

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061523\
 Data File : BM040256.D
 Acq On : 15 Jun 2023 13:06
 Operator : MA/JU
 Sample : 03088-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFQ9

Quant Time: Jun 15 23:42:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 15 00:31:16 2023
 Response via : Initial Calibration

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

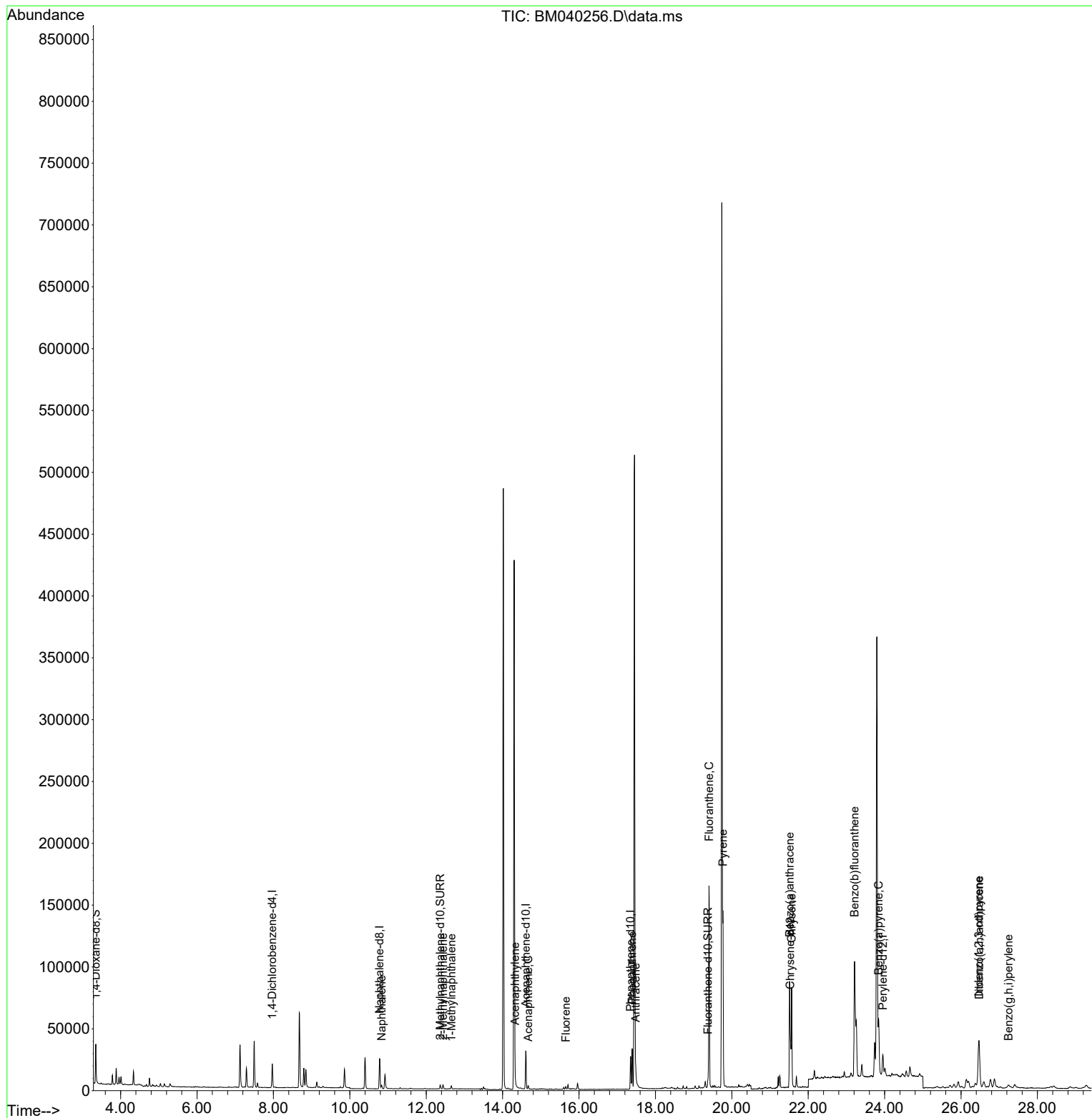
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.970	152	9754	0.400	ng/ul	0.00
4) Naphthalene-d8	10.778	136	33023	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.610	164	16672	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.349	188	30423	0.400	ng/ul	0.00
17) Chrysene-d12	21.529	240	23728	0.400	ng/ul	0.00
23) Perylene-d12	23.953	264	24242	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.350	96	19332	1.605	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.367	152	4145	0.099	ng/ul	0.00
18) Fluoranthene-d10	19.375	212	7074	0.120	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.833	128	3981	0.051	ng/ul#	92
7) 2-Methylnaphthalene	12.439	142	2349	0.048	ng/ul	96
8) 1-Methylnaphthalene	12.659	142	1712	0.034	ng/ul	96
10) Acenaphthylene	14.327	152	4242	0.073	ng/ul#	89
11) Acenaphthene	14.670	153	1596	0.032	ng/ul	95
12) Fluorene	15.655	166	1261	0.023	ng/ul#	89
15) Phenanthrene	17.391	178	33564	0.420	ng/ul	100
16) Anthracene	17.484	178	6310	0.093	ng/ul#	92
19) Fluoranthene	19.403	202	133790	1.655	ng/ul	99
20) Pyrene	19.765	202	110146	1.312	ng/ul	99
21) Benzo(a)anthracene	21.512	228	70228	1.003	ng/ul	98
22) Chrysene	21.565	228	83225	1.125	ng/ul	98
24) Benzo(b)fluoranthene	23.213	252	148337	1.660	ng/ul	97
26) Benzo(a)pyrene	23.844	252	59168	0.807	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	26.464	276	64900	0.699	ng/ul#	96
28) Dibenzo(a,h)anthracene	26.477	278	18503	0.248	ng/ul#	89
29) Benzo(g,h,i)perylene	27.246	276	5982	0.077	ng/ul#	68

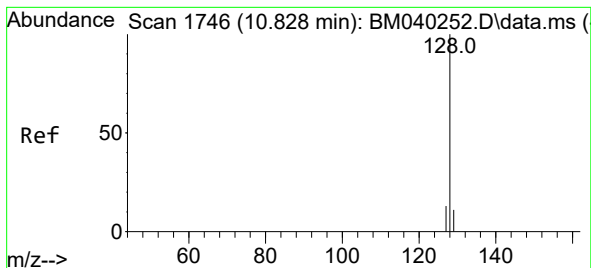
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.051 ng/ul

RT: 10.833 min Scan# 1747

Delta R.T. 0.000 min

Lab File: BM040256.D

Acq: 15 Jun 2023 13:06

Instrument :

BNA_M

ClientSampleId :

DCFQ9

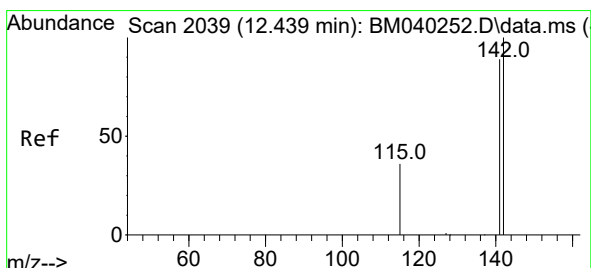
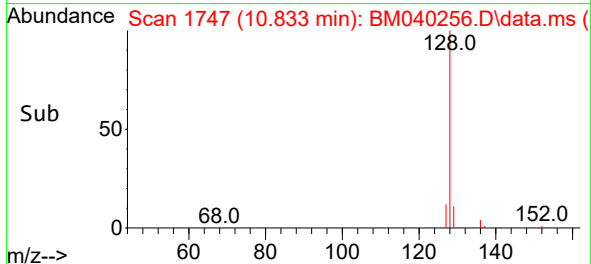
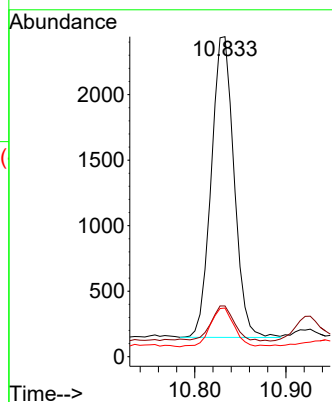
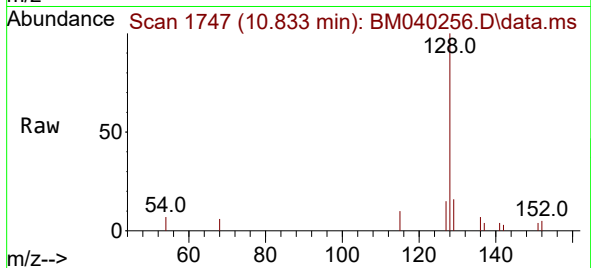
Tgt Ion:128 Resp: 3981

Ion Ratio Lower Upper

128 100

129 15.8 9.1 13.7#

127 15.2 10.4 15.6



#7

2-Methylnaphthalene

Concen: 0.048 ng/ul

RT: 12.439 min Scan# 2039

Delta R.T. -0.005 min

Lab File: BM040256.D

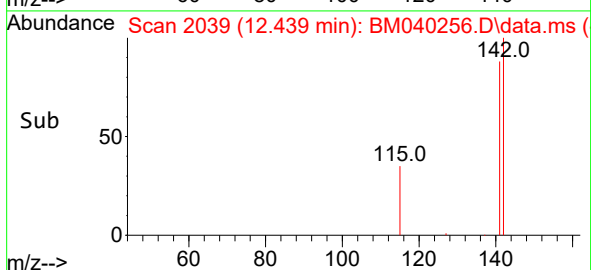
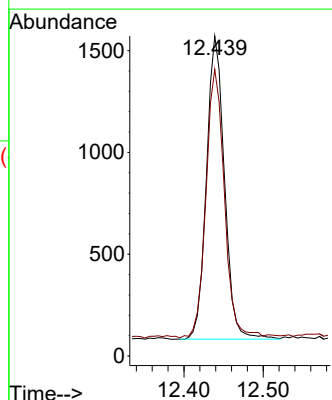
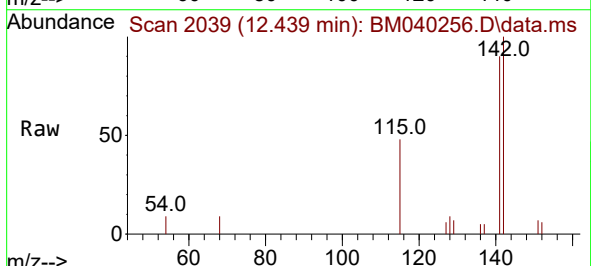
Acq: 15 Jun 2023 13:06

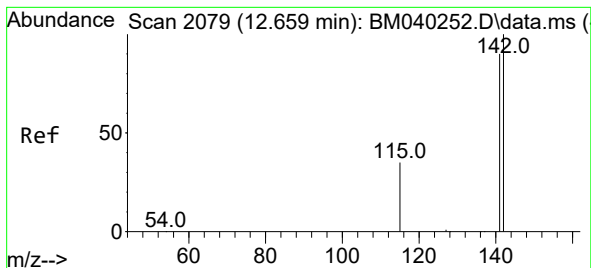
Tgt Ion:142 Resp: 2349

Ion Ratio Lower Upper

142 100

141 91.8 70.6 106.0





#8

1-Methylnaphthalene

Concen: 0.034 ng/ul

RT: 12.659 min Scan# 2079

Delta R.T. -0.005 min

Lab File: BM040256.D

Acq: 15 Jun 2023 13:06

Instrument :

BNA_M

ClientSampleId :

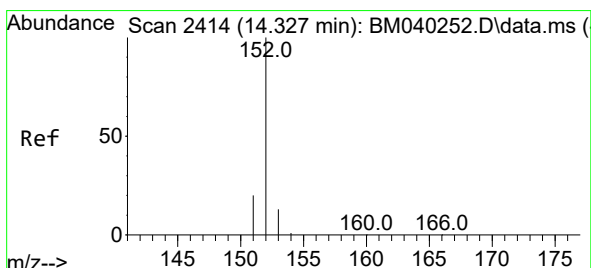
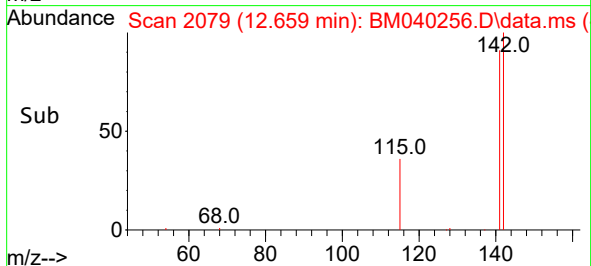
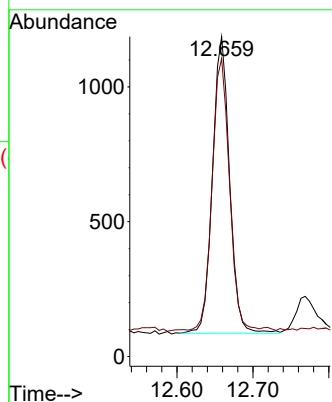
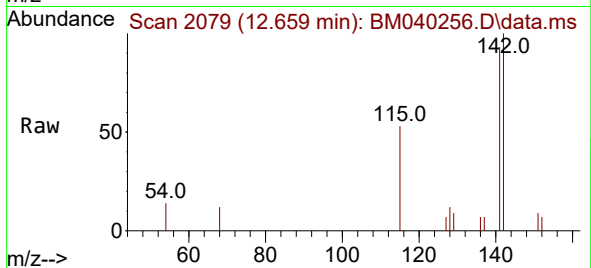
DCFQ9

Tgt Ion:142 Resp: 1712

Ion Ratio Lower Upper

142 100

141 95.2 73.0 109.4



#10

Acenaphthylene

Concen: 0.073 ng/ul

RT: 14.327 min Scan# 2414

Delta R.T. -0.005 min

Lab File: BM040256.D

Acq: 15 Jun 2023 13:06

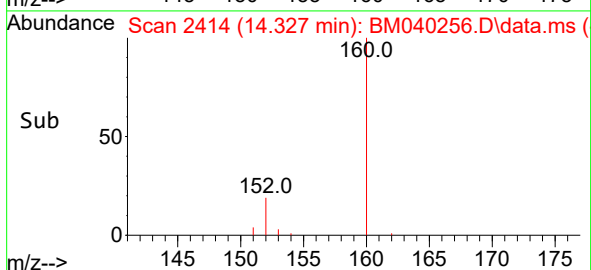
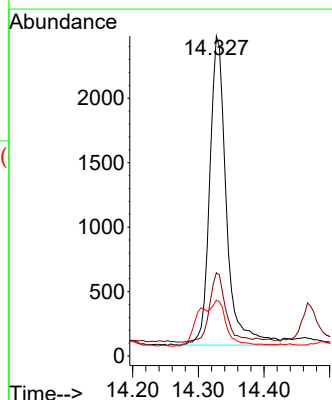
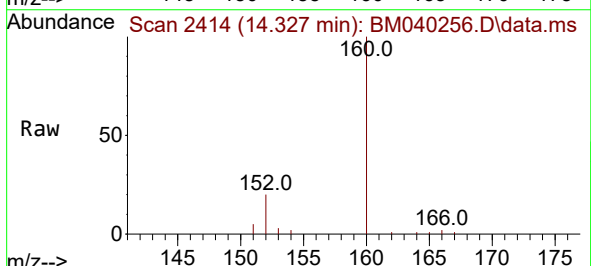
Tgt Ion:152 Resp: 4242

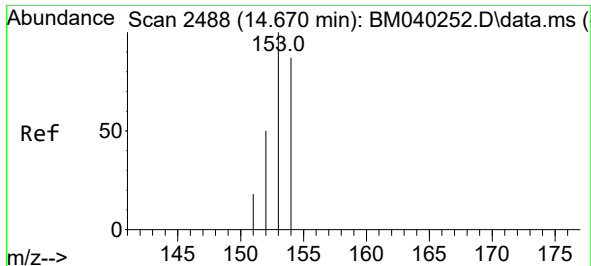
Ion Ratio Lower Upper

152 100

151 26.0 16.3 24.5#

153 17.5 10.7 16.1#

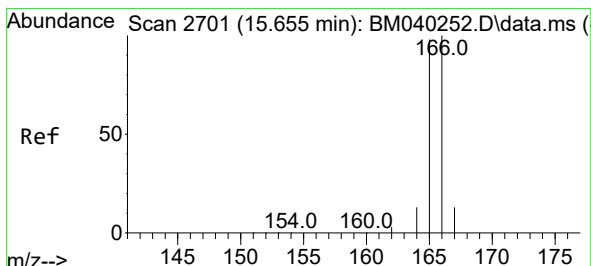
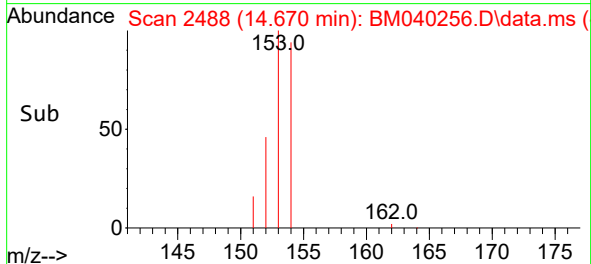
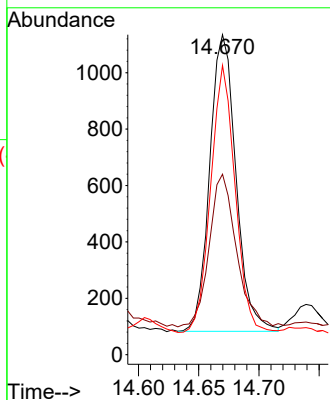
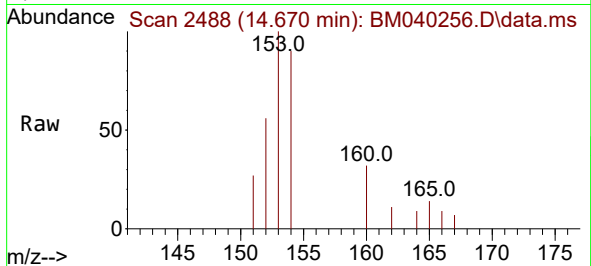




#11
Acenaphthene
Concen: 0.032 ng/ul
RT: 14.670 min Scan# 2488
Delta R.T. -0.005 min
Lab File: BM040256.D
Acq: 15 Jun 2023 13:06

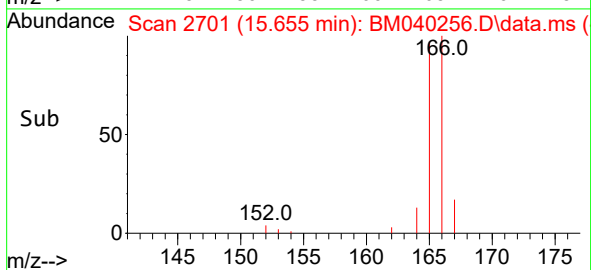
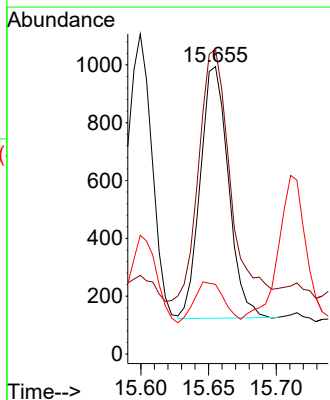
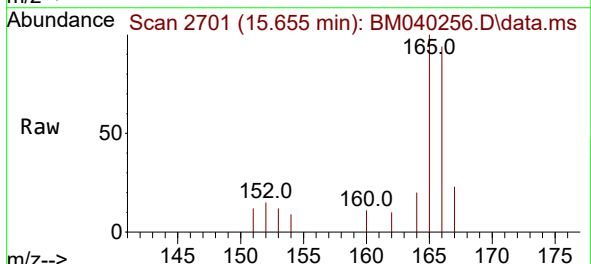
Instrument :
BNA_M
ClientSampleId :
DCFQ9

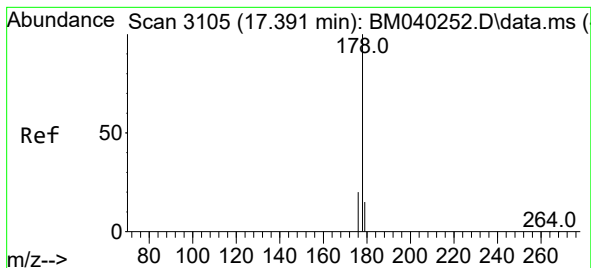
Tgt Ion:153 Resp: 1596
Ion Ratio Lower Upper
153 100
152 56.4 40.3 60.5
154 90.4 70.5 105.7



#12
Fluorene
Concen: 0.023 ng/ul
RT: 15.655 min Scan# 2701
Delta R.T. -0.005 min
Lab File: BM040256.D
Acq: 15 Jun 2023 13:06

Tgt Ion:166 Resp: 1261
Ion Ratio Lower Upper
166 100
165 106.1 78.2 117.4
167 24.2 11.0 16.4#





#15

Phenanthrene

Concen: 0.420 ng/ul

RT: 17.391 min Scan# 3105

Delta R.T. -0.004 min

Lab File: BM040256.D

Acq: 15 Jun 2023 13:06

Instrument :

BNA_M

ClientSampleId :

DCFQ9

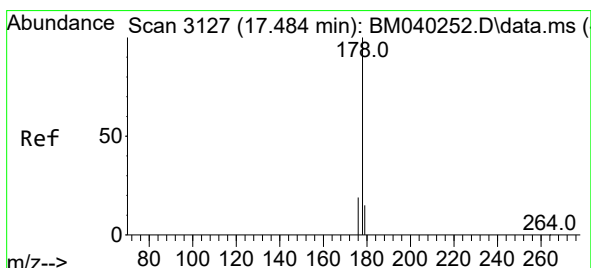
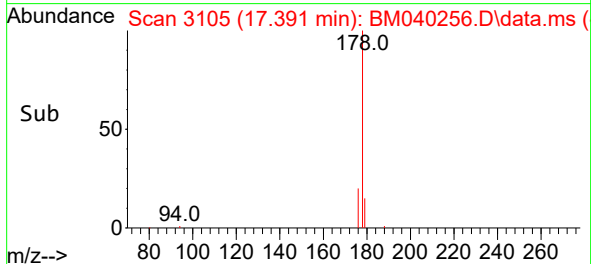
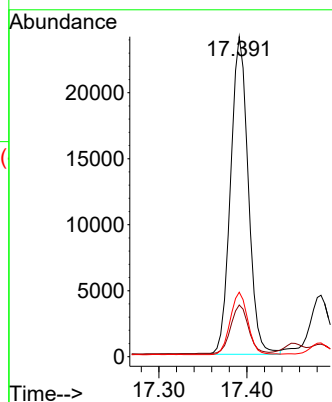
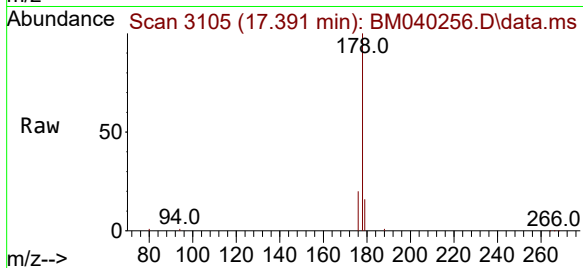
Tgt Ion:178 Resp: 33564

Ion Ratio Lower Upper

178 100

179 16.1 12.6 19.0

176 20.1 16.1 24.1



#16

Anthracene

Concen: 0.093 ng/ul

RT: 17.484 min Scan# 3127

Delta R.T. -0.004 min

Lab File: BM040256.D

Acq: 15 Jun 2023 13:06

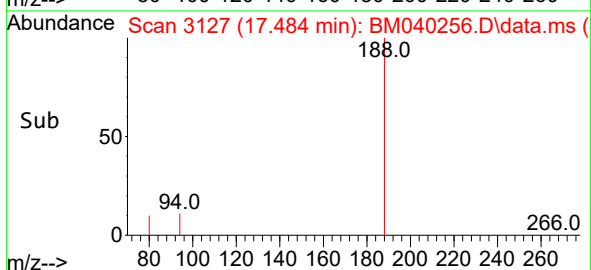
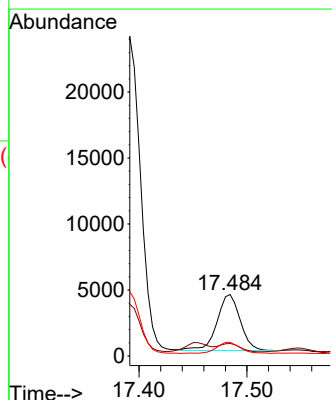
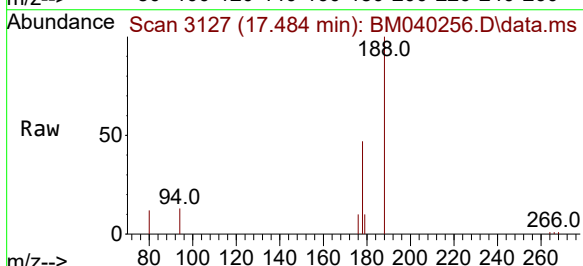
Tgt Ion:178 Resp: 6310

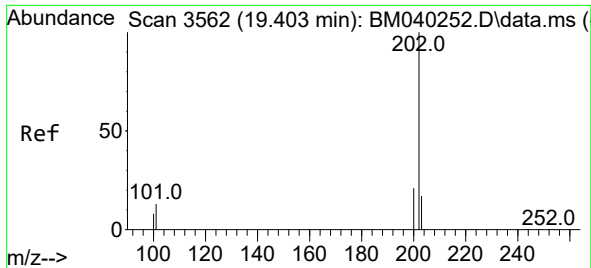
Ion Ratio Lower Upper

178 100

179 20.4 13.0 19.4#

176 22.4 15.5 23.3

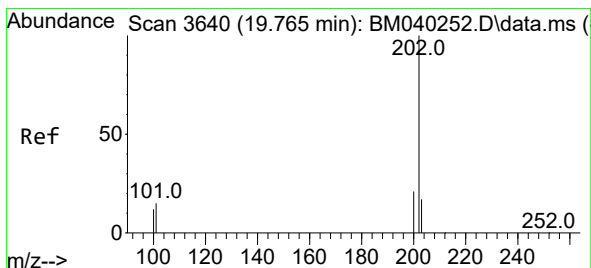
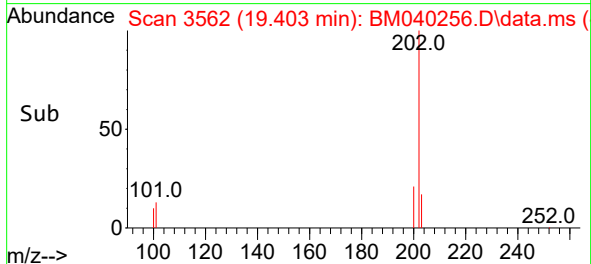
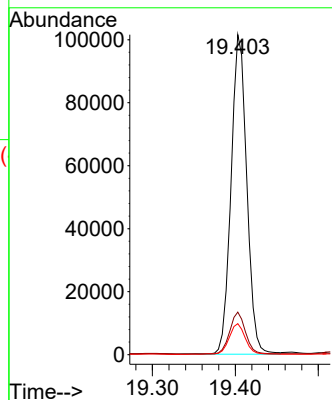
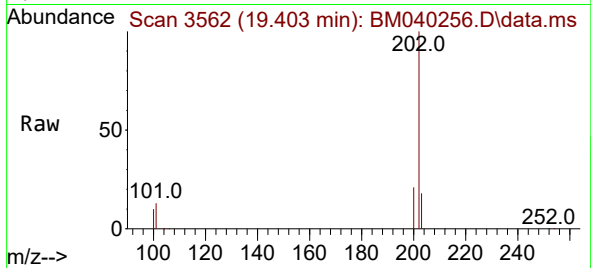




#19
Fluoranthene
Concen: 1.655 ng/ul
RT: 19.403 min Scan# 3562
Delta R.T. -0.005 min
Lab File: BM040256.D
Acq: 15 Jun 2023 13:06

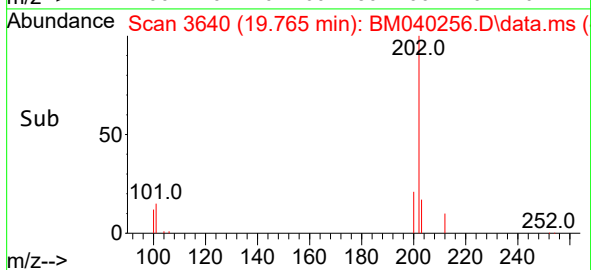
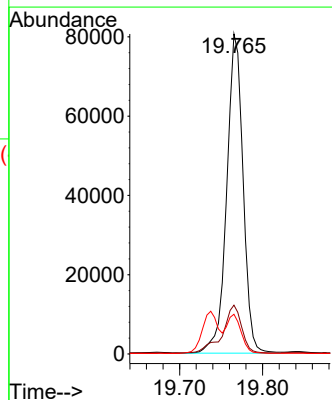
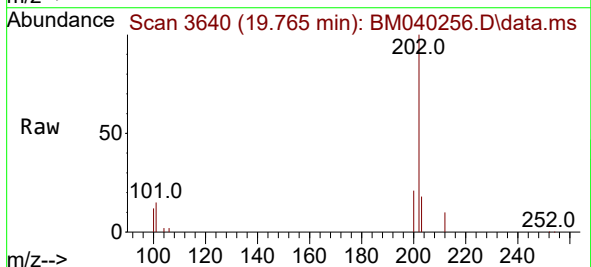
Instrument :
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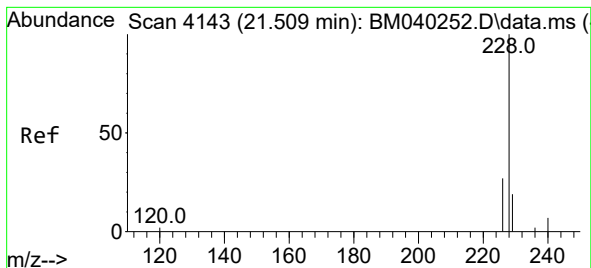
Tgt Ion:202 Resp: 133790
Ion Ratio Lower Upper
202 100
101 13.3 10.2 15.4
100 9.7 7.6 11.4



#20
Pyrene
Concen: 1.312 ng/ul
RT: 19.765 min Scan# 3640
Delta R.T. -0.005 min
Lab File: BM040256.D
Acq: 15 Jun 2023 13:06

Tgt Ion:202 Resp: 110146
Ion Ratio Lower Upper
202 100
101 15.2 11.8 17.8
100 12.4 9.3 13.9





#21

Benzo(a)anthracene

Concen: 1.003 ng/ul

RT: 21.512 min Scan# 4143

Delta R.T. -0.003 min

Lab File: BM040256.D

Acq: 15 Jun 2023 13:06

Instrument :

BNA_M

ClientSampleId :

DCFQ9

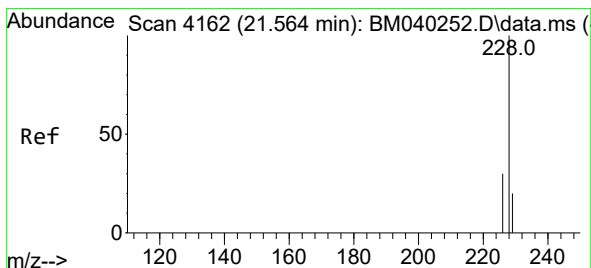
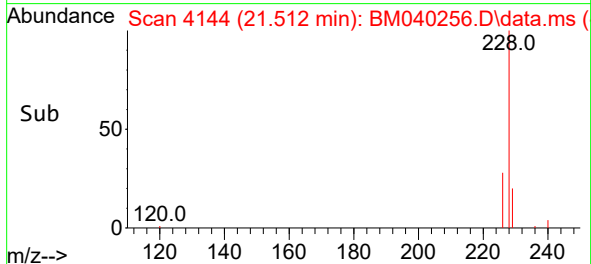
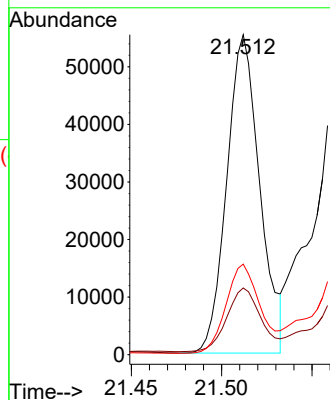
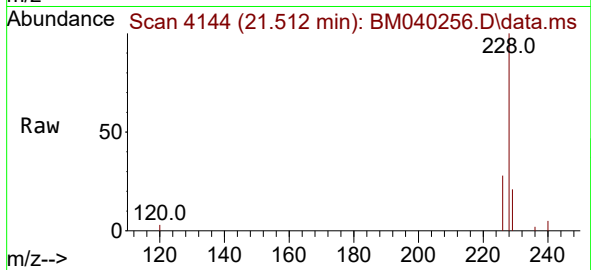
Tgt Ion:228 Resp: 70228

Ion Ratio Lower Upper

228 100

229 20.8 15.8 23.8

226 28.3 22.0 33.0



#22

Chrysene

Concen: 1.125 ng/ul

RT: 21.565 min Scan# 4162

Delta R.T. -0.006 min

Lab File: BM040256.D

Acq: 15 Jun 2023 13:06

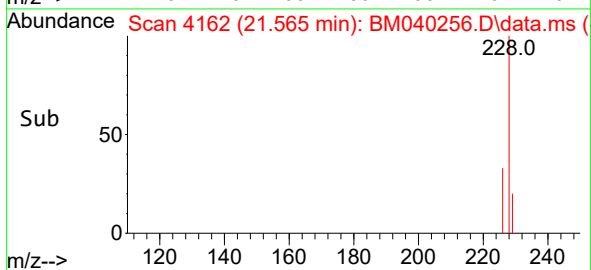
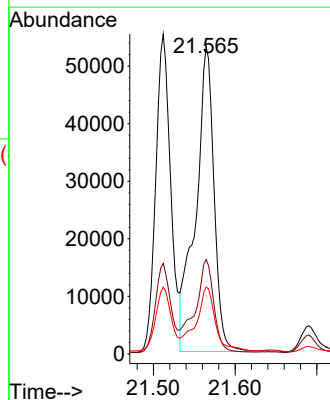
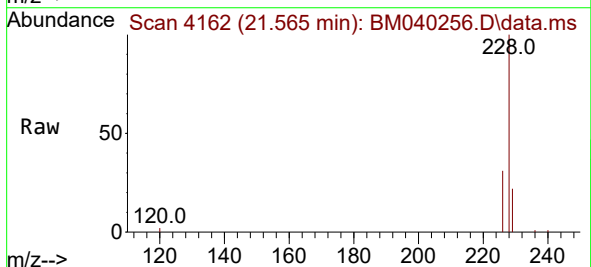
Tgt Ion:228 Resp: 83225

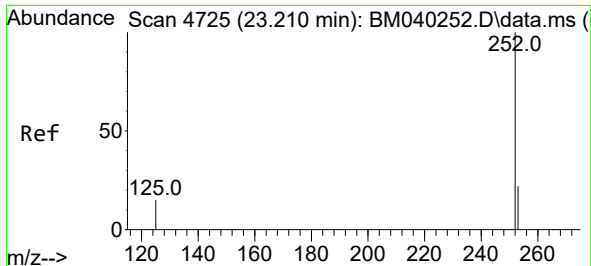
Ion Ratio Lower Upper

228 100

226 30.7 24.3 36.5

229 21.8 15.7 23.5

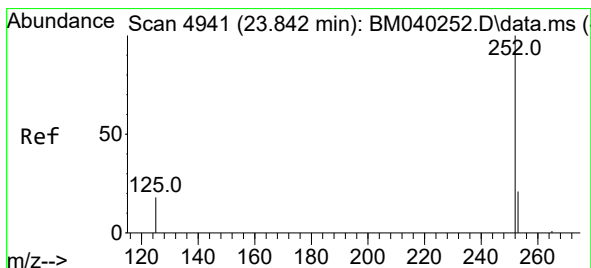
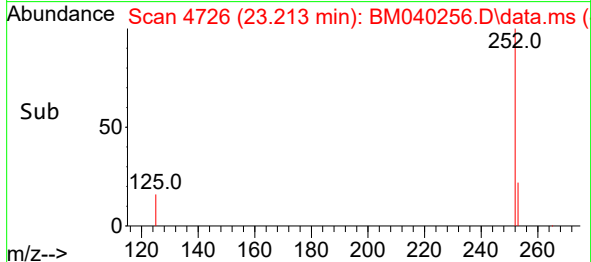
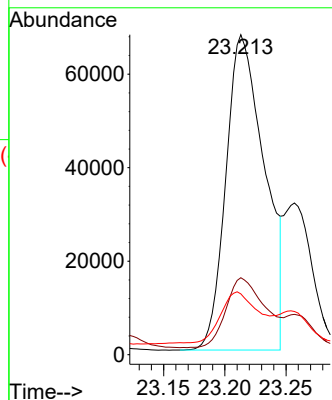
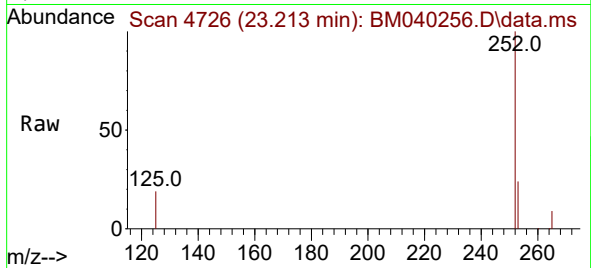




#24
Benzo(b)fluoranthene
Concen: 1.660 ng/ul
RT: 23.213 min Scan# 41
Delta R.T. -0.003 min
Lab File: BM040256.D
Acq: 15 Jun 2023 13:06

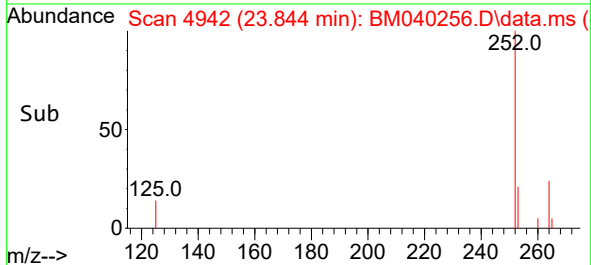
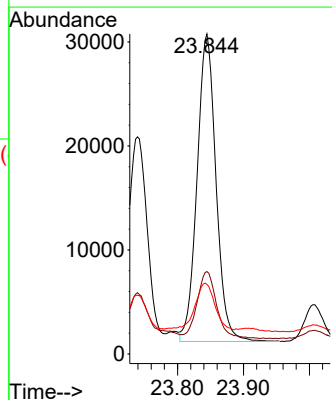
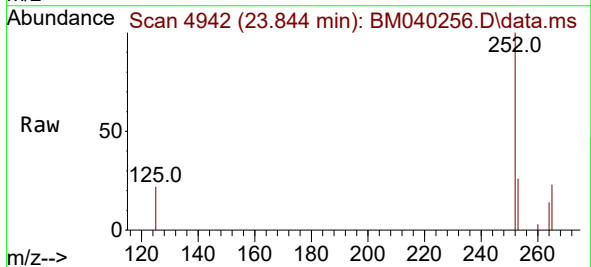
Instrument :
BNA_M
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DCFQ9

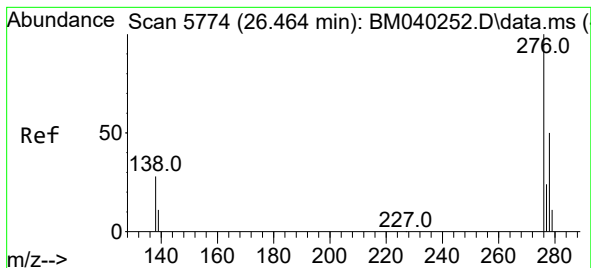
Tgt Ion:252 Resp: 148337
Ion Ratio Lower Upper
252 100
253 24.1 0.0 52.4
125 19.0 0.0 38.4



#26
Benzo(a)pyrene
Concen: 0.807 ng/ul
RT: 23.844 min Scan# 4942
Delta R.T. -0.006 min
Lab File: BM040256.D
Acq: 15 Jun 2023 13:06

Tgt Ion:252 Resp: 59168
Ion Ratio Lower Upper
252 100
253 25.7 23.4 35.0
125 21.7 19.7 29.5





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.699 ng/ul

RT: 26.464 min Scan# 5

Delta R.T. -0.013 min

Lab File: BM040256.D

Acq: 15 Jun 2023 13:06

Instrument :

BNA_M

ClientSampleId :

DCFQ9

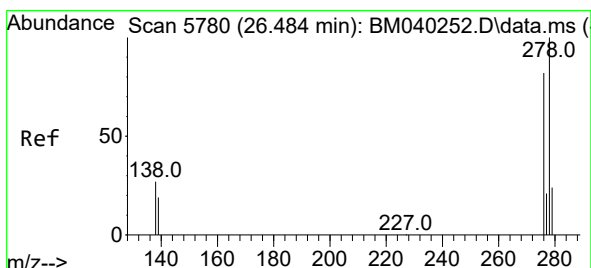
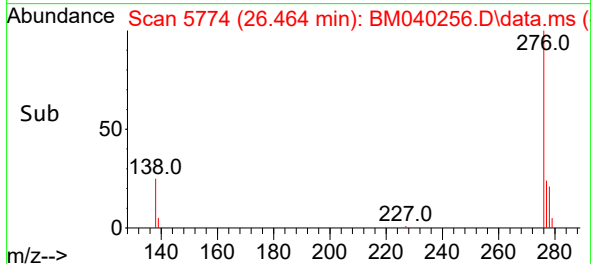
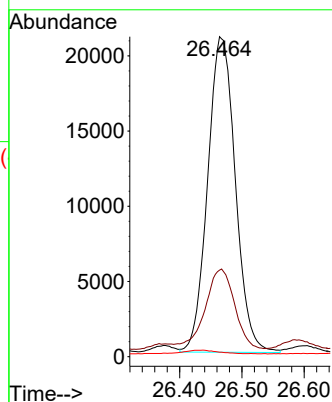
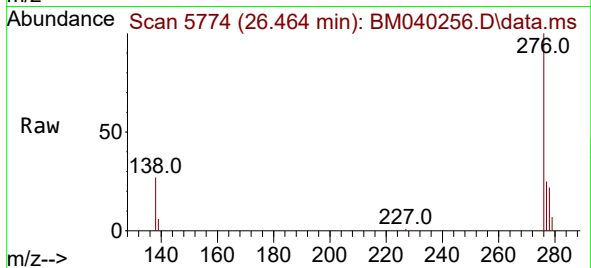
Tgt Ion:276 Resp: 64900

Ion Ratio Lower Upper

276 100

138 26.8 23.3 34.9

227 0.0 0.1 0.1#



#28

Dibenzo(a,h)anthracene

Concen: 0.248 ng/ul

RT: 26.477 min Scan# 5778

Delta R.T. -0.020 min

Lab File: BM040256.D

Acq: 15 Jun 2023 13:06

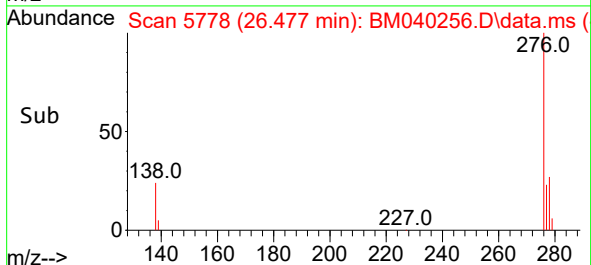
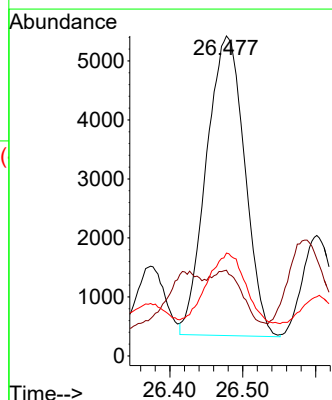
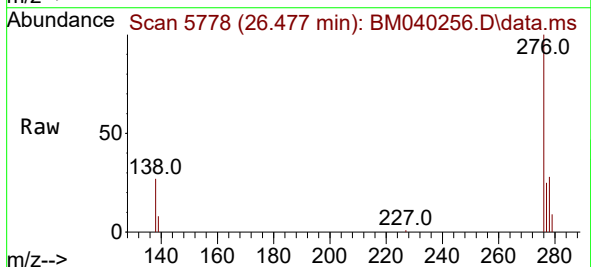
Tgt Ion:278 Resp: 18503

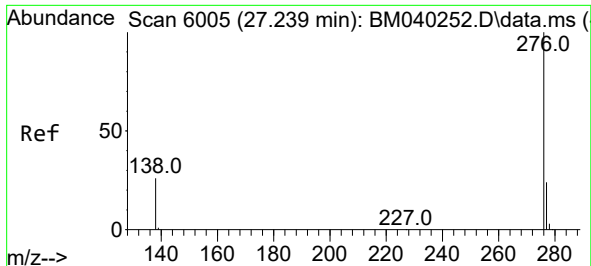
Ion Ratio Lower Upper

278 100

139 26.8 16.4 24.6#

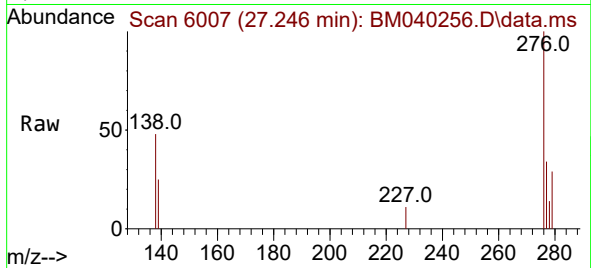
279 32.2 21.8 32.8





#29
Benzo(g,h,i)perylene
Concen: 0.077 ng/ul
RT: 27.246 min Scan# 6007
Delta R.T. -0.010 min
Lab File: BM040256.D
Acq: 15 Jun 2023 13:06

Instrument :
BNA_M
ClientSampleId :
DCFQ9



Tgt Ion:276 Resp: 5982
Ion Ratio Lower Upper
276 100
138 48.3 21.0 31.4#
277 34.2 19.6 29.4#

