

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062623\
 Data File : BM040399.D
 Acq On : 26 Jun 2023 13:33
 Operator : MA/JU
 Sample : 03084-13
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFN0

Quant Time: Jun 27 04:25:30 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)

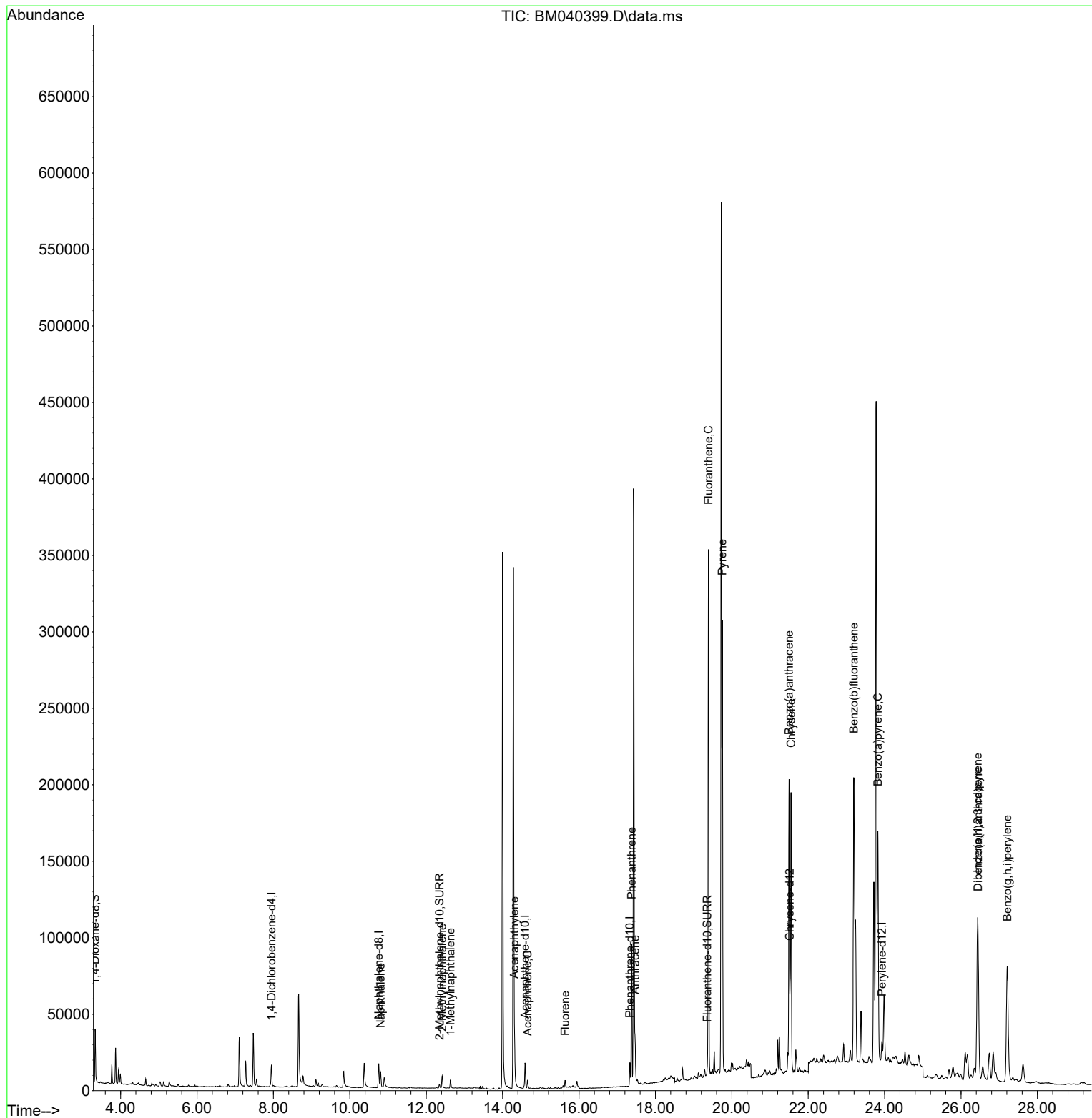
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.949	152	7311	0.400	ng/ul	0.00
4) Naphthalene-d8	10.756	136	22952	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.586	164	9243	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.332	188	17617	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.515	240	13719	0.400	ng/ul	# 0.00
23) Perylene-d12	23.932	264	18087	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.333	96	20117	1.752	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.345	152	3816	0.119	ng/ul	0.00
18) Fluoranthene-d10	19.356	212	6221	0.141	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.806	128	14332	0.226	ng/ul	97
7) 2-Methylnaphthalene	12.417	142	6492	0.175	ng/ul	98
8) 1-Methylnaphthalene	12.637	142	4031	0.108	ng/ul	99
10) Acenaphthylene	14.309	152	32067	0.777	ng/ul	100
11) Acenaphthene	14.651	153	3284	0.094	ng/ul	97
12) Fluorene	15.637	166	3422	0.092	ng/ul#	95
15) Phenanthrene	17.375	178	95782	1.750	ng/ul	99
16) Anthracene	17.467	178	22122	0.481	ng/ul	96
19) Fluoranthene	19.389	202	289218	4.963	ng/ul	95
20) Pyrene	19.751	202	233696	3.741	ng/ul	98
21) Benzo(a)anthracene	21.497	228	159664	3.441	ng/ul	96
22) Chrysene	21.550	228	183172	3.460	ng/ul	97
24) Benzo(b)fluoranthene	23.195	252	328367	4.691	ng/ul	94
26) Benzo(a)pyrene	23.824	252	210814	3.344	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	26.437	276	188624	2.148	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.447	278	46317	0.674	ng/ul#	91
29) Benzo(g,h,i)perylene	27.212	276	172913	2.247	ng/ul	96

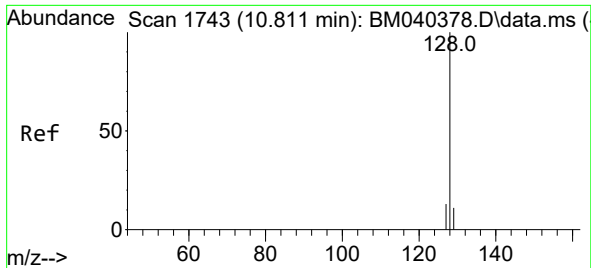
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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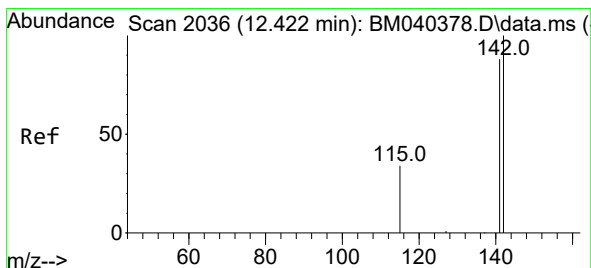
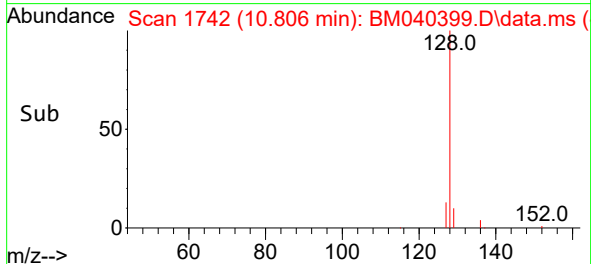
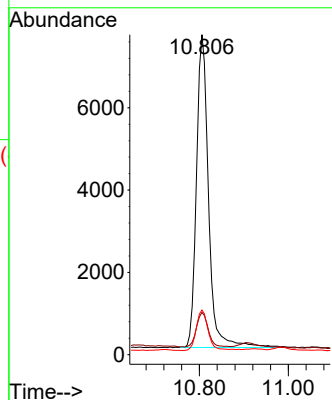
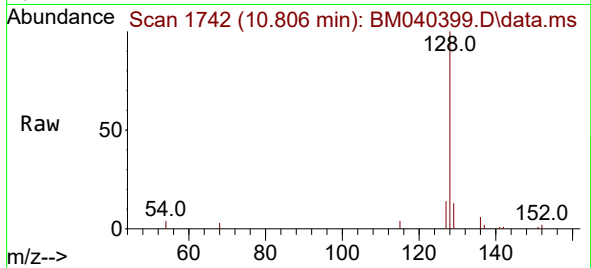




#5
Naphthalene
Concen: 0.226 ng/ul
RT: 10.806 min Scan# 11
Delta R.T. -0.005 min
Lab File: BM040399.D
Acq: 26 Jun 2023 13:33

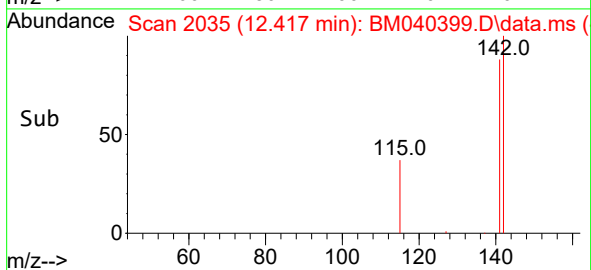
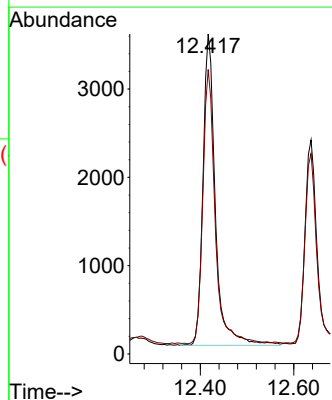
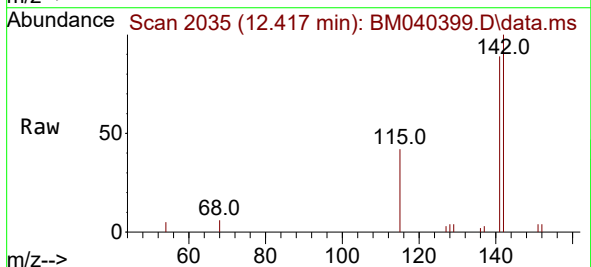
Instrument :
BNA_M
ClientSampleId :
DCFN0

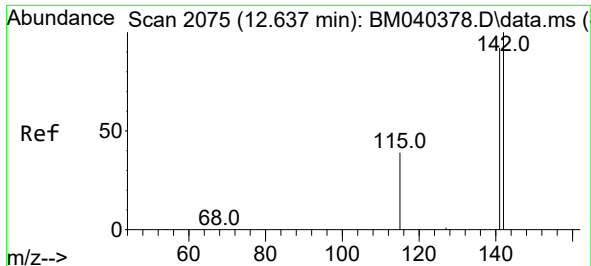
Tgt Ion:128 Resp: 14332
Ion Ratio Lower Upper
128 100
129 13.2 9.2 13.8
127 14.0 10.6 15.8



#7
2-Methylnaphthalene
Concen: 0.175 ng/ul
RT: 12.417 min Scan# 2035
Delta R.T. -0.005 min
Lab File: BM040399.D
Acq: 26 Jun 2023 13:33

Tgt Ion:142 Resp: 6492
Ion Ratio Lower Upper
142 100
141 88.3 71.9 107.9

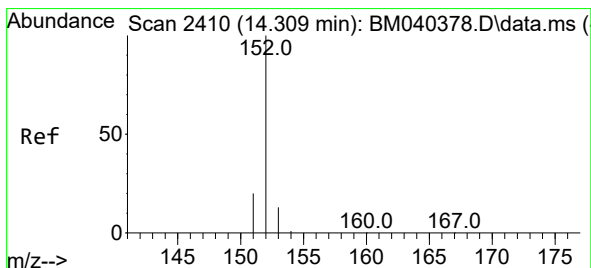
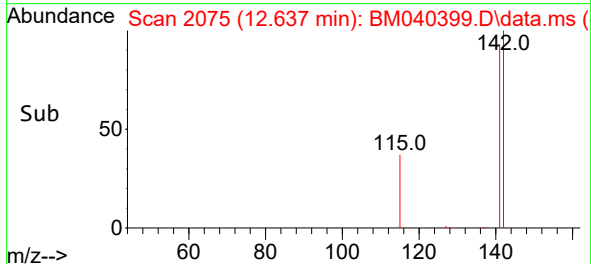
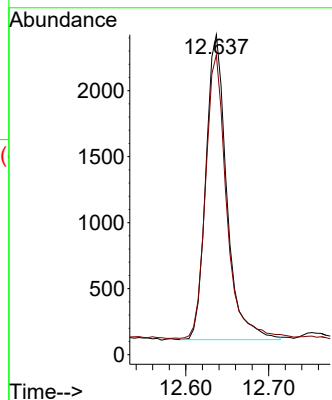
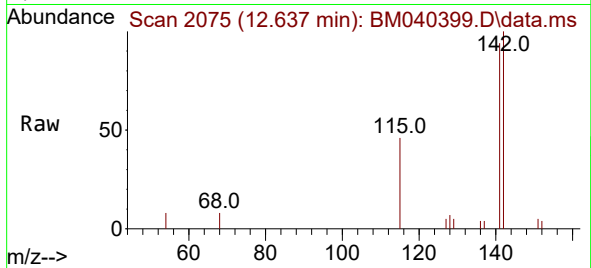




#8
1-Methylnaphthalene
Concen: 0.108 ng/ul
RT: 12.637 min Scan# 2075
Delta R.T. -0.005 min
Lab File: BM040399.D
Acq: 26 Jun 2023 13:33

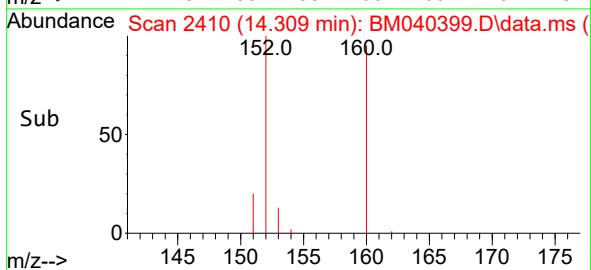
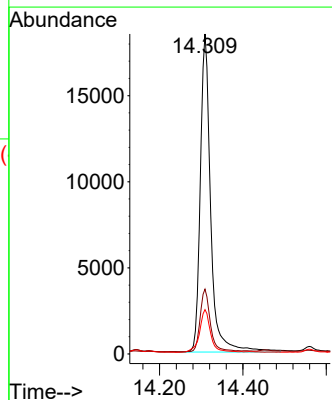
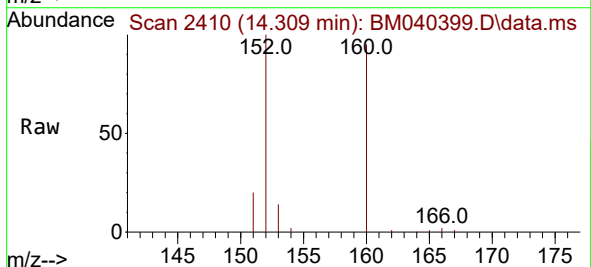
Instrument :
BNA_M
ClientSampleId :
DCFN0

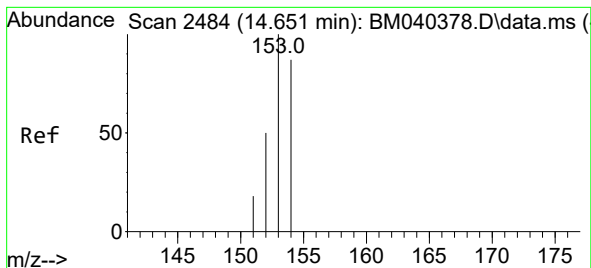
Tgt Ion:142 Resp: 4031
Ion Ratio Lower Upper
142 100
141 93.3 73.7 110.5



#10
Acenaphthylene
Concen: 0.777 ng/ul
RT: 14.309 min Scan# 2410
Delta R.T. -0.005 min
Lab File: BM040399.D
Acq: 26 Jun 2023 13:33

Tgt Ion:152 Resp: 32067
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 13.9 10.9 16.3





#11

Acenaphthene

Concen: 0.094 ng/ul

RT: 14.651 min Scan# 2484

Delta R.T. -0.005 min

Lab File: BM040399.D

Acq: 26 Jun 2023 13:33

Instrument :

BNA_M

ClientSampleId :

DCFN0

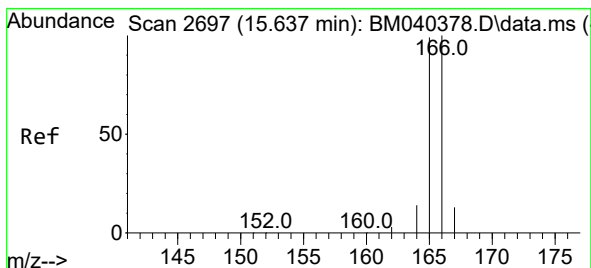
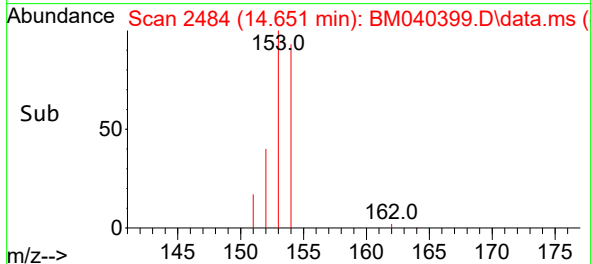
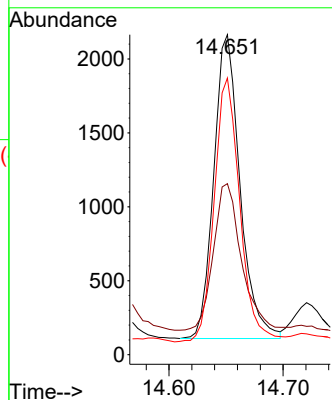
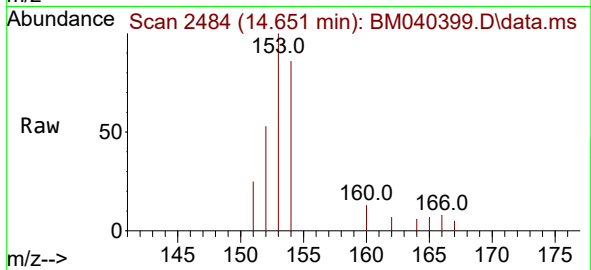
Tgt Ion:153 Resp: 3284

Ion Ratio Lower Upper

153 100

152 53.5 41.0 61.4

154 86.5 70.8 106.2



#12

Fluorene

Concen: 0.092 ng/ul

RT: 15.637 min Scan# 2697

Delta R.T. -0.005 min

Lab File: BM040399.D

Acq: 26 Jun 2023 13:33

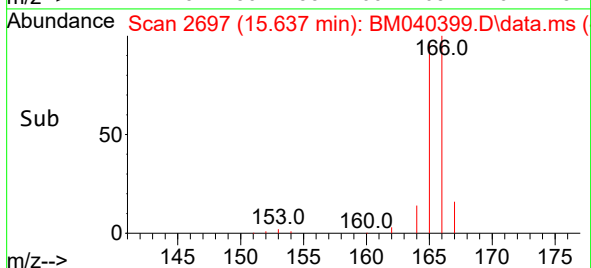
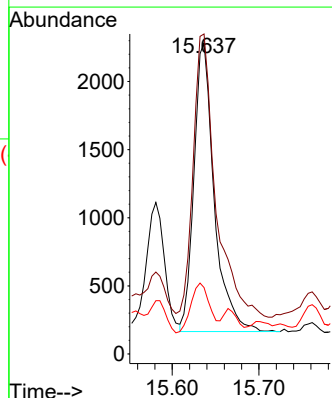
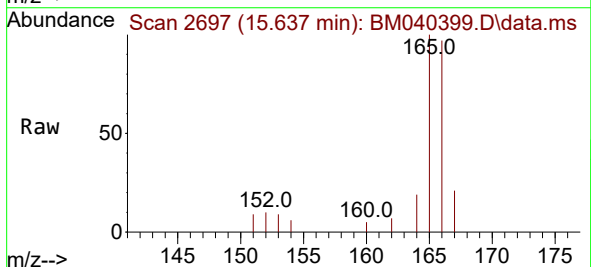
Tgt Ion:166 Resp: 3422

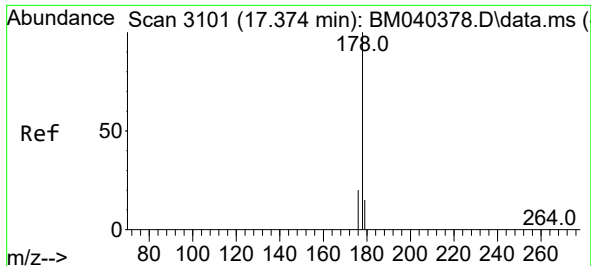
Ion Ratio Lower Upper

166 100

165 102.9 79.6 119.4

167 21.4 11.4 17.0#

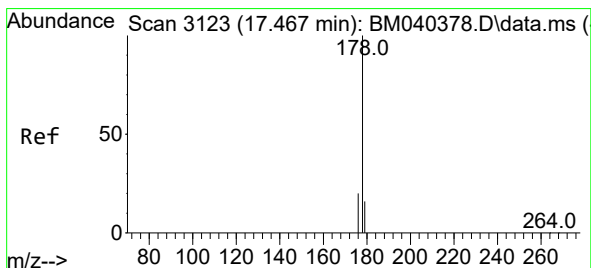
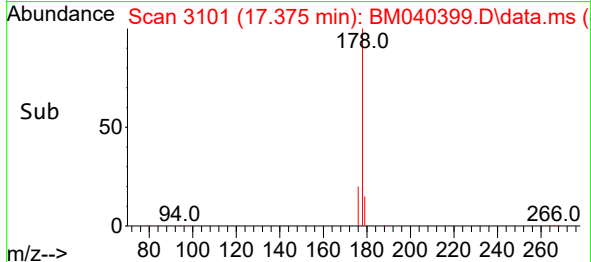
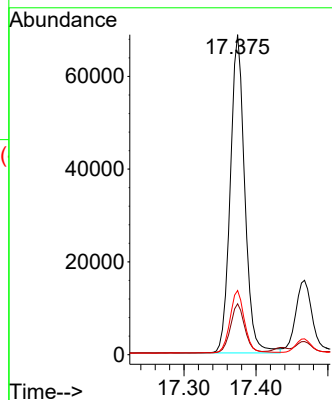
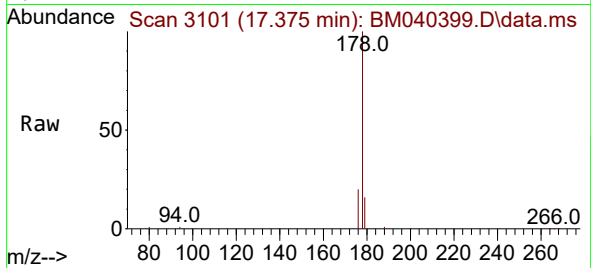




#15
Phenanthrene
Concen: 1.750 ng/ul
RT: 17.375 min Scan# 3101
Delta R.T. -0.004 min
Lab File: BM040399.D
Acq: 26 Jun 2023 13:33

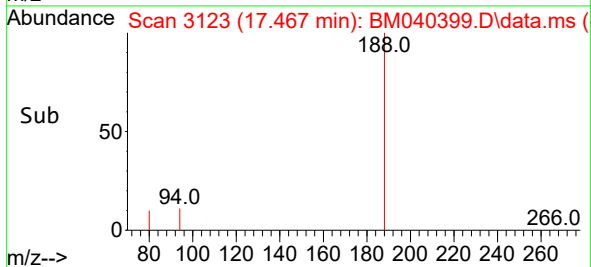
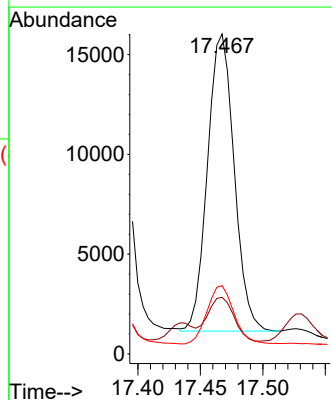
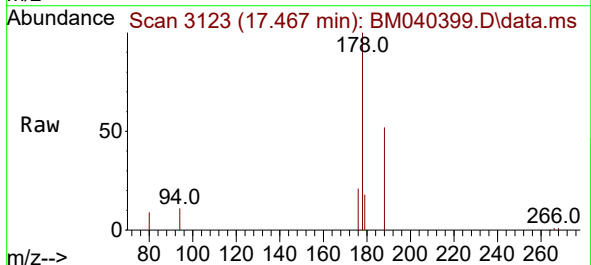
Instrument :
BNA_M
ClientSampleId :
DCFN0

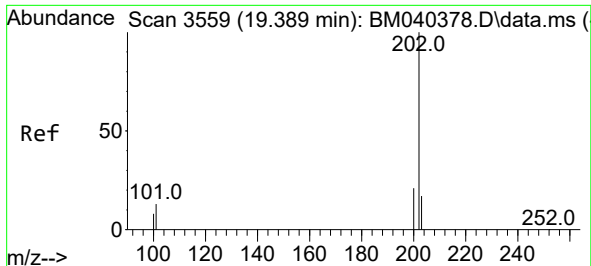
Tgt Ion:178 Resp: 95782
Ion Ratio Lower Upper
178 100
179 15.9 12.8 19.2
176 20.0 16.4 24.6



#16
Anthracene
Concen: 0.481 ng/ul
RT: 17.467 min Scan# 3123
Delta R.T. -0.004 min
Lab File: BM040399.D
Acq: 26 Jun 2023 13:33

Tgt Ion:178 Resp: 22122
Ion Ratio Lower Upper
178 100
179 17.7 12.9 19.3
176 21.4 15.8 23.6

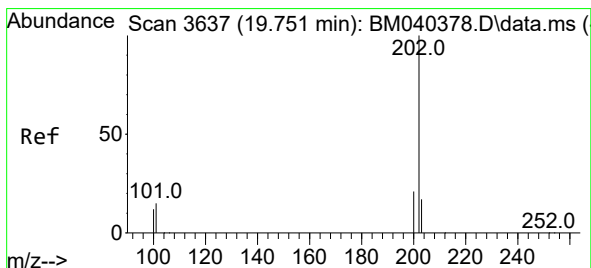
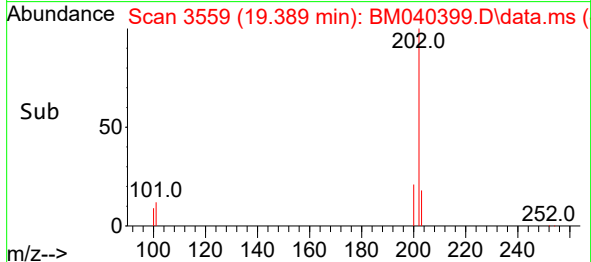
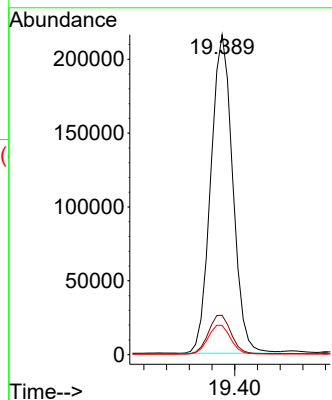
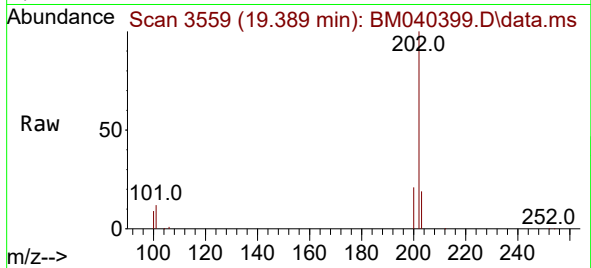




#19
Fluoranthene
Concen: 4.963 ng/ul
RT: 19.389 min Scan# 3559
Delta R.T. 0.000 min
Lab File: BM040399.D
Acq: 26 Jun 2023 13:33

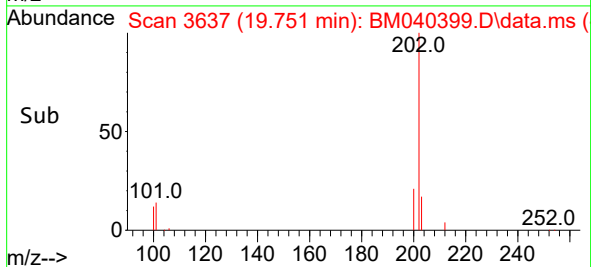
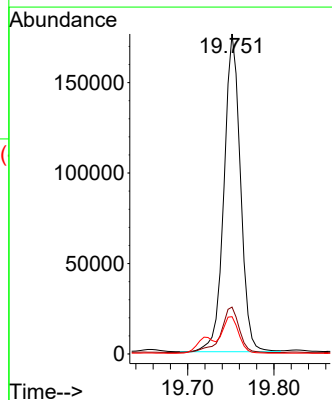
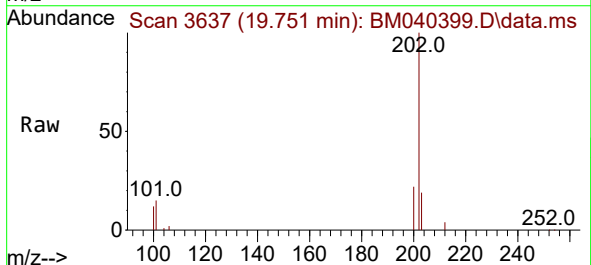
Instrument :
BNA_M
ClientSampleId :
DCFN0

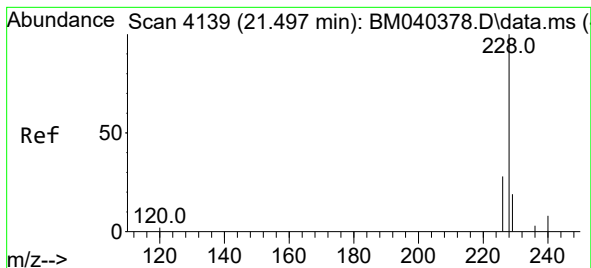
Tgt Ion:202 Resp: 289218
Ion Ratio Lower Upper
202 100
101 12.3 11.4 17.0
100 9.2 8.7 13.1



#20
Pyrene
Concen: 3.741 ng/ul
RT: 19.751 min Scan# 3637
Delta R.T. -0.005 min
Lab File: BM040399.D
Acq: 26 Jun 2023 13:33

Tgt Ion:202 Resp: 233696
Ion Ratio Lower Upper
202 100
101 14.7 12.6 18.8
100 11.6 9.8 14.6





#21

Benzo(a)anthracene

Concen: 3.441 ng/ul

RT: 21.497 min Scan# 4139

Delta R.T. -0.003 min

Lab File: BM040399.D

Acq: 26 Jun 2023 13:33

Instrument :

BNA_M

ClientSampleId :

DCFN0

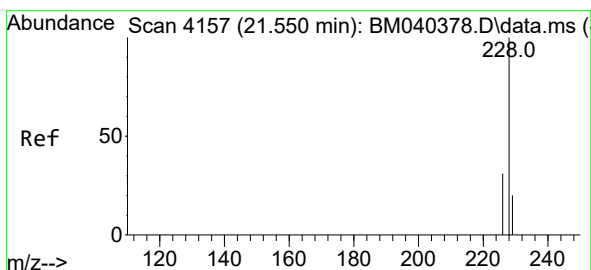
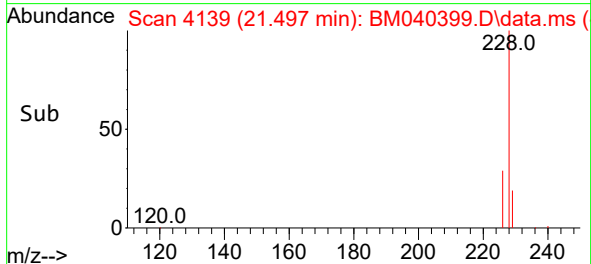
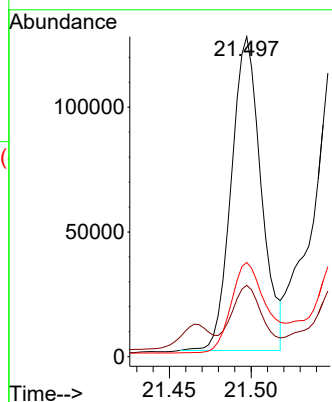
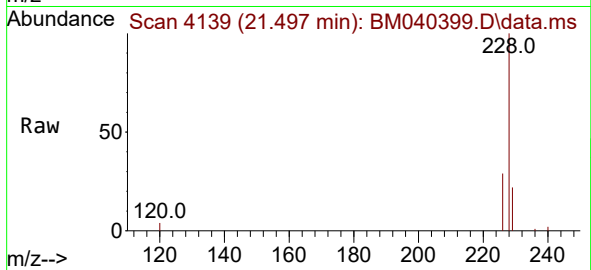
Tgt Ion:228 Resp: 159664

Ion Ratio Lower Upper

228 100

229 22.3 16.0 24.0

226 29.5 22.3 33.5



#22

Chrysene

Concen: 3.460 ng/ul

RT: 21.550 min Scan# 4157

Delta R.T. -0.003 min

Lab File: BM040399.D

Acq: 26 Jun 2023 13:33

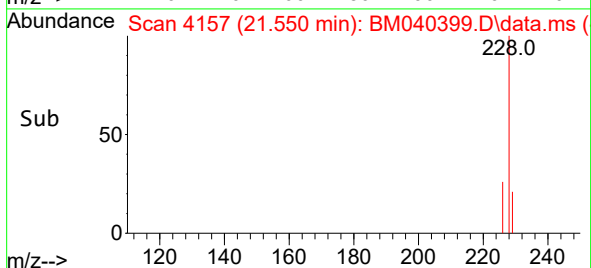
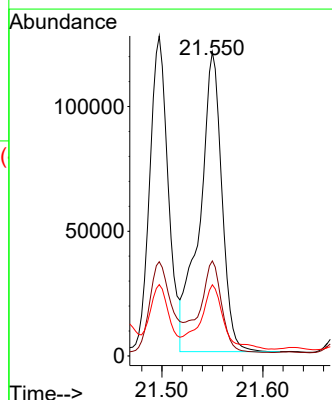
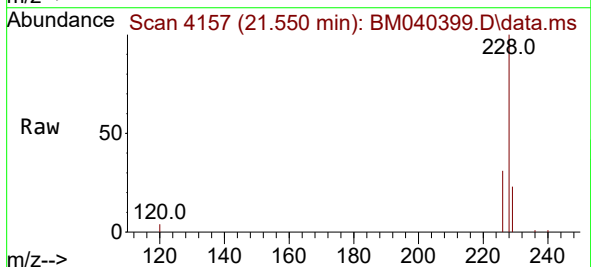
Tgt Ion:228 Resp: 183172

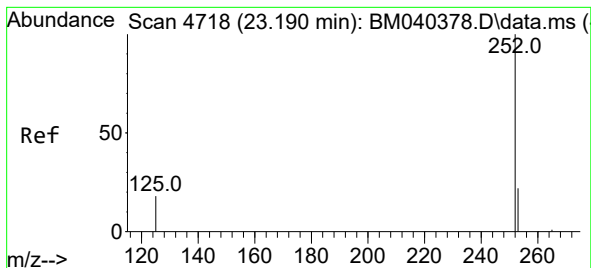
Ion Ratio Lower Upper

228 100

226 31.3 24.9 37.3

229 23.4 15.8 23.6





#24

Benzo(b)fluoranthene

Concen: 4.691 ng/ul

RT: 23.195 min Scan# 41

Delta R.T. 0.003 min

Lab File: BM040399.D

Acq: 26 Jun 2023 13:33

Instrument :

BNA_M

ClientSampleId :

DCFN0

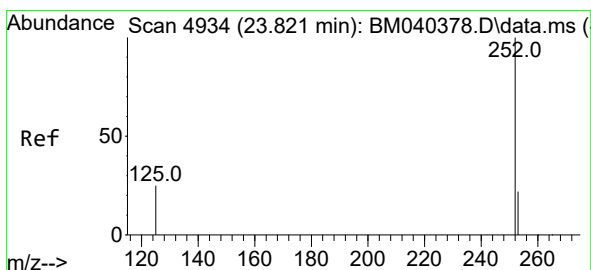
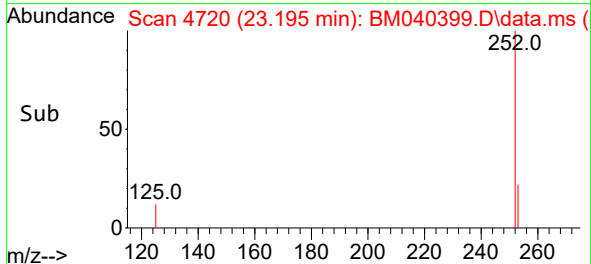
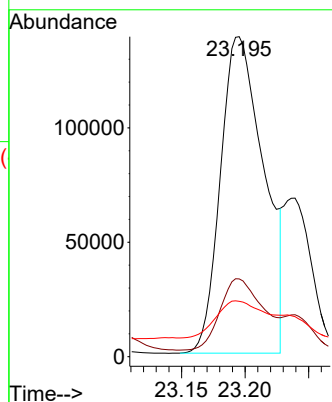
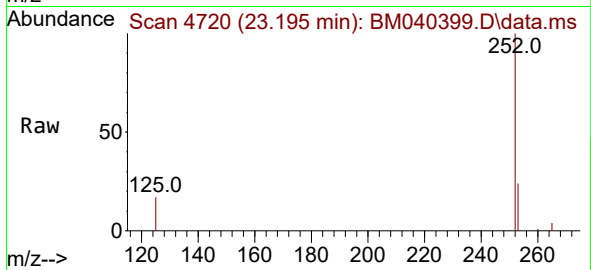
Tgt Ion:252 Resp: 328367

Ion Ratio Lower Upper

252 100

253 24.3 0.0 52.8

125 17.3 0.0 43.0



#26

Benzo(a)pyrene

Concen: 3.344 ng/ul

RT: 23.824 min Scan# 4935

Delta R.T. 0.000 min

Lab File: BM040399.D

Acq: 26 Jun 2023 13:33

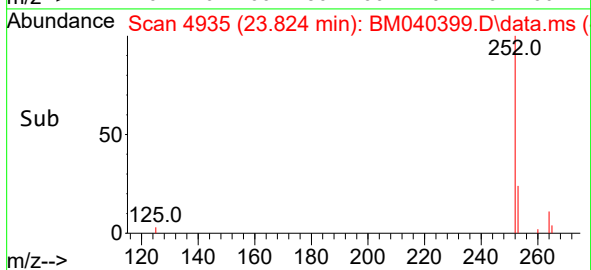
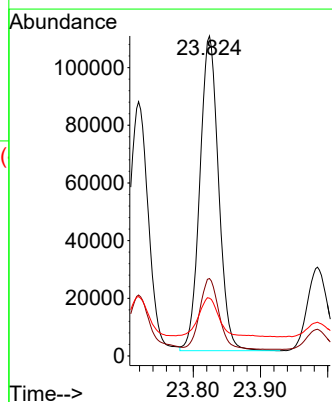
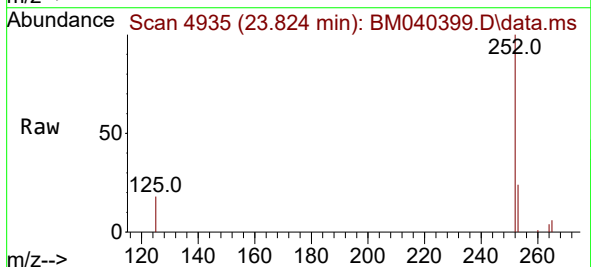
Tgt Ion:252 Resp: 210814

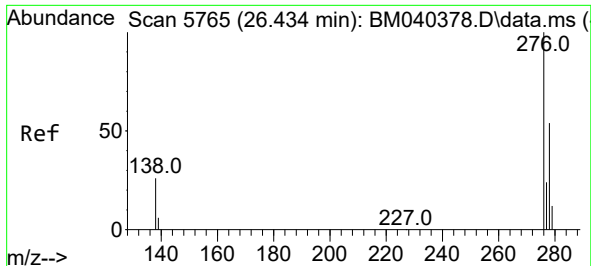
Ion Ratio Lower Upper

252 100

253 24.2 22.9 34.3

125 18.0 21.0 31.4#

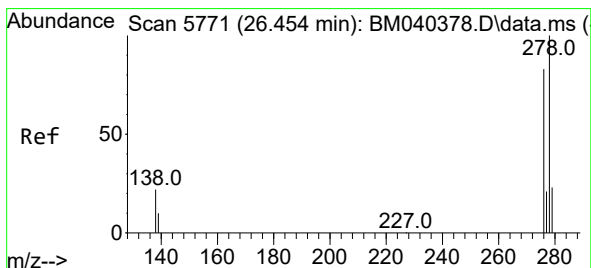
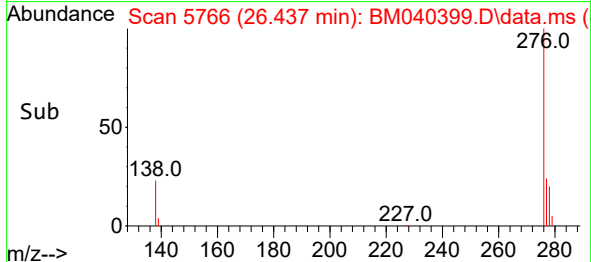
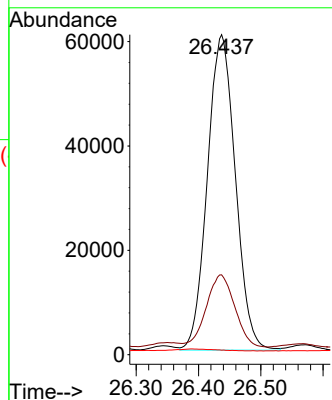
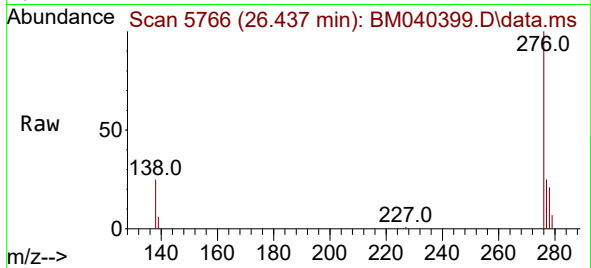




#27
Indeno(1,2,3-cd)pyrene
Concen: 2.148 ng/ul
RT: 26.437 min Scan# 5765
Delta R.T. 0.003 min
Lab File: BM040399.D
Acq: 26 Jun 2023 13:33

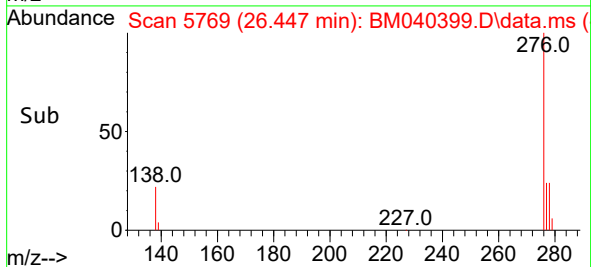
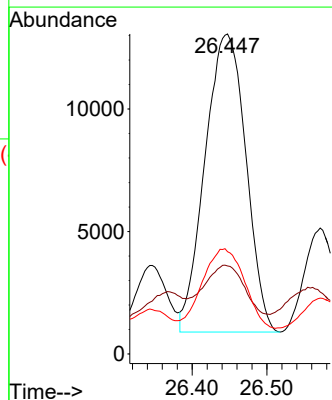
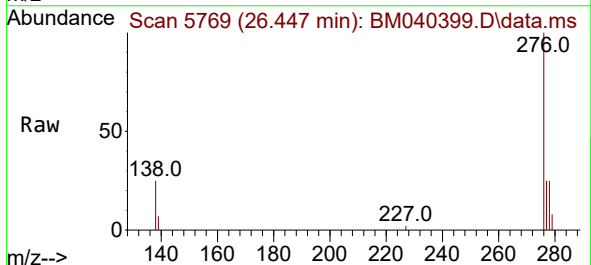
Instrument :
BNA_M
ClientSampleId :
DCFN0

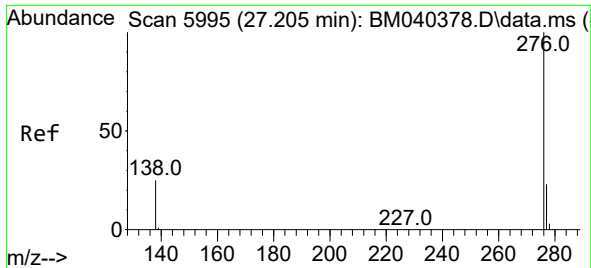
Tgt Ion:276 Resp: 188624
Ion Ratio Lower Upper
276 100
138 23.2 24.5 36.7#
227 0.0 0.1 0.1#



#28
Dibenzo(a,h)anthracene
Concen: 0.674 ng/ul
RT: 26.447 min Scan# 5769
Delta R.T. -0.007 min
Lab File: BM040399.D
Acq: 26 Jun 2023 13:33

Tgt Ion:278 Resp: 46317
Ion Ratio Lower Upper
278 100
139 27.5 17.9 26.9#
279 31.9 22.0 33.0





#29

Benzo(g,h,i)perylene

Concen: 2.247 ng/ul

RT: 27.212 min Scan# 5997

Delta R.T. 0.007 min

Lab File: BM040399.D

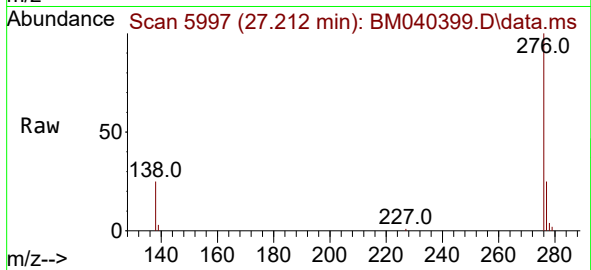
Acq: 26 Jun 2023 13:33

Instrument :

BNA_M

ClientSampleId :

DCFN0



Tgt Ion:276 Resp: 172913

Ion Ratio Lower Upper

276 100

138 25.5 23.0 34.6

277 24.6 20.3 30.5

