

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
 Data File : BM041054.D
 Acq On : 22 Jul 2023 14:34
 Operator : MA/JU
 Sample : 03472-36DL 5X
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 22 22:36:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 22 22:33:48 2023
 Response via : Initial Calibration

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

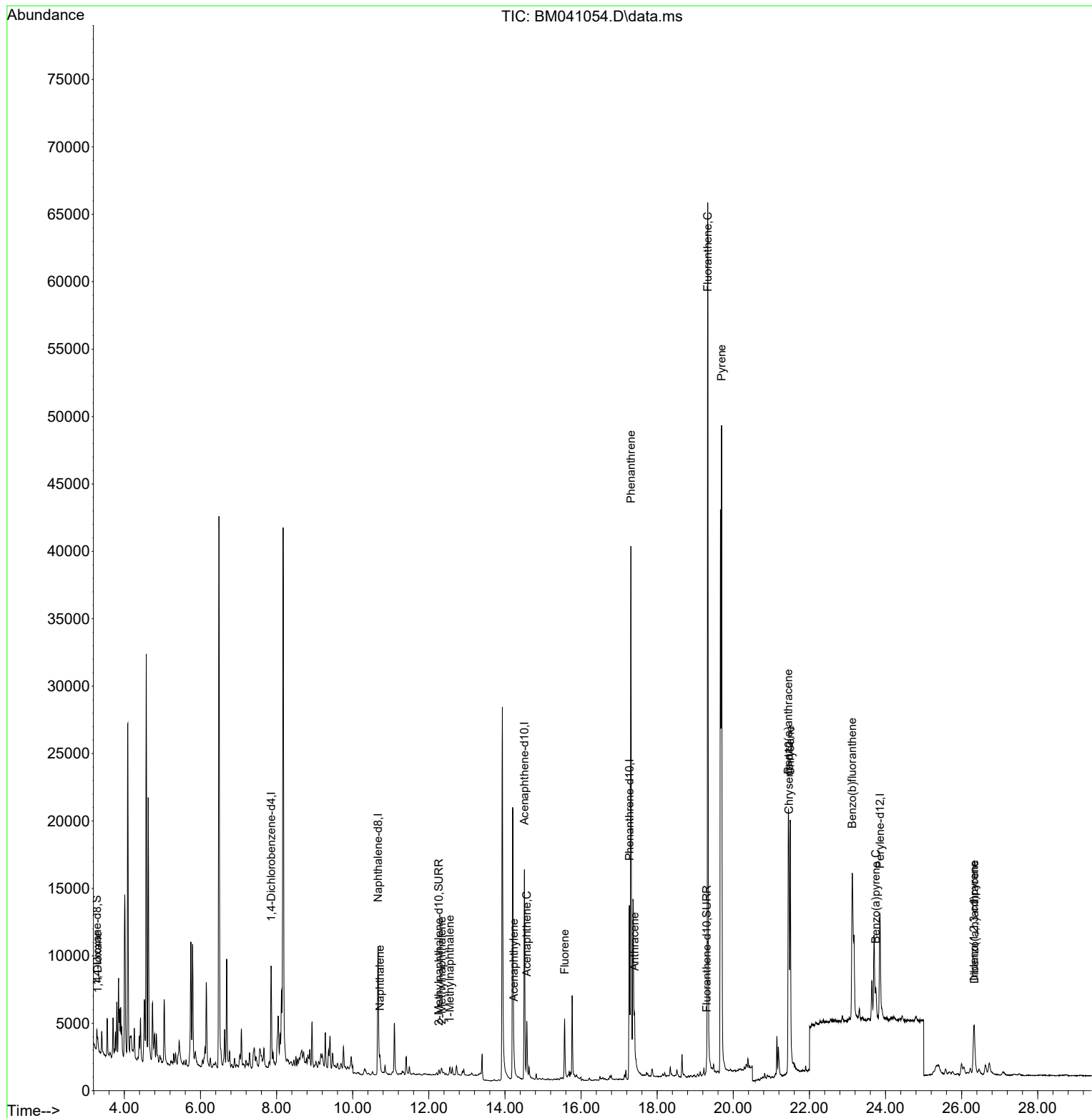
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	4185	0.400	ng/ul	0.00
4) Naphthalene-d8	10.664	136	15934	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.513	164	9126	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.270	188	16757	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.463	240	11434	0.400	ng/ul	0.00
23) Perylene-d12	23.854	264	11766	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.280	96	1030	0.150	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.264	152	832	0.039	ng/ul	0.00
18) Fluoranthene-d10	19.301	212	1404	0.029	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.301	88	204	0.028	ng/ul#	1
5) Naphthalene	10.713	128	1632	0.037	ng/ul#	82
7) 2-Methylnaphthalene	12.341	142	567	0.024	ng/ul	98
8) 1-Methylnaphthalene	12.555	142	528	0.021	ng/ul	96
10) Acenaphthylene	14.236	152	1113	0.029	ng/ul#	73
11) Acenaphthene	14.573	153	2574	0.076	ng/ul	99
12) Fluorene	15.568	166	3330	0.095	ng/ul	99
15) Phenanthrene	17.312	178	46634	0.931	ng/ul	98
16) Anthracene	17.405	178	5178	0.133	ng/ul#	94
19) Fluoranthene	19.329	202	57122	0.968	ng/ul#	93
20) Pyrene	19.692	202	43028	0.713	ng/ul	94
21) Benzo(a)anthracene	21.445	228	18338	0.526	ng/ul	99
22) Chrysene	21.498	228	17971	0.451	ng/ul	98
24) Benzo(b)fluoranthene	23.126	252	20420	0.452	ng/ul	96
26) Benzo(a)pyrene	23.746	252	3073	0.079	ng/ul#	66
27) Indeno(1,2,3-cd)pyrene	26.327	276	6944	0.134	ng/ul#	82
28) Dibenzo(a,h)anthracene	26.334	278	2127	0.054	ng/ul#	56

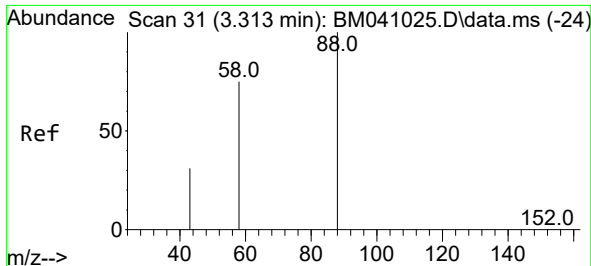
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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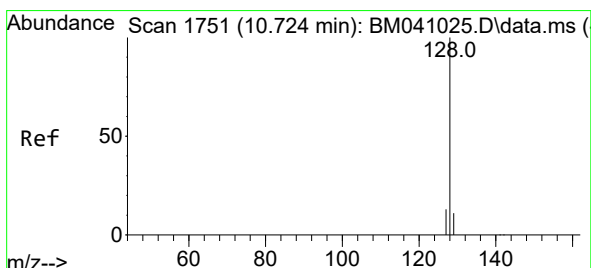
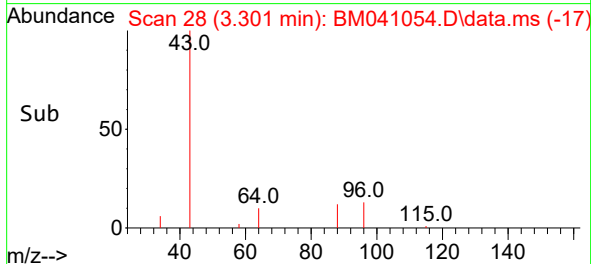
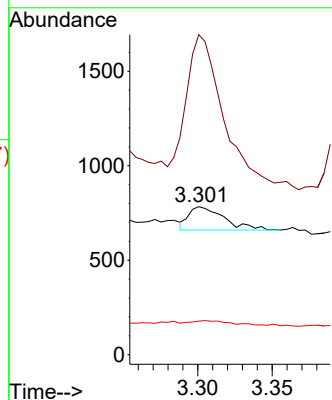
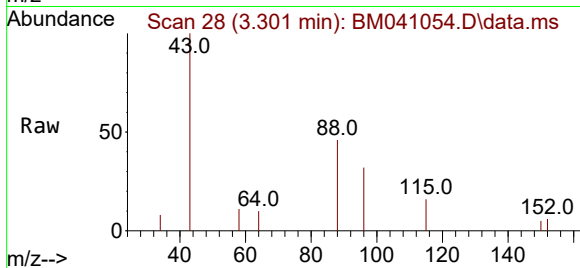




#2
1,4-Dioxane
Concen: 0.028 ng/ul
RT: 3.301 min Scan# 21
Delta R.T. -0.013 min
Lab File: BM041054.D
Acq: 22 Jul 2023 14:34

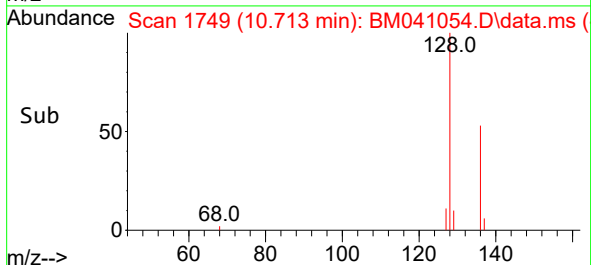
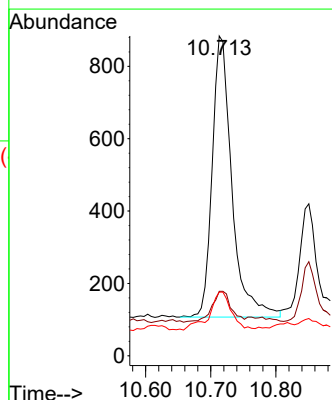
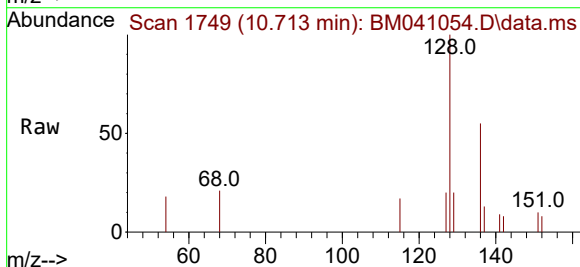
Instrument :
BNA_M
ClientSampleId :

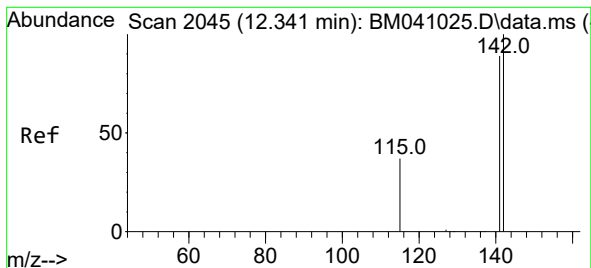
Tgt Ion: 88 Resp: 204
Ion Ratio Lower Upper
88 100
43 216.3 46.7 70.1#
58 22.7 40.3 60.5#



#5
Naphthalene
Concen: 0.037 ng/ul
RT: 10.713 min Scan# 1749
Delta R.T. -0.005 min
Lab File: BM041054.D
Acq: 22 Jul 2023 14:34

Tgt Ion: 128 Resp: 1632
Ion Ratio Lower Upper
128 100
129 20.1 9.8 14.8#
127 19.9 11.0 16.4#

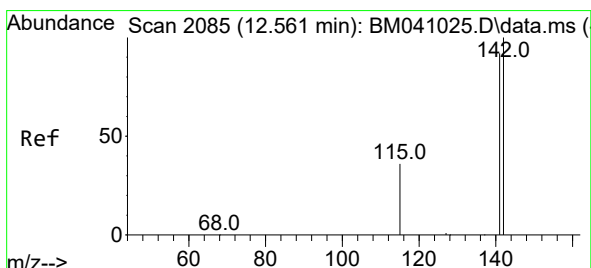
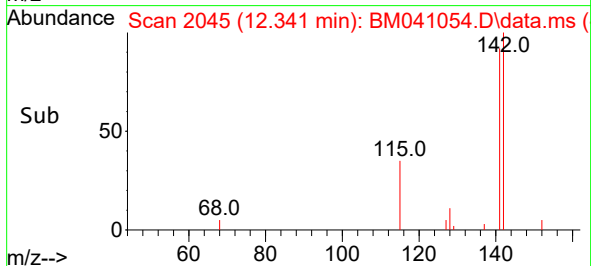
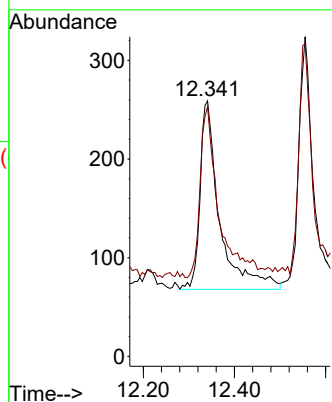
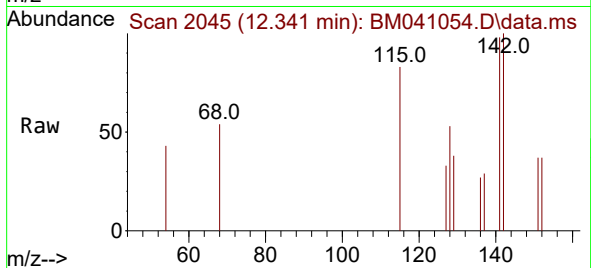




#7
2-Methylnaphthalene
Concen: 0.024 ng/ul
RT: 12.341 min Scan# 2045
Delta R.T. 0.006 min
Lab File: BM041054.D
Acq: 22 Jul 2023 14:34

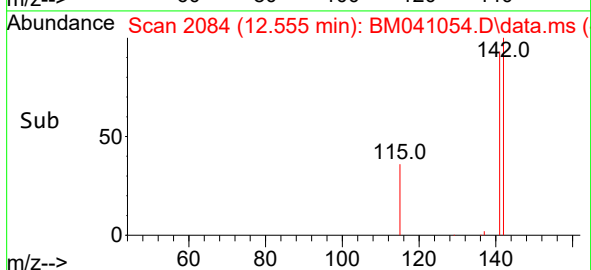
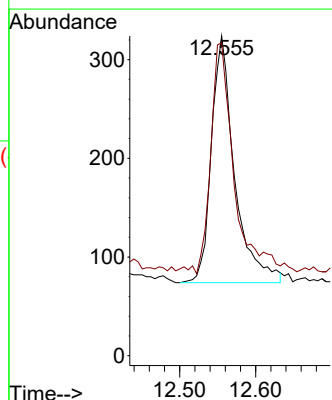
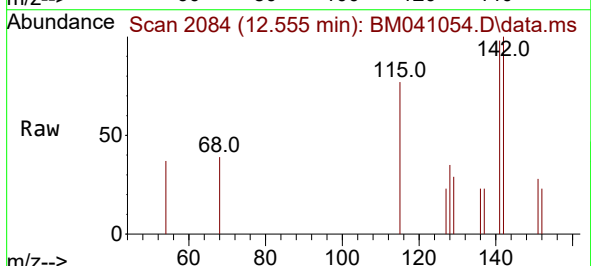
Instrument :
BNA_M
ClientSampleId :

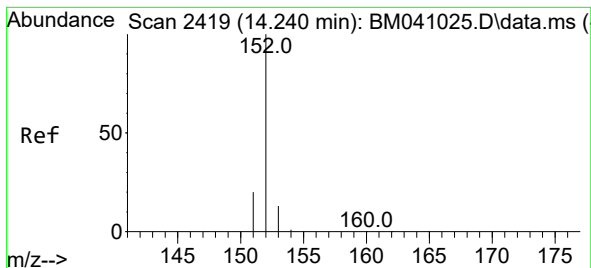
Tgt Ion:142 Resp: 567
Ion Ratio Lower Upper
142 100
141 89.8 73.2 109.8



#8
1-Methylnaphthalene
Concen: 0.021 ng/ul
RT: 12.555 min Scan# 2084
Delta R.T. 0.000 min
Lab File: BM041054.D
Acq: 22 Jul 2023 14:34

Tgt Ion:142 Resp: 528
Ion Ratio Lower Upper
142 100
141 88.1 73.4 110.2





#10

Acenaphthylene

Concen: 0.029 ng/ul

RT: 14.236 min Scan# 2418

Delta R.T. 0.000 min

Lab File: BM041054.D

Acq: 22 Jul 2023 14:34

Instrument :

BNA_M

ClientSampleId :

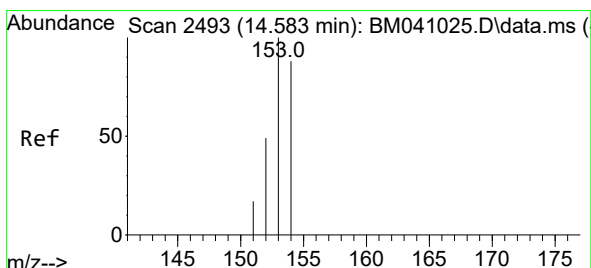
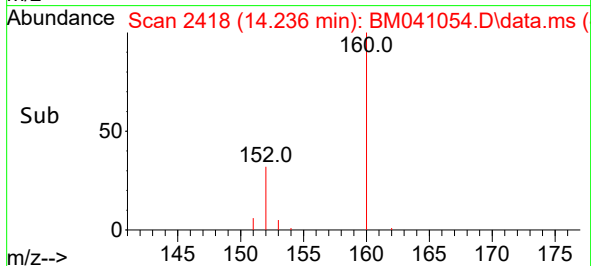
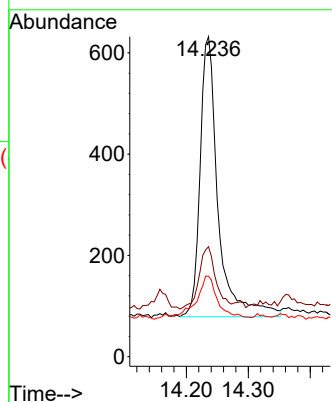
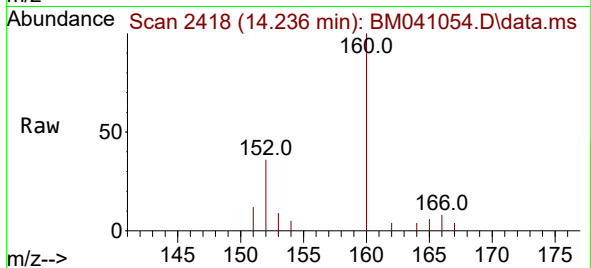
Tgt Ion:152 Resp: 1113

Ion Ratio Lower Upper

152 100

151 34.3 16.8 25.2#

153 25.2 11.6 17.4#



#11

Acenaphthene

Concen: 0.076 ng/ul

RT: 14.573 min Scan# 2491

Delta R.T. 0.000 min

Lab File: BM041054.D

Acq: 22 Jul 2023 14:34

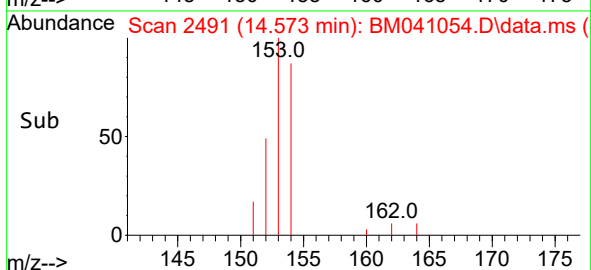
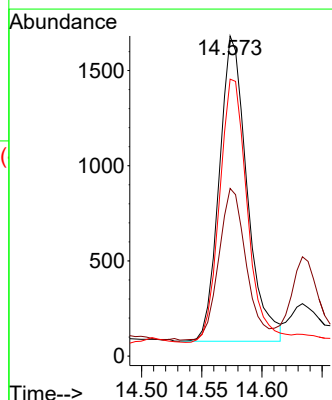
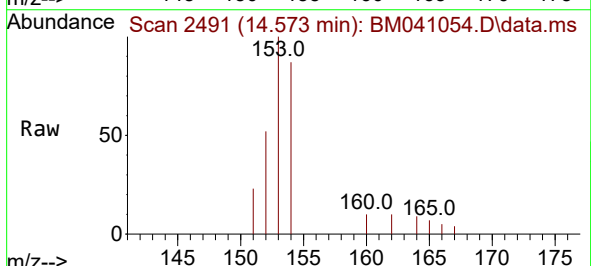
Tgt Ion:153 Resp: 2574

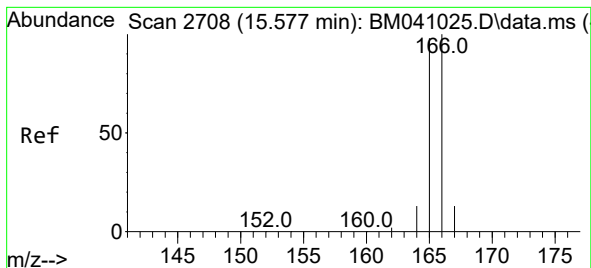
Ion Ratio Lower Upper

153 100

152 52.4 41.0 61.6

154 86.5 68.2 102.2





#12

Fluorene

Concen: 0.095 ng/ul

RT: 15.568 min Scan# 21

Delta R.T. -0.005 min

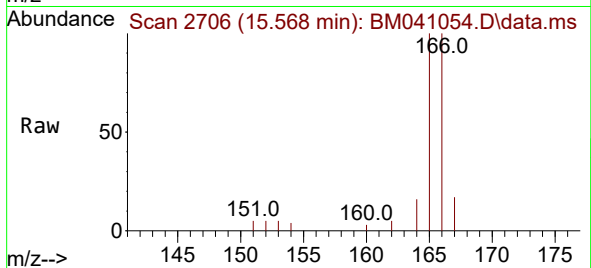
Lab File: BM041054.D

Acq: 22 Jul 2023 14:34

Instrument :

BNA_M

ClientSampleId :



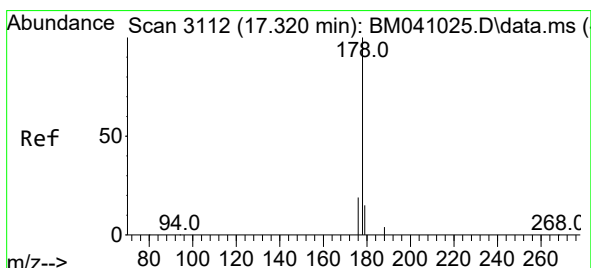
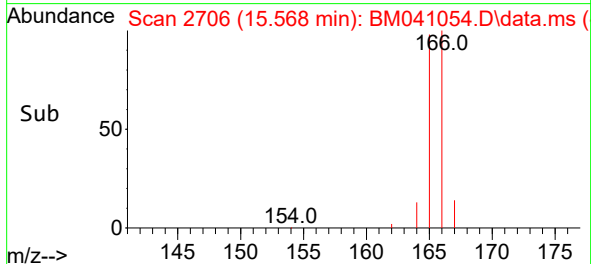
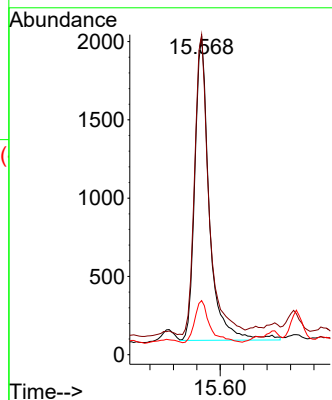
Tgt Ion:166 Resp: 3330

Ion Ratio Lower Upper

166 100

165 100.3 80.3 120.5

167 17.0 11.7 17.5



#15

Phenanthrene

Concen: 0.931 ng/ul

RT: 17.312 min Scan# 3110

Delta R.T. -0.004 min

Lab File: BM041054.D

Acq: 22 Jul 2023 14:34

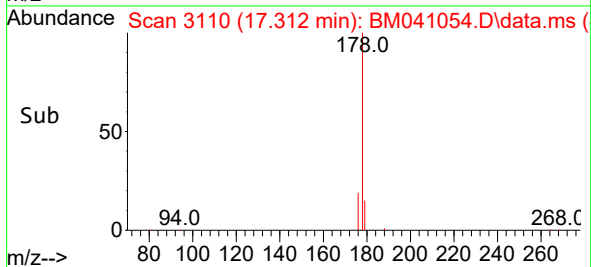
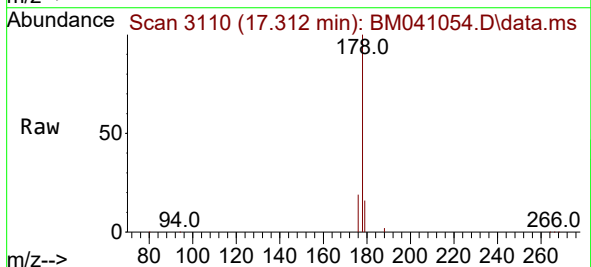
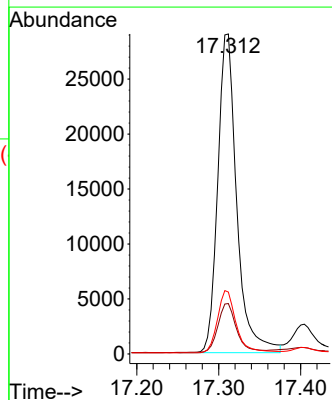
Tgt Ion:178 Resp: 46634

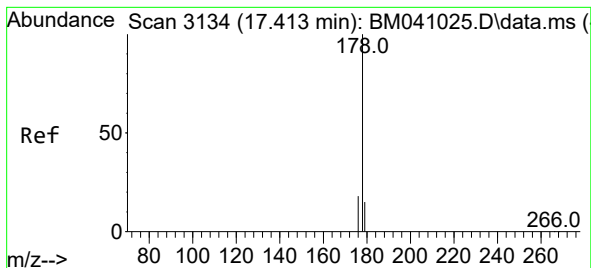
Ion Ratio Lower Upper

178 100

179 15.8 13.0 19.6

176 19.4 16.2 24.4





#16

Anthracene

Concen: 0.133 ng/ul

RT: 17.405 min Scan# 3134

Delta R.T. -0.004 min

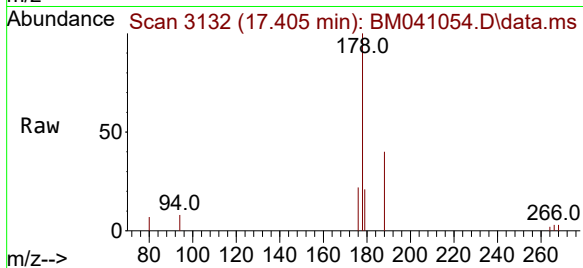
Lab File: BM041054.D

Acq: 22 Jul 2023 14:34

Instrument :

BNA_M

ClientSampleId :



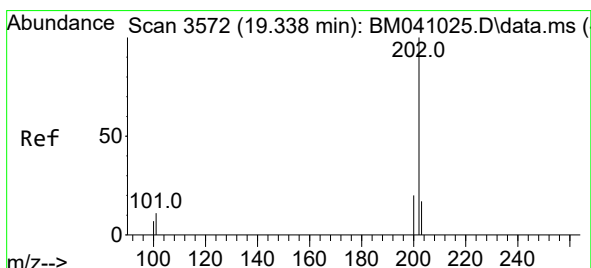
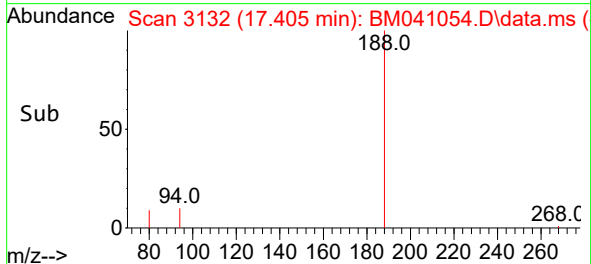
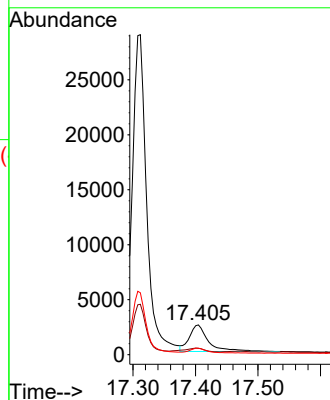
Tgt Ion:178 Resp: 5178

Ion Ratio Lower Upper

178 100

179 21.5 13.7 20.5#

176 21.8 16.4 24.6



#19

Fluoranthene

Concen: 0.968 ng/ul

RT: 19.329 min Scan# 3570

Delta R.T. -0.005 min

Lab File: BM041054.D

Acq: 22 Jul 2023 14:34

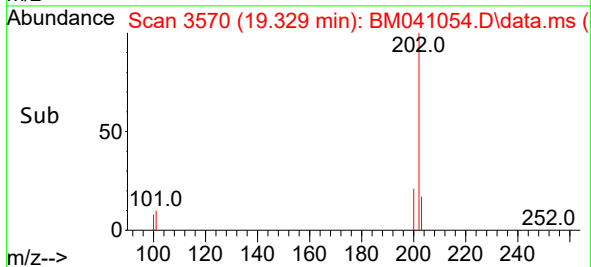
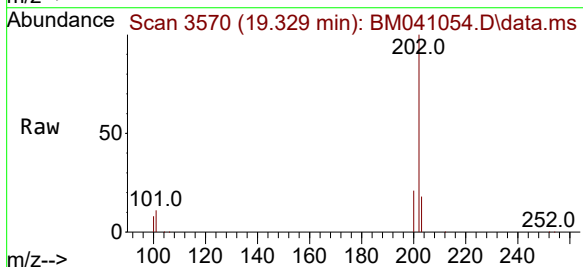
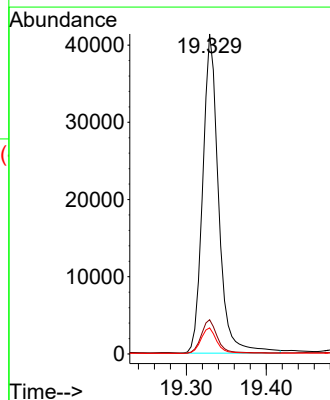
Tgt Ion:202 Resp: 57122

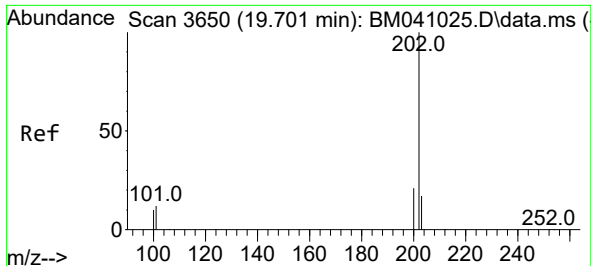
Ion Ratio Lower Upper

202 100

101 10.7 11.0 16.4#

100 8.1 8.3 12.5#

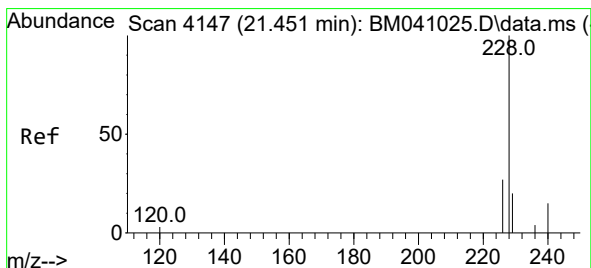
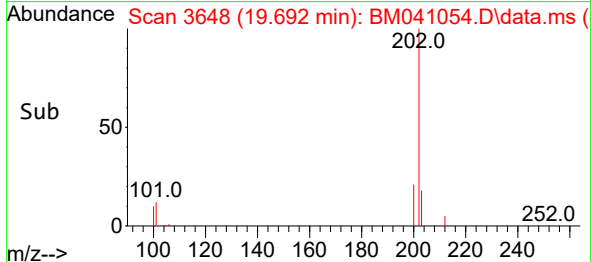
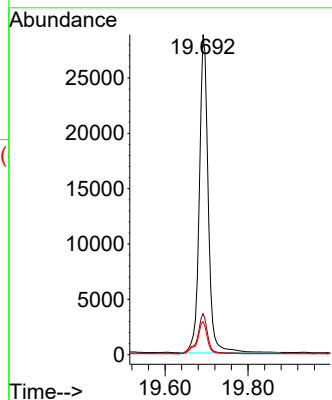
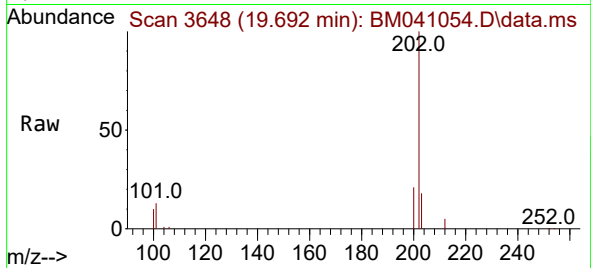




#20
Pyrene
Concen: 0.713 ng/ul
RT: 19.692 min Scan# 3648
Delta R.T. -0.005 min
Lab File: BM041054.D
Acq: 22 Jul 2023 14:34

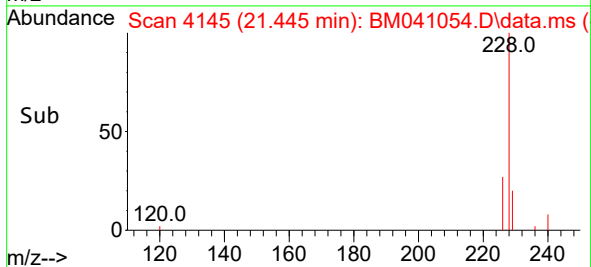
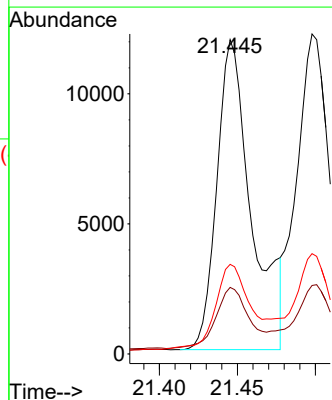
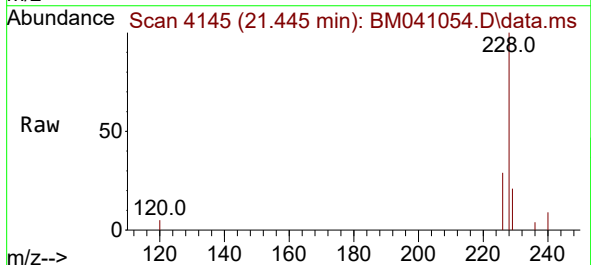
Instrument :
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ClientSampleId :

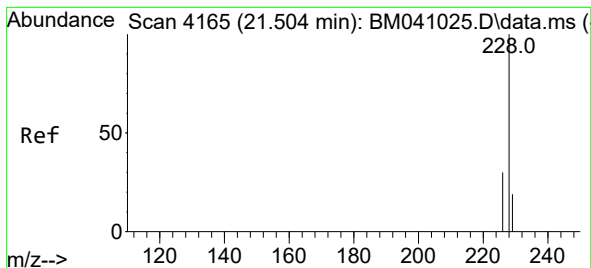
Tgt Ion:202 Resp: 43028
Ion Ratio Lower Upper
202 100
101 12.8 12.5 18.7
100 10.3 10.0 15.0



#21
Benzo(a)anthracene
Concen: 0.526 ng/ul
RT: 21.445 min Scan# 4145
Delta R.T. -0.003 min
Lab File: BM041054.D
Acq: 22 Jul 2023 14:34

Tgt Ion:228 Resp: 18338
Ion Ratio Lower Upper
228 100
229 21.2 16.2 24.4
226 28.5 22.3 33.5





#22

Chrysene

Concen: 0.451 ng/ul

RT: 21.498 min Scan# 41

Delta R.T. -0.003 min

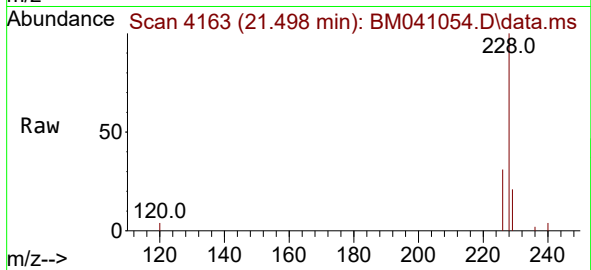
Lab File: BM041054.D

Acq: 22 Jul 2023 14:34

Instrument :

BNA_M

ClientSampleId :



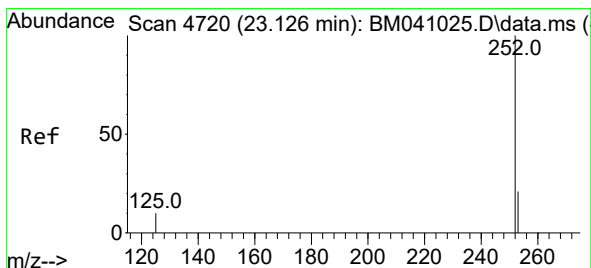
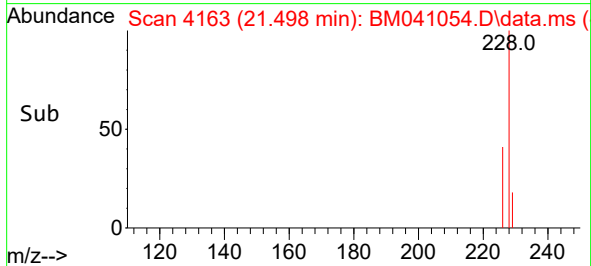
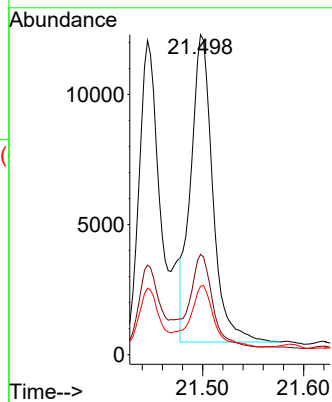
Tgt Ion:228 Resp: 17971

Ion Ratio Lower Upper

228 100

226 31.4 24.6 37.0

229 21.4 16.1 24.1



#24

Benzo(b)fluoranthene

Concen: 0.452 ng/ul

RT: 23.126 min Scan# 4720

Delta R.T. 0.000 min

Lab File: BM041054.D

Acq: 22 Jul 2023 14:34

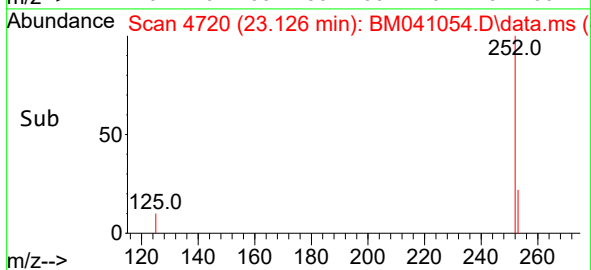
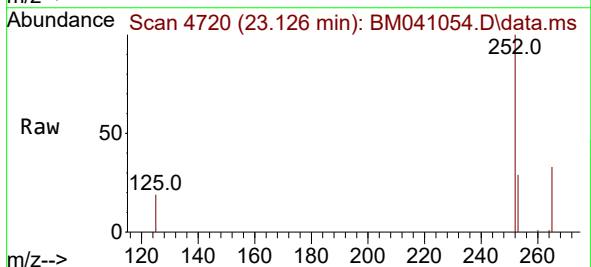
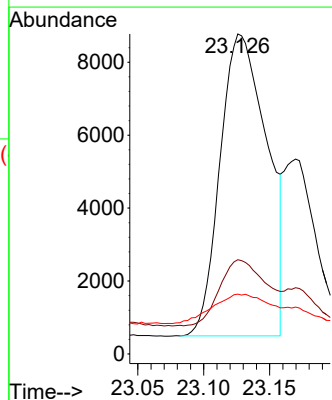
Tgt Ion:252 Resp: 20420

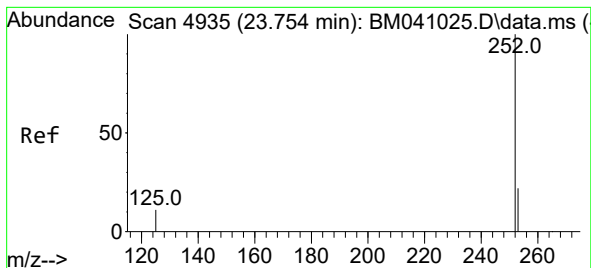
Ion Ratio Lower Upper

252 100

253 29.5 0.0 57.4

125 18.7 0.0 45.2





#26

Benzo(a)pyrene

Concen: 0.079 ng/ul

RT: 23.746 min Scan# 4935

Delta R.T. -0.003 min

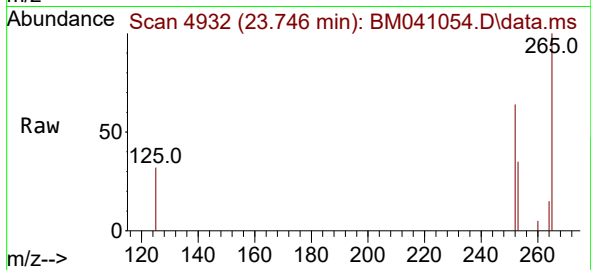
Lab File: BM041054.D

Acq: 22 Jul 2023 14:34

Instrument :

BNA_M

ClientSampleId :



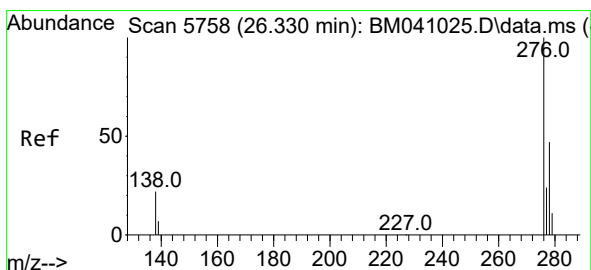
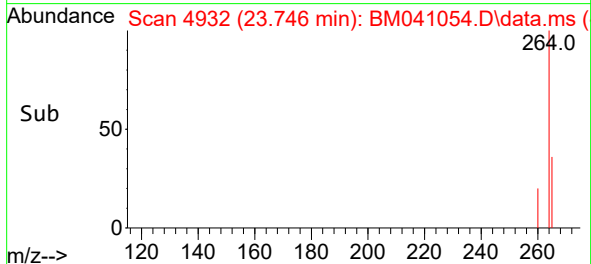
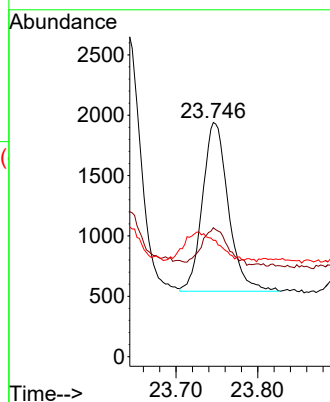
Tgt Ion:252 Resp: 3073

Ion Ratio Lower Upper

252 100

253 55.1 28.2 42.2#

125 49.7 25.2 37.8#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.134 ng/ul

RT: 26.327 min Scan# 5757

Delta R.T. 0.000 min

Lab File: BM041054.D

Acq: 22 Jul 2023 14:34

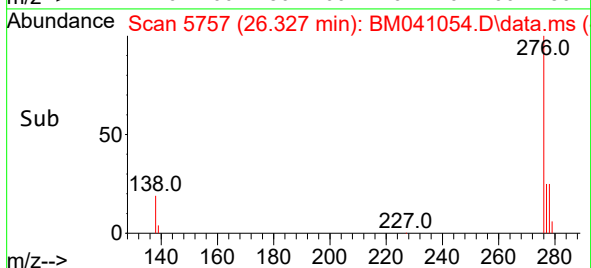
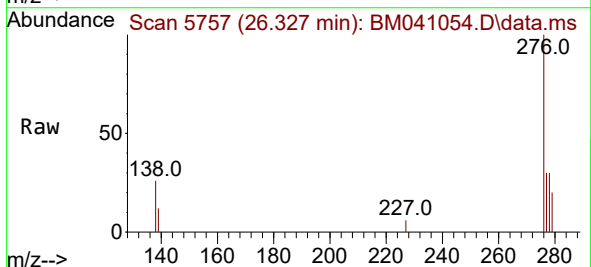
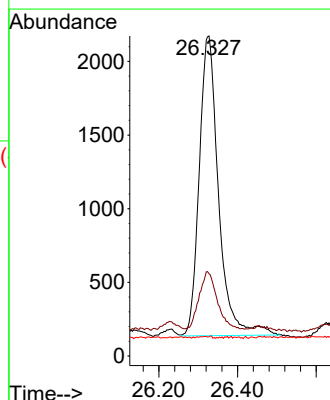
Tgt Ion:276 Resp: 6944

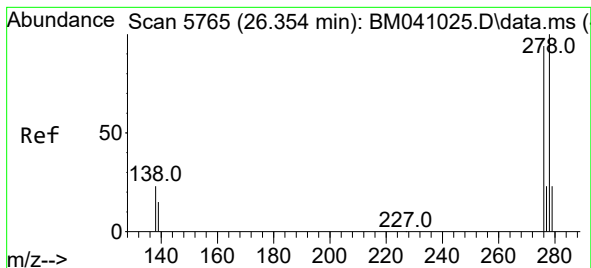
Ion Ratio Lower Upper

276 100

138 18.6 22.3 33.5#

227 0.1 0.0 0.0#





#28

Dibenzo(a,h)anthracene

Concen: 0.054 ng/ul

RT: 26.334 min Scan# 51

Delta R.T. -0.013 min

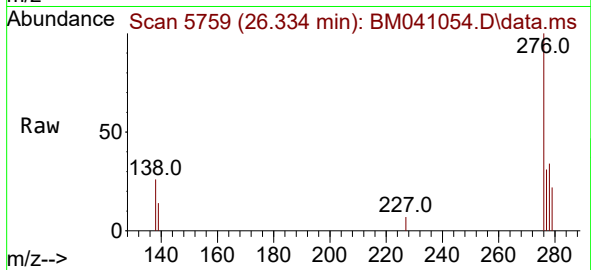
Lab File: BM041054.D

Acq: 22 Jul 2023 14:34

Instrument :

BNA_M

ClientSampleId :



Tgt Ion:278 Resp: 2127

Ion Ratio Lower Upper

278 100

139 39.9 19.2 28.8#

279 63.5 27.0 40.6#

