

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062923\
 Data File : BM040453.D
 Acq On : 30 Jun 2023 00:49
 Operator : MA/JU
 Sample : 03161-21
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFX7

Quant Time: Jun 30 03:08:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 23 00:44:24 2023
 Response via : Initial Calibration

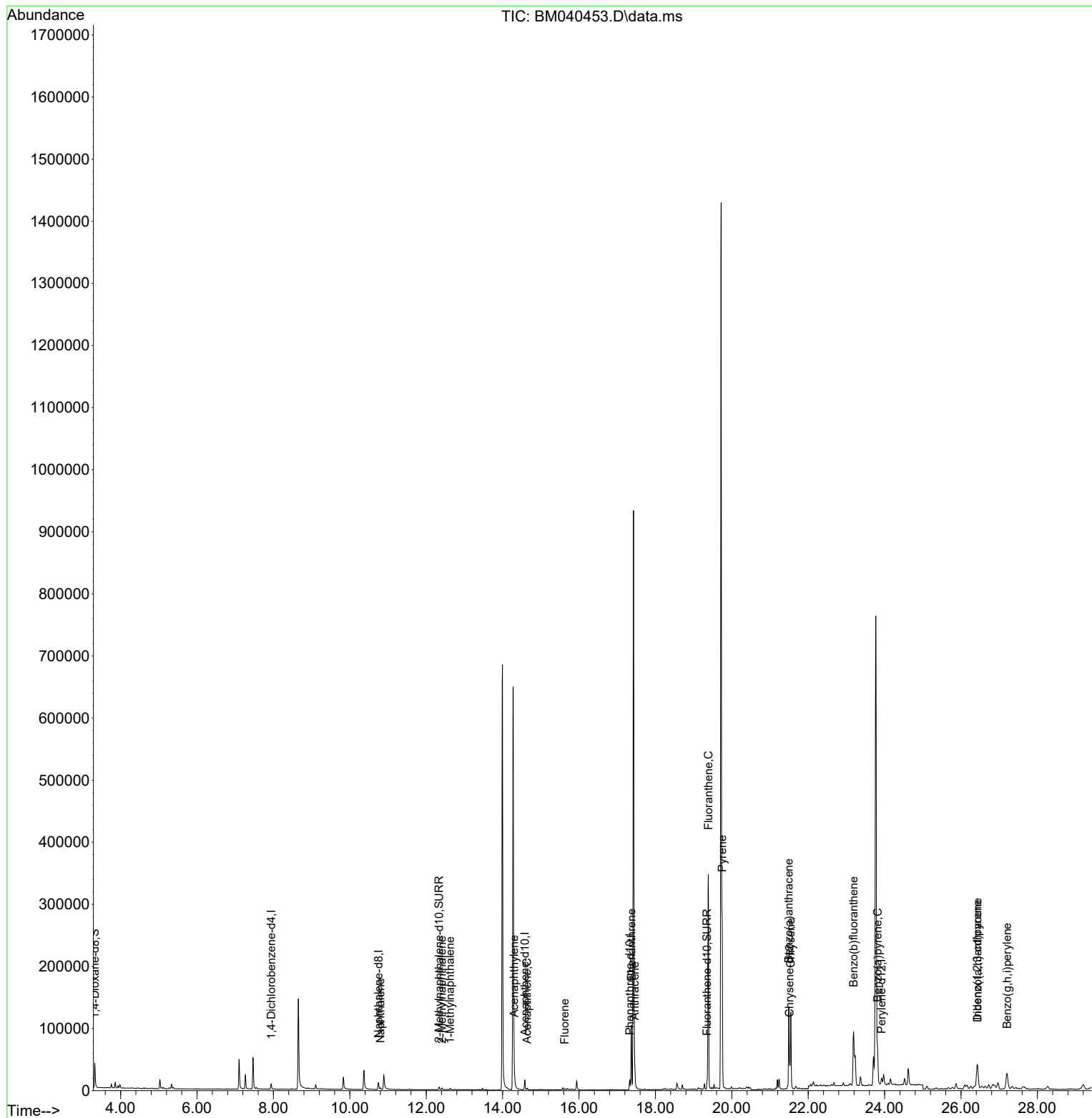
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	4513	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.751	136	17082	0.400	ng/ul	#-0.01
9) Acenaphthene-d10	14.582	164	8810	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.328	188	19468	0.400	ng/ul	0.00
17) Chrysene-d12	21.509	240	15584	0.400	ng/ul	0.00
23) Perylene-d12	23.920	264	15434	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.325	96	25406	3.584	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.334	152	6364	0.266	ng/ul	-0.02
18) Fluoranthene-d10	19.352	212	14895	0.298	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.800	128	3568	0.076	ng/ul#	85
7) 2-Methylnaphthalene	12.411	142	2135	0.077	ng/ul	97
8) 1-Methylnaphthalene	12.626	142	1534	0.055	ng/ul	95
10) Acenaphthylene	14.304	152	14909	0.379	ng/ul	99
11) Acenaphthene	14.642	153	1669	0.050	ng/ul	96
12) Fluorene	15.627	166	1462	0.041	ng/ul#	88
15) Phenanthrene	17.370	178	112843	1.866	ng/ul	98
16) Anthracene	17.459	178	23582	0.464	ng/ul	99
19) Fluoranthene	19.384	202	297734	4.498	ng/ul	95
20) Pyrene	19.747	202	213493	3.008	ng/ul	98
21) Benzo(a)anthracene	21.491	228	112393	2.132	ng/ul	99
22) Chrysene	21.544	228	123186	2.049	ng/ul	98
24) Benzo(b)fluoranthene	23.187	252	153901	2.577	ng/ul	91
26) Benzo(a)pyrene	23.815	252	79105	1.470	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	26.424	276	69746	0.931	ng/ul#	97
28) Dibenzo(a,h)anthracene	26.434	278	18825	0.321	ng/ul#	90
29) Benzo(g,h,i)perylene	27.202	276	61270	0.933	ng/ul	97

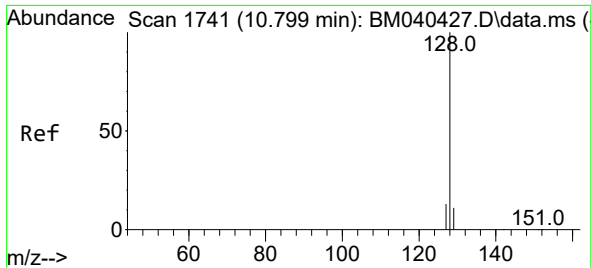
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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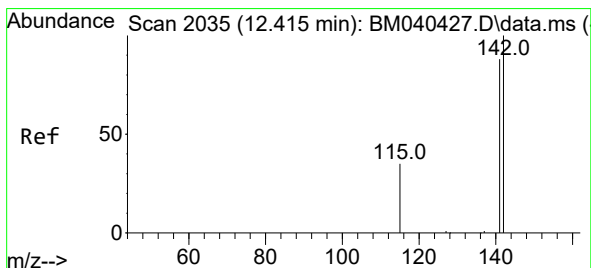
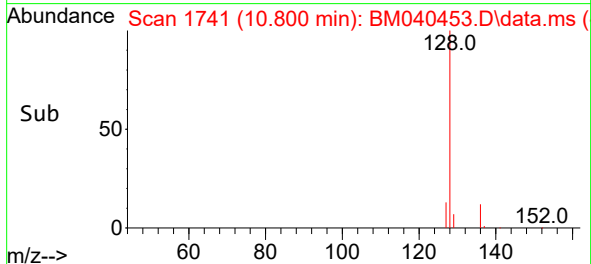
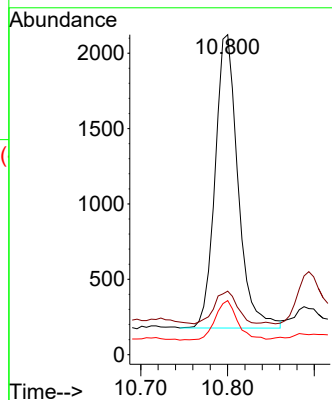
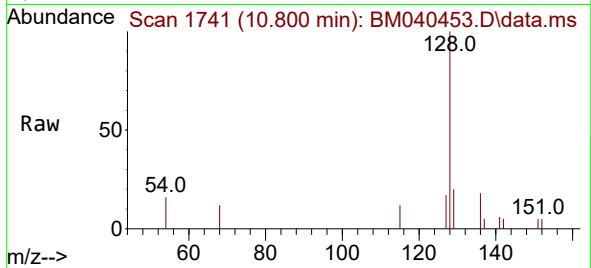




#5
Naphthalene
Concen: 0.076 ng/ul
RT: 10.800 min Scan# 1741
Delta R.T. -0.011 min
Lab File: BM040453.D
Acq: 30 Jun 2023 00:49

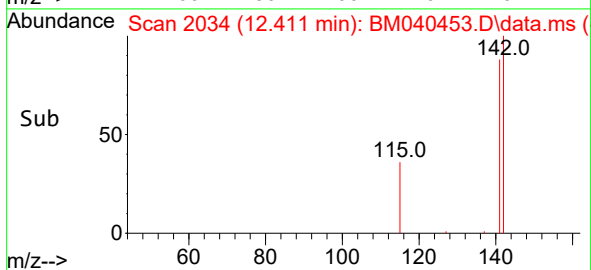
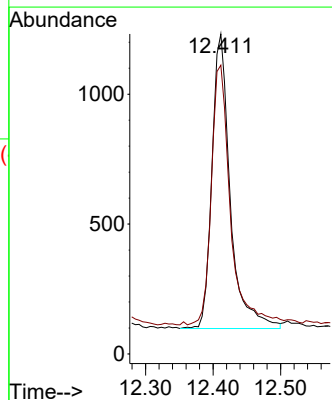
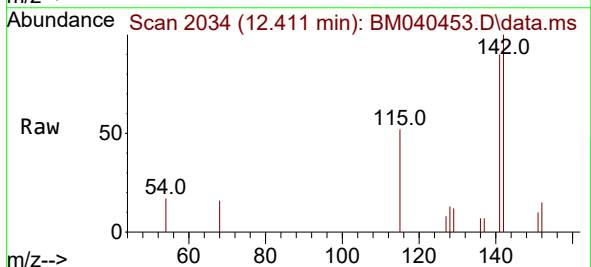
Instrument :
BNA_M
ClientSampleId :
DCFX7

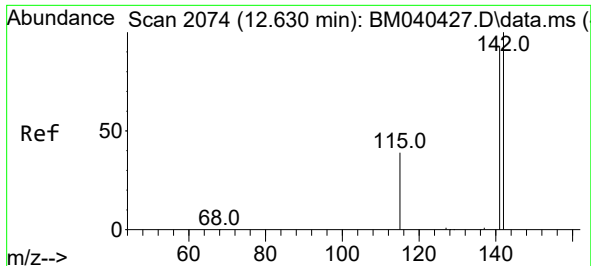
Tgt Ion:128 Resp: 3568
Ion Ratio Lower Upper
128 100
129 19.8 9.2 13.8#
127 16.9 10.6 15.8#



#7
2-Methylnaphthalene
Concen: 0.077 ng/ul
RT: 12.411 min Scan# 2034
Delta R.T. -0.011 min
Lab File: BM040453.D
Acq: 30 Jun 2023 00:49

Tgt Ion:142 Resp: 2135
Ion Ratio Lower Upper
142 100
141 92.7 71.9 107.9

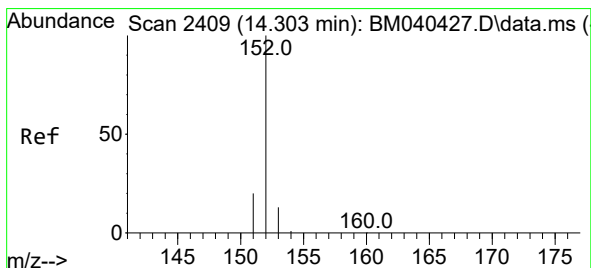
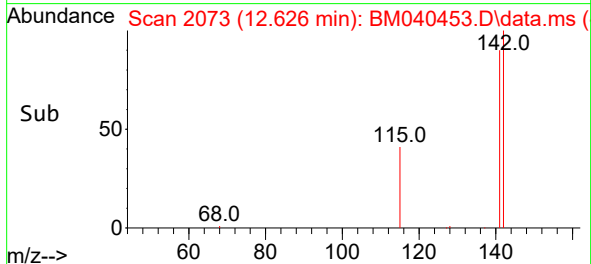
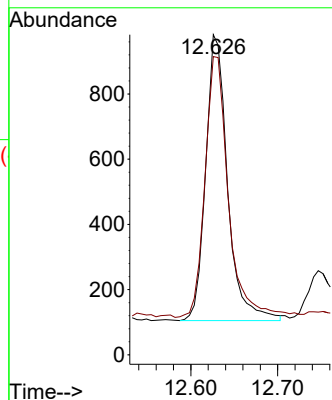
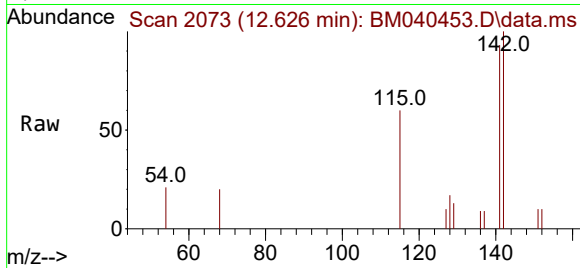




#8
1-Methylnaphthalene
Concen: 0.055 ng/ul
RT: 12.626 min Scan# 2073
Delta R.T. -0.016 min
Lab File: BM040453.D
Acq: 30 Jun 2023 00:49

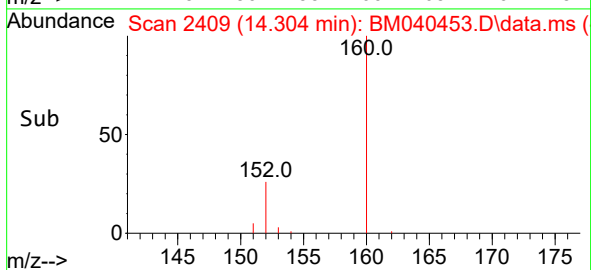
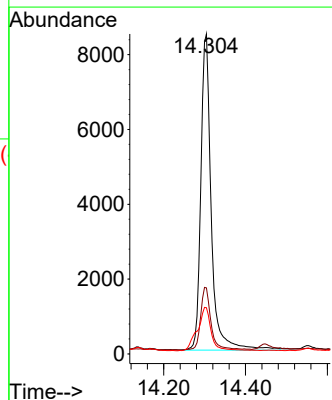
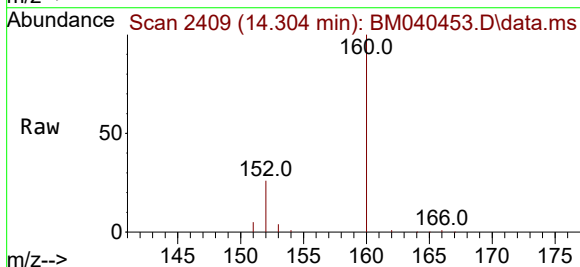
Instrument :
BNA_M
ClientSampleId :
DCFX7

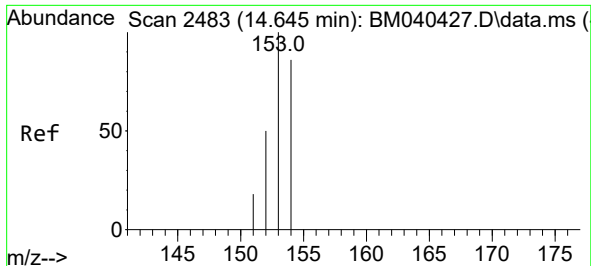
Tgt Ion:142 Resp: 1534
Ion Ratio Lower Upper
142 100
141 97.1 73.7 110.5



#10
Acenaphthylene
Concen: 0.379 ng/ul
RT: 14.304 min Scan# 2409
Delta R.T. -0.009 min
Lab File: BM040453.D
Acq: 30 Jun 2023 00:49

Tgt Ion:152 Resp: 14909
Ion Ratio Lower Upper
152 100
151 20.6 16.2 24.2
153 14.4 10.9 16.3

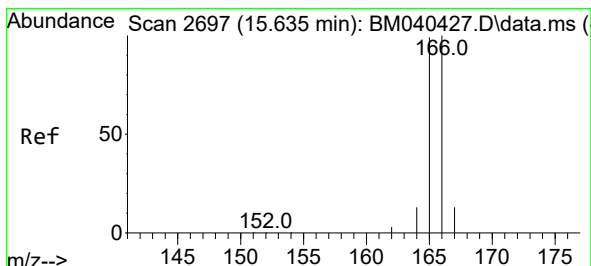
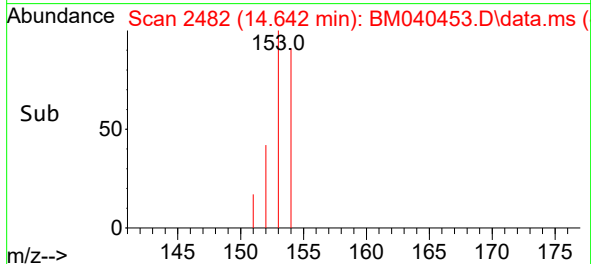
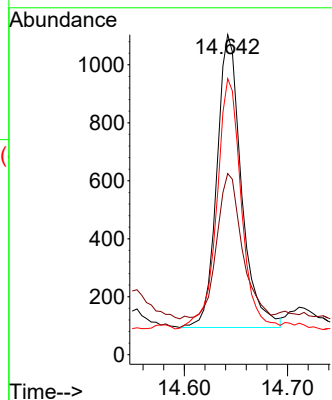
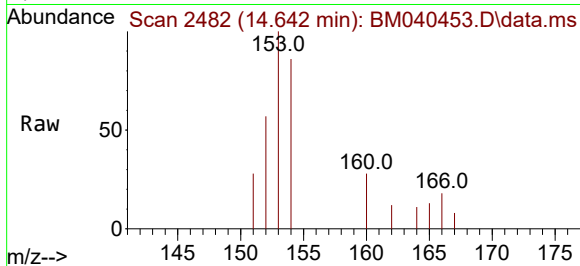




#11
Acenaphthene
Concen: 0.050 ng/ul
RT: 14.642 min Scan# 2482
Delta R.T. -0.014 min
Lab File: BM040453.D
Acq: 30 Jun 2023 00:49

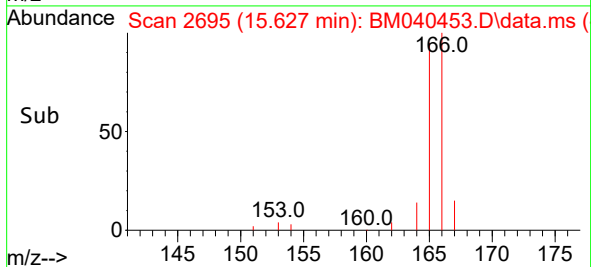
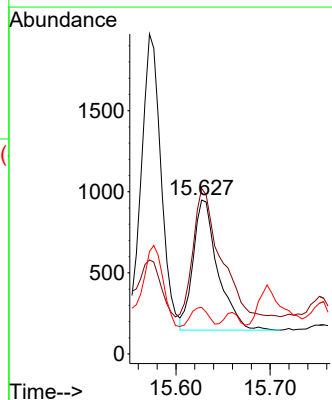
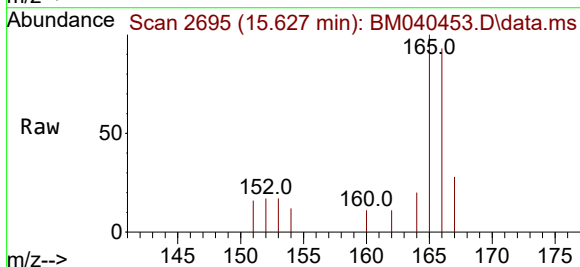
Instrument :
BNA_M
ClientSampleId :
DCFX7

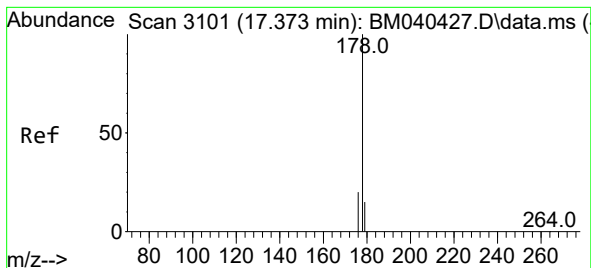
Tgt Ion:153 Resp: 1669
Ion Ratio Lower Upper
153 100
152 56.6 41.0 61.4
154 86.2 70.8 106.2



#12
Fluorene
Concen: 0.041 ng/ul
RT: 15.627 min Scan# 2695
Delta R.T. -0.014 min
Lab File: BM040453.D
Acq: 30 Jun 2023 00:49

Tgt Ion:166 Resp: 1462
Ion Ratio Lower Upper
166 100
165 107.5 79.6 119.4
167 30.2 11.4 17.0#





#15

Phenanthrene

Concen: 1.866 ng/ul

RT: 17.370 min Scan# 3100

Delta R.T. -0.008 min

Lab File: BM040453.D

Acq: 30 Jun 2023 00:49

Instrument :

BNA_M

ClientSampleId :

DCFX7

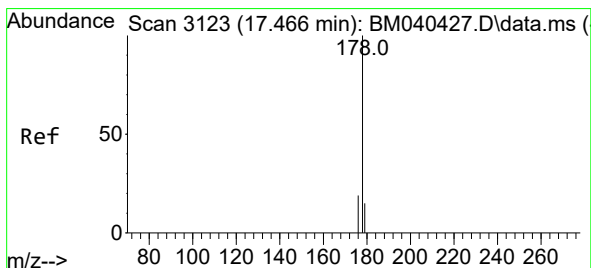
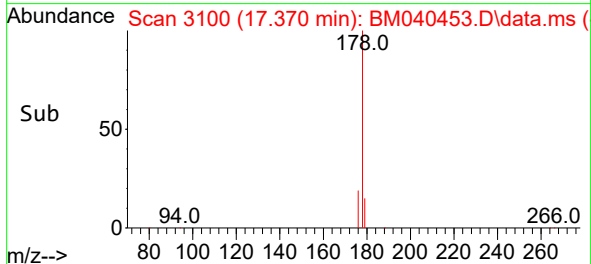
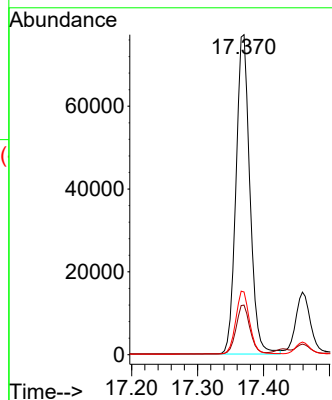
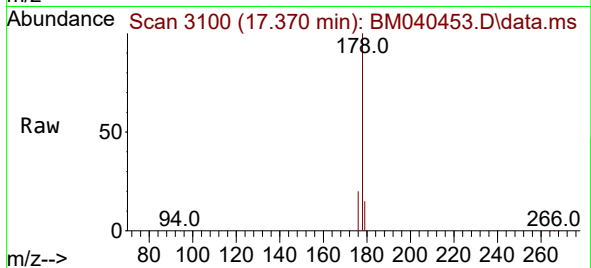
Tgt Ion:178 Resp: 112843

Ion Ratio Lower Upper

178 100

179 15.5 12.8 19.2

176 19.6 16.4 24.6



#16

Anthracene

Concen: 0.464 ng/ul

RT: 17.459 min Scan# 3121

Delta R.T. -0.013 min

Lab File: BM040453.D

Acq: 30 Jun 2023 00:49

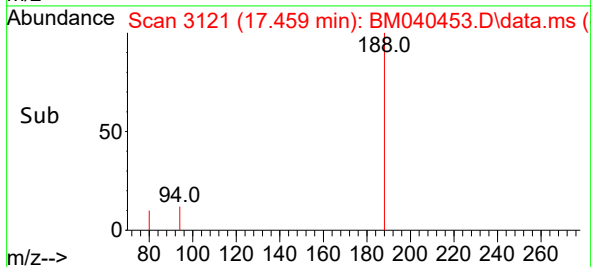
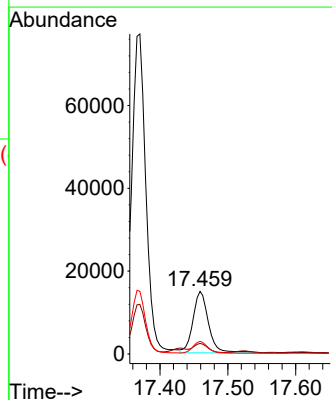
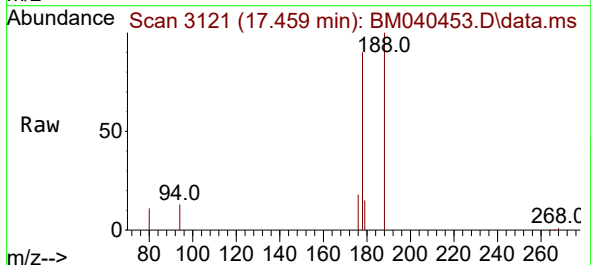
Tgt Ion:178 Resp: 23582

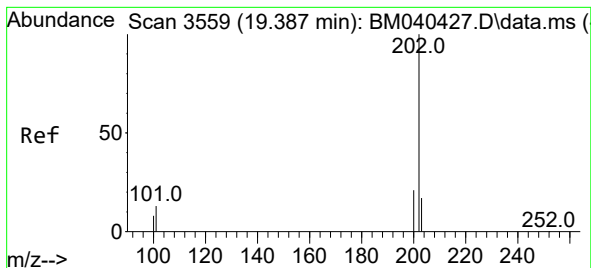
Ion Ratio Lower Upper

178 100

179 16.8 12.9 19.3

176 20.1 15.8 23.6





#19

Fluoranthene

Concen: 4.498 ng/ul

RT: 19.384 min Scan# 3559

Delta R.T. -0.005 min

Lab File: BM040453.D

Acq: 30 Jun 2023 00:49

Instrument :

BNA_M

ClientSampleId :

DCFX7

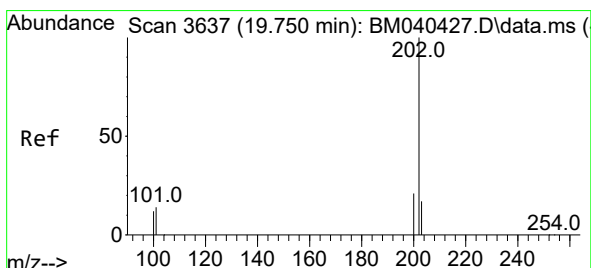
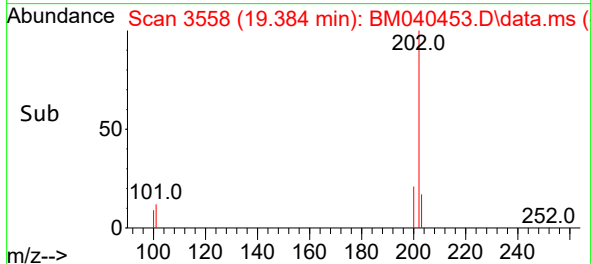
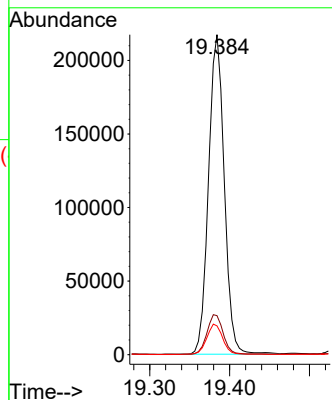
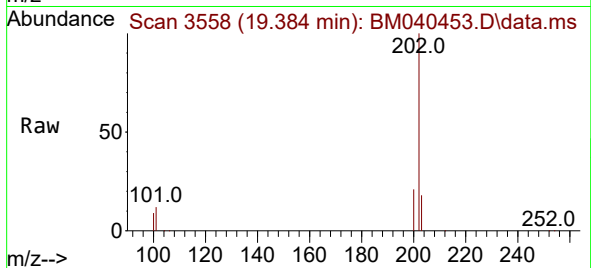
Tgt Ion:202 Resp: 297734

Ion Ratio Lower Upper

202 100

101 12.2 11.4 17.0

100 9.0 8.7 13.1



#20

Pyrene

Concen: 3.008 ng/ul

RT: 19.747 min Scan# 3636

Delta R.T. -0.009 min

Lab File: BM040453.D

Acq: 30 Jun 2023 00:49

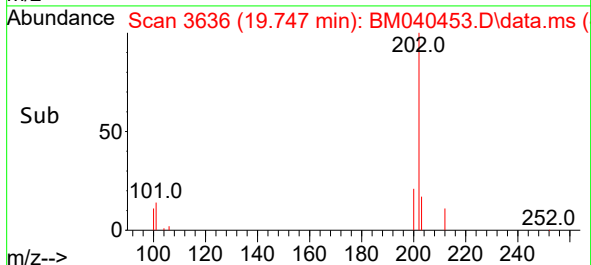
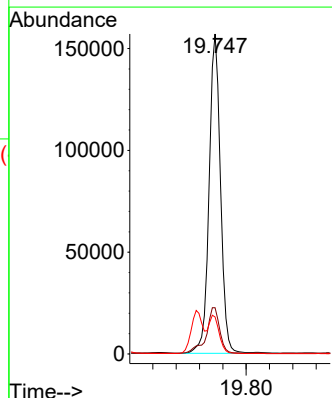
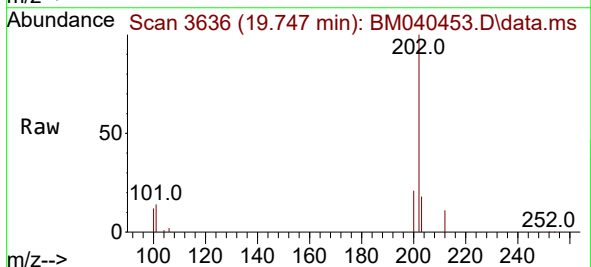
Tgt Ion:202 Resp: 213493

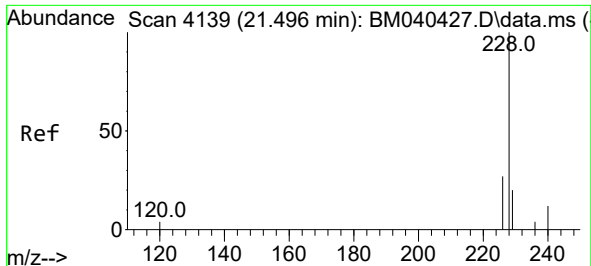
Ion Ratio Lower Upper

202 100

101 14.4 12.6 18.8

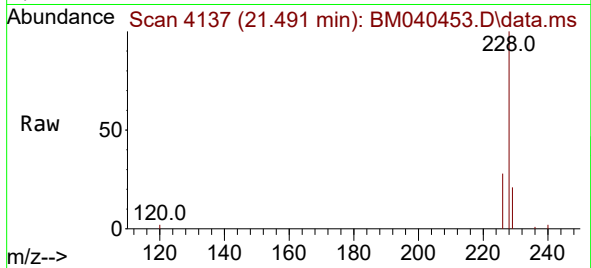
100 11.6 9.8 14.6



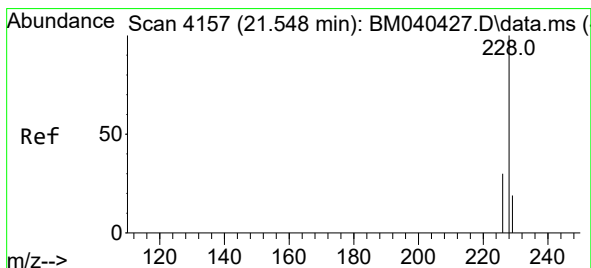
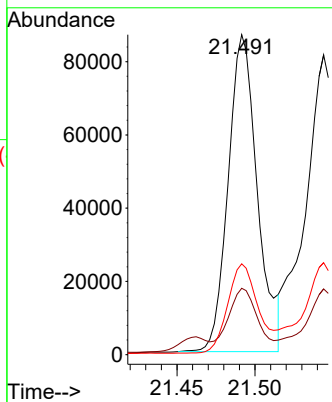
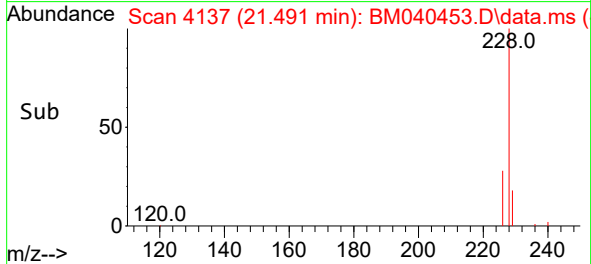


#21
Benzo(a)anthracene
Concen: 2.132 ng/ul
RT: 21.491 min Scan# 4137
Delta R.T. -0.009 min
Lab File: BM040453.D
Acq: 30 Jun 2023 00:49

Instrument :
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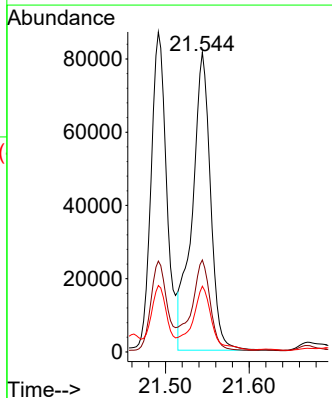
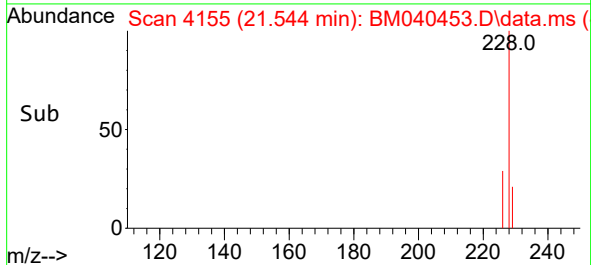
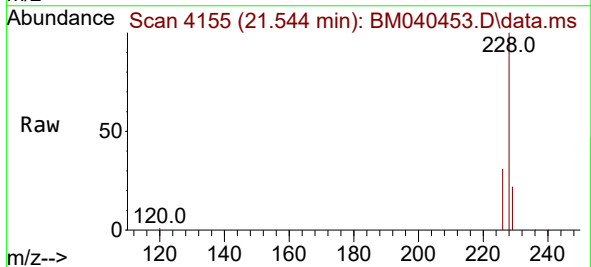


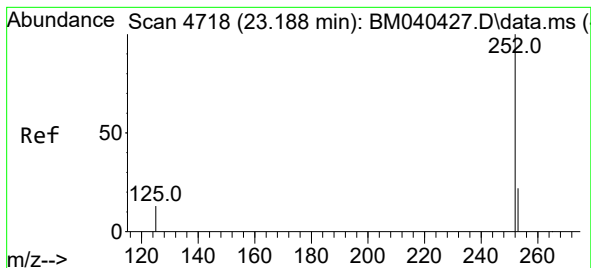
Tgt Ion:228 Resp: 112393
Ion Ratio Lower Upper
228 100
229 20.7 16.0 24.0
226 28.4 22.3 33.5



#22
Chrysene
Concen: 2.049 ng/ul
RT: 21.544 min Scan# 4155
Delta R.T. -0.009 min
Lab File: BM040453.D
Acq: 30 Jun 2023 00:49

Tgt Ion:228 Resp: 123186
Ion Ratio Lower Upper
228 100
226 30.7 24.9 37.3
229 21.9 15.8 23.6





#24

Benzo(b)fluoranthene

Concen: 2.577 ng/ul

RT: 23.187 min Scan# 4718

Delta R.T. -0.006 min

Lab File: BM040453.D

Acq: 30 Jun 2023 00:49

Instrument :

BNA_M

ClientSampleId :

DCFX7

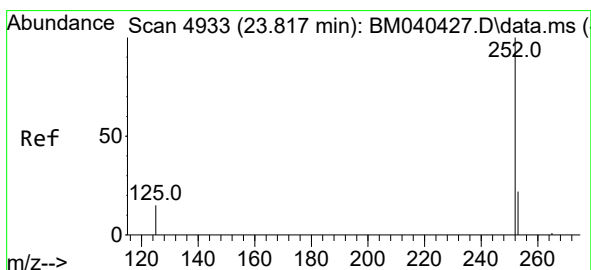
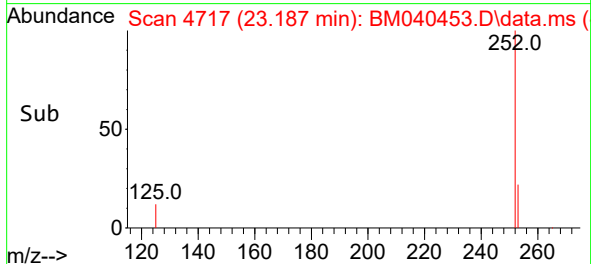
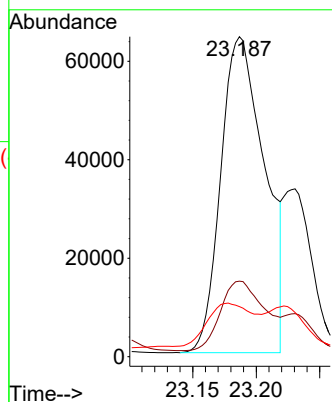
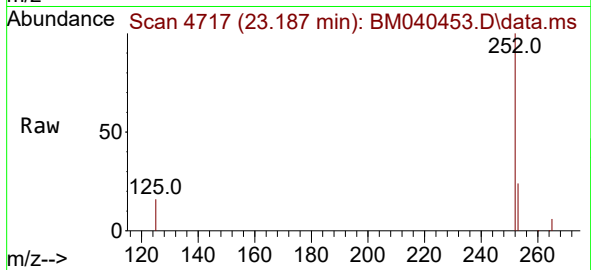
Tgt Ion:252 Resp: 153901

Ion Ratio Lower Upper

252 100

253 23.6 0.0 52.8

125 15.6 0.0 43.0



#26

Benzo(a)pyrene

Concen: 1.470 ng/ul

RT: 23.815 min Scan# 4932

Delta R.T. -0.009 min

Lab File: BM040453.D

Acq: 30 Jun 2023 00:49

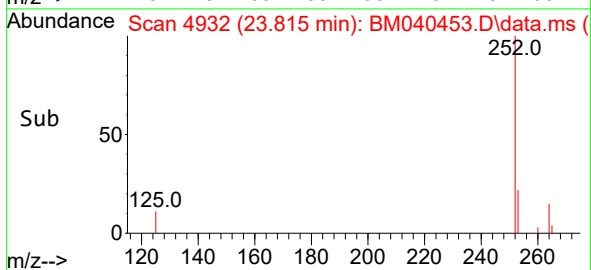
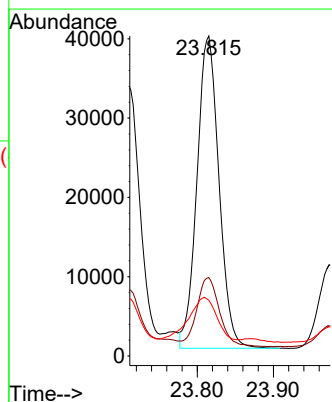
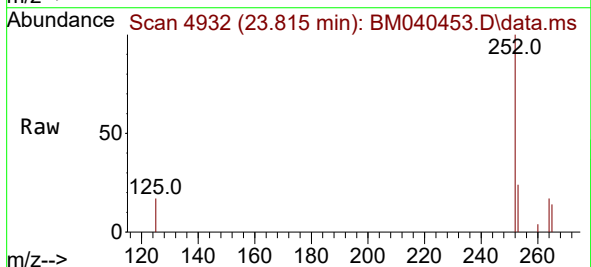
Tgt Ion:252 Resp: 79105

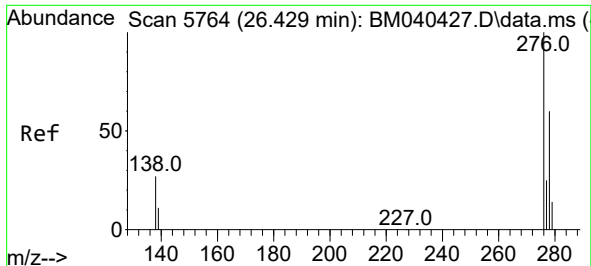
Ion Ratio Lower Upper

252 100

253 24.5 22.9 34.3

125 17.4 21.0 31.4#

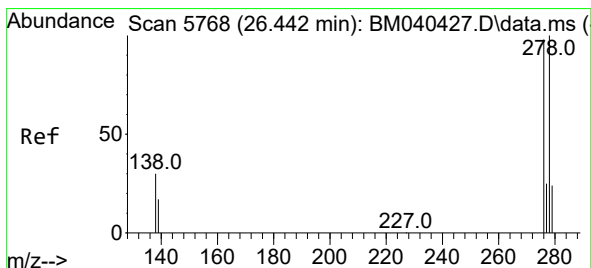
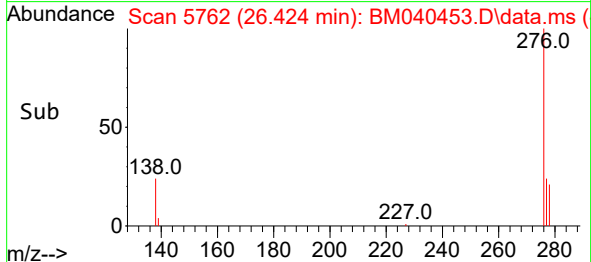
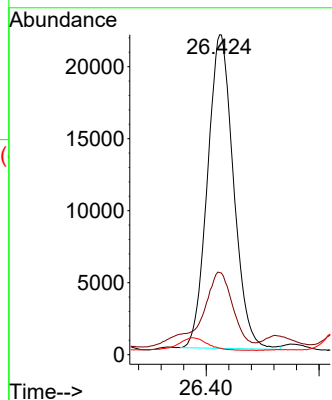
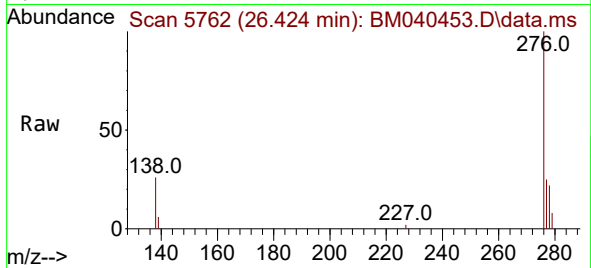




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.931 ng/ul
 RT: 26.424 min Scan# 5764
 Delta R.T. -0.010 min
 Lab File: BM040453.D
 Acq: 30 Jun 2023 00:49

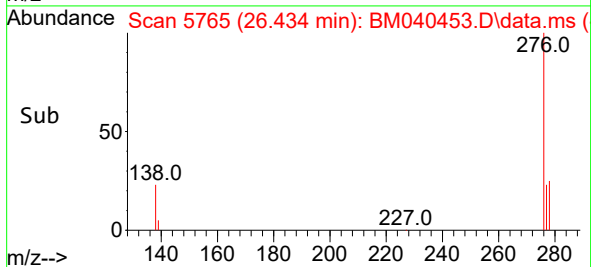
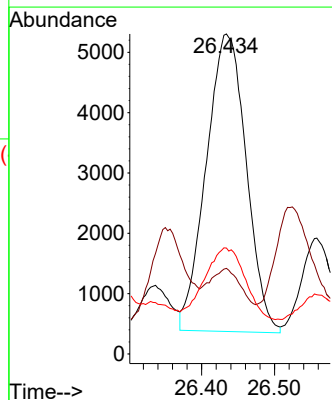
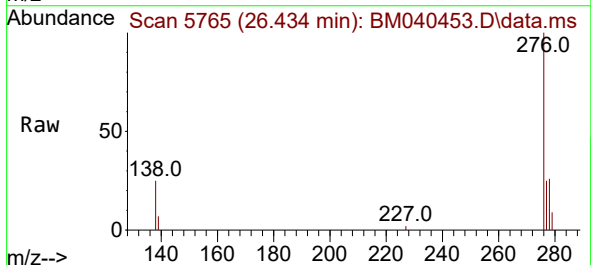
Instrument :
 BNA_M
 ClientSampleId :
 DCFX7

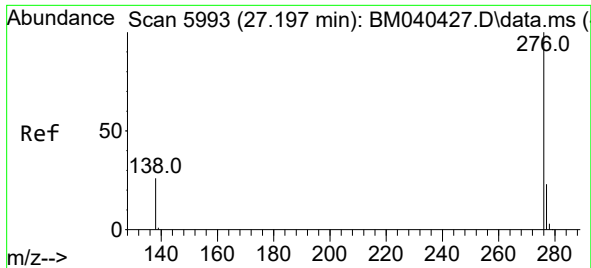
Tgt Ion:276 Resp: 69746
 Ion Ratio Lower Upper
 276 100
 138 28.9 24.5 36.7
 227 0.0 0.1 0.1#



#28
 Dibenzo(a,h)anthracene
 Concen: 0.321 ng/ul
 RT: 26.434 min Scan# 5765
 Delta R.T. -0.020 min
 Lab File: BM040453.D
 Acq: 30 Jun 2023 00:49

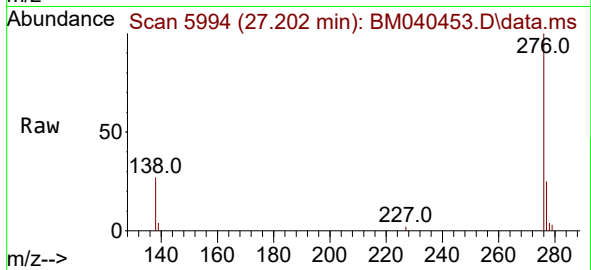
Tgt Ion:278 Resp: 18825
 Ion Ratio Lower Upper
 278 100
 139 26.7 17.9 26.9
 279 33.1 22.0 33.0#





#29
 Benzo(g,h,i)perylene
 Concen: 0.933 ng/ul
 RT: 27.202 min Scan# 5994
 Delta R.T. -0.003 min
 Lab File: BM040453.D
 Acq: 30 Jun 2023 00:49

Instrument :
 BNA_M
 ClientSampleId :
 DCFX7



Tgt Ion:	276	Resp:	61270
Ion	Ratio	Lower	Upper
276	100		
138	26.8	23.0	34.6
277	24.7	20.3	30.5

