

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050823\
 Data File : BM039864.D
 Acq On : 08 May 2023 11:35
 Operator : CG/JU
 Sample : 02479-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW943

Quant Time: May 09 01:50:56 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 08 14:35:49 2023
 Response via : Initial Calibration

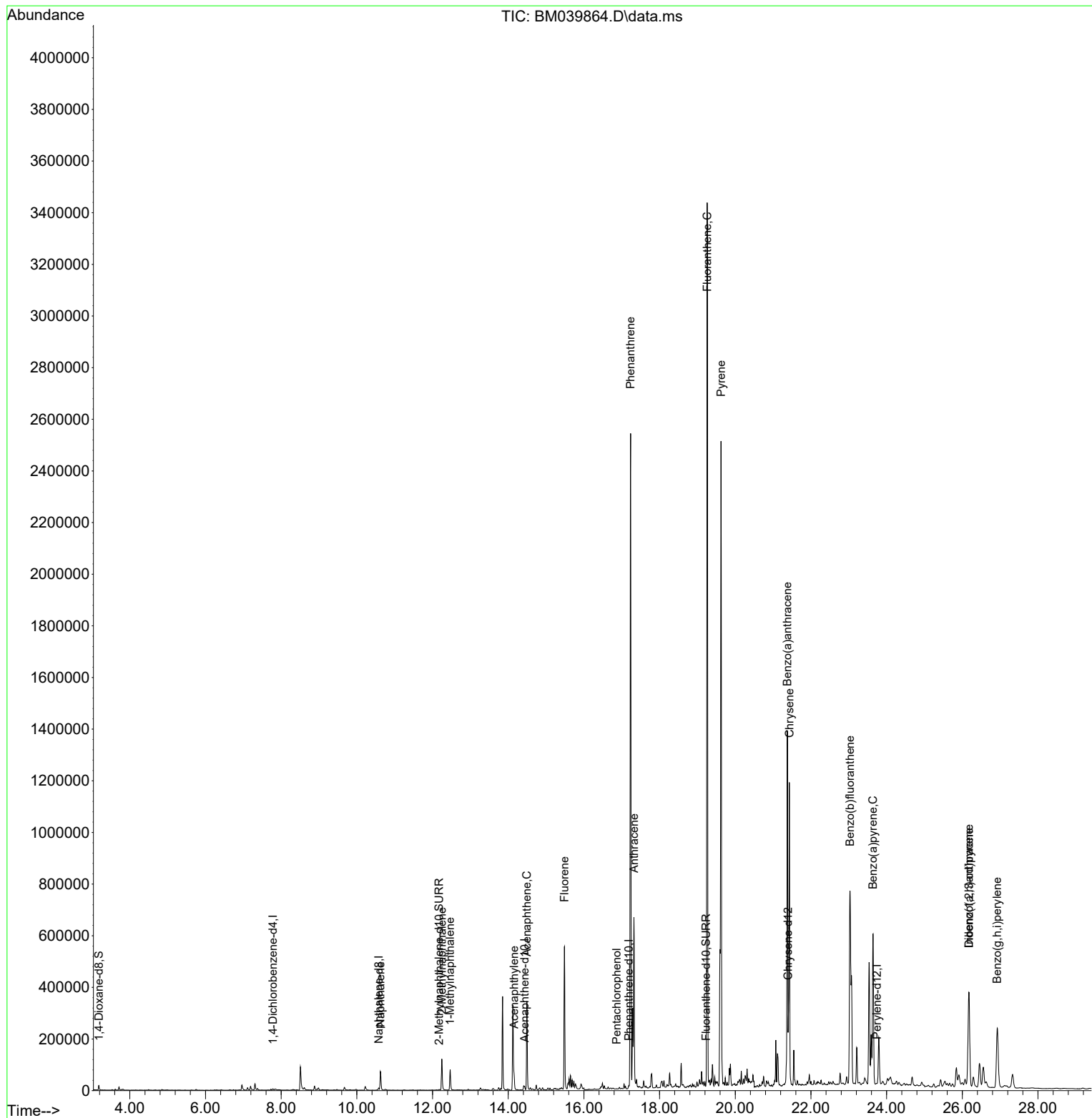
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.779	152	3518	0.400	ng/ul	-0.05
4) Naphthalene-d8	10.578	136	12623	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.432	164	7489	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.187	188	15964	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.393	240	5254	0.400	ng/ul	# 0.00
23) Perylene-d12	23.743	264	8602	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.180	96	11268	2.173	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.173	152	3521	0.217	ng/ul	-0.03
18) Fluoranthene-d10	19.225	212	4266	0.302	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.622	128	107001	3.376	ng/ul	98
7) 2-Methylnaphthalene	12.245	142	93233	5.096	ng/ul	97
8) 1-Methylnaphthalene	12.465	142	56789	2.894	ng/ul	100
10) Acenaphthylene	14.155	152	72919	2.516	ng/ul	99
11) Acenaphthene	14.492	153	196302	8.622	ng/ul	97
12) Fluorene	15.487	166	358291	14.184	ng/ul	97
14) Pentachlorophenol	16.862	266	482	0.139	ng/ul	92
15) Phenanthrene	17.234	178	2689789	63.954	ng/ul	99
16) Anthracene	17.322	178	674100	18.666	ng/ul	97
19) Fluoranthene	19.257	202	2974914	158.711	ng/ul	98
20) Pyrene	19.624	202	2130608	105.258	ng/ul	100
21) Benzo(a)anthracene	21.376	228	1212590	80.272	ng/ul	98
22) Chrysene	21.428	228	1139156	66.636	ng/ul	97
24) Benzo(b)fluoranthene	23.030	252	1385599	45.866	ng/ul	93
26) Benzo(a)pyrene	23.641	252	857672	31.621	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	26.174	276	596036	17.379	ng/ul#	93
28) Dibenzo(a,h)anthracene	26.177	278	189860	7.132	ng/ul	99
29) Benzo(g,h,i)perylene	26.922	276	520657	17.422	ng/ul	98

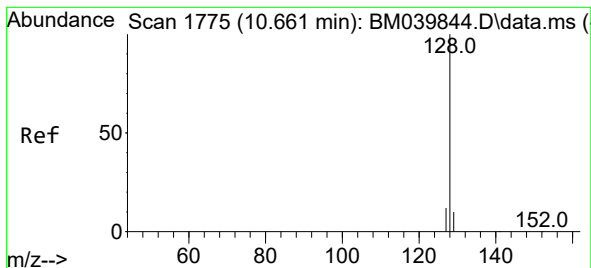
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 3.376 ng/ul

RT: 10.622 min Scan# 1

Delta R.T. -0.022 min

Lab File: BM039864.D

Acq: 08 May 2023 11:35

Instrument :

BNA_M

ClientSampleId :

EW943

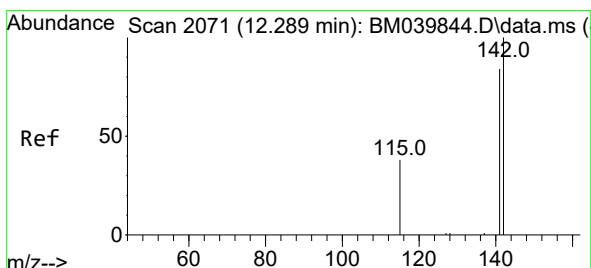
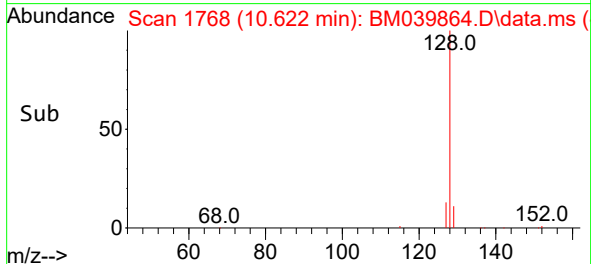
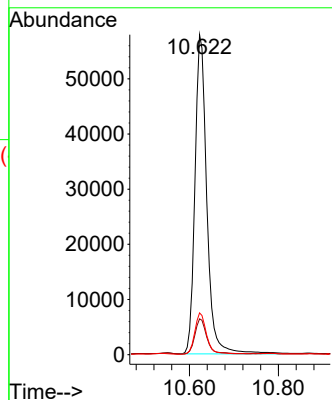
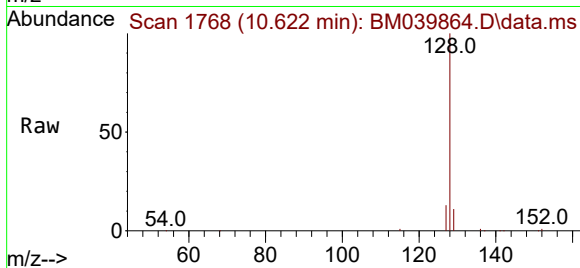
Tgt Ion:128 Resp: 107001

Ion Ratio Lower Upper

128 100

129 11.2 9.8 14.6

127 13.1 11.1 16.7



#7

2-Methylnaphthalene

Concen: 5.096 ng/ul

RT: 12.245 min Scan# 2063

Delta R.T. -0.027 min

Lab File: BM039864.D

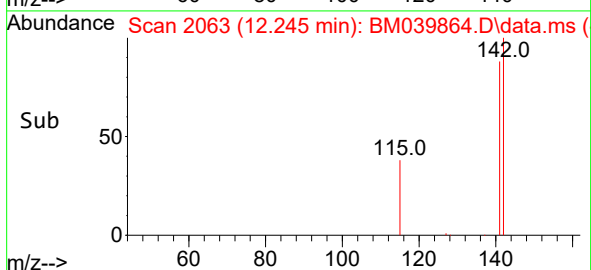
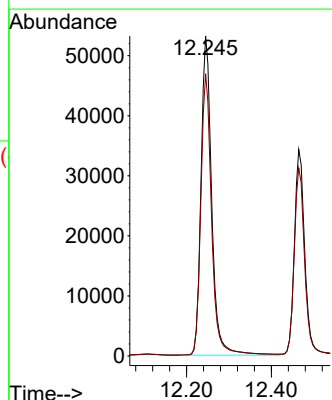
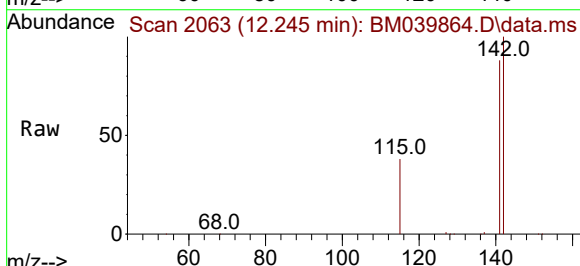
Acq: 08 May 2023 11:35

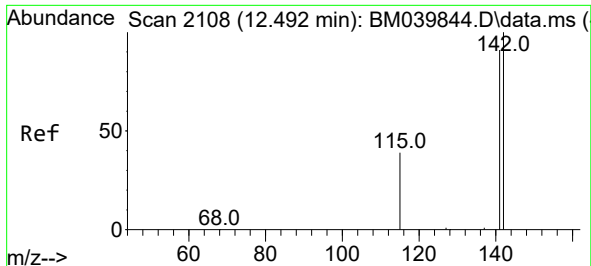
Tgt Ion:142 Resp: 93233

Ion Ratio Lower Upper

142 100

141 88.4 73.2 109.8

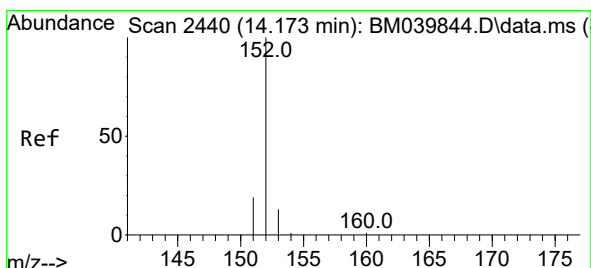
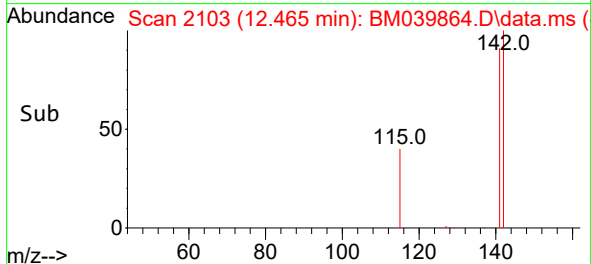
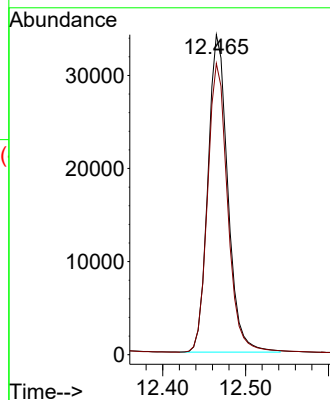
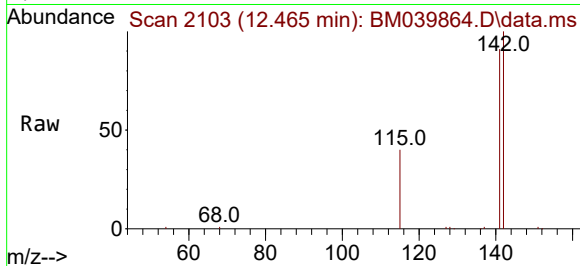




#8
1-Methylnaphthalene
Concen: 2.894 ng/ul
RT: 12.465 min Scan# 2108
Delta R.T. -0.016 min
Lab File: BM039864.D
Acq: 08 May 2023 11:35

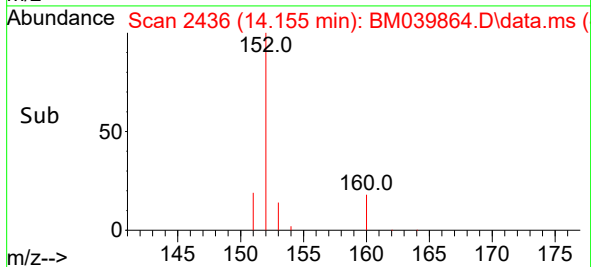
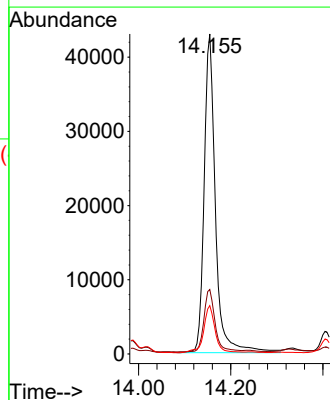
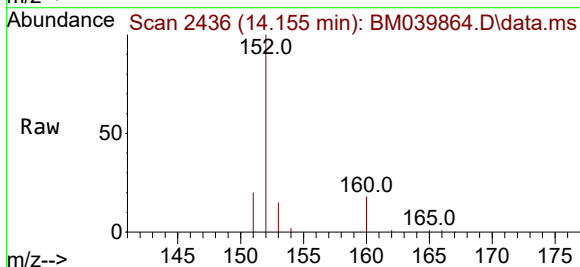
Instrument :
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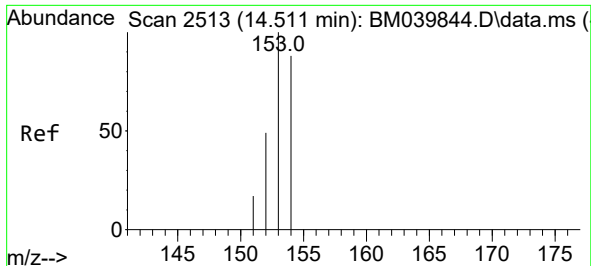
Tgt Ion:142 Resp: 56789
Ion Ratio Lower Upper
142 100
141 91.5 73.4 110.2



#10
Acenaphthylene
Concen: 2.516 ng/ul
RT: 14.155 min Scan# 2436
Delta R.T. -0.009 min
Lab File: BM039864.D
Acq: 08 May 2023 11:35

Tgt Ion:152 Resp: 72919
Ion Ratio Lower Upper
152 100
151 20.2 16.0 24.0
153 15.1 11.2 16.8

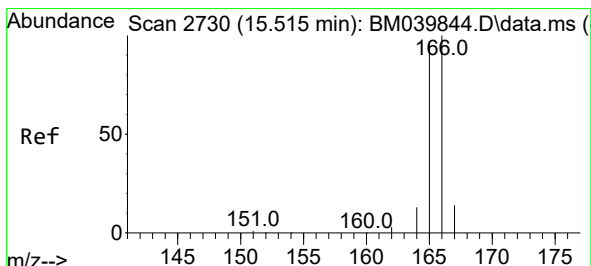
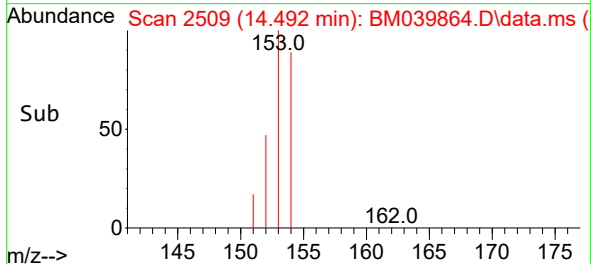
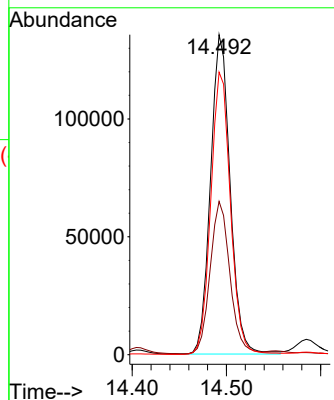
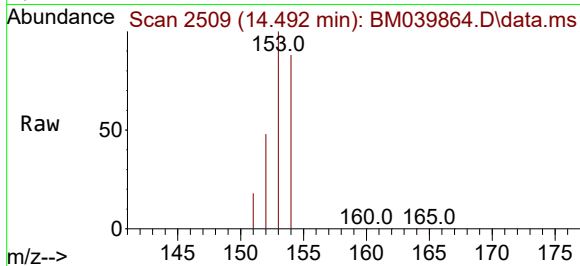




#11
Acenaphthene
Concen: 8.622 ng/ul
RT: 14.492 min Scan# 21
Delta R.T. -0.009 min
Lab File: BM039864.D
Acq: 08 May 2023 11:35

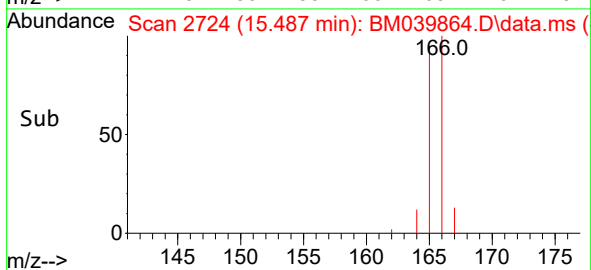
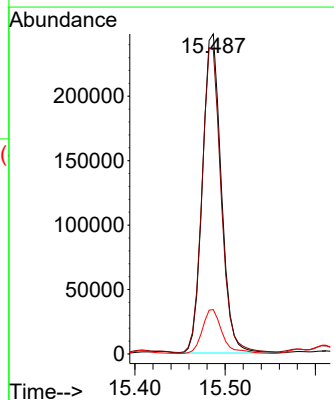
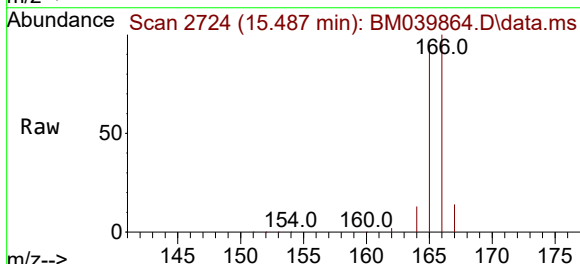
Instrument :
BNA_M
ClientSampleId :
EW943

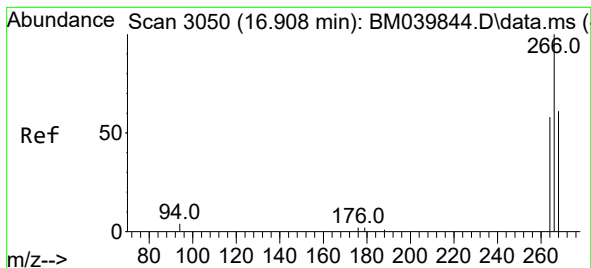
Tgt Ion:153 Resp: 196302
Ion Ratio Lower Upper
153 100
152 47.9 40.6 61.0
154 88.3 71.9 107.9



#12
Fluorene
Concen: 14.184 ng/ul
RT: 15.487 min Scan# 2724
Delta R.T. -0.014 min
Lab File: BM039864.D
Acq: 08 May 2023 11:35

Tgt Ion:166 Resp: 358291
Ion Ratio Lower Upper
166 100
165 95.1 79.0 118.6
167 13.9 11.8 17.6





#14

Pentachlorophenol

Concen: 0.139 ng/ul

RT: 16.862 min Scan# 3050

Delta R.T. -0.029 min

Lab File: BM039864.D

Acq: 08 May 2023 11:35

Instrument :

BNA_M

ClientSampleId :

EW943

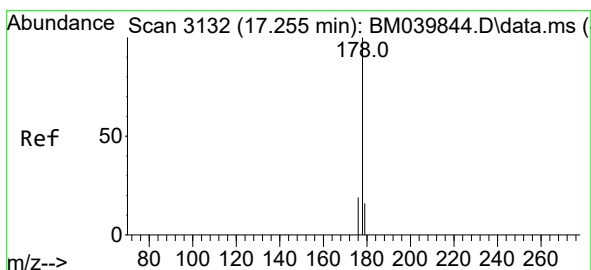
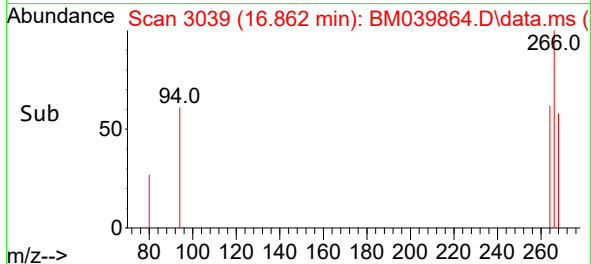
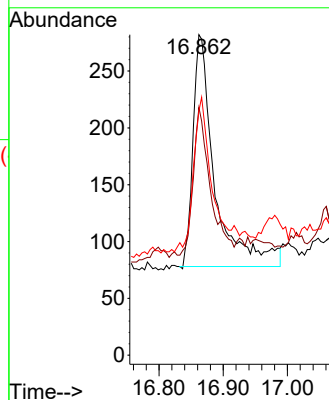
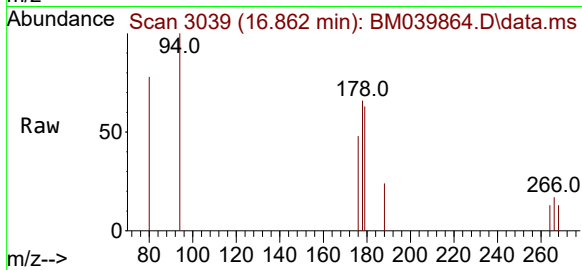
Tgt Ion:266 Resp: 482

Ion Ratio Lower Upper

266 100

264 49.4 48.8 73.2

268 62.4 50.4 75.6



#15

Phenanthrene

Concen: 63.954 ng/ul

RT: 17.234 min Scan# 3127

Delta R.T. -0.004 min

Lab File: BM039864.D

Acq: 08 May 2023 11:35

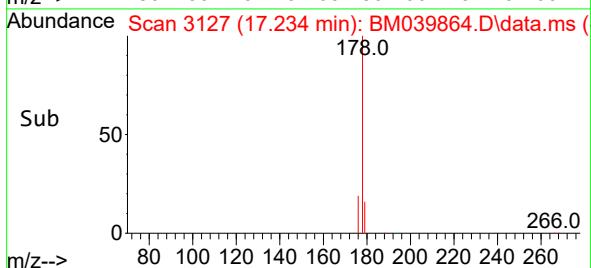
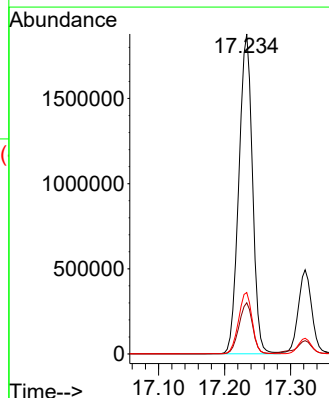
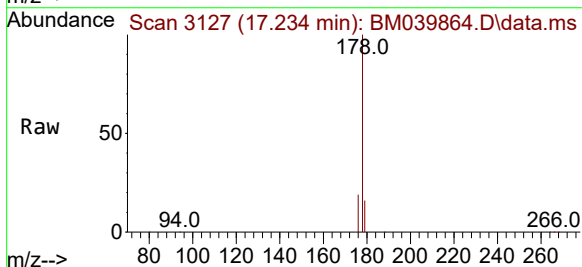
Tgt Ion:178 Resp: 2689789

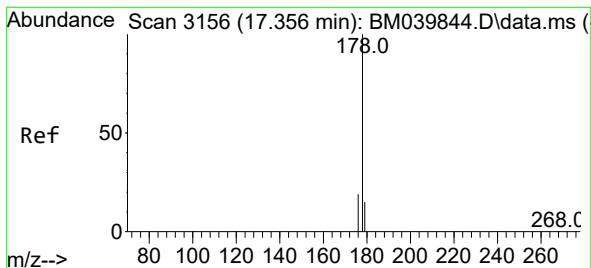
Ion Ratio Lower Upper

178 100

179 16.0 13.0 19.6

176 19.2 15.8 23.8





#16

Anthracene

Concen: 18.666 ng/ul

RT: 17.322 min Scan# 3156

Delta R.T. -0.017 min

Lab File: BM039864.D

Acq: 08 May 2023 11:35

Instrument :

BNA_M

ClientSampleId :

EW943

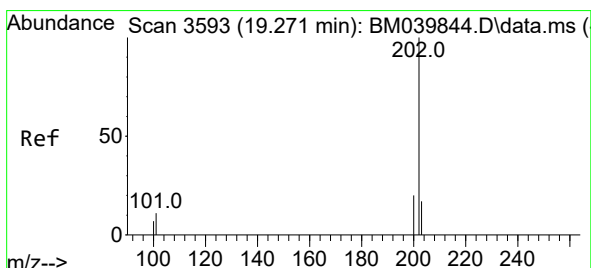
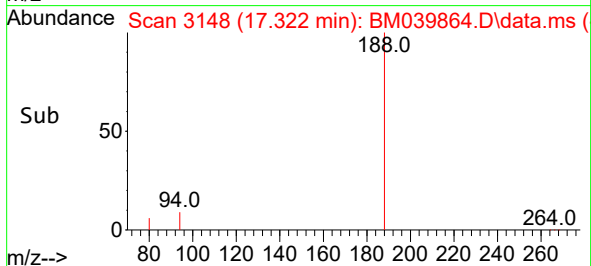
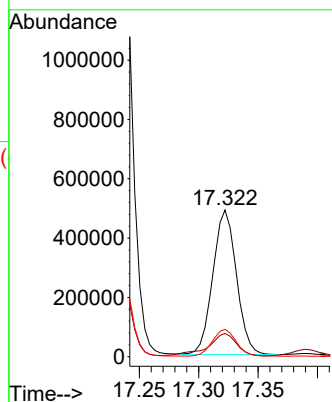
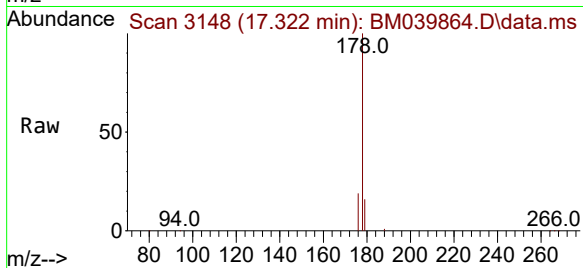
Tgt Ion:178 Resp: 674100

Ion Ratio Lower Upper

178 100

179 15.8 13.8 20.6

176 18.7 15.8 23.8



#19

Fluoranthene

Concen: 158.711 ng/ul

RT: 19.257 min Scan# 3590

Delta R.T. -0.005 min

Lab File: BM039864.D

Acq: 08 May 2023 11:35

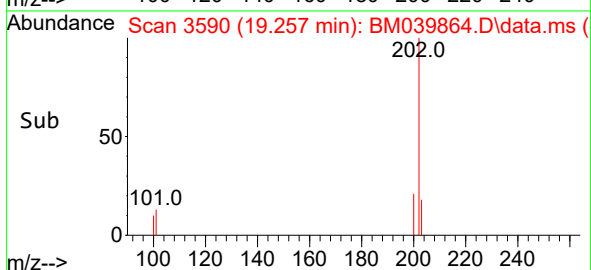
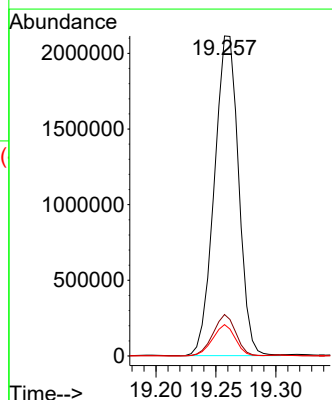
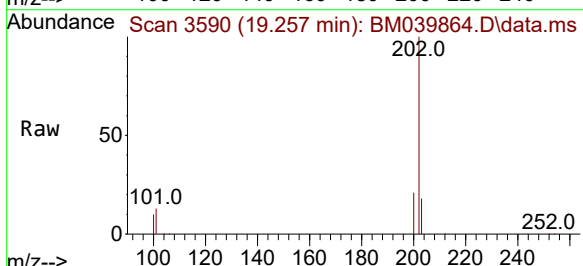
Tgt Ion:202 Resp: 2974914

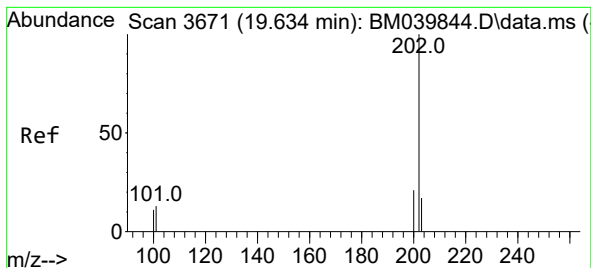
Ion Ratio Lower Upper

202 100

101 12.9 9.8 14.8

100 9.8 7.3 10.9





#20

Pyrene

Concen: 105.258 ng/ul

RT: 19.624 min Scan# 3

Delta R.T. 0.000 min

Lab File: BM039864.D

Acq: 08 May 2023 11:35

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ClientSampleId :

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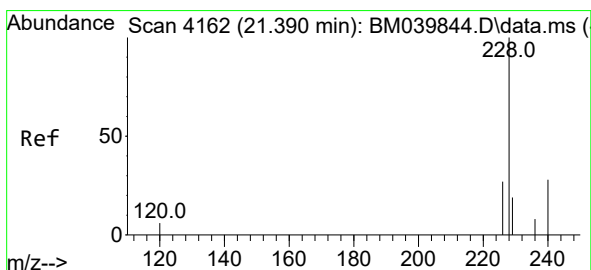
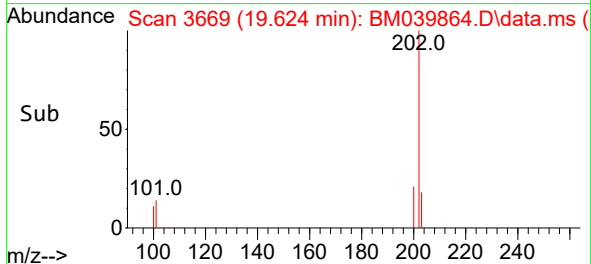
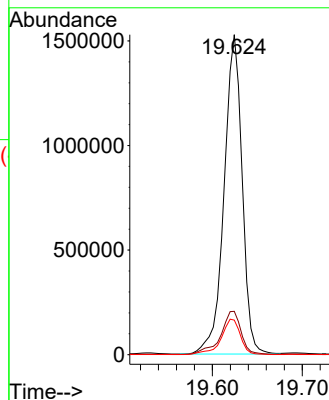
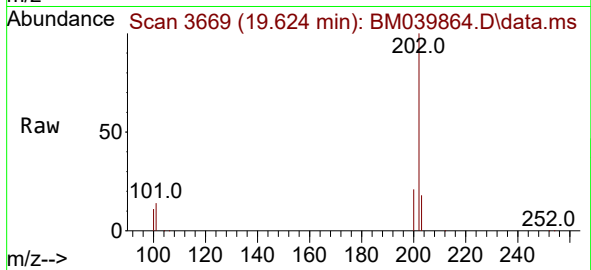
Tgt Ion:202 Resp: 2130608

Ion Ratio Lower Upper

202 100

101 13.6 10.9 16.3

100 10.8 8.9 13.3



#21

Benzo(a)anthracene

Concen: 80.272 ng/ul

RT: 21.376 min Scan# 4157

Delta R.T. -0.002 min

Lab File: BM039864.D

Acq: 08 May 2023 11:35

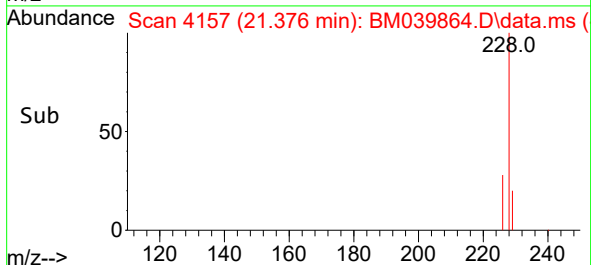
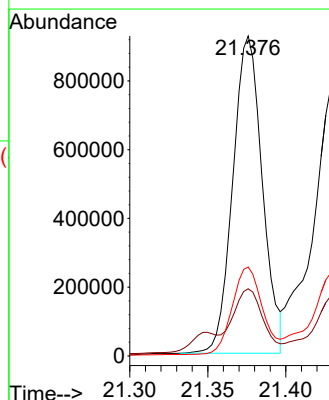
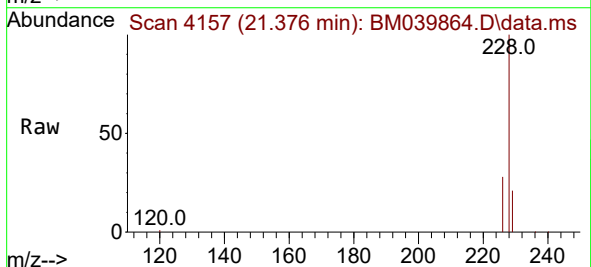
Tgt Ion:228 Resp: 1212590

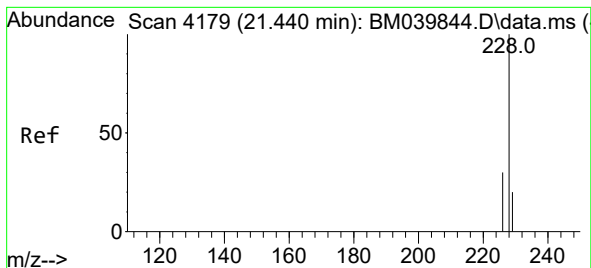
Ion Ratio Lower Upper

228 100

229 21.0 16.2 24.2

226 27.8 21.6 32.4





#22

Chrysene

Concen: 66.636 ng/ul

RT: 21.428 min Scan# 41

Delta R.T. -0.002 min

Lab File: BM039864.D

Acq: 08 May 2023 11:35

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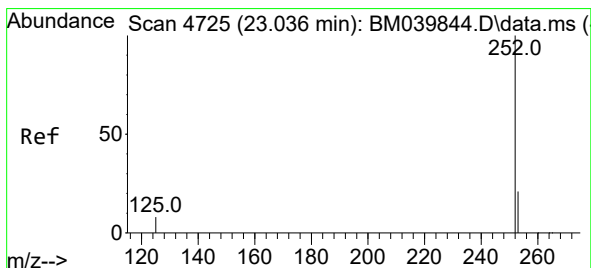
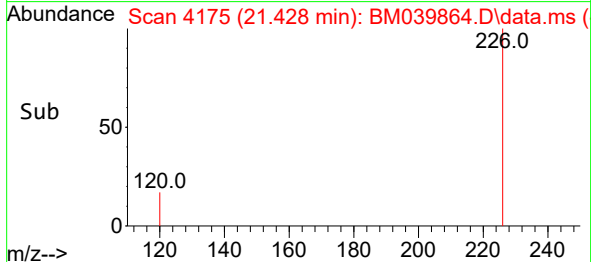
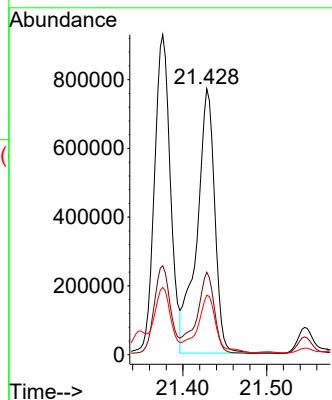
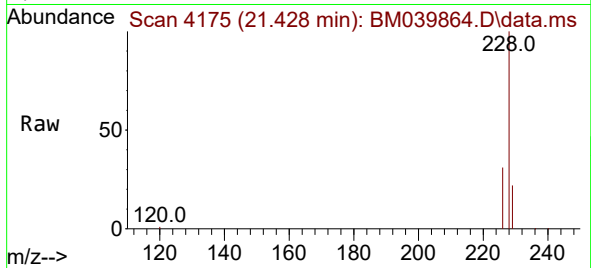
Tgt Ion:228 Resp: 1139156

Ion Ratio Lower Upper

228 100

226 31.0 24.3 36.5

229 22.3 15.9 23.9



#24

Benzo(b)fluoranthene

Concen: 45.866 ng/ul

RT: 23.030 min Scan# 4723

Delta R.T. 0.007 min

Lab File: BM039864.D

Acq: 08 May 2023 11:35

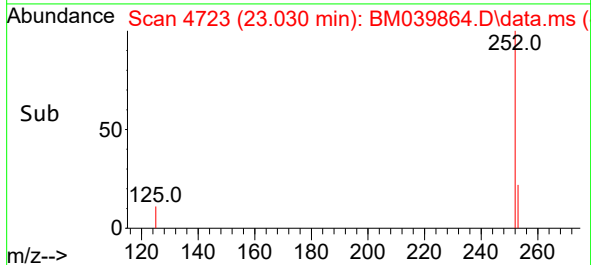
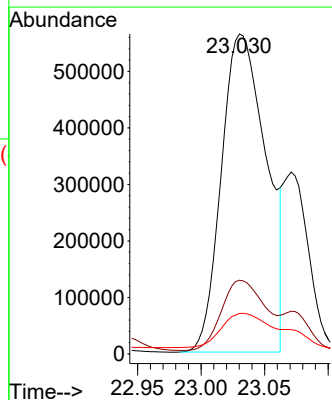
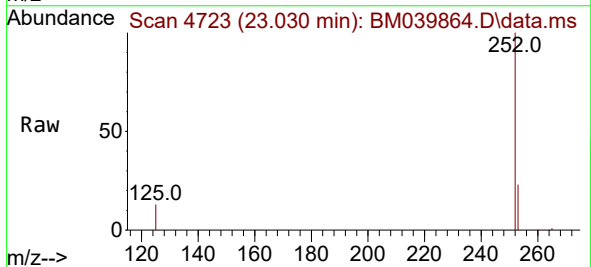
Tgt Ion:252 Resp: 1385599

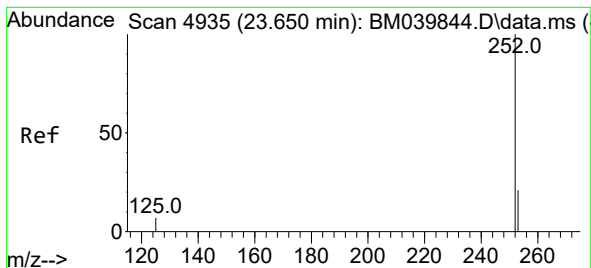
Ion Ratio Lower Upper

252 100

253 23.0 0.0 52.8

125 12.6 0.0 31.6





#26

Benzo(a)pyrene

Concen: 31.621 ng/ul

RT: 23.641 min Scan# 4935

Delta R.T. 0.004 min

Lab File: BM039864.D

Acq: 08 May 2023 11:35

Instrument :

BNA_M

ClientSampleId :

EW943

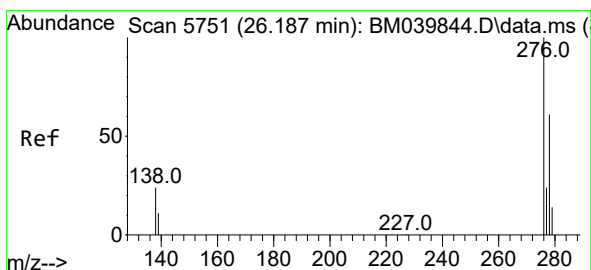
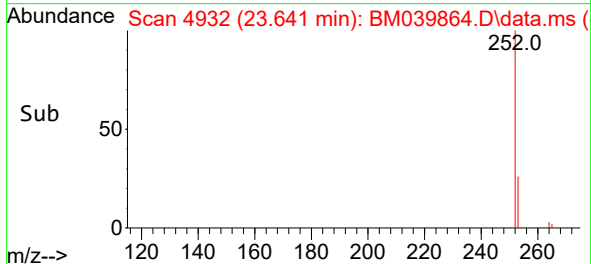
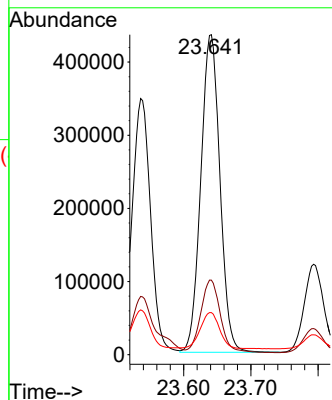
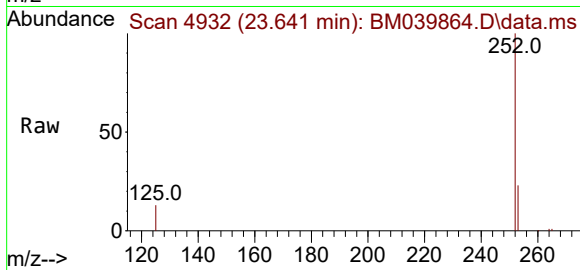
Tgt Ion:252 Resp: 857672

Ion Ratio Lower Upper

252 100

253 23.3 24.7 37.1#

125 13.2 16.5 24.7#



#27

Indeno(1,2,3-cd)pyrene

Concen: 17.379 ng/ul

RT: 26.174 min Scan# 5747

Delta R.T. 0.002 min

Lab File: BM039864.D

Acq: 08 May 2023 11:35

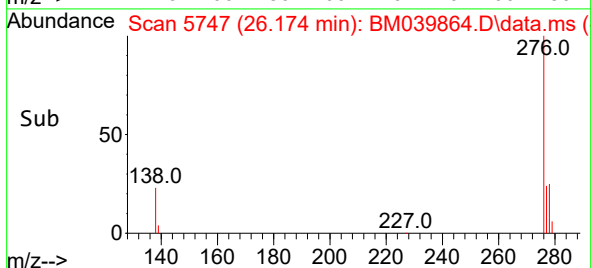
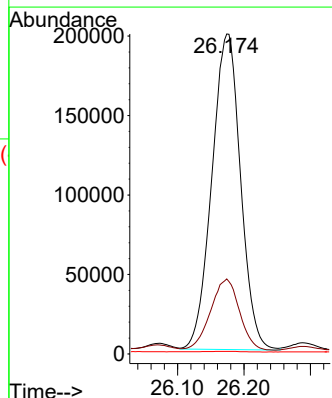
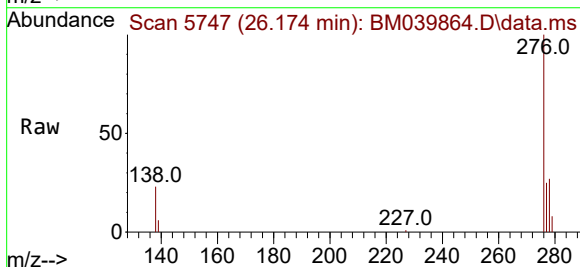
Tgt Ion:276 Resp: 596036

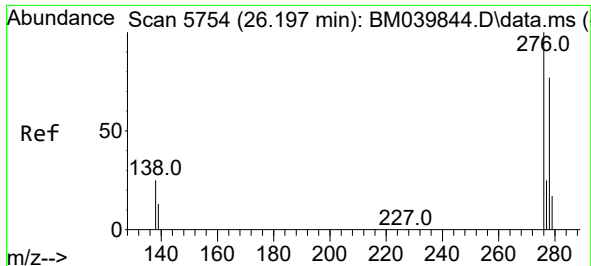
Ion Ratio Lower Upper

276 100

138 22.6 21.1 31.7

227 0.2 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 7.132 ng/ul

RT: 26.177 min Scan# 51

Delta R.T. -0.002 min

Lab File: BM039864.D

Acq: 08 May 2023 11:35

Instrument :

BNA_M

ClientSampleId :

EW943

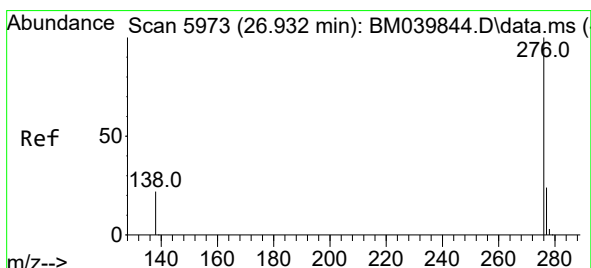
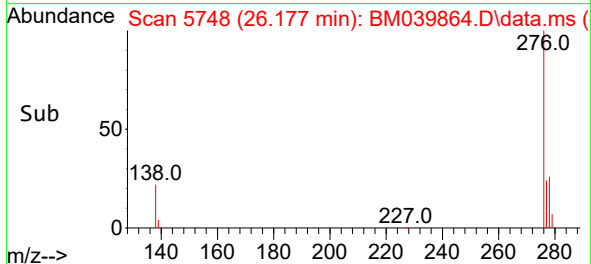
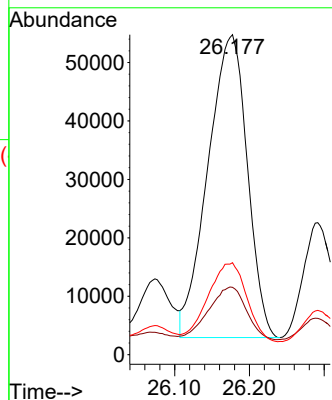
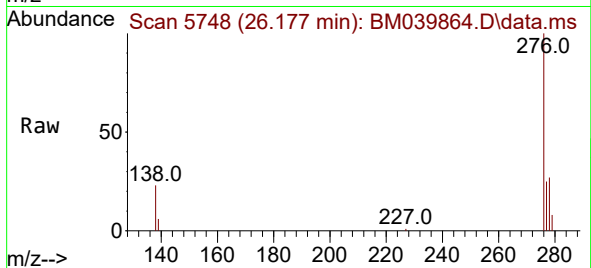
Tgt Ion:278 Resp: 189860

Ion Ratio Lower Upper

278 100

139 21.0 17.0 25.6

279 28.8 23.4 35.2



#29

Benzo(g,h,i)perylene

Concen: 17.422 ng/ul

RT: 26.922 min Scan# 5970

Delta R.T. 0.005 min

Lab File: BM039864.D

Acq: 08 May 2023 11:35

Tgt Ion:276 Resp: 520657

Ion Ratio Lower Upper

276 100

138 23.5 20.1 30.1

277 24.5 20.1 30.1

