

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071323\
 Data File : BM040865.D
 Acq On : 14 Jul 2023 00:57
 Operator : MA/JU
 Sample : 03418-13
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A46J2

Quant Time: Jul 14 03:18:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 03:14:53 2023
 Response via : Initial Calibration

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

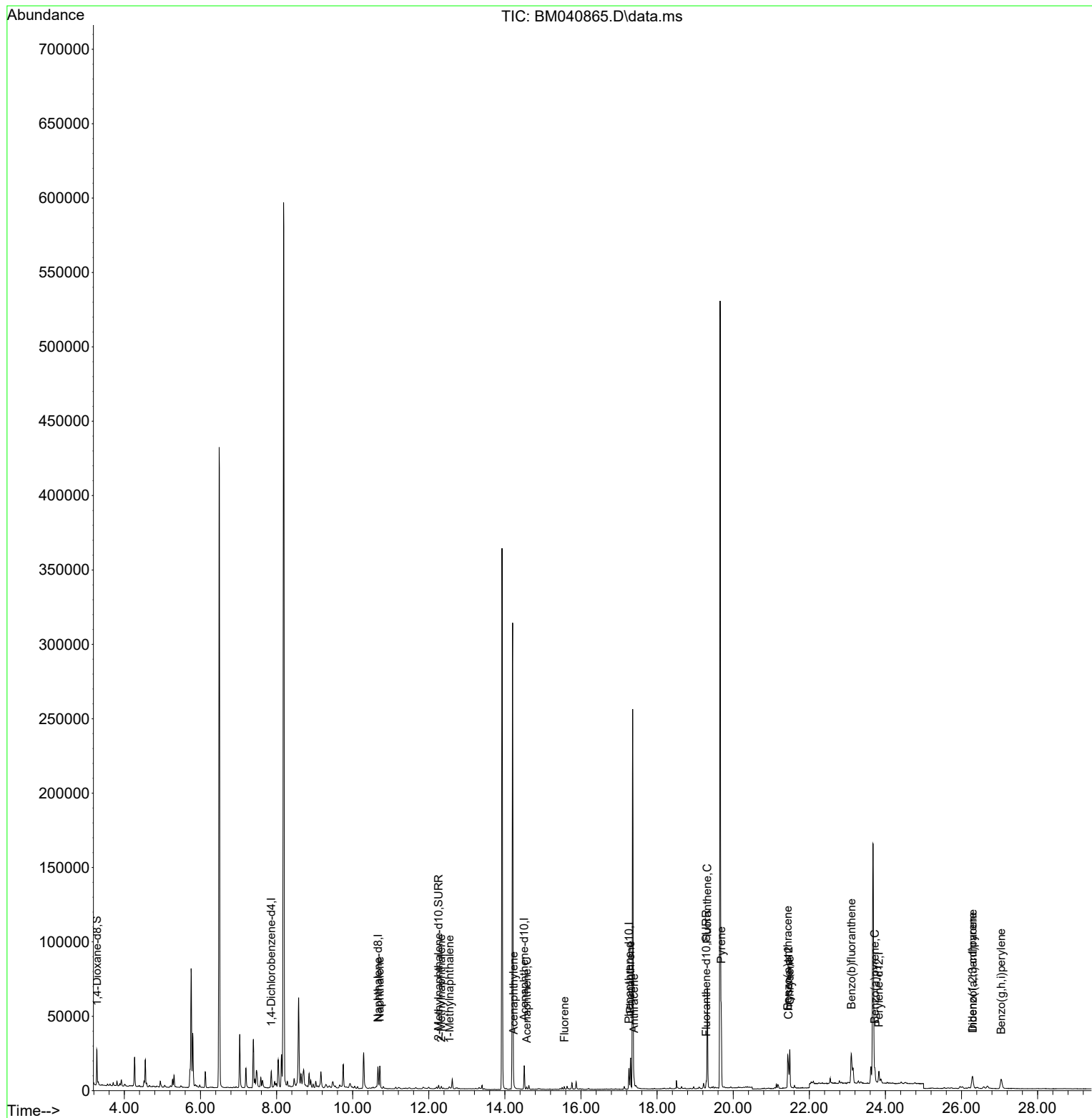
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	5327	0.400	ng/ul	0.00
4) Naphthalene-d8	10.664	136	18658	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.509	164	8457	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.261	188	15740	0.400	ng/ul	0.00
17) Chrysene-d12	21.451	240	10697	0.400	ng/ul	0.00
23) Perylene-d12	23.830	264	11006	0.400	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.280	96	12962	1.549	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.258	152	2905	0.111	ng/ul	0.00
18) Fluoranthene-d10	19.292	212	4731	0.138	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.713	128	19839	0.386	ng/ul	99
7) 2-Methylnaphthalene	12.330	142	1144	0.038	ng/ul	98
8) 1-Methylnaphthalene	12.550	142	649	0.021	ng/ul	92
10) Acenaphthylene	14.231	152	1460	0.039	ng/ul#	71
11) Acenaphthene	14.573	153	842	0.026	ng/ul	95
12) Fluorene	15.563	166	1112	0.033	ng/ul#	96
15) Phenanthrene	17.303	178	21507	0.440	ng/ul	100
16) Anthracene	17.392	178	2762	0.067	ng/ul#	89
19) Fluoranthene	19.320	202	55420	1.220	ng/ul	98
20) Pyrene	19.687	202	44015	0.904	ng/ul	97
21) Benzo(a)anthracene	21.434	228	17797	0.492	ng/ul	97
22) Chrysene	21.486	228	26315	0.638	ng/ul	97
24) Benzo(b)fluoranthene	23.105	252	32848	0.771	ng/ul	98
26) Benzo(a)pyrene	23.722	252	10422	0.272	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	26.287	276	15024	0.281	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.297	278	3264	0.078	ng/ul#	56
29) Benzo(g,h,i)perylene	27.041	276	14610	0.312	ng/ul	99

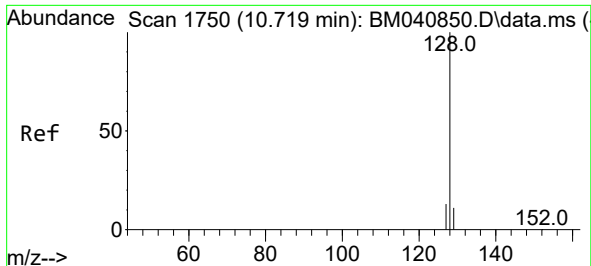
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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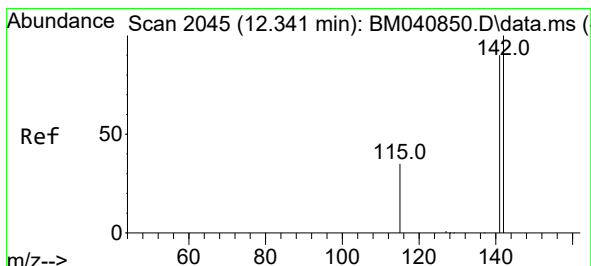
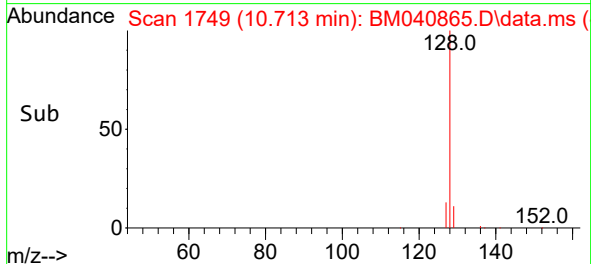
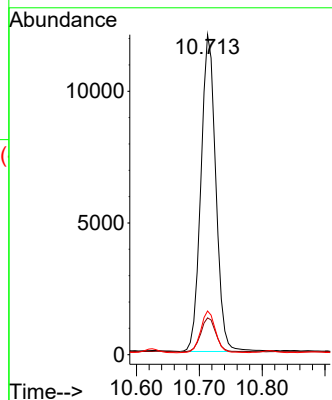
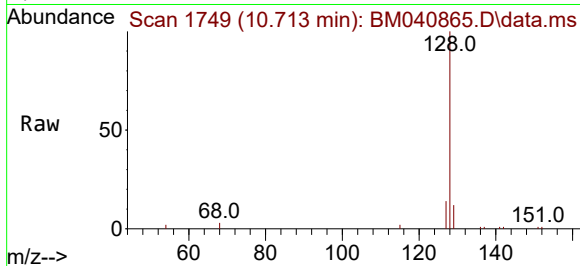




#5
Naphthalene
Concen: 0.386 ng/ul
RT: 10.713 min Scan# 1749
Delta R.T. -0.005 min
Lab File: BM040865.D
Acq: 14 Jul 2023 00:57

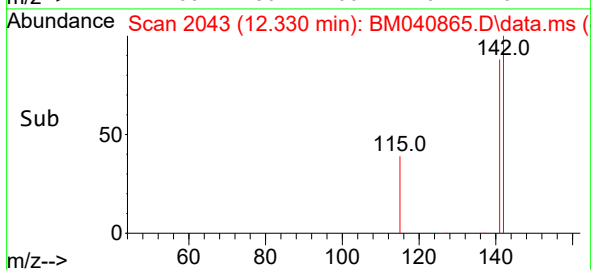
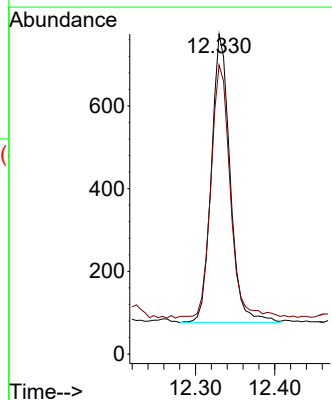
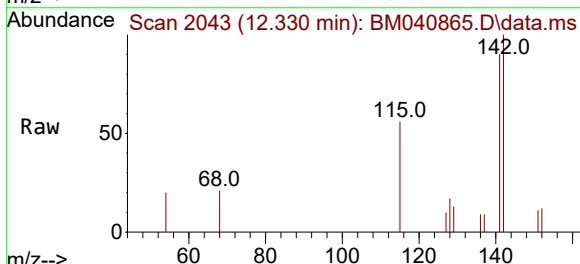
Instrument :
BNA_M
ClientSampleId :
A46J2

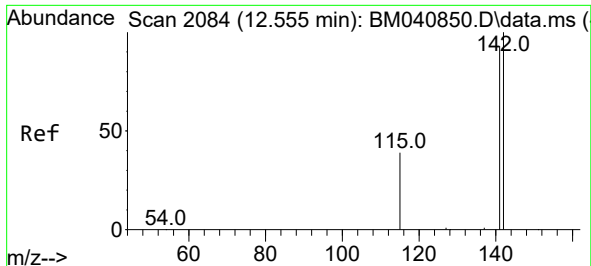
Tgt Ion:128 Resp: 19839
Ion Ratio Lower Upper
128 100
129 11.5 9.2 13.8
127 13.6 10.6 15.8



#7
2-Methylnaphthalene
Concen: 0.038 ng/ul
RT: 12.330 min Scan# 2043
Delta R.T. -0.011 min
Lab File: BM040865.D
Acq: 14 Jul 2023 00:57

Tgt Ion:142 Resp: 1144
Ion Ratio Lower Upper
142 100
141 91.6 71.9 107.9

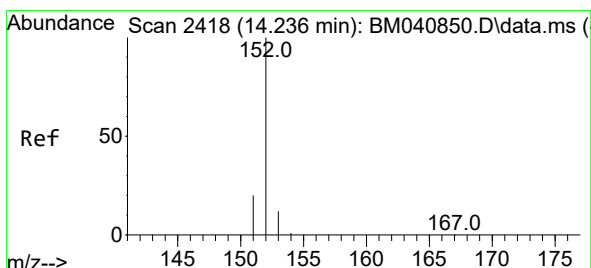
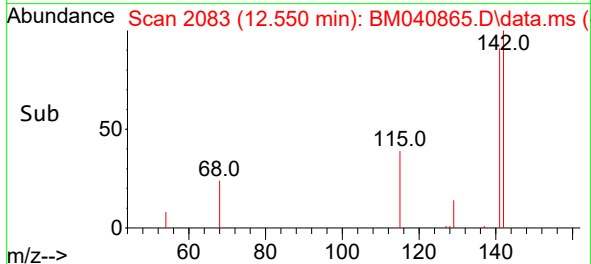
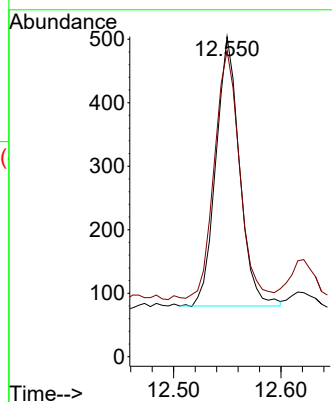
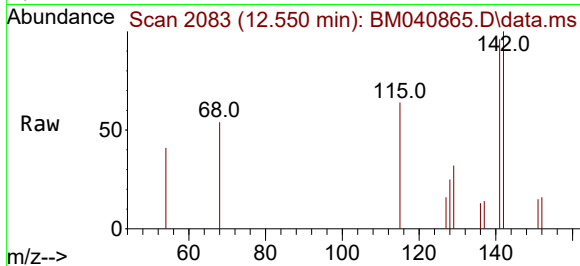




#8
1-Methylnaphthalene
Concen: 0.021 ng/ul
RT: 12.550 min Scan# 2084
Delta R.T. -0.005 min
Lab File: BM040865.D
Acq: 14 Jul 2023 00:57

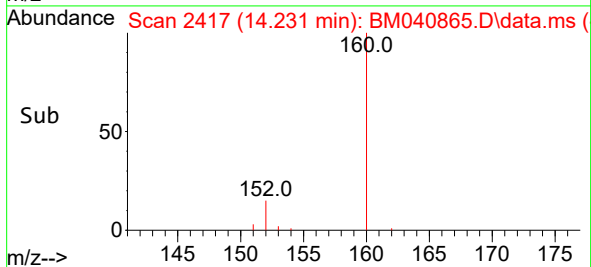
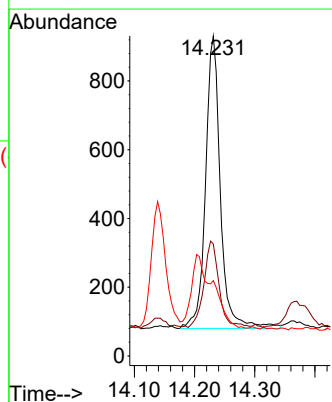
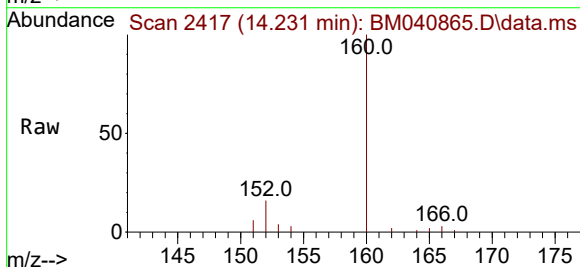
Instrument :
BNA_M
ClientSampleId :
A46J2

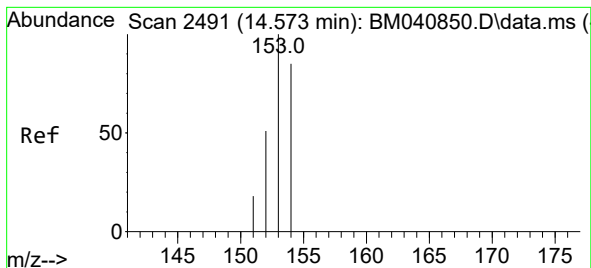
Tgt Ion:142 Resp: 649
Ion Ratio Lower Upper
142 100
141 99.7 73.7 110.5



#10
Acenaphthylene
Concen: 0.039 ng/ul
RT: 14.231 min Scan# 2417
Delta R.T. -0.005 min
Lab File: BM040865.D
Acq: 14 Jul 2023 00:57

Tgt Ion:152 Resp: 1460
Ion Ratio Lower Upper
152 100
151 35.0 16.2 24.2#
153 23.5 10.9 16.3#





#11

Acenaphthene

Concen: 0.026 ng/ul

RT: 14.573 min Scan# 2491

Delta R.T. 0.000 min

Lab File: BM040865.D

Acq: 14 Jul 2023 00:57

Instrument :

BNA_M

ClientSampleId :

A46J2

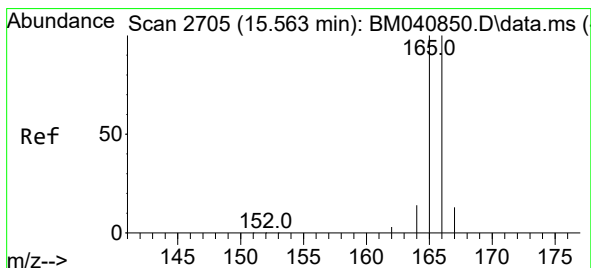
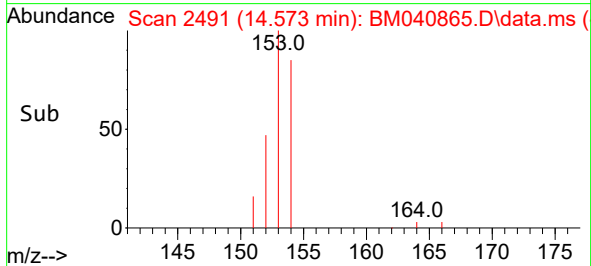
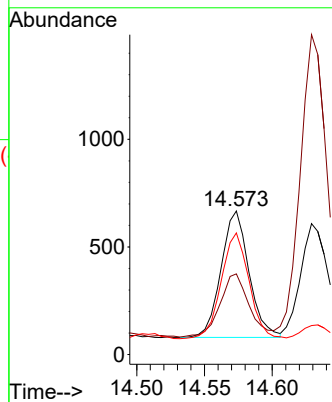
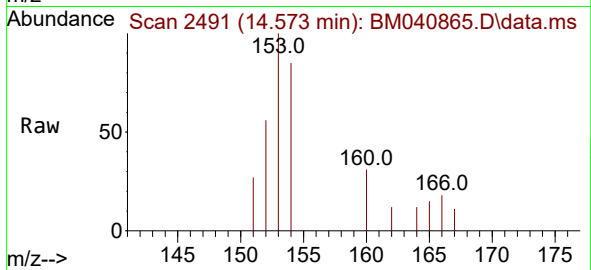
Tgt Ion:153 Resp: 842

Ion Ratio Lower Upper

153 100

152 56.2 41.0 61.4

154 84.7 70.8 106.2



#12

Fluorene

Concen: 0.033 ng/ul

RT: 15.563 min Scan# 2705

Delta R.T. 0.000 min

Lab File: BM040865.D

Acq: 14 Jul 2023 00:57

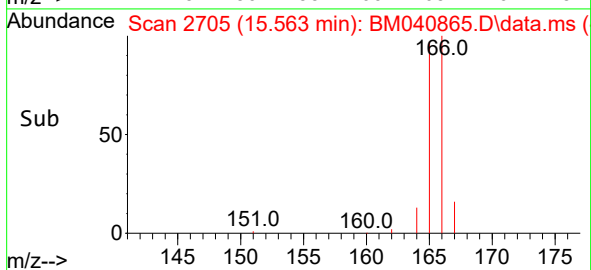
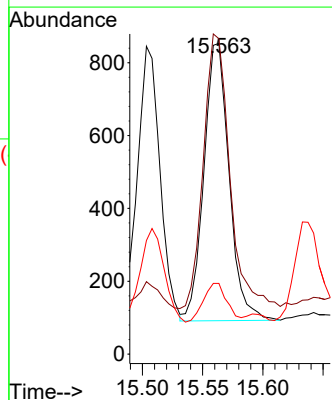
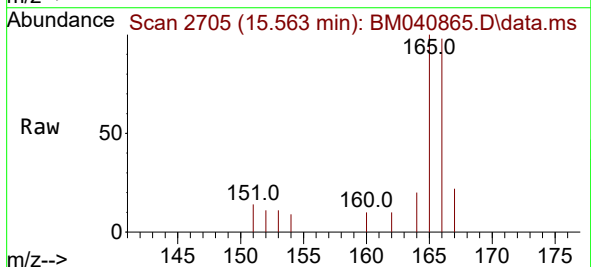
Tgt Ion:166 Resp: 1112

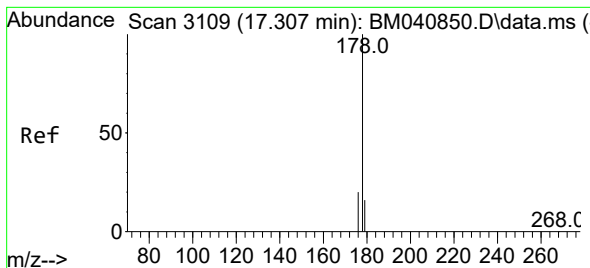
Ion Ratio Lower Upper

166 100

165 101.5 79.6 119.4

167 22.7 11.4 17.0#





#15

Phenanthrene

Concen: 0.440 ng/ul

RT: 17.303 min Scan# 3108

Delta R.T. -0.004 min

Lab File: BM040865.D

Acq: 14 Jul 2023 00:57

Instrument :

BNA_M

ClientSampleId :

A46J2

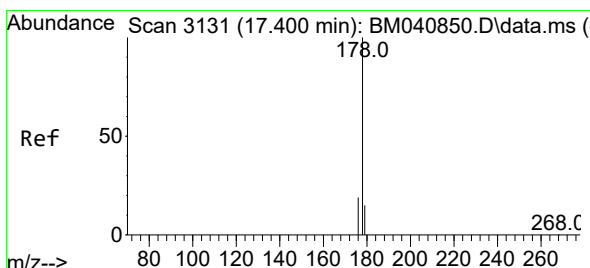
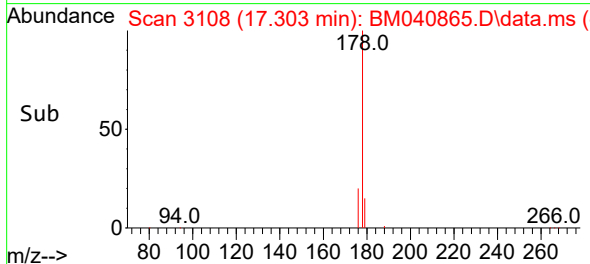
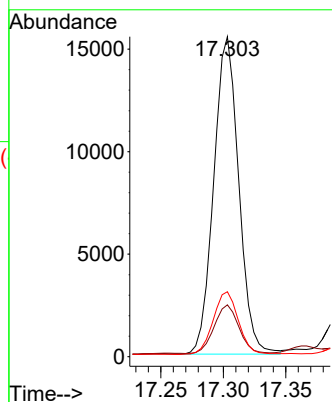
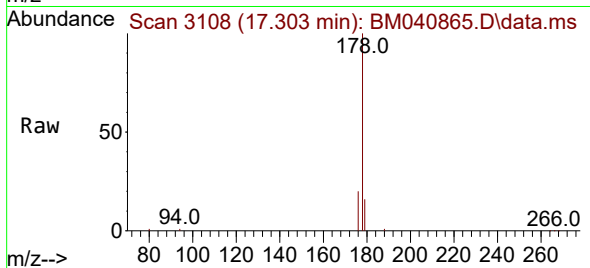
Tgt Ion:178 Resp: 21507

Ion Ratio Lower Upper

178 100

179 16.2 12.8 19.2

176 20.3 16.4 24.6



#16

Anthracene

Concen: 0.067 ng/ul

RT: 17.392 min Scan# 3129

Delta R.T. -0.008 min

Lab File: BM040865.D

Acq: 14 Jul 2023 00:57

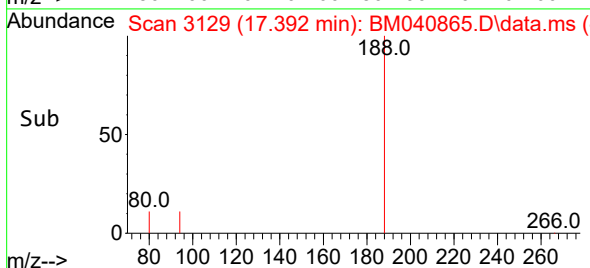
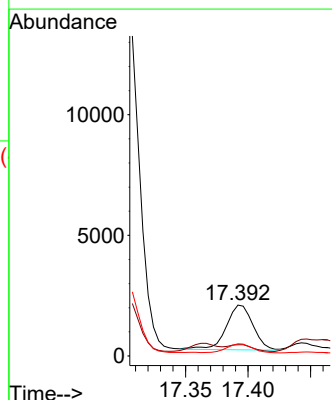
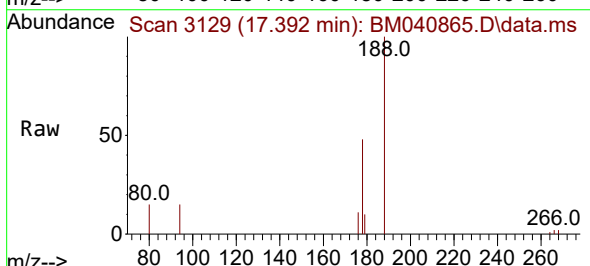
Tgt Ion:178 Resp: 2762

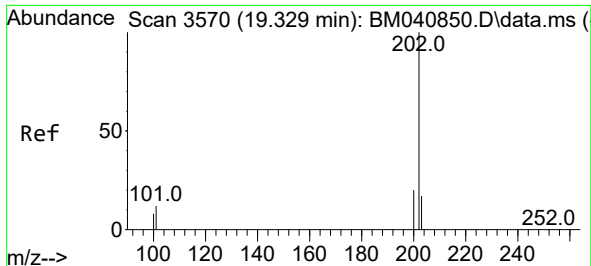
Ion Ratio Lower Upper

178 100

179 21.9 12.9 19.3#

176 23.8 15.8 23.6#

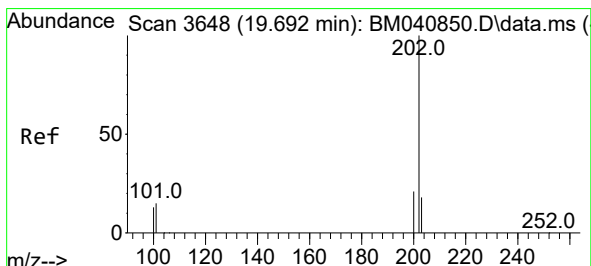
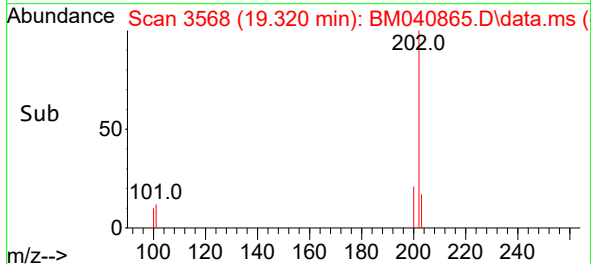
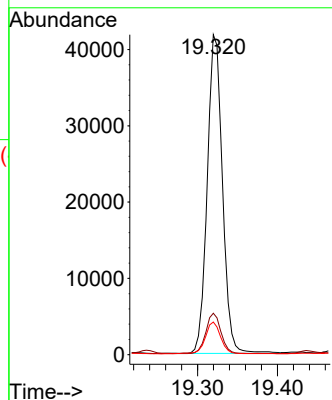
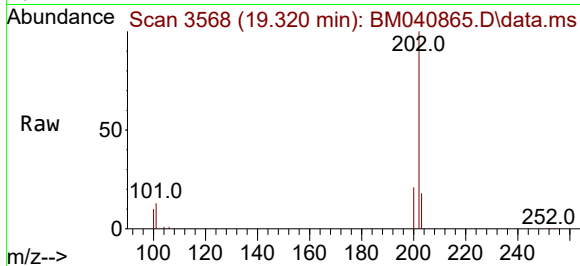




#19
Fluoranthene
Concen: 1.220 ng/ul
RT: 19.320 min Scan# 3568
Delta R.T. -0.009 min
Lab File: BM040865.D
Acq: 14 Jul 2023 00:57

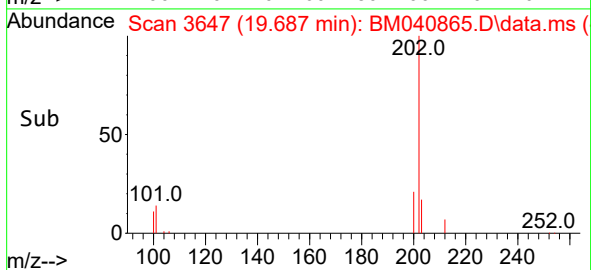
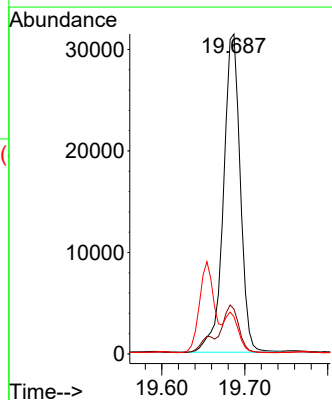
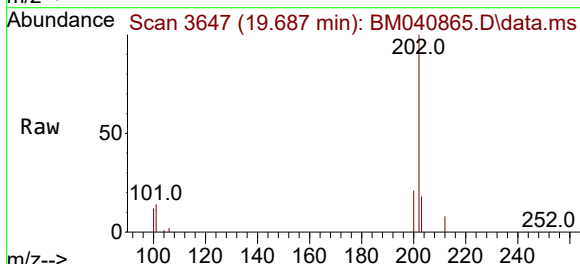
Instrument :
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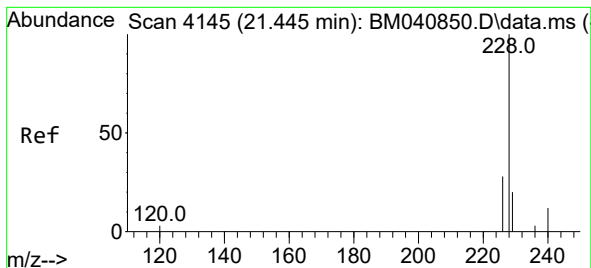
Tgt Ion:202 Resp: 55420
Ion Ratio Lower Upper
202 100
101 13.0 11.4 17.0
100 10.2 8.7 13.1



#20
Pyrene
Concen: 0.904 ng/ul
RT: 19.687 min Scan# 3647
Delta R.T. -0.005 min
Lab File: BM040865.D
Acq: 14 Jul 2023 00:57

Tgt Ion:202 Resp: 44015
Ion Ratio Lower Upper
202 100
101 14.1 12.6 18.8
100 11.6 9.8 14.6





#21

Benzo(a)anthracene

Concen: 0.492 ng/ul

RT: 21.434 min Scan# 41

Delta R.T. -0.012 min

Lab File: BM040865.D

Acq: 14 Jul 2023 00:57

Instrument :

BNA_M

ClientSampleId :

A46J2

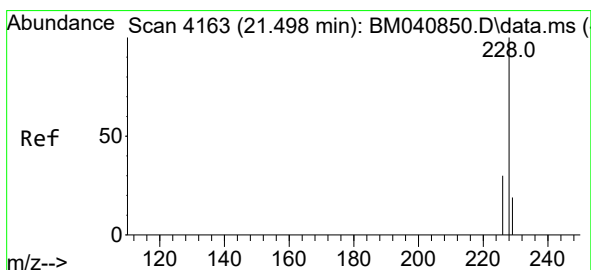
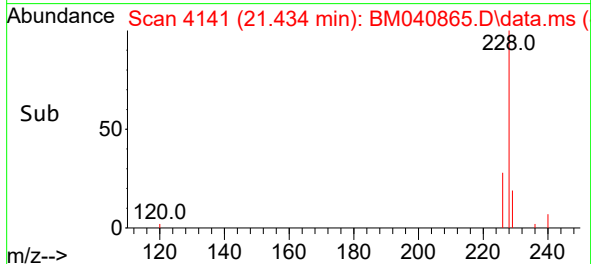
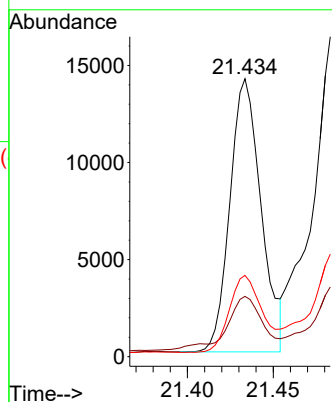
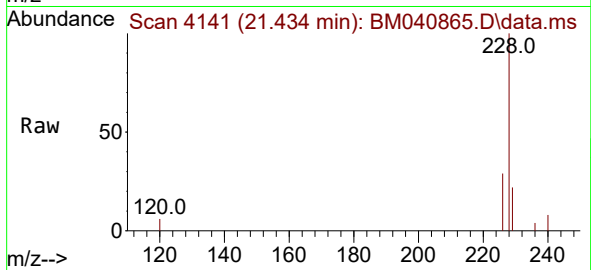
Tgt Ion:228 Resp: 17797

Ion Ratio Lower Upper

228 100

229 21.7 16.0 24.0

226 29.2 22.3 33.5



#22

Chrysene

Concen: 0.638 ng/ul

RT: 21.486 min Scan# 4159

Delta R.T. -0.012 min

Lab File: BM040865.D

Acq: 14 Jul 2023 00:57

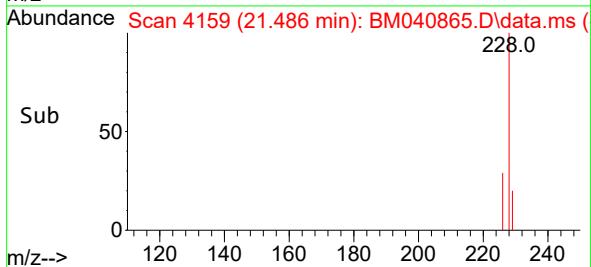
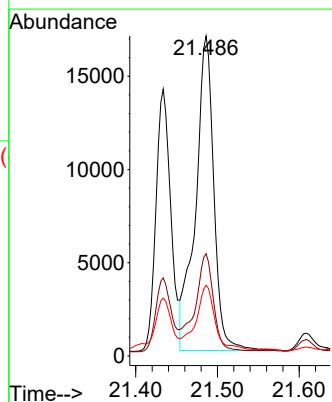
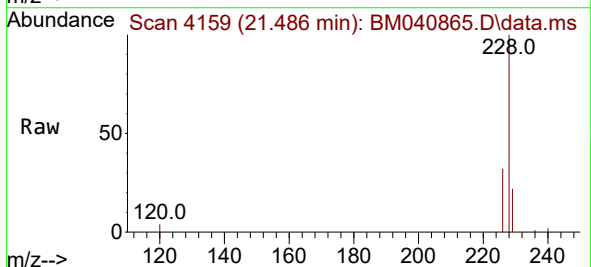
Tgt Ion:228 Resp: 26315

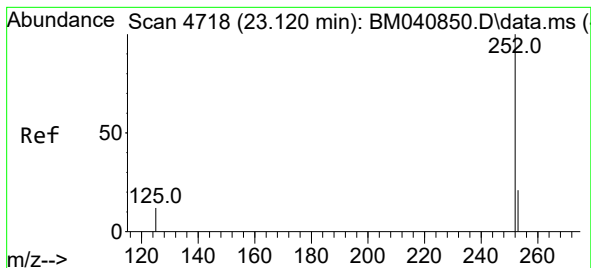
Ion Ratio Lower Upper

228 100

226 31.9 24.9 37.3

229 22.0 15.8 23.6





#24

Benzo(b)fluoranthene

Concen: 0.771 ng/ul

RT: 23.105 min Scan# 41

Delta R.T. -0.015 min

Lab File: BM040865.D

Acq: 14 Jul 2023 00:57

Instrument :

BNA_M

ClientSampleId :

A46J2

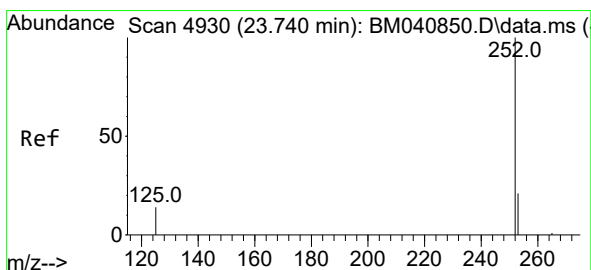
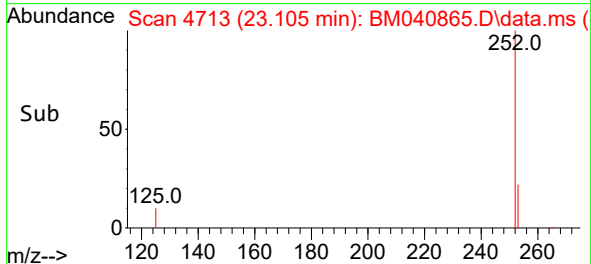
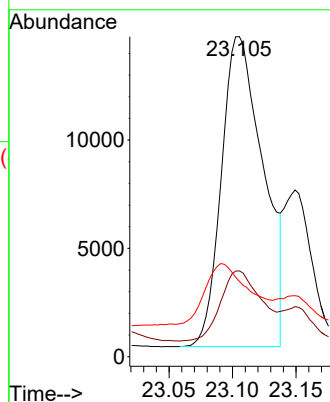
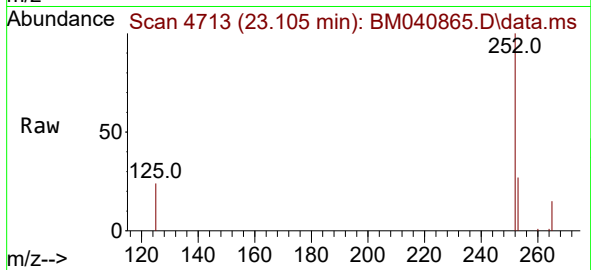
Tgt Ion:252 Resp: 32848

Ion Ratio Lower Upper

252 100

253 26.8 0.0 52.8

125 23.5 0.0 43.0



#26

Benzo(a)pyrene

Concen: 0.272 ng/ul

RT: 23.722 min Scan# 4924

Delta R.T. -0.018 min

Lab File: BM040865.D

Acq: 14 Jul 2023 00:57

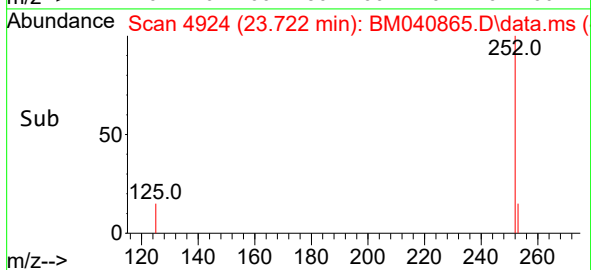
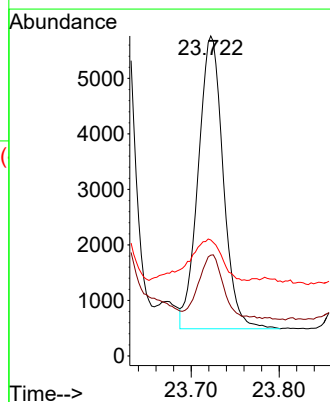
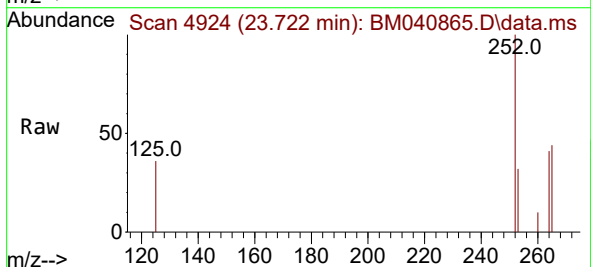
Tgt Ion:252 Resp: 10422

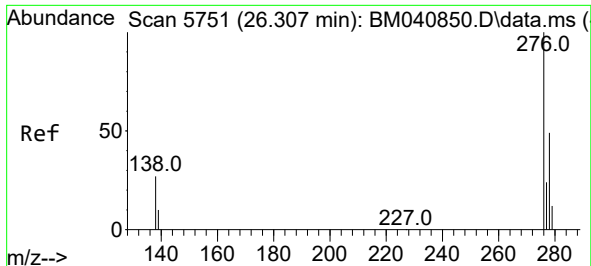
Ion Ratio Lower Upper

252 100

253 31.5 22.9 34.3

125 36.3 21.0 31.4#

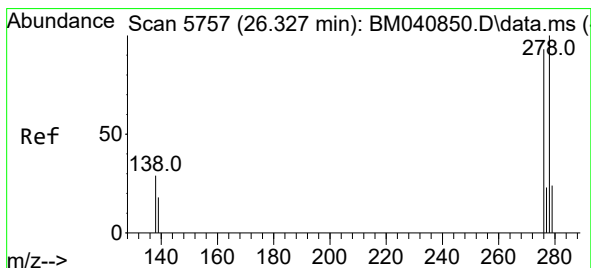
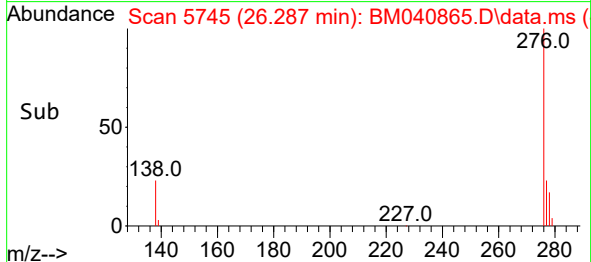
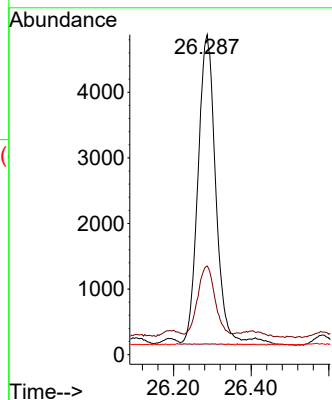
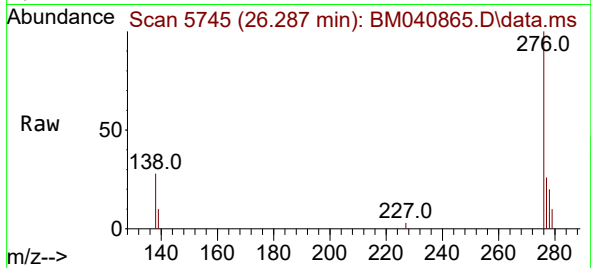




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.281 ng/ul
 RT: 26.287 min Scan# 5745
 Delta R.T. -0.020 min
 Lab File: BM040865.D
 Acq: 14 Jul 2023 00:57

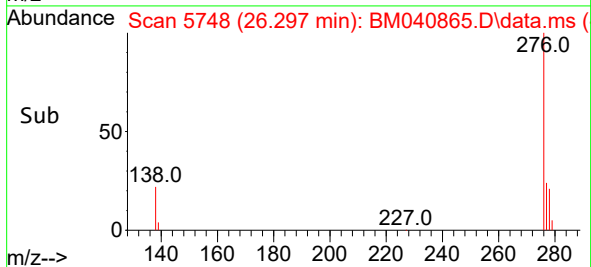
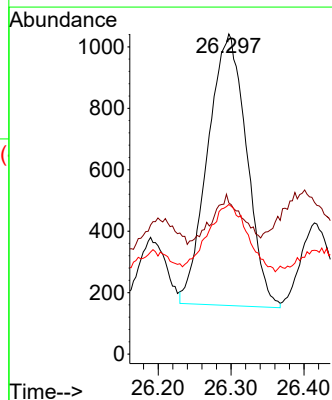
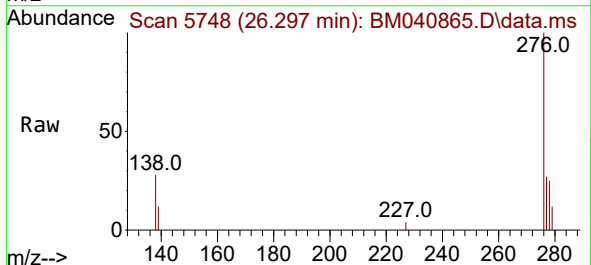
Instrument :
 BNA_M
 ClientSampleId :
 A46J2

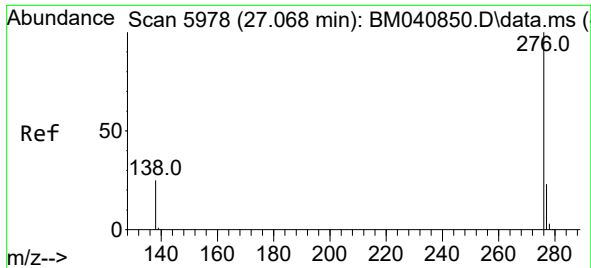
Tgt Ion:276 Resp: 15024
 Ion Ratio Lower Upper
 276 100
 138 23.0 24.5 36.7#
 227 0.1 0.1 0.1



#28
 Dibenzo(a,h)anthracene
 Concen: 0.078 ng/ul
 RT: 26.297 min Scan# 5748
 Delta R.T. -0.030 min
 Lab File: BM040865.D
 Acq: 14 Jul 2023 00:57

Tgt Ion:278 Resp: 3264
 Ion Ratio Lower Upper
 278 100
 139 47.2 17.9 26.9#
 279 46.7 22.0 33.0#





#29

Benzo(g,h,i)perylene

Concen: 0.312 ng/ul

RT: 27.041 min Scan# 5970

Delta R.T. -0.027 min

Lab File: BM040865.D

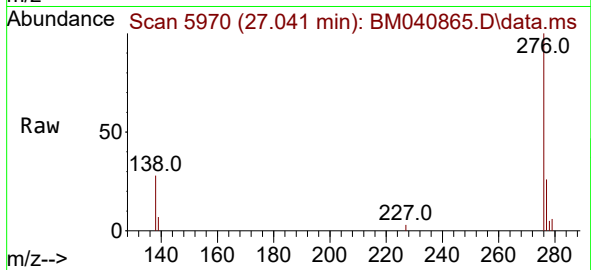
Acq: 14 Jul 2023 00:57

Instrument :

BNA_M

ClientSampleId :

A46J2



Tgt Ion:276 Resp: 14610

Ion Ratio Lower Upper

276 100

138 28.4 23.0 34.6

277 26.2 20.3 30.5

