

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091323\
 Data File : BM041862.D
 Acq On : 14 Sep 2023 11:56
 Operator : MA/JU
 Sample : 04175-08
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EZYK2

Quant Time: Sep 15 00:28:42 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)

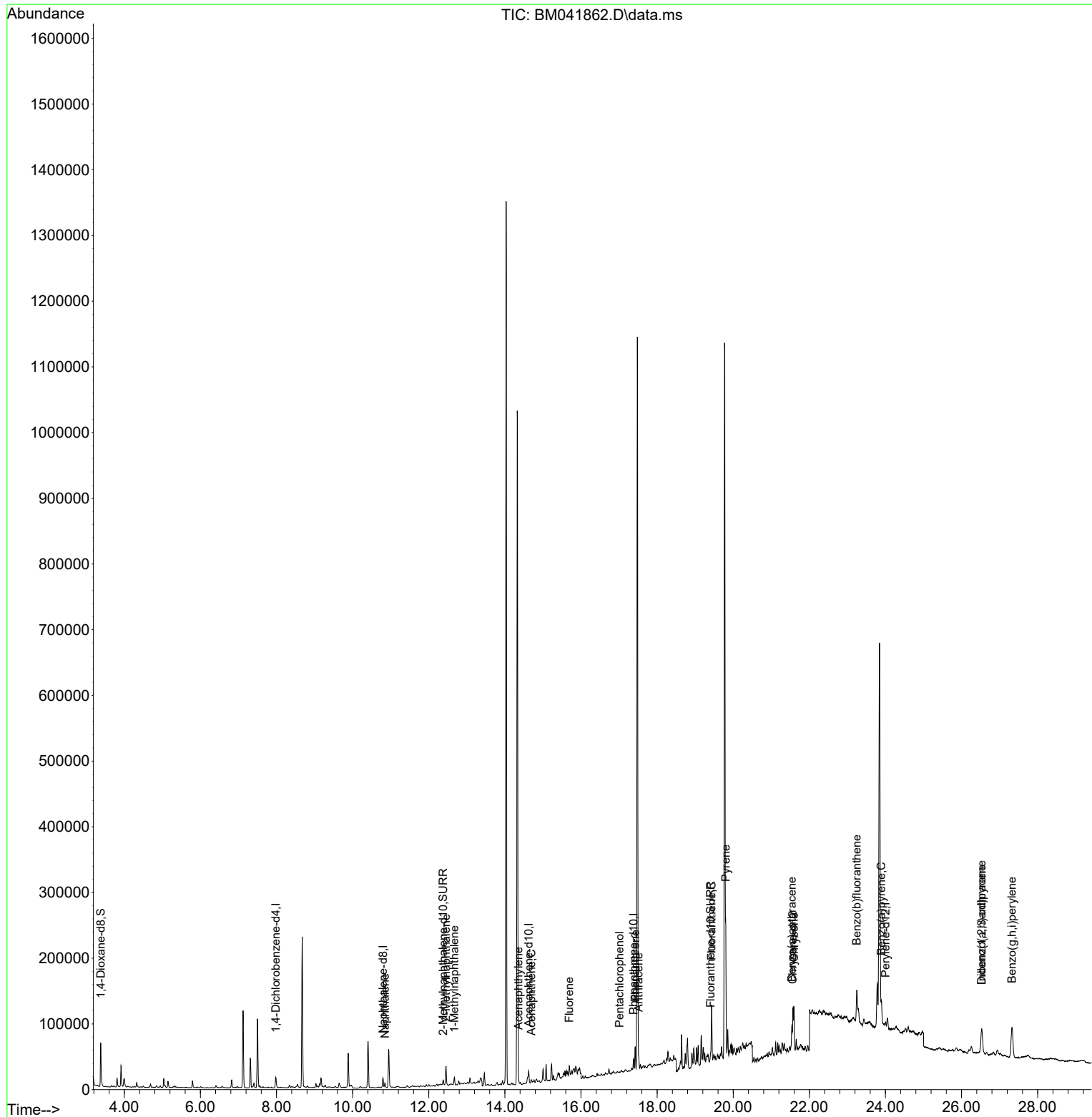
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.980	152	7211	0.400	ng/ul	0.00
4) Naphthalene-d8	10.797	136	19519	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.625	164	10244	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.380	188	18373	0.400	ng/ul	# 0.01
17) Chrysene-d12	21.557	240	11180	0.400	ng/ul	# 0.02
23) Perylene-d12	24.001	264	9032	0.400	ng/ul	# 0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	42183	4.599	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.375	152	10551	0.398	ng/ul	0.00
18) Fluoranthene-d10	19.405	212	13260	0.346	ng/ul	0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.847	128	9478	0.144	ng/ul	96
7) 2-Methylnaphthalene	12.452	142	19788	0.501	ng/ul	99
8) 1-Methylnaphthalene	12.672	142	6967	0.173	ng/ul	99
10) Acenaphthylene	14.357	152	9538	0.148	ng/ul#	57
11) Acenaphthene	14.695	153	3143	0.064	ng/ul#	52
12) Fluorene	15.689	166	3995	0.070	ng/ul#	1
14) Pentachlorophenol	17.013	266	258	0.025	ng/ul#	56
15) Phenanthrene	17.422	178	35561	0.443	ng/ul#	79
16) Anthracene	17.515	178	21095	0.302	ng/ul#	66
19) Fluoranthene	19.432	202	70042	0.809	ng/ul	95
20) Pyrene	19.804	202	162170	1.789	ng/ul	99
21) Benzo(a)anthracene	21.540	228	29930	0.406	ng/ul#	44
22) Chrysene	21.595	228	50081	0.663	ng/ul#	71
24) Benzo(b)fluoranthene	23.247	252	92580	1.441	ng/ul#	1
26) Benzo(a)pyrene	23.890	252	56825	1.160	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	26.530	276	70281	0.933	ng/ul#	78
28) Dibenzo(a,h)anthracene	26.530	278	21019	0.378	ng/ul#	1
29) Benzo(g,h,i)perylene	27.325	276	104650	1.641	ng/ul#	77

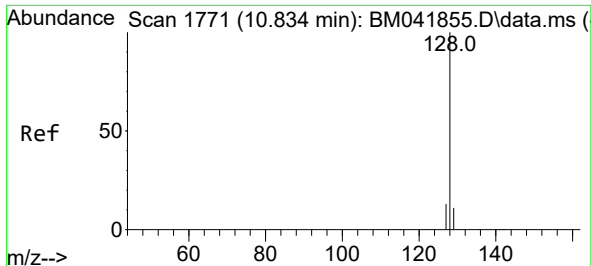
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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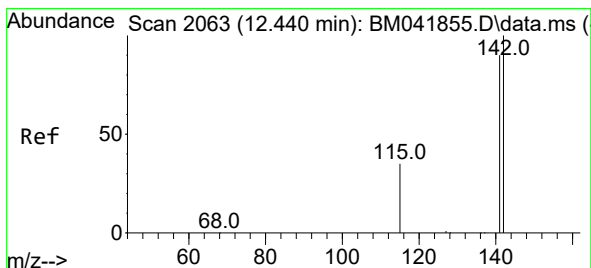
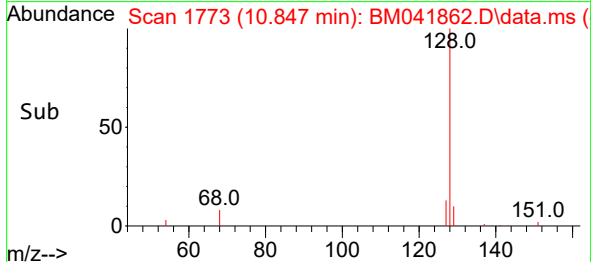
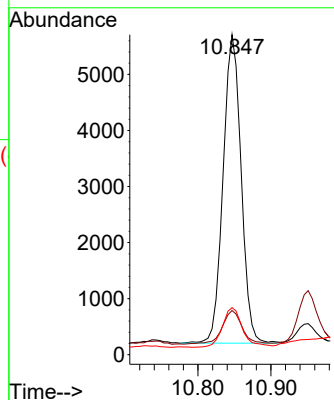
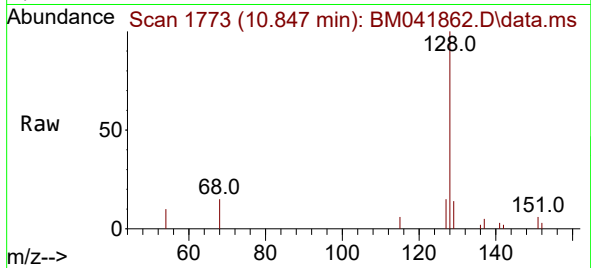




#5
Naphthalene
Concen: 0.144 ng/ul
RT: 10.847 min Scan# 1773
Delta R.T. 0.007 min
Lab File: BM041862.D
Acq: 14 Sep 2023 11:56

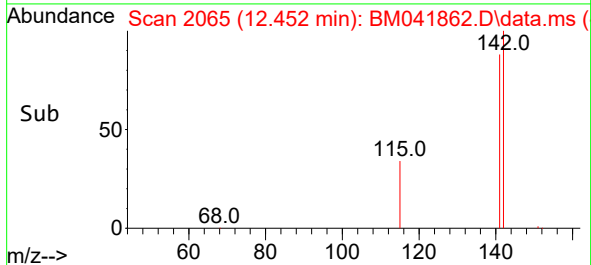
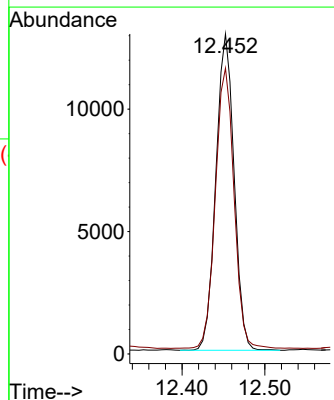
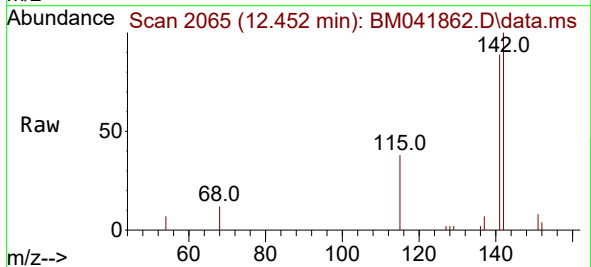
Instrument :
BNA_M
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EZYK2

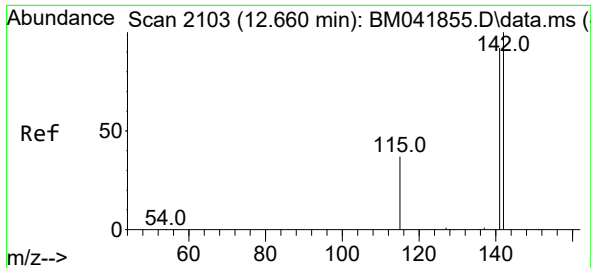
Tgt Ion:128 Resp: 9478
Ion Ratio Lower Upper
128 100
129 13.8 9.5 14.3
127 14.7 10.7 16.1



#7
2-Methylnaphthalene
Concen: 0.501 ng/ul
RT: 12.452 min Scan# 2065
Delta R.T. 0.007 min
Lab File: BM041862.D
Acq: 14 Sep 2023 11:56

Tgt Ion:142 Resp: 19788
Ion Ratio Lower Upper
142 100
141 90.8 72.1 108.1

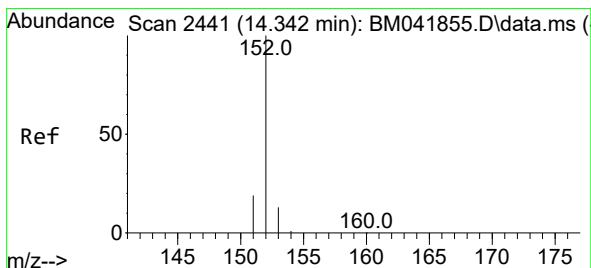
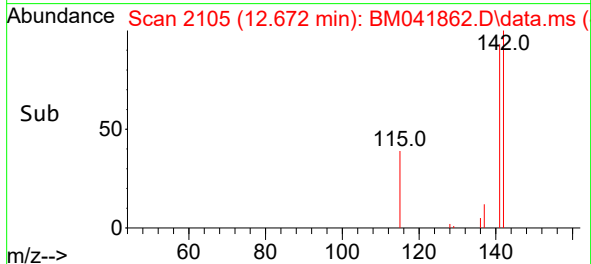
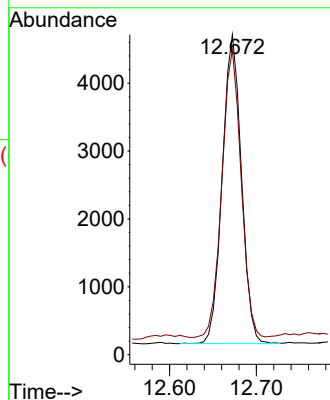
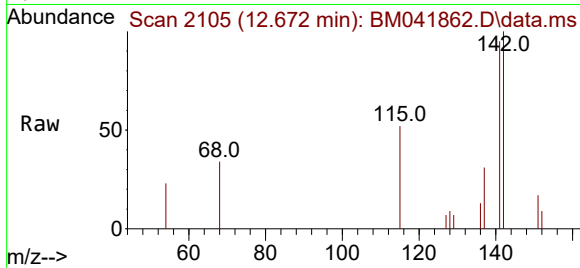




#8
1-Methylnaphthalene
Concen: 0.173 ng/ul
RT: 12.672 min Scan# 2103
Delta R.T. 0.007 min
Lab File: BM041862.D
Acq: 14 Sep 2023 11:56

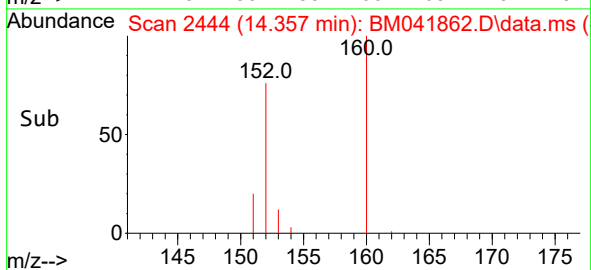
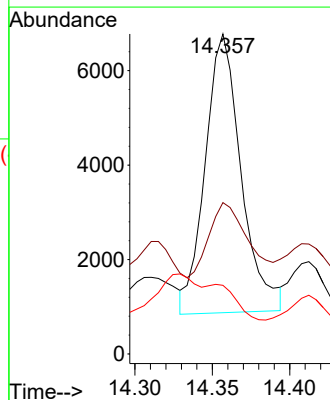
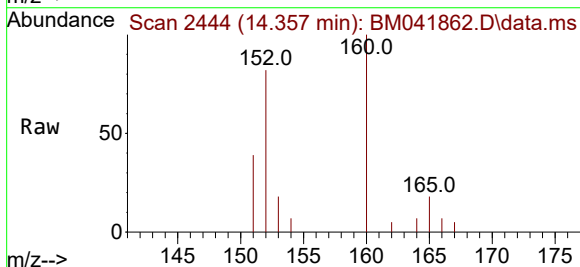
Instrument :
BNA_M
ClientSampleId :
EZYK2

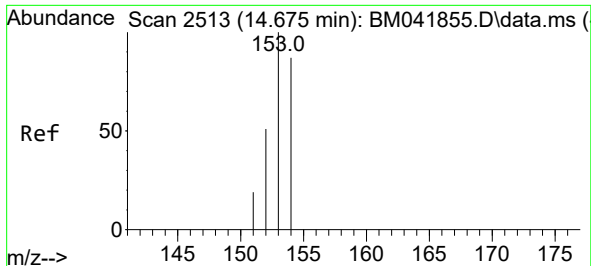
Tgt Ion:142 Resp: 6967
Ion Ratio Lower Upper
142 100
141 93.5 74.3 111.5



#10
Acenaphthylene
Concen: 0.148 ng/ul
RT: 14.357 min Scan# 2444
Delta R.T. 0.015 min
Lab File: BM041862.D
Acq: 14 Sep 2023 11:56

Tgt Ion:152 Resp: 9538
Ion Ratio Lower Upper
152 100
151 47.3 16.3 24.5#
153 21.5 10.9 16.3#

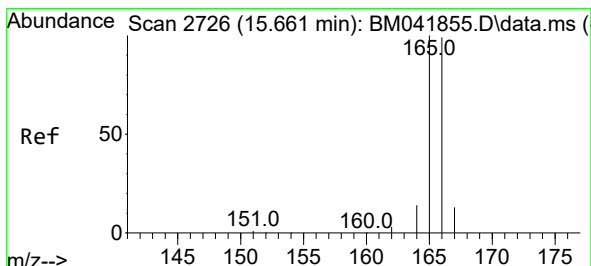
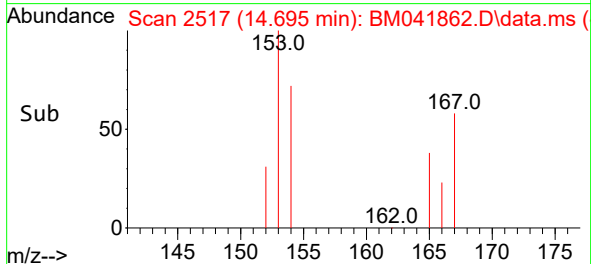
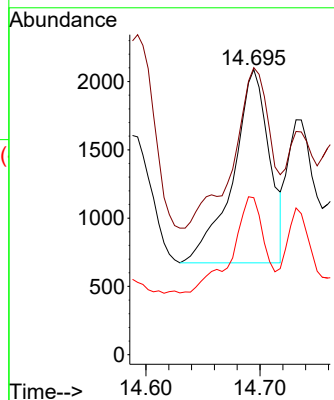
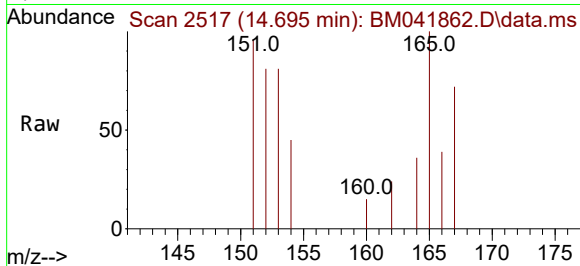




#11
Acenaphthene
Concen: 0.064 ng/ul
RT: 14.695 min Scan# 21
Delta R.T. 0.015 min
Lab File: BM041862.D
Acq: 14 Sep 2023 11:56

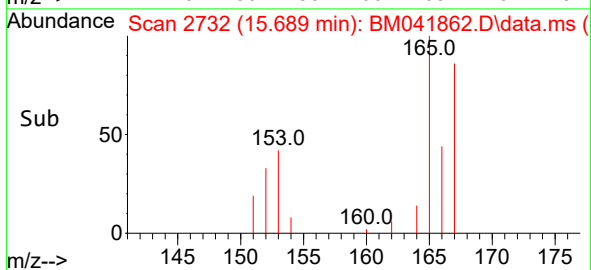
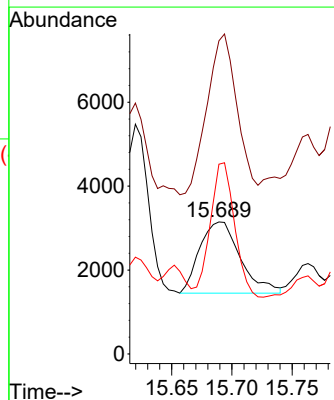
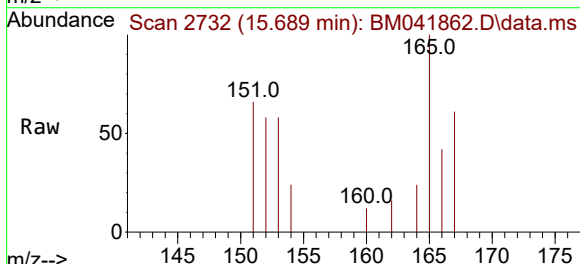
Instrument :
BNA_M
ClientSampleId :
EZYK2

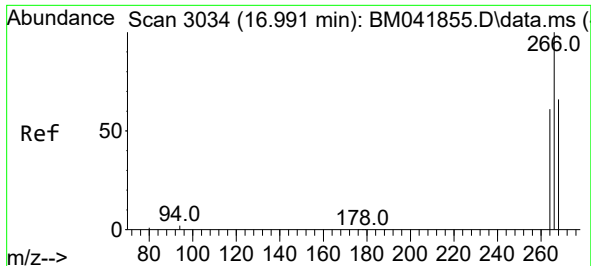
Tgt Ion:153 Resp: 3143
Ion Ratio Lower Upper
153 100
152 100.7 41.5 62.3#
154 55.1 70.7 106.1#



#12
Fluorene
Concen: 0.070 ng/ul
RT: 15.689 min Scan# 2732
Delta R.T. 0.024 min
Lab File: BM041862.D
Acq: 14 Sep 2023 11:56

Tgt Ion:166 Resp: 3995
Ion Ratio Lower Upper
166 100
165 237.1 79.3 118.9#
167 143.7 11.2 16.8#

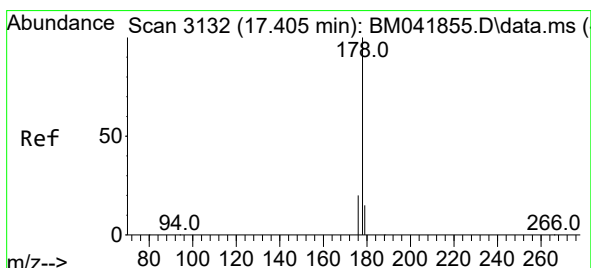
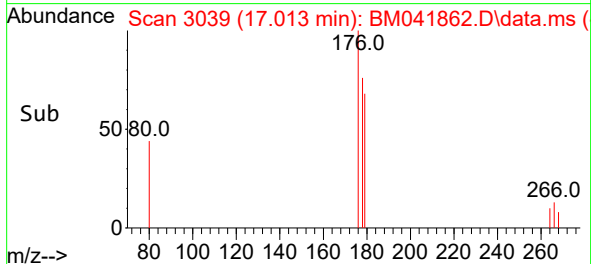
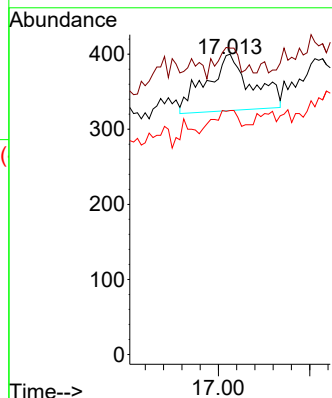
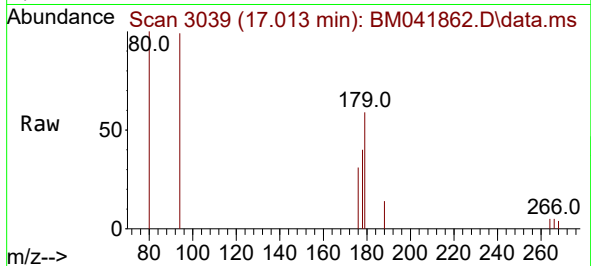




#14
Pentachlorophenol
Concen: 0.025 ng/ul
RT: 17.013 min Scan# 3039
Delta R.T. 0.022 min
Lab File: BM041862.D
Acq: 14 Sep 2023 11:56

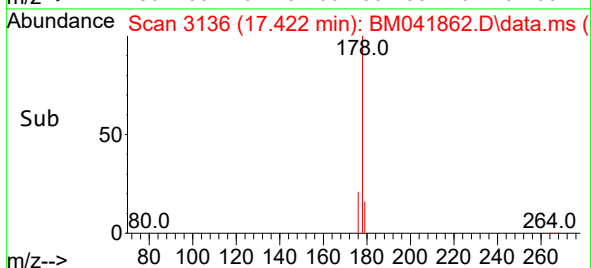
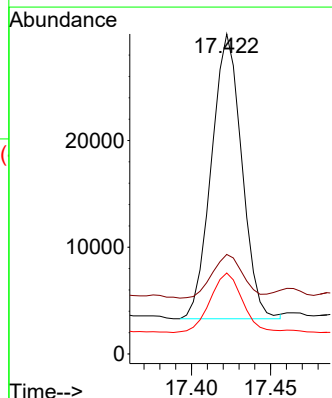
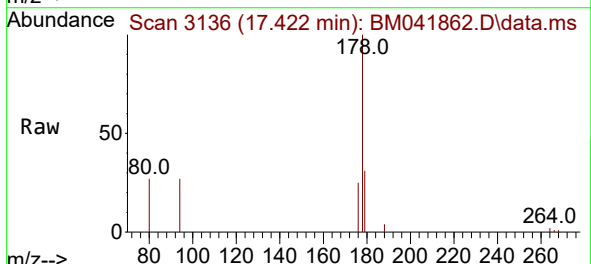
Instrument :
BNA_M
ClientSampleId :
EZYK2

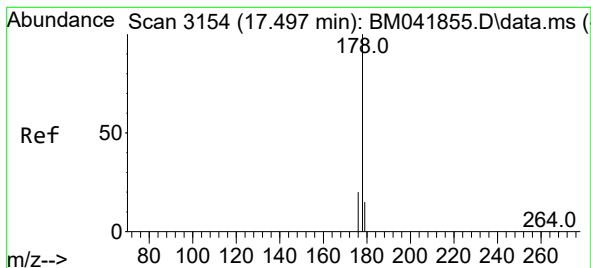
Tgt Ion:266 Resp: 258
Ion Ratio Lower Upper
266 100
264 31.0 49.4 74.2#
268 26.4 50.3 75.5#



#15
Phenanthrene
Concen: 0.443 ng/ul
RT: 17.422 min Scan# 3136
Delta R.T. 0.013 min
Lab File: BM041862.D
Acq: 14 Sep 2023 11:56

Tgt Ion:178 Resp: 35561
Ion Ratio Lower Upper
178 100
179 31.1 12.6 19.0#
176 25.3 16.6 25.0#





#16

Anthracene

Concen: 0.302 ng/ul

RT: 17.515 min Scan# 3154

Delta R.T. 0.013 min

Lab File: BM041862.D

Acq: 14 Sep 2023 11:56

Instrument :

BNA_M

ClientSampleId :

EZYK2

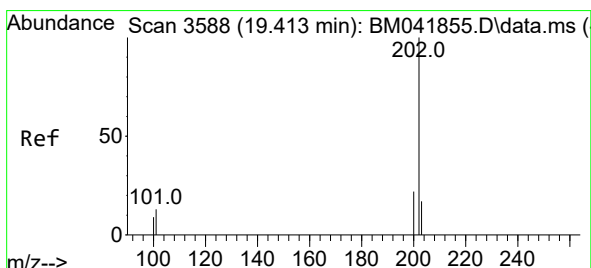
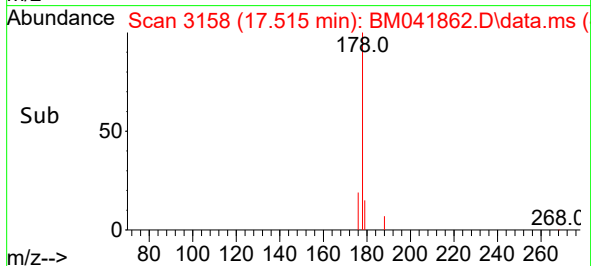
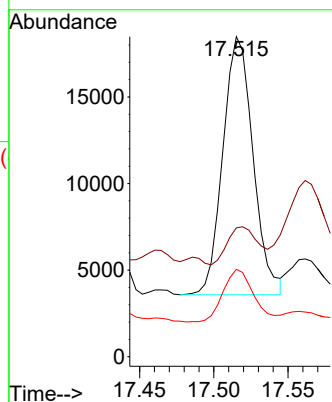
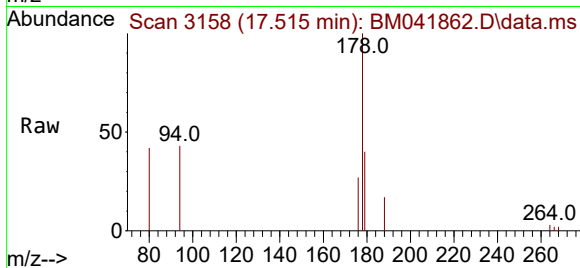
Tgt Ion:178 Resp: 21095

Ion Ratio Lower Upper

178 100

179 40.2 12.7 19.1#

176 27.3 16.1 24.1#



#19

Fluoranthene

Concen: 0.809 ng/ul

RT: 19.432 min Scan# 3592

Delta R.T. 0.015 min

Lab File: BM041862.D

Acq: 14 Sep 2023 11:56

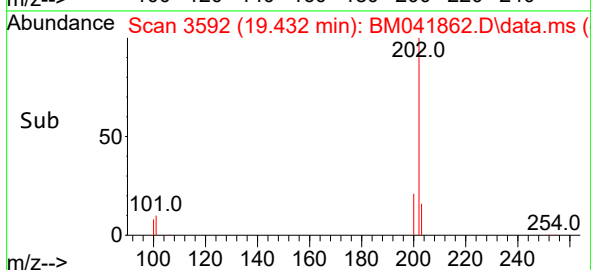
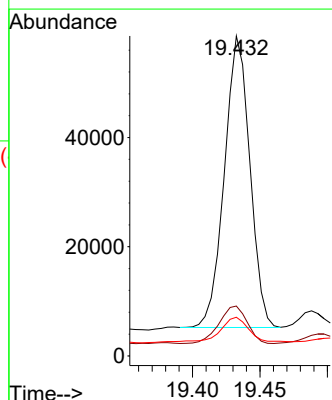
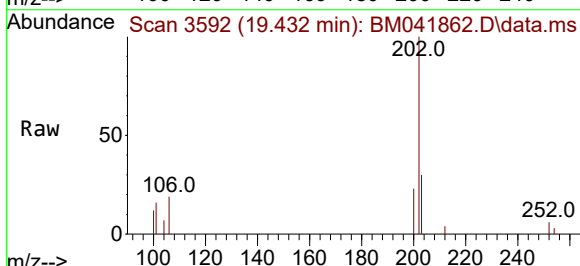
Tgt Ion:202 Resp: 70042

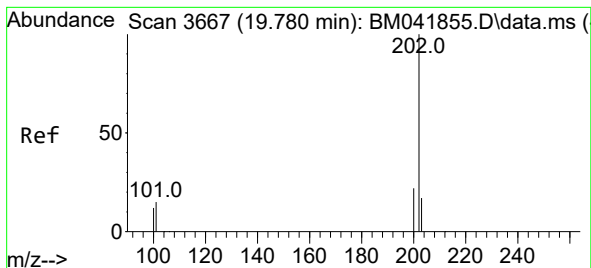
Ion Ratio Lower Upper

202 100

101 15.6 11.0 16.6

100 12.1 8.2 12.4





#20

Pyrene

Concen: 1.789 ng/ul

RT: 19.804 min Scan# 3

Delta R.T. 0.020 min

Lab File: BM041862.D

Acq: 14 Sep 2023 11:56

Instrument :

BNA_M

ClientSampleId :

EZYK2

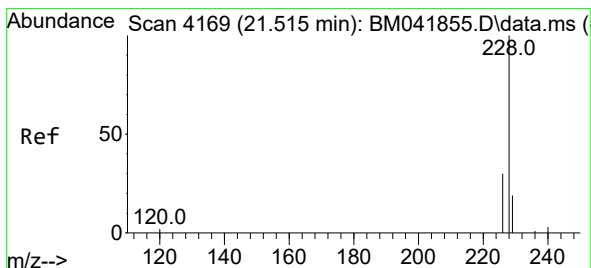
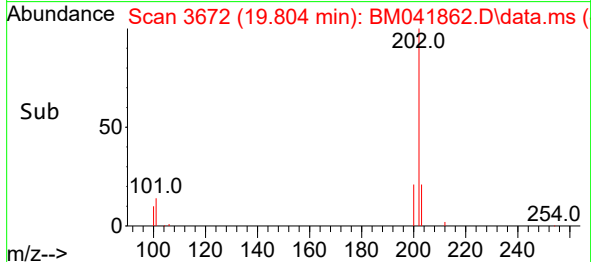
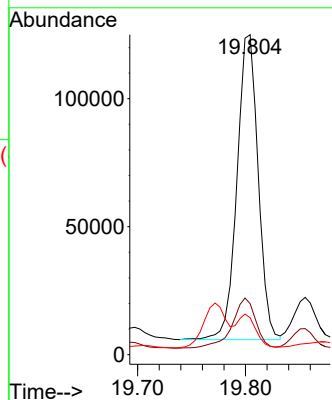
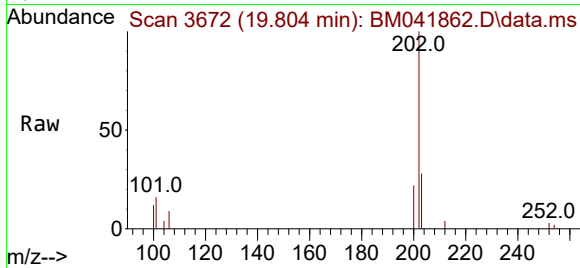
Tgt Ion:202 Resp: 162170

Ion Ratio Lower Upper

202 100

101 16.0 12.6 19.0

100 11.6 9.9 14.9



#21

Benzo(a)anthracene

Concen: 0.406 ng/ul

RT: 21.540 min Scan# 4177

Delta R.T. 0.019 min

Lab File: BM041862.D

Acq: 14 Sep 2023 11:56

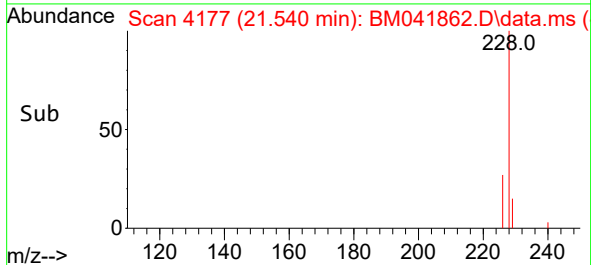
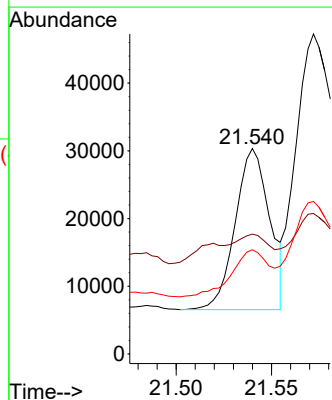
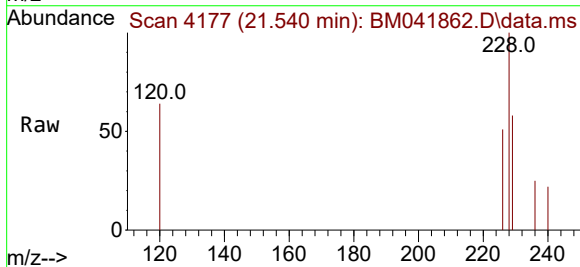
Tgt Ion:228 Resp: 29930

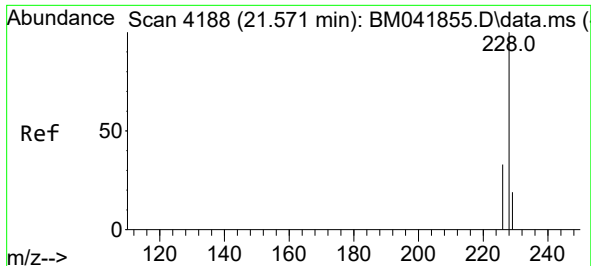
Ion Ratio Lower Upper

228 100

229 58.4 15.8 23.8#

226 50.7 24.3 36.5#





#22

Chrysene

Concen: 0.663 ng/ul

RT: 21.595 min Scan# 41

Delta R.T. 0.019 min

Lab File: BM041862.D

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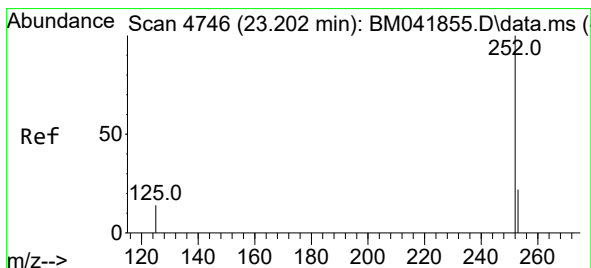
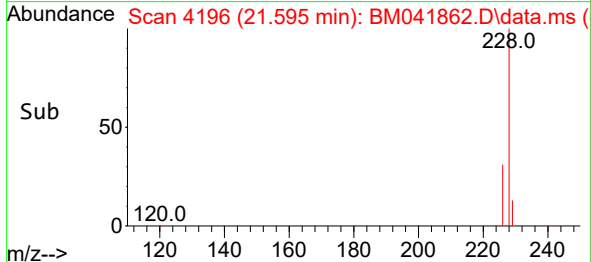
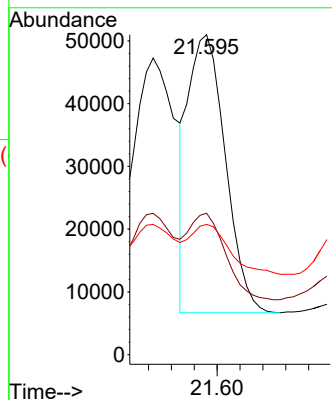
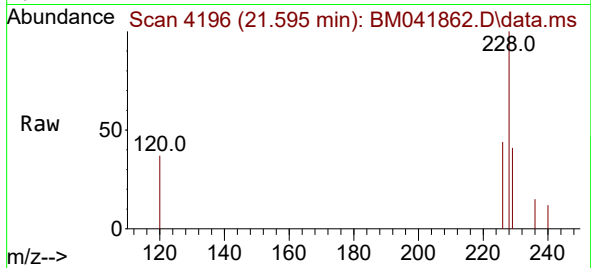
Tgt Ion:228 Resp: 50081

Ion Ratio Lower Upper

228 100

226 44.2 27.0 40.4#

229 40.7 15.7 23.5#



#24

Benzo(b)fluoranthene

Concen: 1.441 ng/ul

RT: 23.247 min Scan# 4761

Delta R.T. 0.039 min

Lab File: BM041862.D

Acq: 14 Sep 2023 11:56

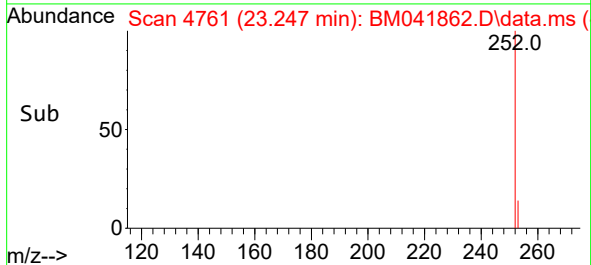
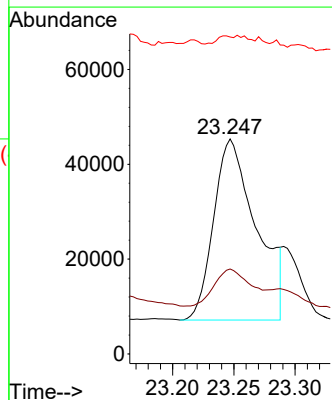
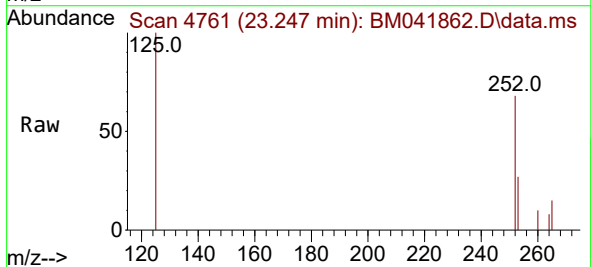
Tgt Ion:252 Resp: 92580

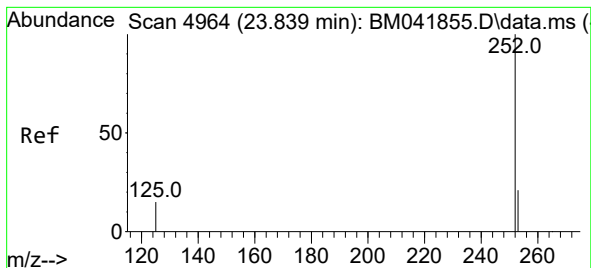
Ion Ratio Lower Upper

252 100

253 39.5 0.0 51.0

125 147.3 0.0 39.8#





#26

Benzo(a)pyrene

Concen: 1.160 ng/ul

RT: 23.890 min Scan# 4964

Delta R.T. 0.045 min

Lab File: BM041862.D

Acq: 14 Sep 2023 11:56

Instrument :

BNA_M

ClientSampleId :

EZYK2

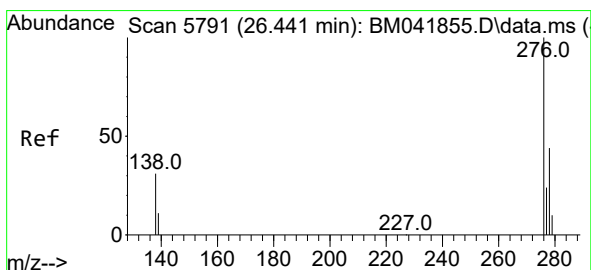
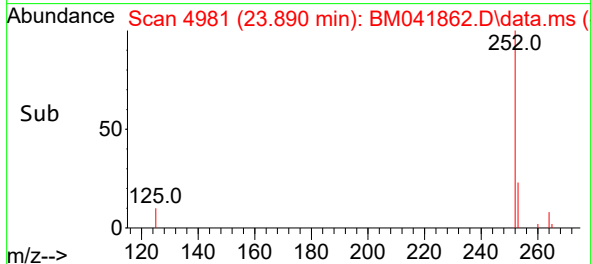
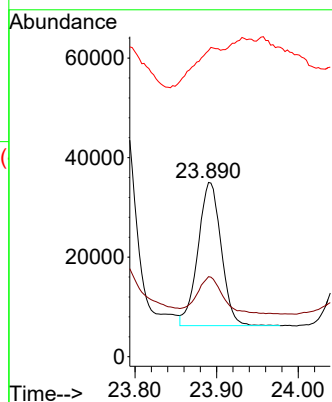
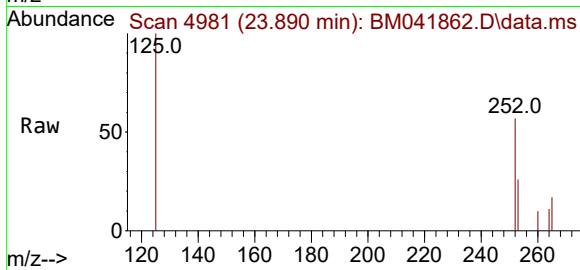
Tgt Ion:252 Resp: 56825

Ion Ratio Lower Upper

252 100

253 45.9 21.8 32.8#

125 175.7 18.8 28.2#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.933 ng/ul

RT: 26.530 min Scan# 5817

Delta R.T. 0.075 min

Lab File: BM041862.D

Acq: 14 Sep 2023 11:56

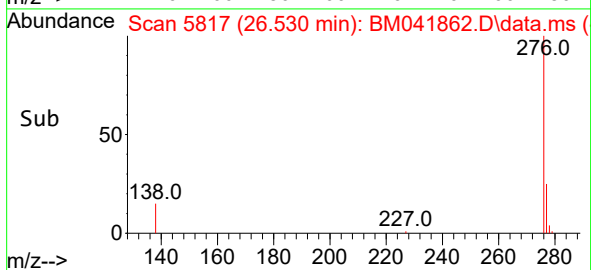
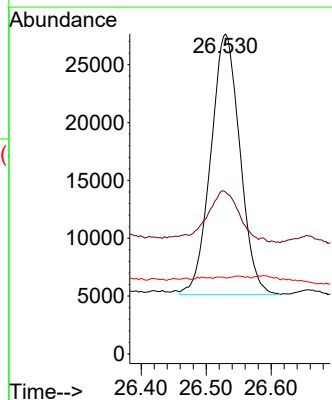
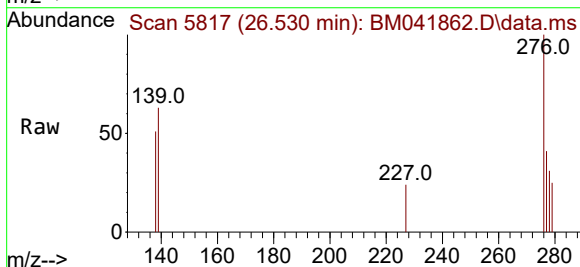
Tgt Ion:276 Resp: 70281

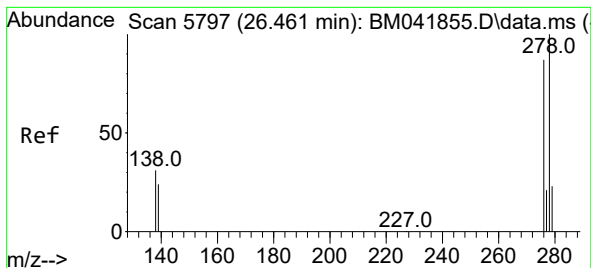
Ion Ratio Lower Upper

276 100

138 21.9 27.7 41.5#

227 0.0 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.378 ng/ul

RT: 26.530 min Scan# 5817

Delta R.T. 0.055 min

Lab File: BM041862.D

Acq: 14 Sep 2023 11:56

Instrument :

BNA_M

ClientSampleId :

EZYK2

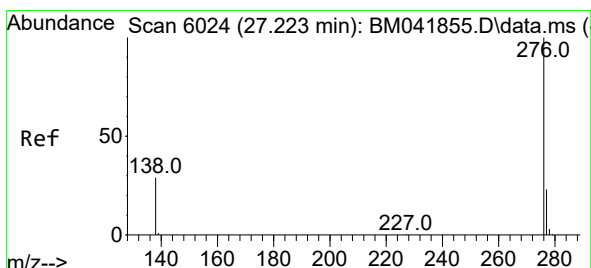
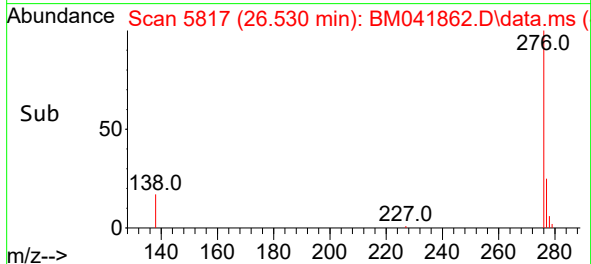
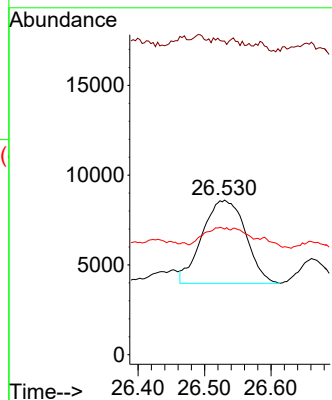
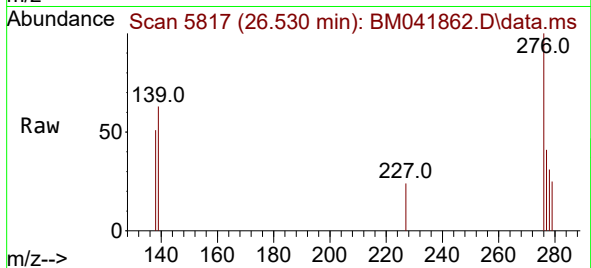
Tgt Ion:278 Resp: 21019

Ion Ratio Lower Upper

278 100

139 203.0 20.9 31.3#

279 81.3 20.3 30.5#



#29

Benzo(g,h,i)perylene

Concen: 1.641 ng/ul

RT: 27.325 min Scan# 6054

Delta R.T. 0.089 min

Lab File: BM041862.D

Acq: 14 Sep 2023 11:56

Tgt Ion:276 Resp: 104650

Ion Ratio Lower Upper

276 100

138 43.5 24.7 37.1#

277 35.5 19.3 28.9#

