

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091323\
 Data File : BM041865.D
 Acq On : 14 Sep 2023 13:47
 Operator : MA/JU
 Sample : 04175-19
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EZYD2

Quant Time: Sep 15 00:29:14 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)

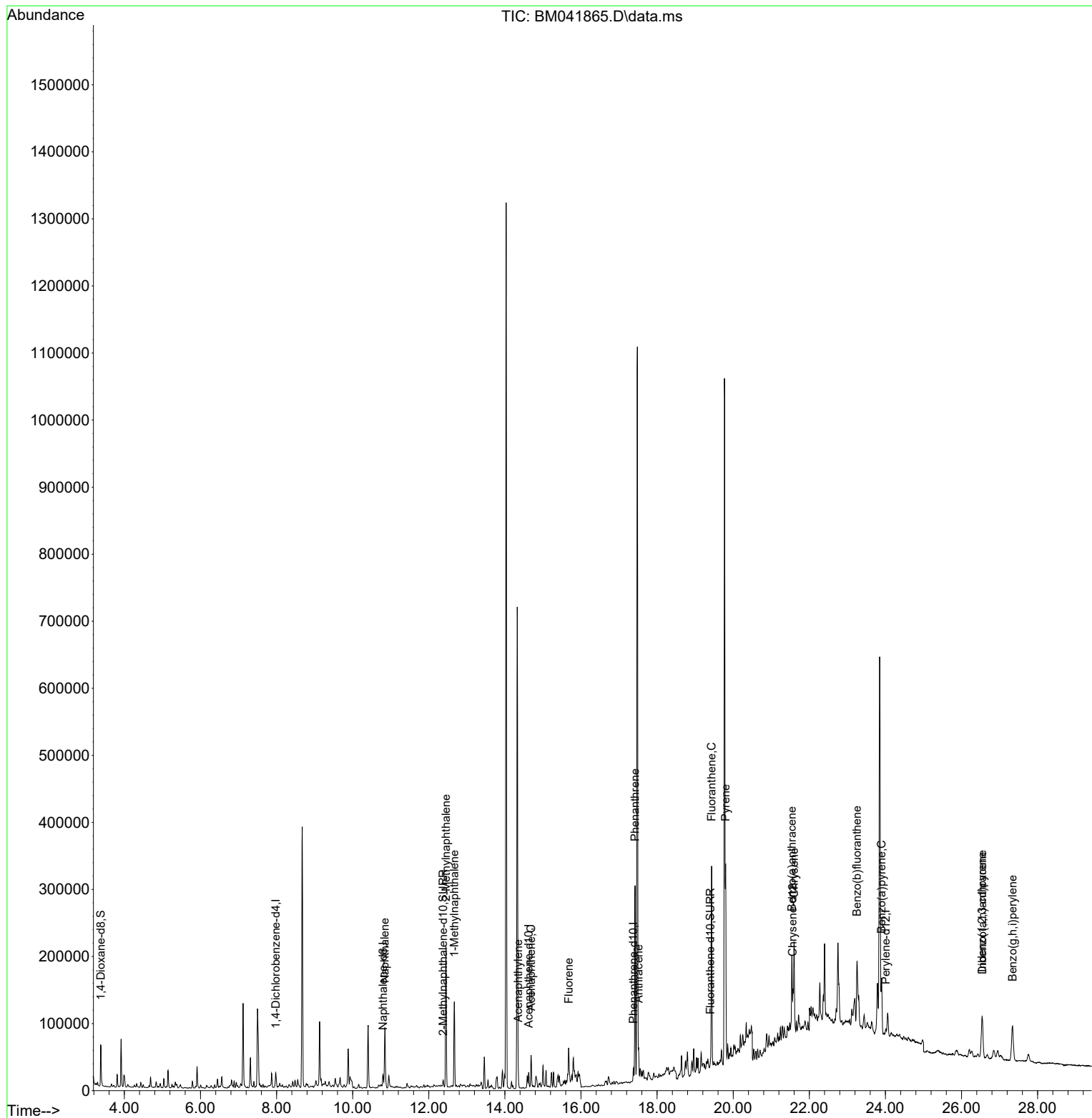
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.979	152	9037	0.400	ng/ul	0.00
4) Naphthalene-d8	10.796	136	23799	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.624	164	12740	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.379	188	22621	0.400	ng/ul #	0.01
17) Chrysene-d12	21.562	240	10831	0.400	ng/ul #	0.02
23) Perylene-d12	24.009	264	11542	0.400	ng/ul #	0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	38182	3.322	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.379	152	9855	0.305	ng/ul	0.01
18) Fluoranthene-d10	19.403	212	11624	0.313	ng/ul	0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.845	128	119973	1.496	ng/ul	99
7) 2-Methylnaphthalene	12.451	142	141025	2.926	ng/ul	99
8) 1-Methylnaphthalene	12.671	142	83807	1.704	ng/ul	99
10) Acenaphthylene	14.351	152	14812	0.185	ng/ul#	83
11) Acenaphthene	14.689	153	27922	0.457	ng/ul	96
12) Fluorene	15.675	166	33949	0.475	ng/ul#	96
15) Phenanthrene	17.421	178	299489	3.033	ng/ul	98
16) Anthracene	17.514	178	49378	0.574	ng/ul#	92
19) Fluoranthene	19.431	202	246578	2.939	ng/ul	98
20) Pyrene	19.803	202	241616	2.751	ng/ul	98
21) Benzo(a)anthracene	21.542	228	99060	1.386	ng/ul#	67
22) Chrysene	21.597	228	107353	1.468	ng/ul#	66
24) Benzo(b)fluoranthene	23.254	252	185753	2.262	ng/ul#	50
26) Benzo(a)pyrene	23.898	252	119619	1.910	ng/ul#	54
27) Indeno(1,2,3-cd)pyrene	26.542	276	110765	1.150	ng/ul#	78
28) Dibenzo(a,h)anthracene	26.548	278	28907	0.407	ng/ul#	1
29) Benzo(g,h,i)perylene	27.340	276	116951	1.435	ng/ul#	84

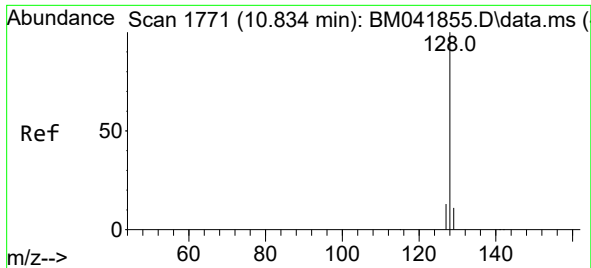
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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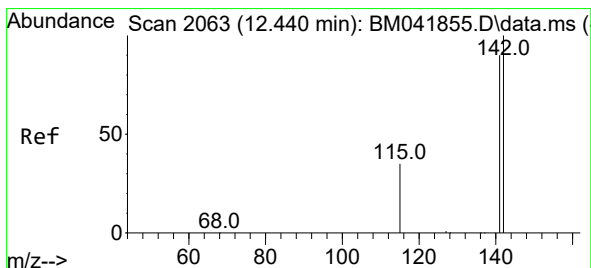
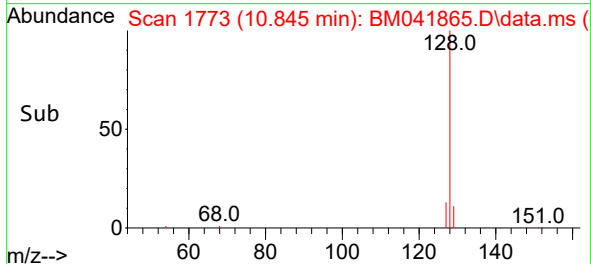
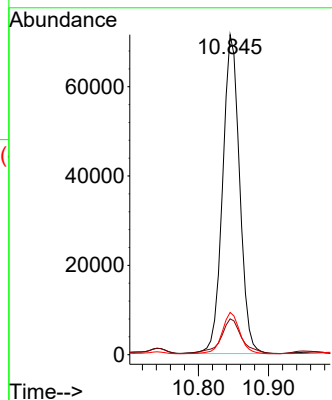
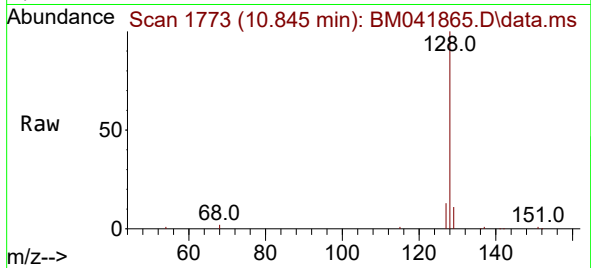




#5
Naphthalene
Concen: 1.496 ng/ul
RT: 10.845 min Scan# 1773
Delta R.T. 0.005 min
Lab File: BM041865.D
Acq: 14 Sep 2023 13:47

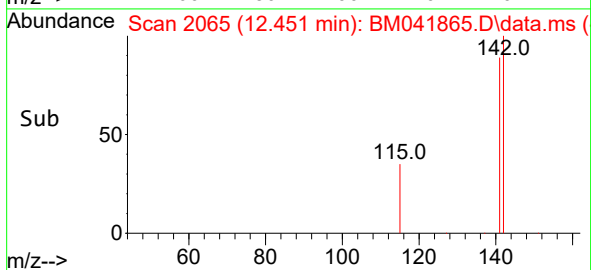
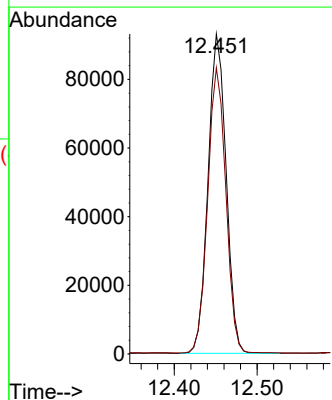
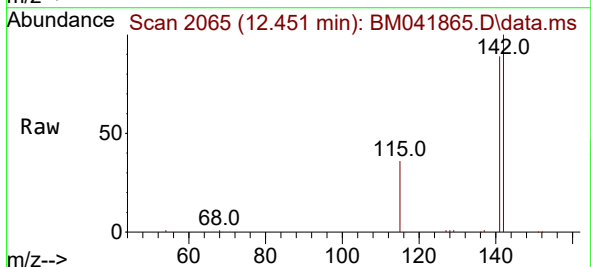
Instrument :
BNA_M
ClientSampleId :
EZYD2

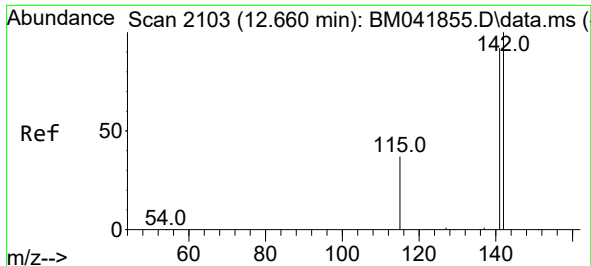
Tgt Ion:128 Resp: 119973
Ion Ratio Lower Upper
128 100
129 11.2 9.5 14.3
127 13.2 10.7 16.1



#7
2-Methylnaphthalene
Concen: 2.926 ng/ul
RT: 12.451 min Scan# 2065
Delta R.T. 0.005 min
Lab File: BM041865.D
Acq: 14 Sep 2023 13:47

Tgt Ion:142 Resp: 141025
Ion Ratio Lower Upper
142 100
141 89.6 72.1 108.1

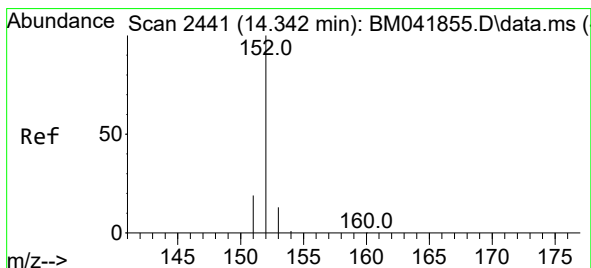
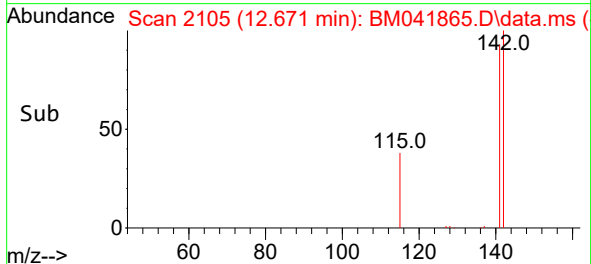
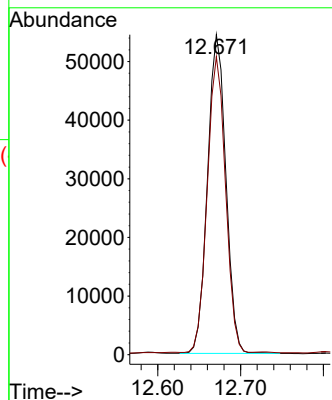
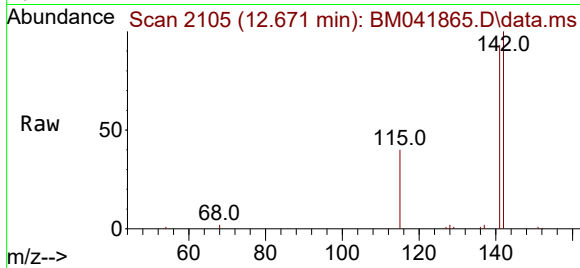




#8
1-Methylnaphthalene
Concen: 1.704 ng/ul
RT: 12.671 min Scan# 2103
Delta R.T. 0.005 min
Lab File: BM041865.D
Acq: 14 Sep 2023 13:47

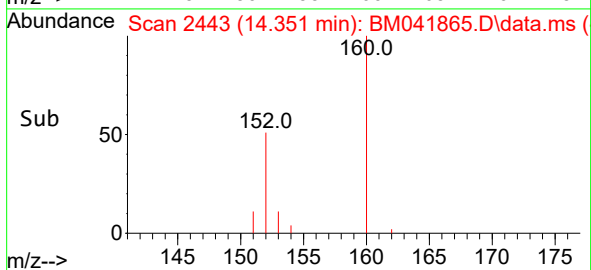
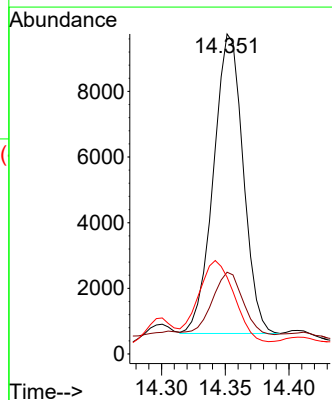
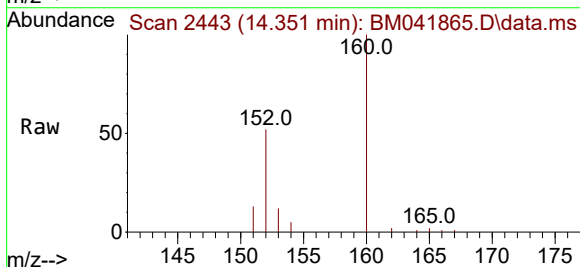
Instrument :
BNA_M
ClientSampleId :
EZYD2

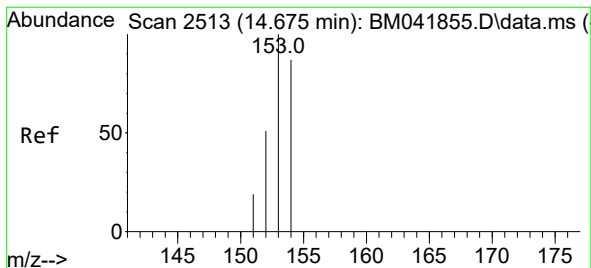
Tgt Ion:142 Resp: 83807
Ion Ratio Lower Upper
142 100
141 91.9 74.3 111.5



#10
Acenaphthylene
Concen: 0.185 ng/ul
RT: 14.351 min Scan# 2443
Delta R.T. 0.009 min
Lab File: BM041865.D
Acq: 14 Sep 2023 13:47

Tgt Ion:152 Resp: 14812
Ion Ratio Lower Upper
152 100
151 25.5 16.3 24.5#
153 24.0 10.9 16.3#





#11

Acenaphthene

Concen: 0.457 ng/ul

RT: 14.689 min Scan# 21

Delta R.T. 0.009 min

Lab File: BM041865.D

Acq: 14 Sep 2023 13:47

Instrument :

BNA_M

ClientSampleId :

EZYD2

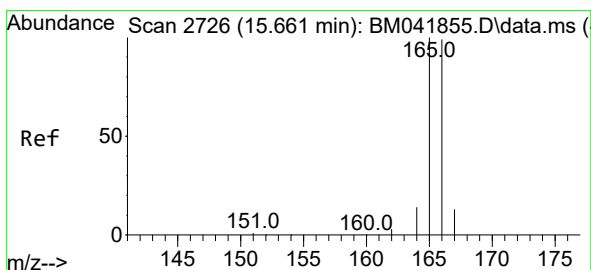
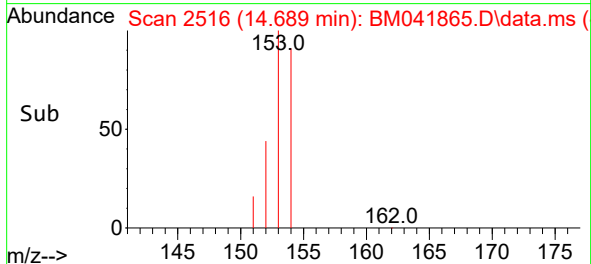
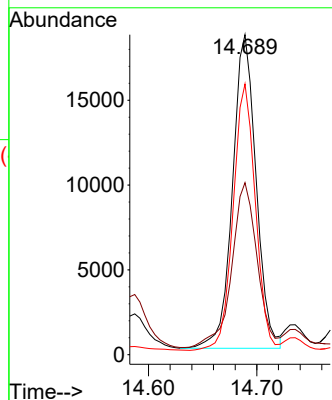
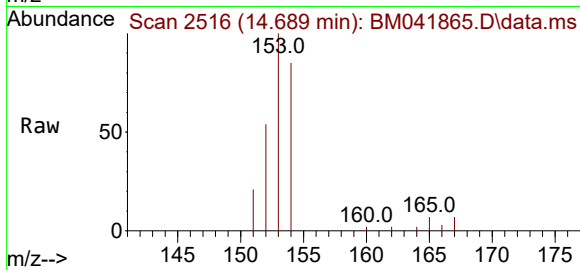
Tgt Ion:153 Resp: 27922

Ion Ratio Lower Upper

153 100

152 53.7 41.5 62.3

154 84.6 70.7 106.1



#12

Fluorene

Concen: 0.475 ng/ul

RT: 15.675 min Scan# 2729

Delta R.T. 0.009 min

Lab File: BM041865.D

Acq: 14 Sep 2023 13:47

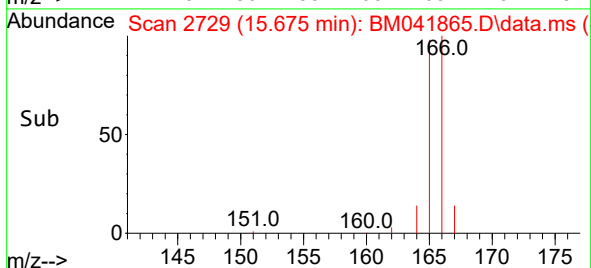
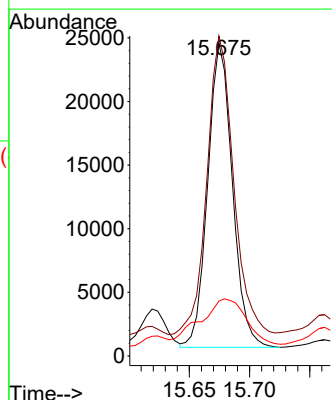
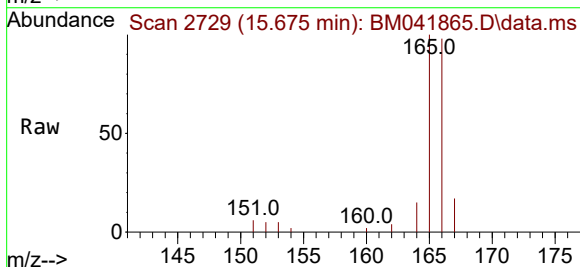
Tgt Ion:166 Resp: 33949

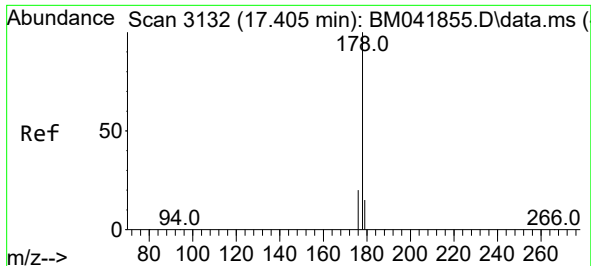
Ion Ratio Lower Upper

166 100

165 102.3 79.3 118.9

167 17.6 11.2 16.8#

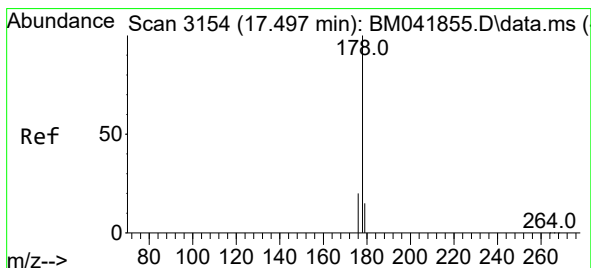
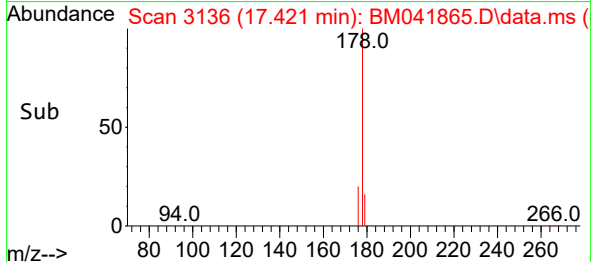
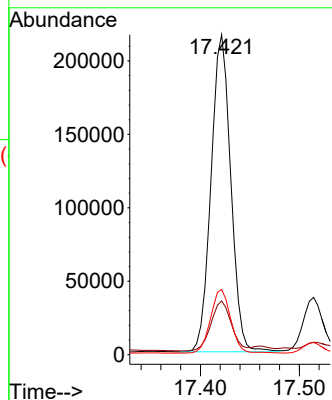
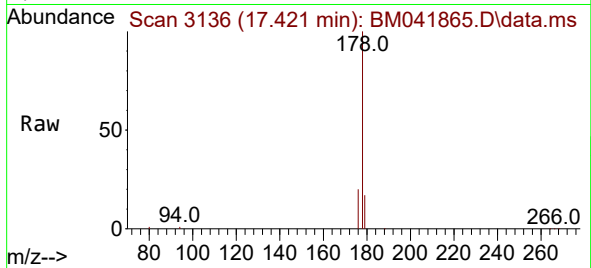




#15
Phenanthrene
Concen: 3.033 ng/ul
RT: 17.421 min Scan# 3136
Delta R.T. 0.013 min
Lab File: BM041865.D
Acq: 14 Sep 2023 13:47

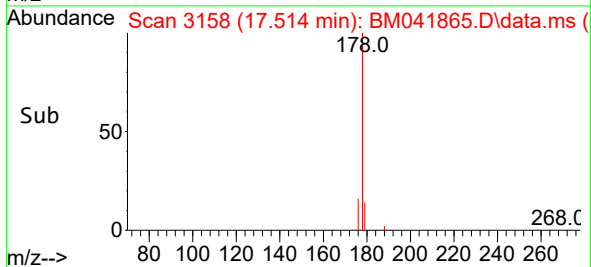
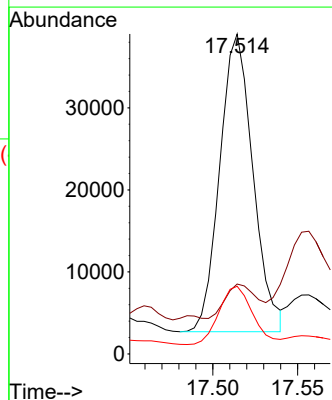
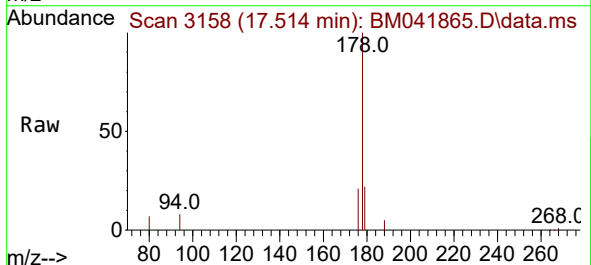
Instrument :
BNA_M
ClientSampleId :
EZYD2

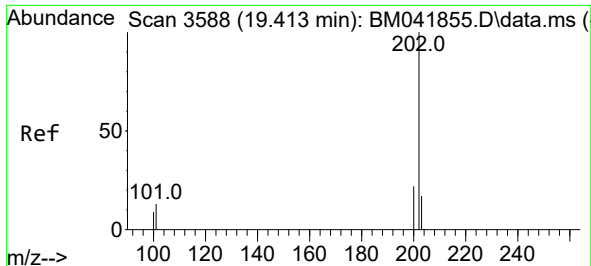
Tgt Ion:178 Resp: 299489
Ion Ratio Lower Upper
178 100
179 16.8 12.6 19.0
176 20.4 16.6 25.0



#16
Anthracene
Concen: 0.574 ng/ul
RT: 17.514 min Scan# 3158
Delta R.T. 0.013 min
Lab File: BM041865.D
Acq: 14 Sep 2023 13:47

Tgt Ion:178 Resp: 49378
Ion Ratio Lower Upper
178 100
179 21.9 12.7 19.1#
176 21.2 16.1 24.1

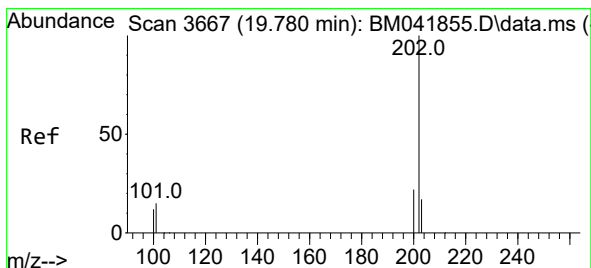
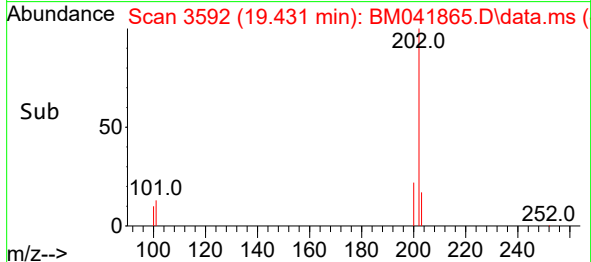
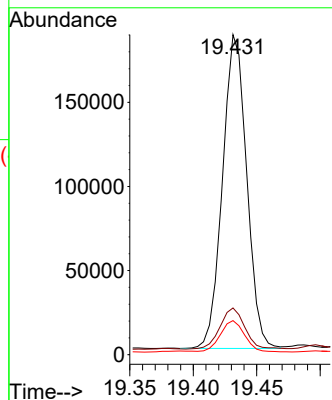
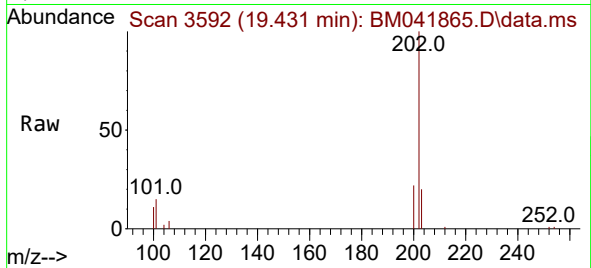




#19
Fluoranthene
Concen: 2.939 ng/ul
RT: 19.431 min Scan# 3592
Delta R.T. 0.014 min
Lab File: BM041865.D
Acq: 14 Sep 2023 13:47

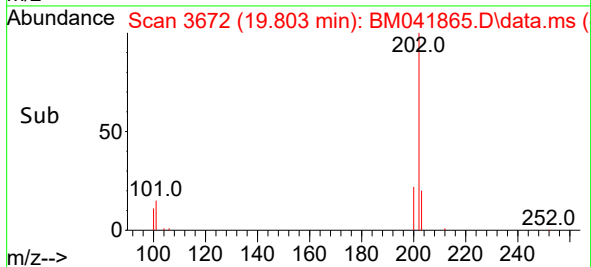
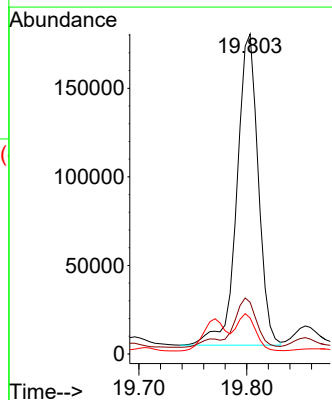
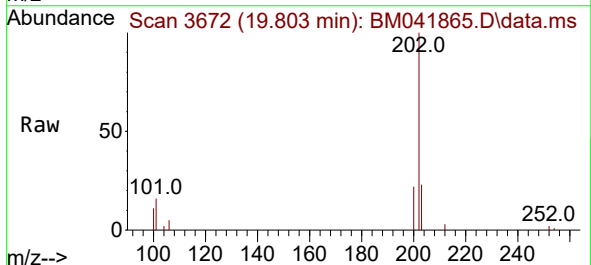
Instrument :
BNA_M
ClientSampleId :
EZYD2

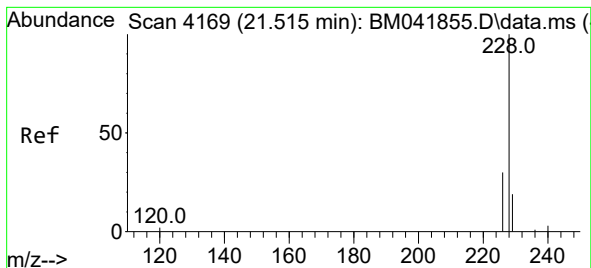
Tgt Ion:202 Resp: 246578
Ion Ratio Lower Upper
202 100
101 14.6 11.0 16.6
100 10.7 8.2 12.4



#20
Pyrene
Concen: 2.751 ng/ul
RT: 19.803 min Scan# 3672
Delta R.T. 0.018 min
Lab File: BM041865.D
Acq: 14 Sep 2023 13:47

Tgt Ion:202 Resp: 241616
Ion Ratio Lower Upper
202 100
101 16.1 12.6 19.0
100 11.3 9.9 14.9





#21

Benzo(a)anthracene

Concen: 1.386 ng/ul

RT: 21.542 min Scan# 41

Delta R.T. 0.020 min

Lab File: BM041865.D

Acq: 14 Sep 2023 13:47

Instrument :

BNA_M

ClientSampleId :

EZYD2

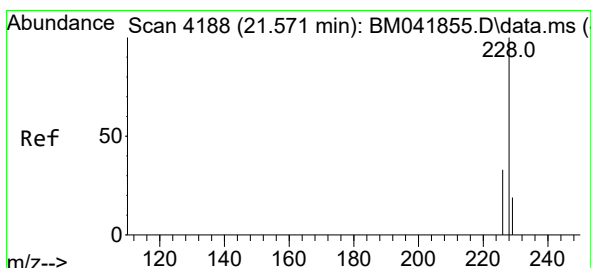
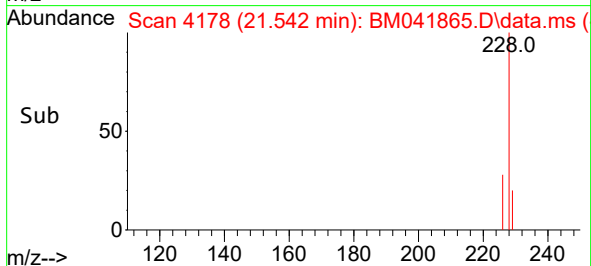
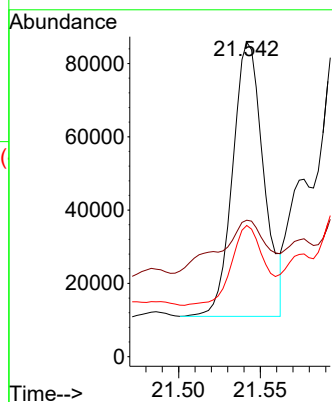
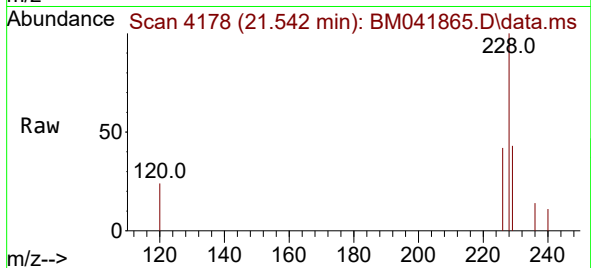
Tgt Ion:228 Resp: 99060

Ion Ratio Lower Upper

228 100

229 43.4 15.8 23.8#

226 41.7 24.3 36.5#



#22

Chrysene

Concen: 1.468 ng/ul

RT: 21.597 min Scan# 4197

Delta R.T. 0.020 min

Lab File: BM041865.D

Acq: 14 Sep 2023 13:47

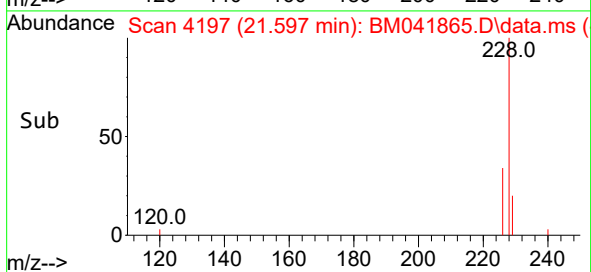
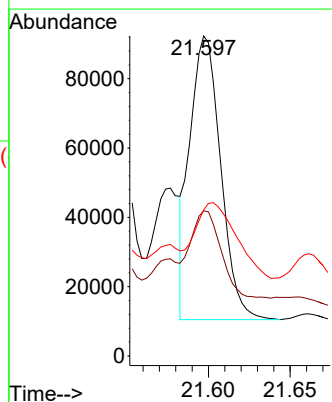
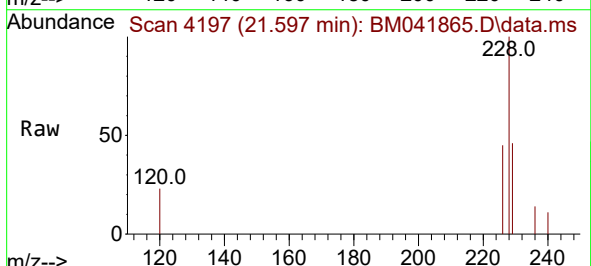
Tgt Ion:228 Resp: 107353

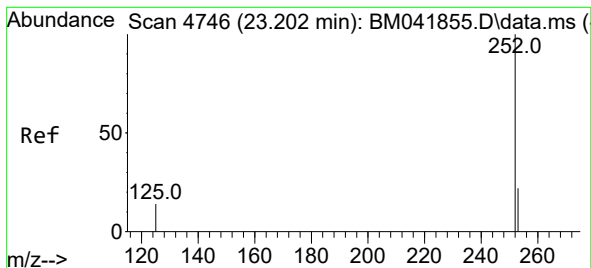
Ion Ratio Lower Upper

228 100

226 45.3 27.0 40.4#

229 45.6 15.7 23.5#





#24

Benzo(b)fluoranthene

Concen: 2.262 ng/ul

RT: 23.254 min Scan# 41

Delta R.T. 0.047 min

Lab File: BM041865.D

Acq: 14 Sep 2023 13:47

Instrument :

BNA_M

ClientSampleId :

EZYD2

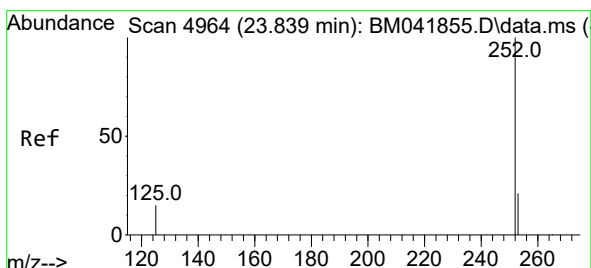
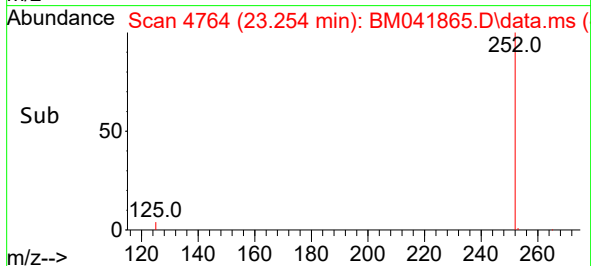
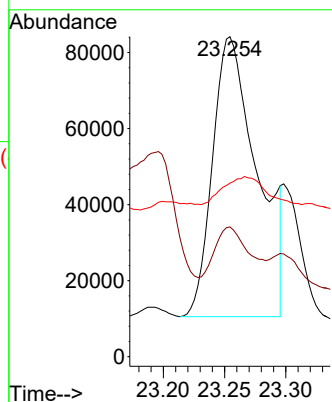
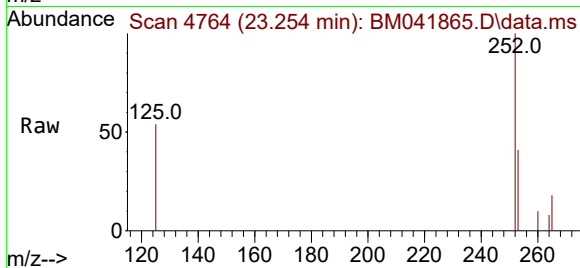
Tgt Ion:252 Resp: 185753

Ion Ratio Lower Upper

252 100

253 40.6 0.0 51.0

125 54.3 0.0 39.8#



#26

Benzo(a)pyrene

Concen: 1.910 ng/ul

RT: 23.898 min Scan# 4984

Delta R.T. 0.053 min

Lab File: BM041865.D

Acq: 14 Sep 2023 13:47

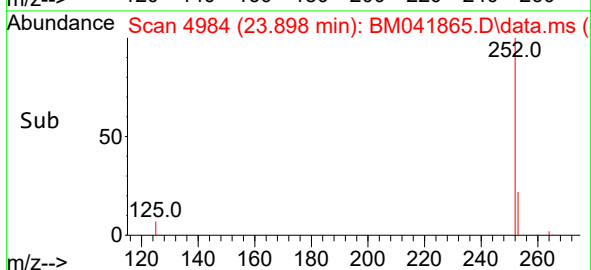
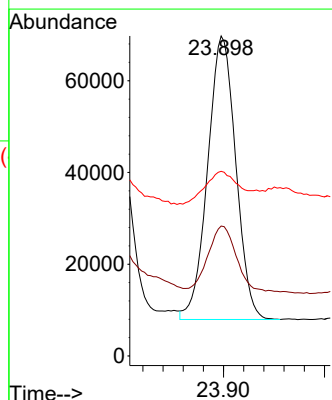
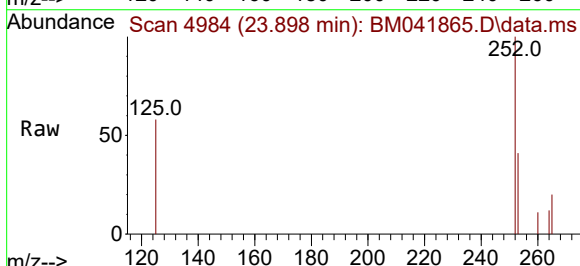
Tgt Ion:252 Resp: 119619

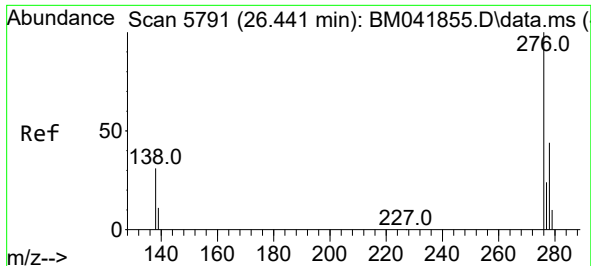
Ion Ratio Lower Upper

252 100

253 40.6 21.8 32.8#

125 57.7 18.8 28.2#

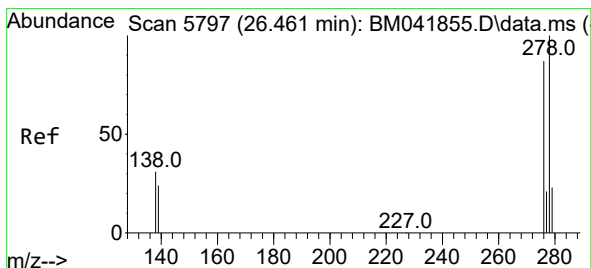
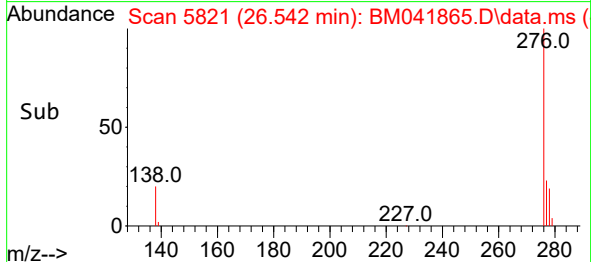
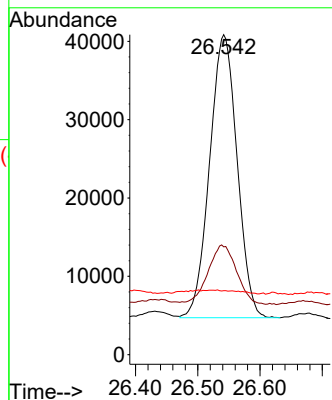
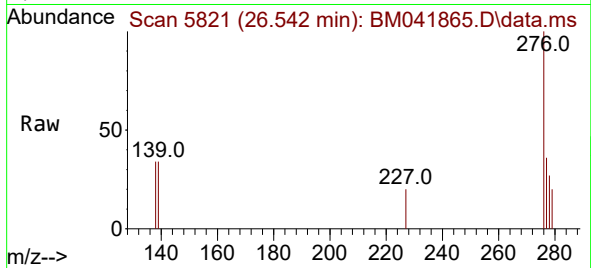




#27
Indeno(1,2,3-cd)pyrene
Concen: 1.150 ng/ul
RT: 26.542 min Scan# 5821
Delta R.T. 0.087 min
Lab File: BM041865.D
Acq: 14 Sep 2023 13:47

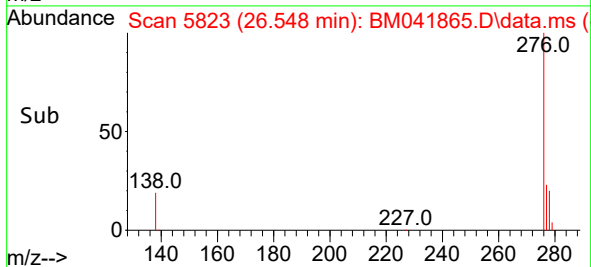
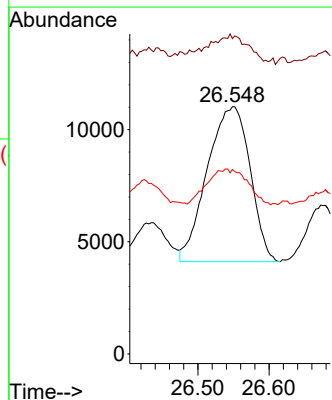
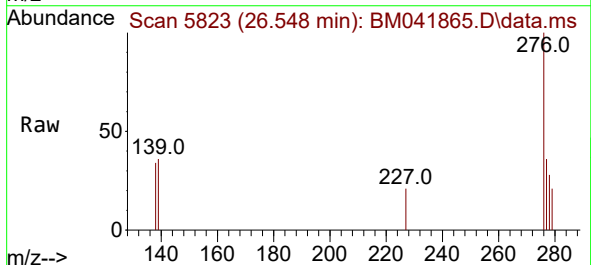
Instrument :
BNA_M
ClientSampleId :
EZYD2

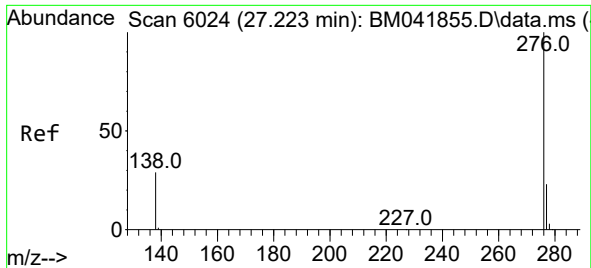
Tgt Ion:276 Resp: 110765
Ion Ratio Lower Upper
276 100
138 21.7 27.7 41.5#
227 0.0 0.1 0.1#



#28
Dibenzo(a,h)anthracene
Concen: 0.407 ng/ul
RT: 26.548 min Scan# 5823
Delta R.T. 0.074 min
Lab File: BM041865.D
Acq: 14 Sep 2023 13:47

Tgt Ion:278 Resp: 28907
Ion Ratio Lower Upper
278 100
139 127.6 20.9 31.3#
279 74.6 20.3 30.5#





#29
 Benzo(g,h,i)perylene
 Concen: 1.435 ng/ul
 RT: 27.340 min Scan# 6024
 Delta R.T. 0.104 min
 Lab File: BM041865.D
 Acq: 14 Sep 2023 13:47

Instrument :
 BNA_M
 ClientSampleId :
 EZYD2

Tgt Ion:276 Resp: 116951
 Ion Ratio Lower Upper
 276 100
 138 35.9 24.7 37.1
 277 36.3 19.3 28.9#

