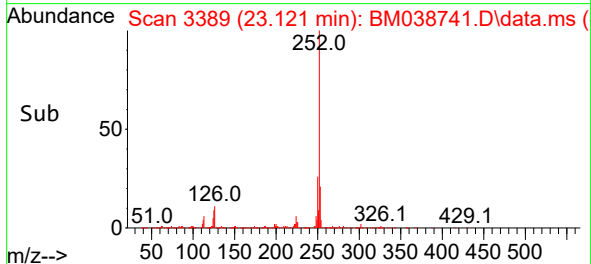
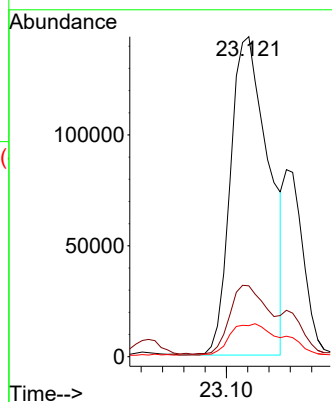
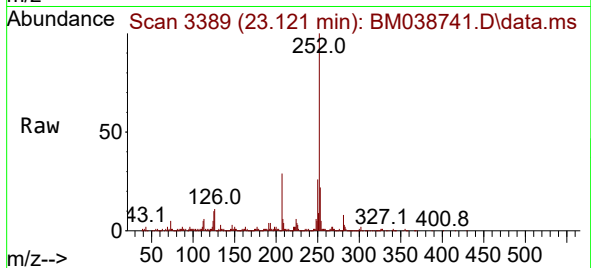
Tgt Ion:252 Resp: 357446

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 9.7 7.0 10.6



#89

Benzo(k)fluoranthene

Concen: 15.563 ng

RT: 23.121 min Scan# 3389

Delta R.T. -0.041 min

Lab File: BM038741.D

Acq: 14 Feb 2023 21:54

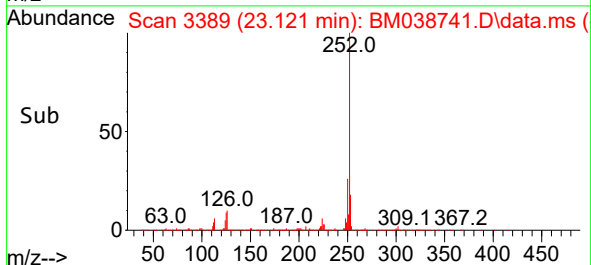
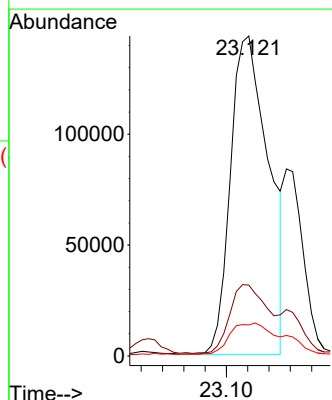
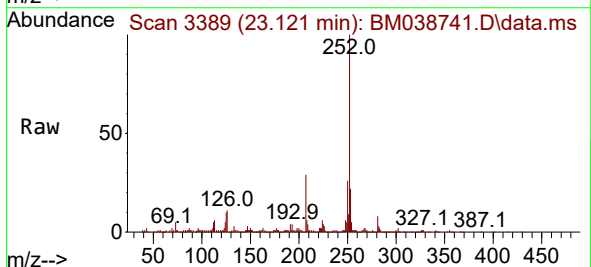
Tgt Ion:252 Resp: 357446

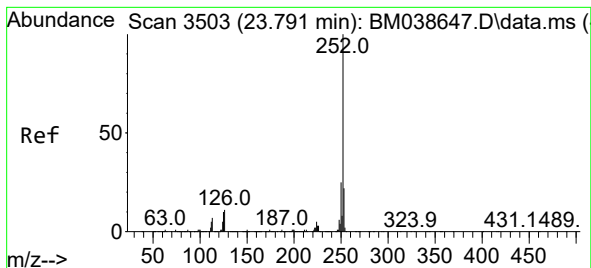
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

125 9.7 6.6 9.8





#90

Benzo(a)pyrene

Concen: 12.828 ng

RT: 23.739 min Scan# 34

Delta R.T. 0.000 min

Lab File: BM038741.D

Acq: 14 Feb 2023 21:54

Instrument :

BNA_M

ClientSampleId :

PL-01-021023DL

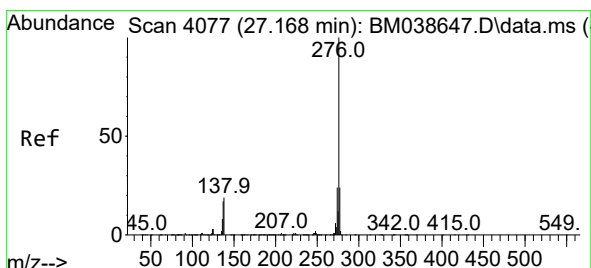
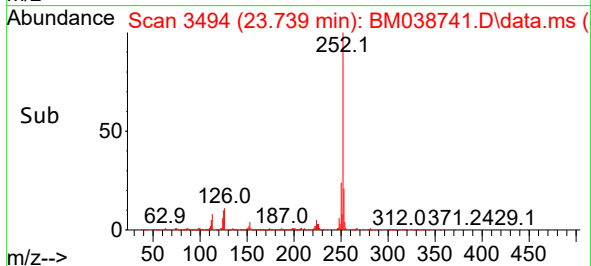
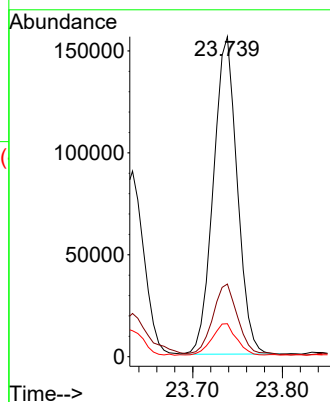
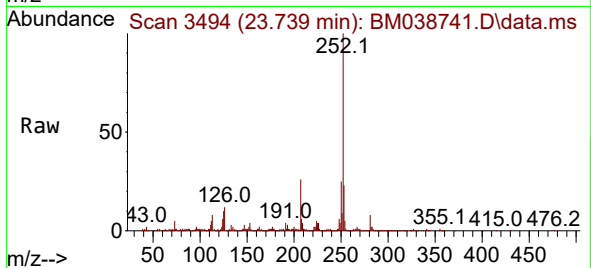
Tgt Ion:252 Resp: 286922

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 10.3 7.8 11.8



#92

Benzo(g,h,i)perylene

Concen: 7.170 ng

RT: 27.074 min Scan# 4061

Delta R.T. -0.006 min

Lab File: BM038741.D

Acq: 14 Feb 2023 21:54

Tgt Ion:276 Resp: 181372

Ion Ratio Lower Upper

276 100

277 25.4 19.1 28.7

138 22.0 15.3 22.9

