

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091323\
 Data File : BM041863.D
 Acq On : 14 Sep 2023 12:33
 Operator : MA/JU
 Sample : 04175-10
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EZYK4

Quant Time: Sep 15 00:28:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM091323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 13 16:15:23 2023
 Response via : Initial Calibration

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

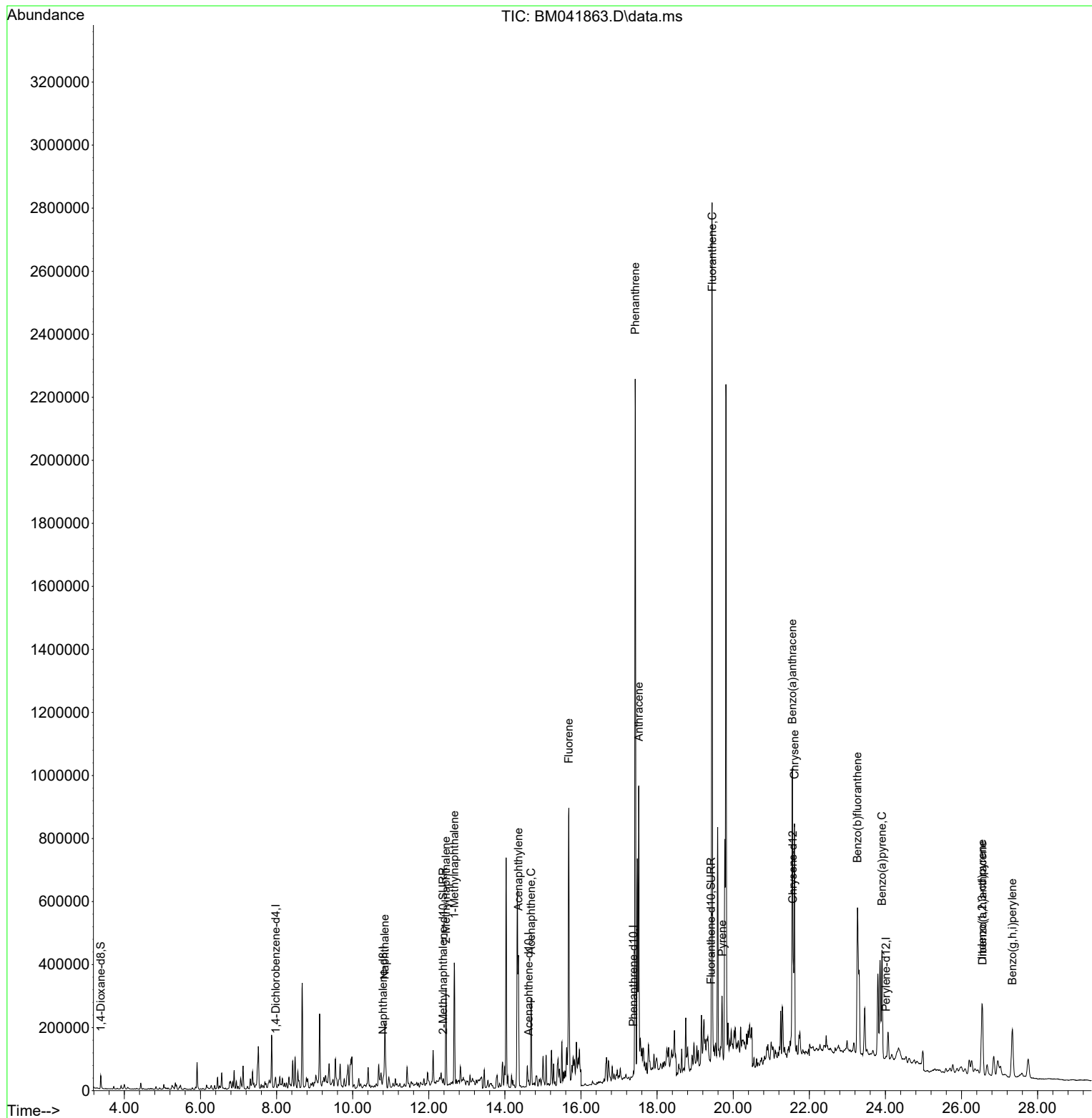
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.979	152	8059	0.400	ng/ul	# 0.00
4) Naphthalene-d8	10.796	136	20452	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.624	164	10656	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.379	188	18846	0.400	ng/ul	# 0.01
17) Chrysene-d12	21.571	240	7565	0.400	ng/ul	# 0.03
23) Perylene-d12	24.018	264	11529	0.400	ng/ul	# 0.06
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	25102	2.449	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.379	152	5443	0.196	ng/ul	0.01
18) Fluoranthene-d10	19.417	212	7364	0.284	ng/ul	0.03
Target Compounds						Qvalue
5) Naphthalene	10.845	128	293309	4.255	ng/ul	100
7) 2-Methylnaphthalene	12.451	142	210544	5.083	ng/ul	100
8) 1-Methylnaphthalene	12.671	142	248771	5.887	ng/ul	99
10) Acenaphthylene	14.356	152	461730	6.906	ng/ul	99
11) Acenaphthene	14.689	153	159477	3.118	ng/ul	99
12) Fluorene	15.679	166	562837	9.418	ng/ul	100
15) Phenanthrene	17.426	178	2408248	29.273	ng/ul	99
16) Anthracene	17.519	178	1046526	14.594	ng/ul	99
19) Fluoranthene	19.445	202	2466379	42.092	ng/ul#	92
20) Pyrene	19.710	202	147164	2.399	ng/ul	98
21) Benzo(a)anthracene	21.553	228	771426	15.456	ng/ul#	90
22) Chrysene	21.609	228	743246	14.547	ng/ul#	90
24) Benzo(b)fluoranthene	23.266	252	946365	11.536	ng/ul	96
26) Benzo(a)pyrene	23.909	252	530124	8.475	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	26.538	276	403660	4.196	ng/ul#	78
28) Dibenzo(a,h)anthracene	26.552	278	114219	1.610	ng/ul#	52
29) Benzo(g,h,i)perylene	27.337	276	343138	4.216	ng/ul	95

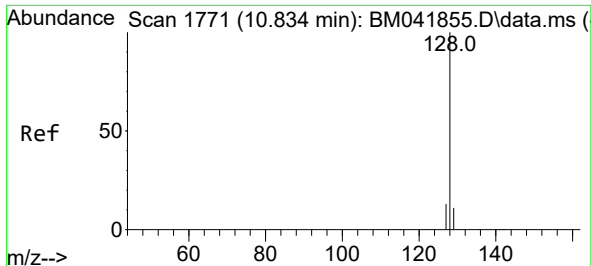
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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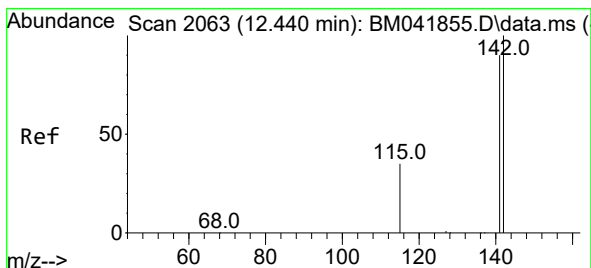
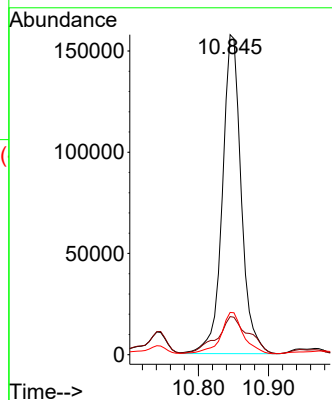
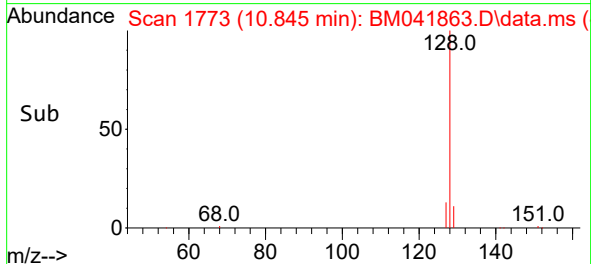
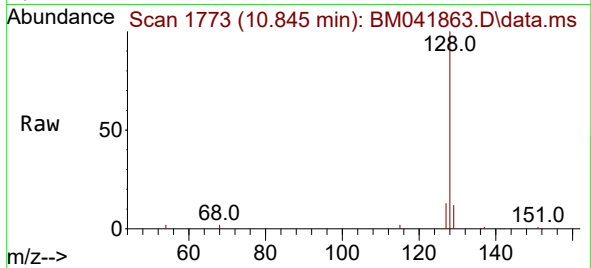




#5
Naphthalene
Concen: 4.255 ng/ul
RT: 10.845 min Scan# 1771
Delta R.T. 0.005 min
Lab File: BM041863.D
Acq: 14 Sep 2023 12:33

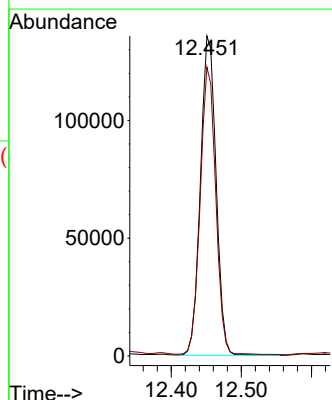
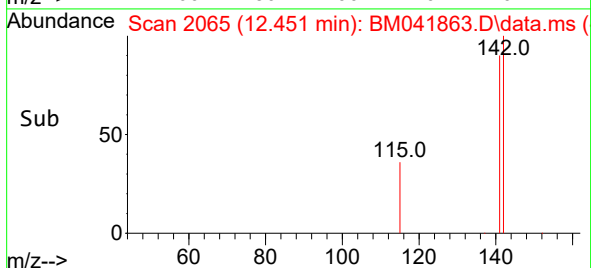
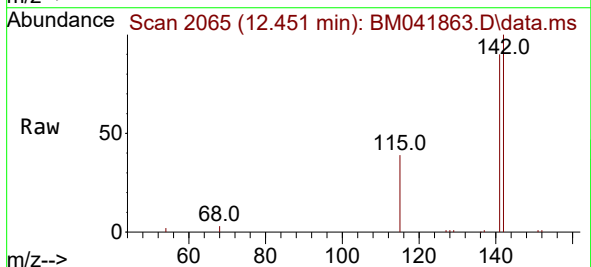
Instrument :
BNA_M
ClientSampleId :
EZYK4

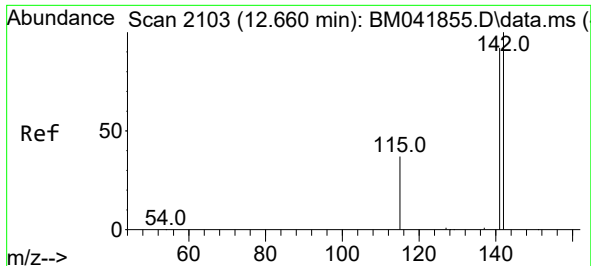
Tgt Ion:128 Resp: 293309
Ion Ratio Lower Upper
128 100
129 11.9 9.5 14.3
127 13.2 10.7 16.1



#7
2-Methylnaphthalene
Concen: 5.083 ng/ul
RT: 12.451 min Scan# 2065
Delta R.T. 0.005 min
Lab File: BM041863.D
Acq: 14 Sep 2023 12:33

Tgt Ion:142 Resp: 210544
Ion Ratio Lower Upper
142 100
141 89.6 72.1 108.1

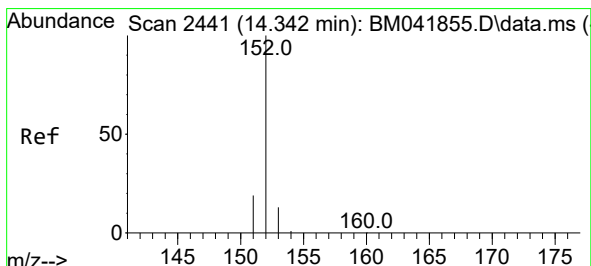
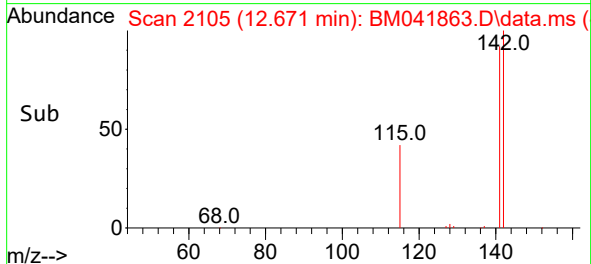
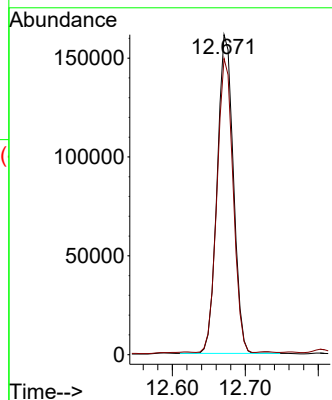
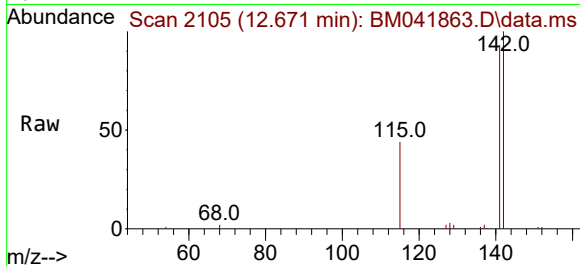




#8
1-Methylnaphthalene
Concen: 5.887 ng/ul
RT: 12.671 min Scan# 2103
Delta R.T. 0.005 min
Lab File: BM041863.D
Acq: 14 Sep 2023 12:33

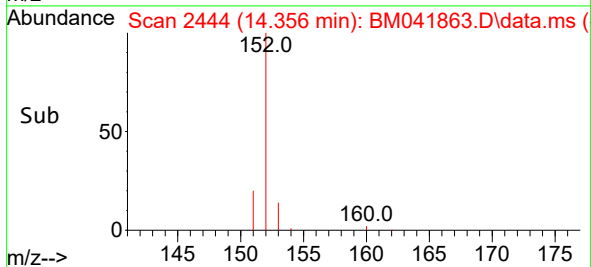
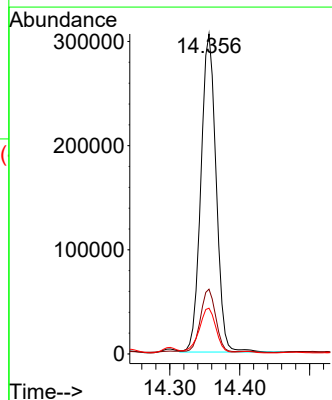
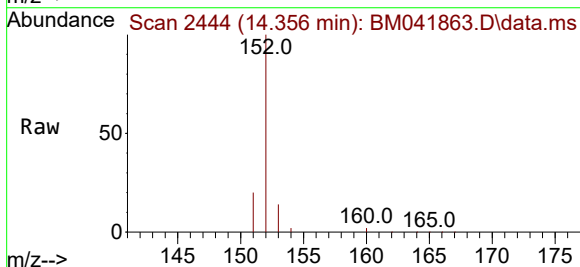
Instrument :
BNA_M
ClientSampleId :
EZYK4

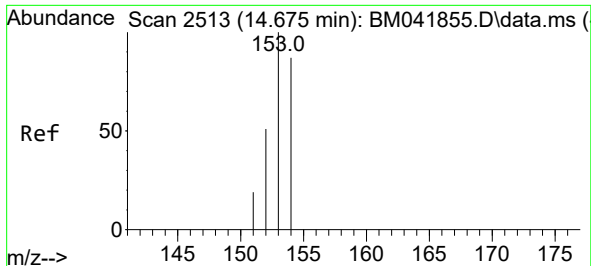
Tgt Ion:142 Resp: 248771
Ion Ratio Lower Upper
142 100
141 92.1 74.3 111.5



#10
Acenaphthylene
Concen: 6.906 ng/ul
RT: 14.356 min Scan# 2444
Delta R.T. 0.014 min
Lab File: BM041863.D
Acq: 14 Sep 2023 12:33

Tgt Ion:152 Resp: 461730
Ion Ratio Lower Upper
152 100
151 20.3 16.3 24.5
153 14.3 10.9 16.3

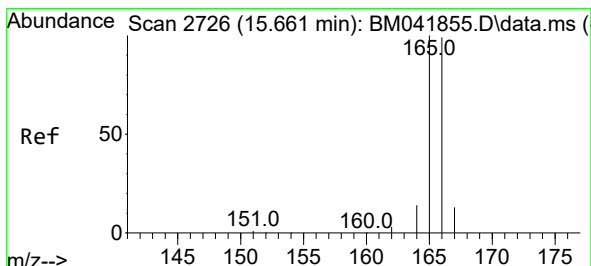
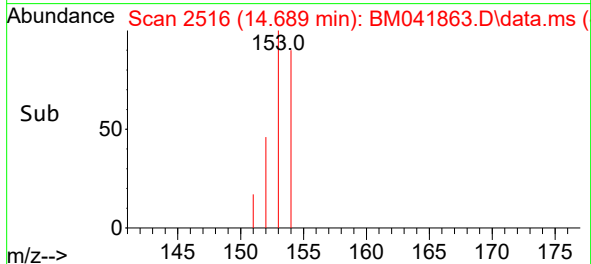
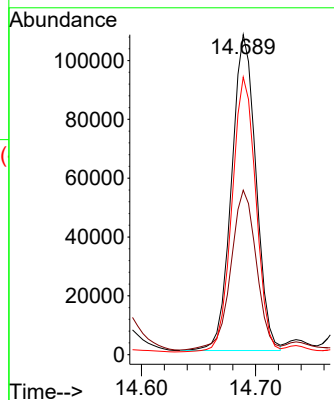
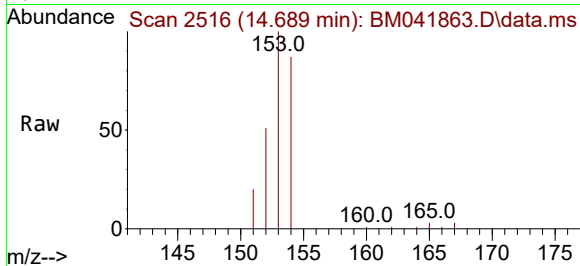




#11
Acenaphthene
Concen: 3.118 ng/ul
RT: 14.689 min Scan# 216
Delta R.T. 0.009 min
Lab File: BM041863.D
Acq: 14 Sep 2023 12:33

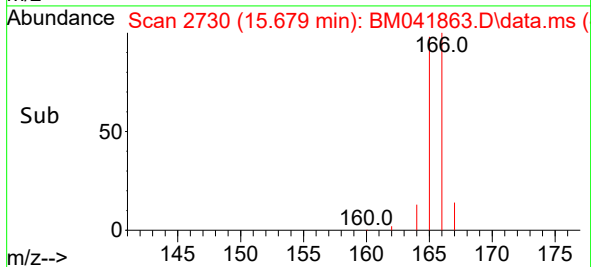
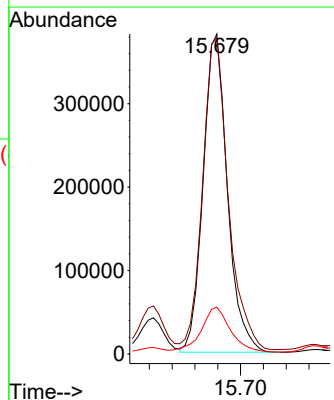
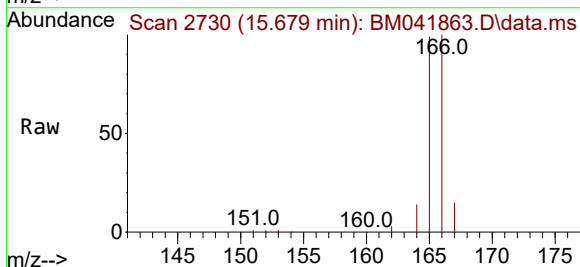
Instrument :
BNA_M
ClientSampleId :
EZYK4

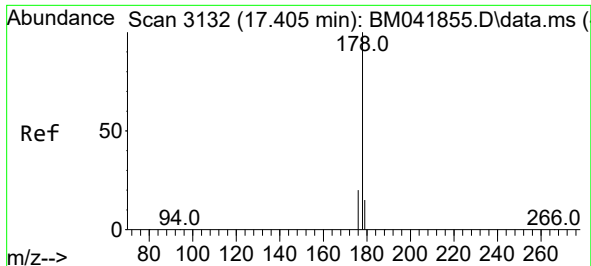
Tgt Ion:153 Resp: 159477
Ion Ratio Lower Upper
153 100
152 51.4 41.5 62.3
154 86.7 70.7 106.1



#12
Fluorene
Concen: 9.418 ng/ul
RT: 15.679 min Scan# 2730
Delta R.T. 0.014 min
Lab File: BM041863.D
Acq: 14 Sep 2023 12:33

Tgt Ion:166 Resp: 562837
Ion Ratio Lower Upper
166 100
165 98.9 79.3 118.9
167 14.6 11.2 16.8

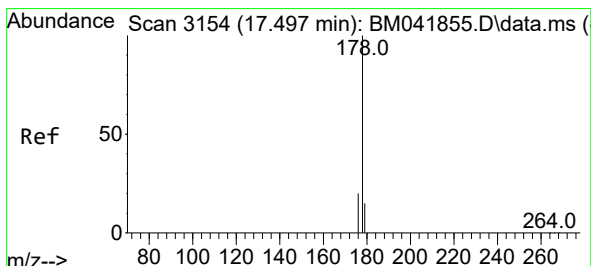
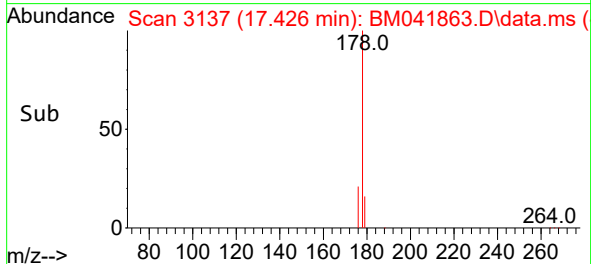
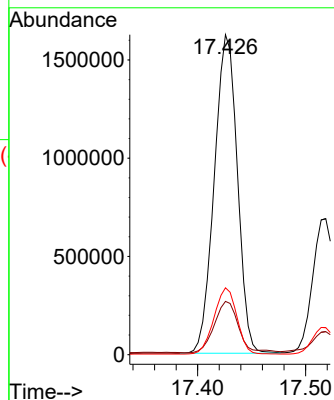
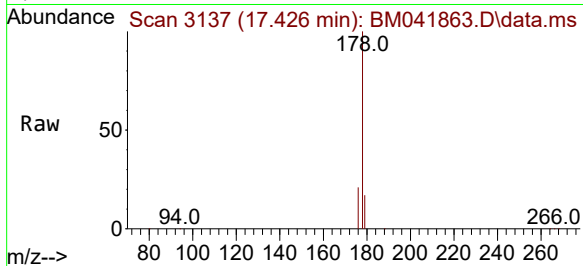




#15
Phenanthrene
Concen: 29.273 ng/ul
RT: 17.426 min Scan# 3137
Delta R.T. 0.017 min
Lab File: BM041863.D
Acq: 14 Sep 2023 12:33

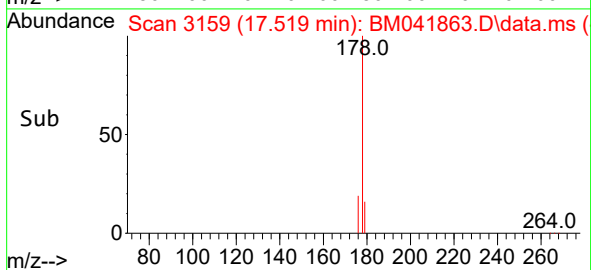
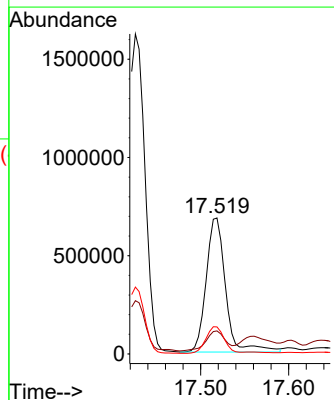
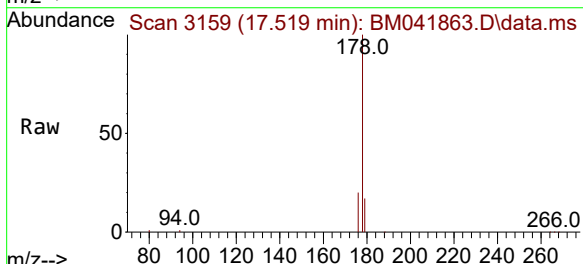
Instrument :
BNA_M
ClientSampleId :
EZYK4

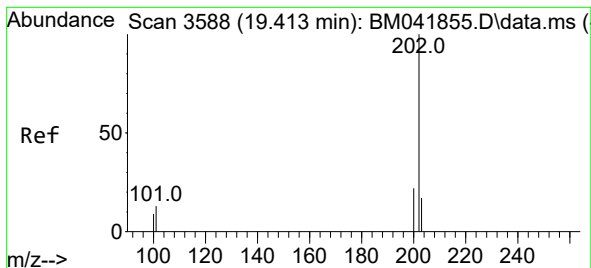
Tgt Ion:178 Resp: 2408248
Ion Ratio Lower Upper
178 100
179 16.7 12.6 19.0
176 20.9 16.6 25.0



#16
Anthracene
Concen: 14.594 ng/ul
RT: 17.519 min Scan# 3159
Delta R.T. 0.017 min
Lab File: BM041863.D
Acq: 14 Sep 2023 12:33

Tgt Ion:178 Resp: 1046526
Ion Ratio Lower Upper
178 100
179 17.0 12.7 19.1
176 19.9 16.1 24.1





#19

Fluoranthene

Concen: 42.092 ng/ul

RT: 19.445 min Scan# 3

Delta R.T. 0.028 min

Lab File: BM041863.D

Acq: 14 Sep 2023 12:33

Instrument :

BNA_M

ClientSampleId :

EZYK4

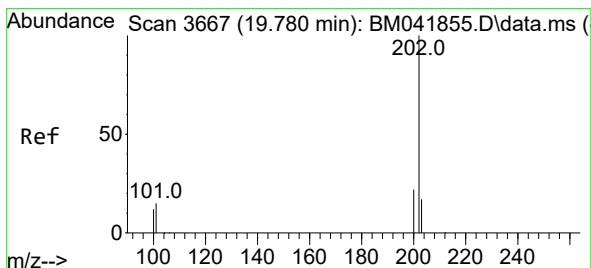
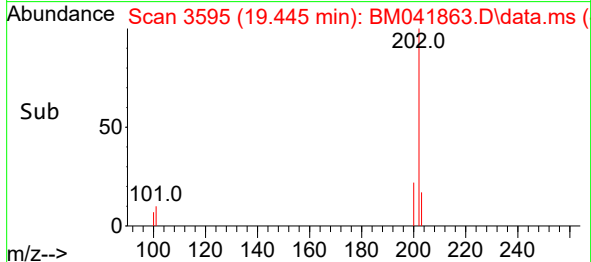
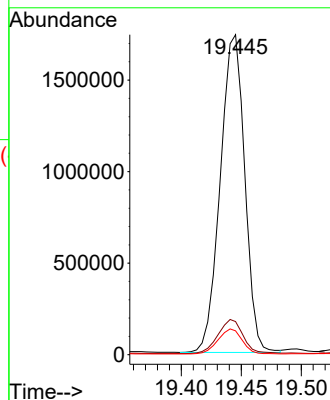
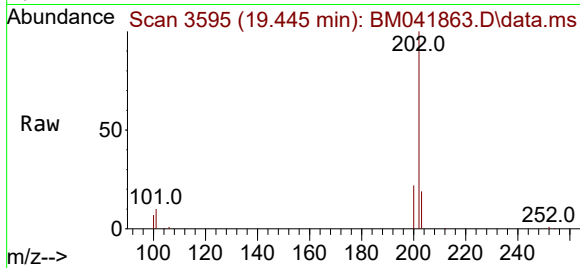
Tgt Ion:202 Resp: 2466379

Ion Ratio Lower Upper

202 100

101 10.4 11.0 16.6#

100 7.5 8.2 12.4#



#20

Pyrene

Concen: 2.399 ng/ul

RT: 19.710 min Scan# 3652

Delta R.T. -0.074 min

Lab File: BM041863.D

Acq: 14 Sep 2023 12:33

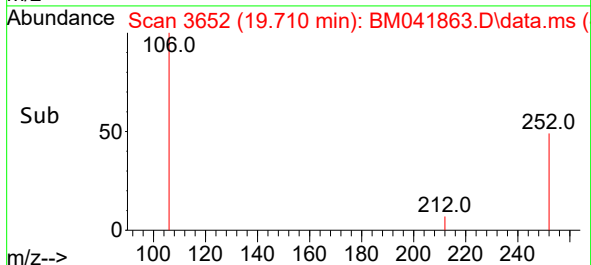
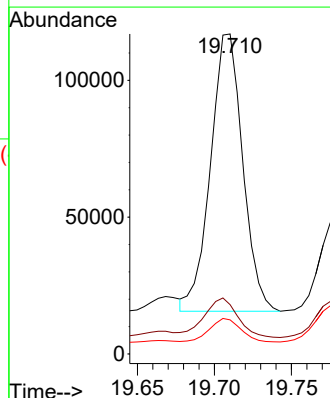
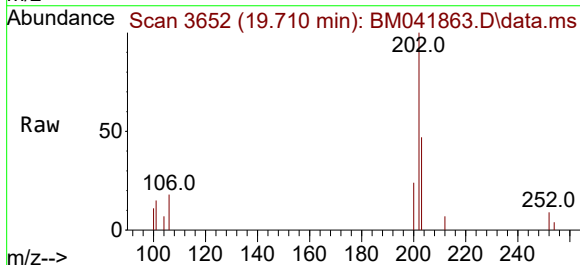
Tgt Ion:202 Resp: 147164

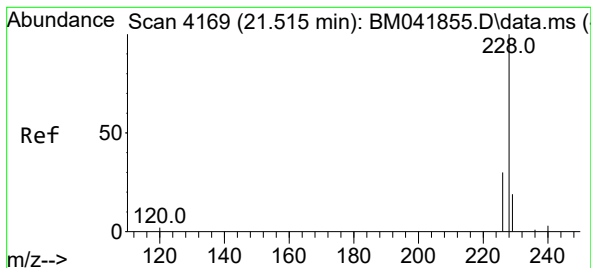
Ion Ratio Lower Upper

202 100

101 15.4 12.6 19.0

100 10.7 9.9 14.9





#21

Benzo(a)anthracene

Concen: 15.456 ng/ul

RT: 21.553 min Scan# 41

Delta R.T. 0.032 min

Lab File: BM041863.D

Acq: 14 Sep 2023 12:33

Instrument :

BNA_M

ClientSampleId :

EZYK4

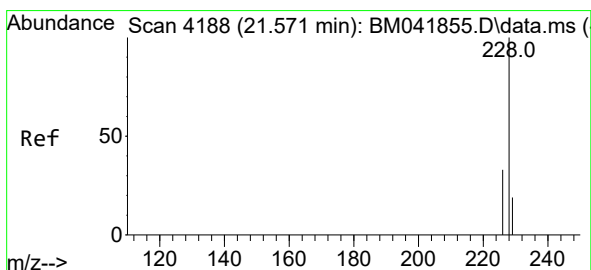
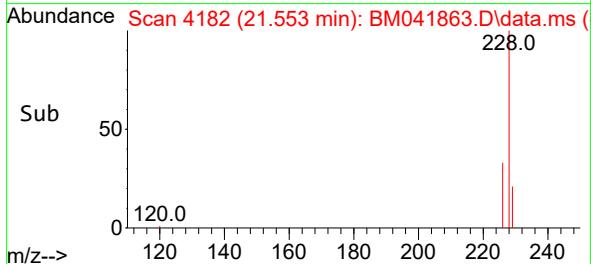
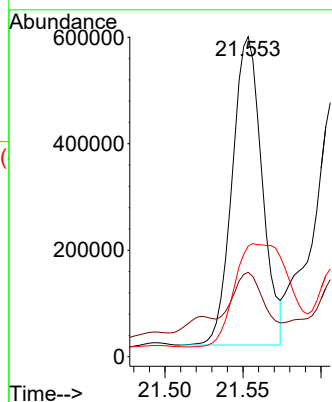
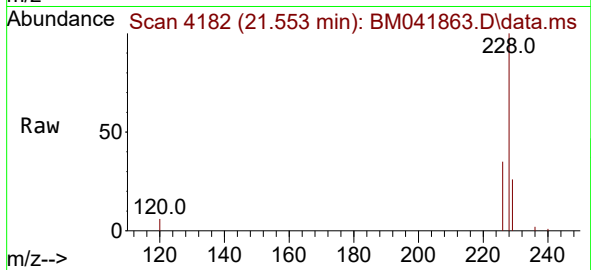
Tgt Ion:228 Resp: 771426

Ion Ratio Lower Upper

228 100

229 26.4 15.8 23.8#

226 34.6 24.3 36.5



#22

Chrysene

Concen: 14.547 ng/ul

RT: 21.609 min Scan# 4201

Delta R.T. 0.032 min

Lab File: BM041863.D

Acq: 14 Sep 2023 12:33

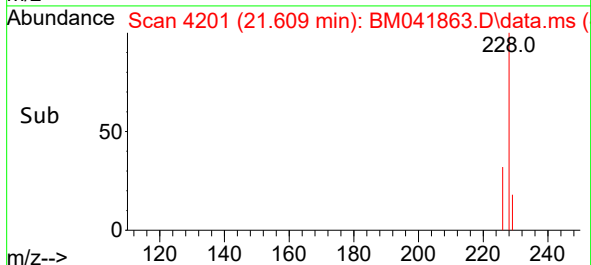
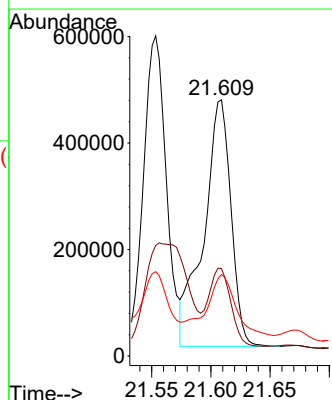
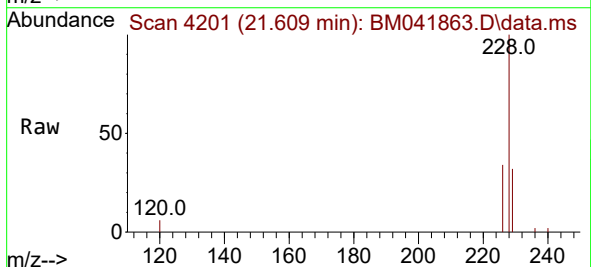
Tgt Ion:228 Resp: 743246

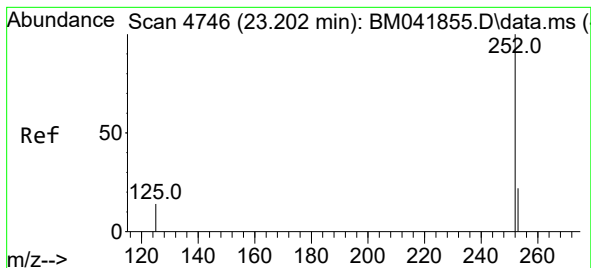
Ion Ratio Lower Upper

228 100

226 34.1 27.0 40.4

229 31.8 15.7 23.5#





#24

Benzo(b)fluoranthene

Concen: 11.536 ng/ul

RT: 23.266 min Scan# 41

Delta R.T. 0.058 min

Lab File: BM041863.D

Acq: 14 Sep 2023 12:33

Instrument :

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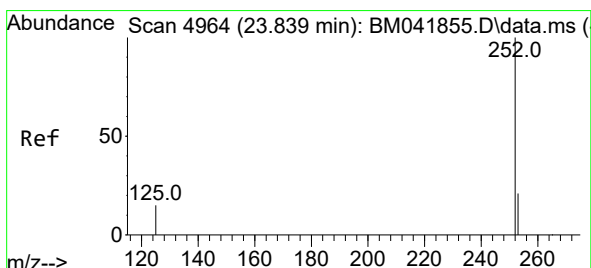
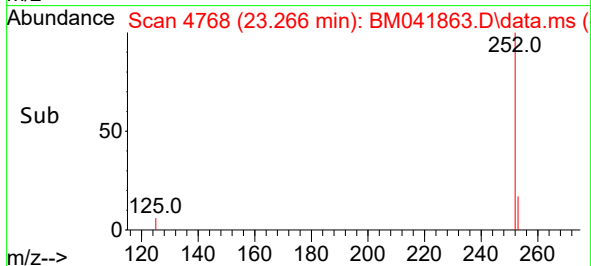
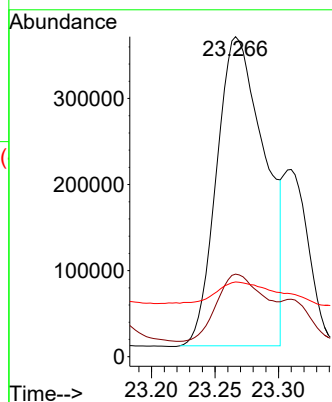
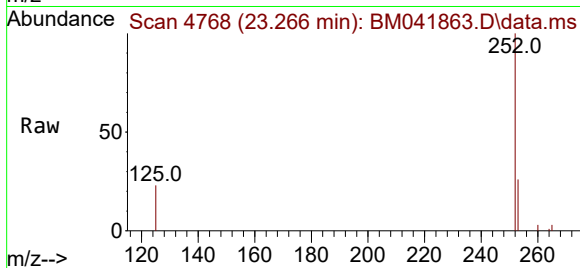
Tgt Ion:252 Resp: 946365

Ion Ratio Lower Upper

252 100

253 25.8 0.0 51.0

125 23.3 0.0 39.8



#26

Benzo(a)pyrene

Concen: 8.475 ng/ul

RT: 23.909 min Scan# 4988

Delta R.T. 0.064 min

Lab File: BM041863.D

Acq: 14 Sep 2023 12:33

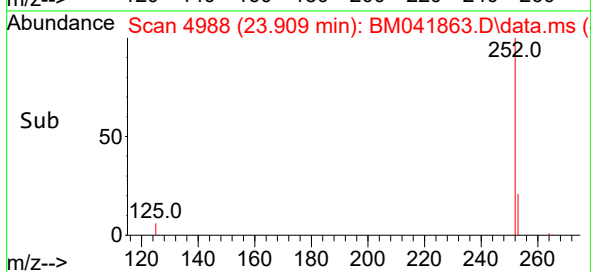
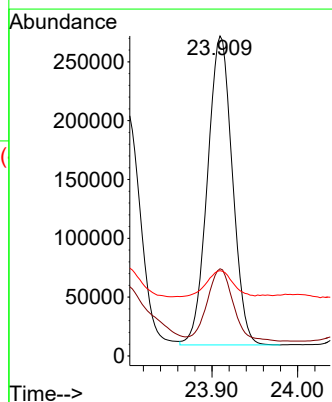
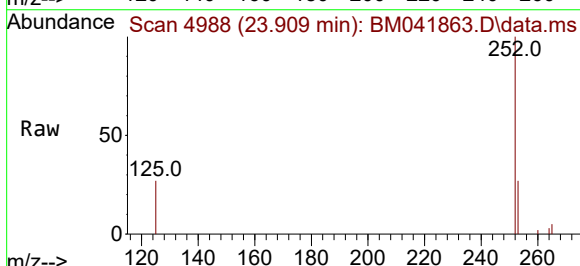
Tgt Ion:252 Resp: 530124

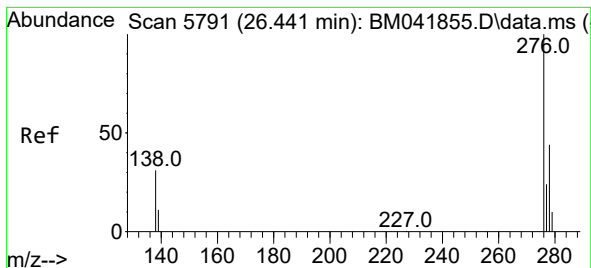
Ion Ratio Lower Upper

252 100

253 27.3 21.8 32.8

125 26.6 18.8 28.2





#27

Indeno(1,2,3-cd)pyrene

Concen: 4.196 ng/ul

RT: 26.538 min Scan# 5820

Delta R.T. 0.084 min

Lab File: BM041863.D

Acq: 14 Sep 2023 12:33

Instrument :

BNA_M

ClientSampleId :

EZYK4

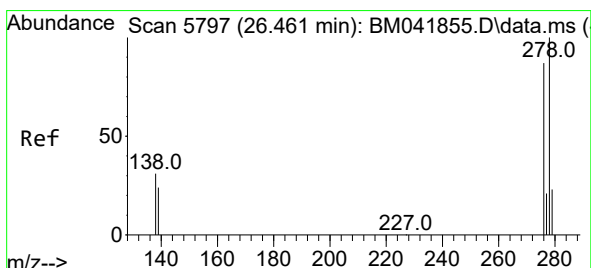
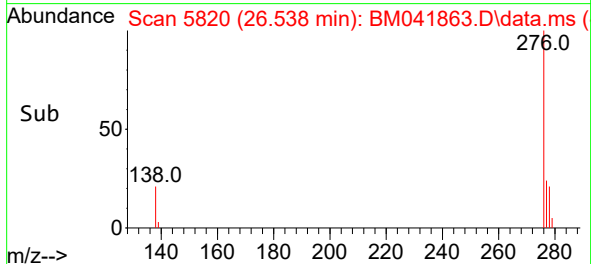
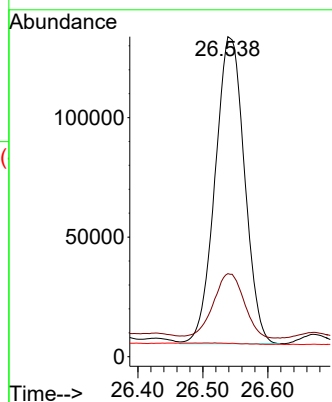
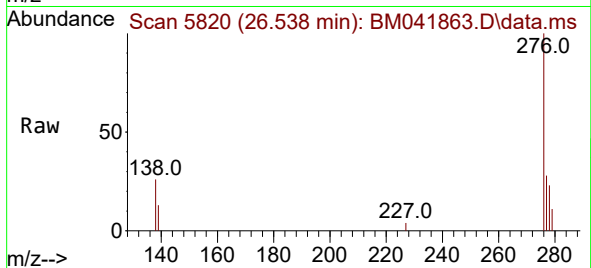
Tgt Ion:276 Resp: 403660

Ion Ratio Lower Upper

276 100

138 22.0 27.7 41.5#

227 0.0 0.1 0.1#



#28

Dibenzo(a,h)anthracene

Concen: 1.610 ng/ul

RT: 26.552 min Scan# 5824

Delta R.T. 0.077 min

Lab File: BM041863.D

Acq: 14 Sep 2023 12:33

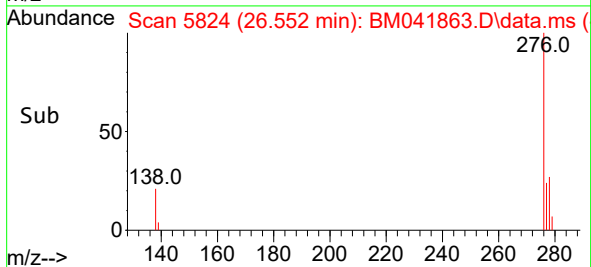
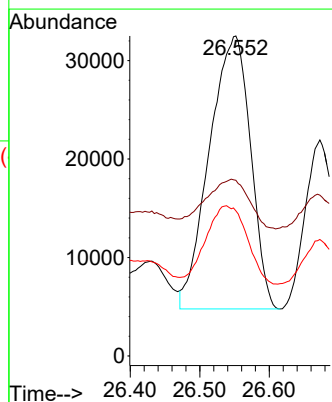
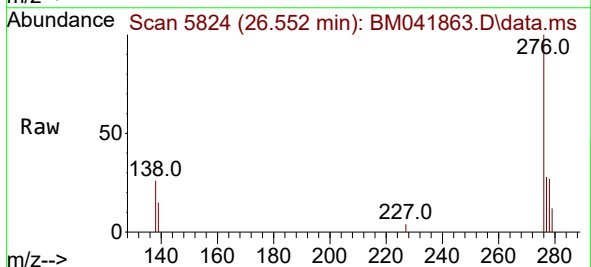
Tgt Ion:278 Resp: 114219

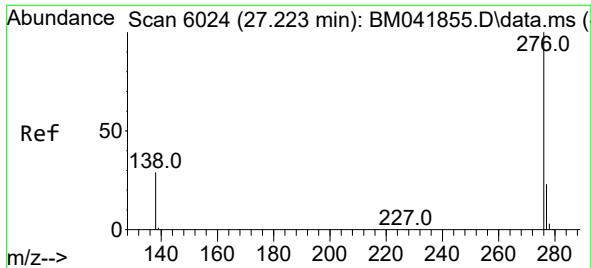
Ion Ratio Lower Upper

278 100

139 54.9 20.9 31.3#

279 45.4 20.3 30.5#





#29
 Benzo(g,h,i)perylene
 Concen: 4.216 ng/ul
 RT: 27.337 min Scan# 6058
 Delta R.T. 0.101 min
 Lab File: BM041863.D
 Acq: 14 Sep 2023 12:33

Instrument :
 BNA_M
 ClientSampleId :
 EZYK4

Tgt Ion:276 Resp: 343138
 Ion Ratio Lower Upper
 276 100
 138 28.2 24.7 37.1
 277 27.1 19.3 28.9

