

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062623\
 Data File : BM040411.D
 Acq On : 26 Jun 2023 21:02
 Operator : MA/JU
 Sample : 03084-08DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFM5DL

Quant Time: Jun 27 04:27:32 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)

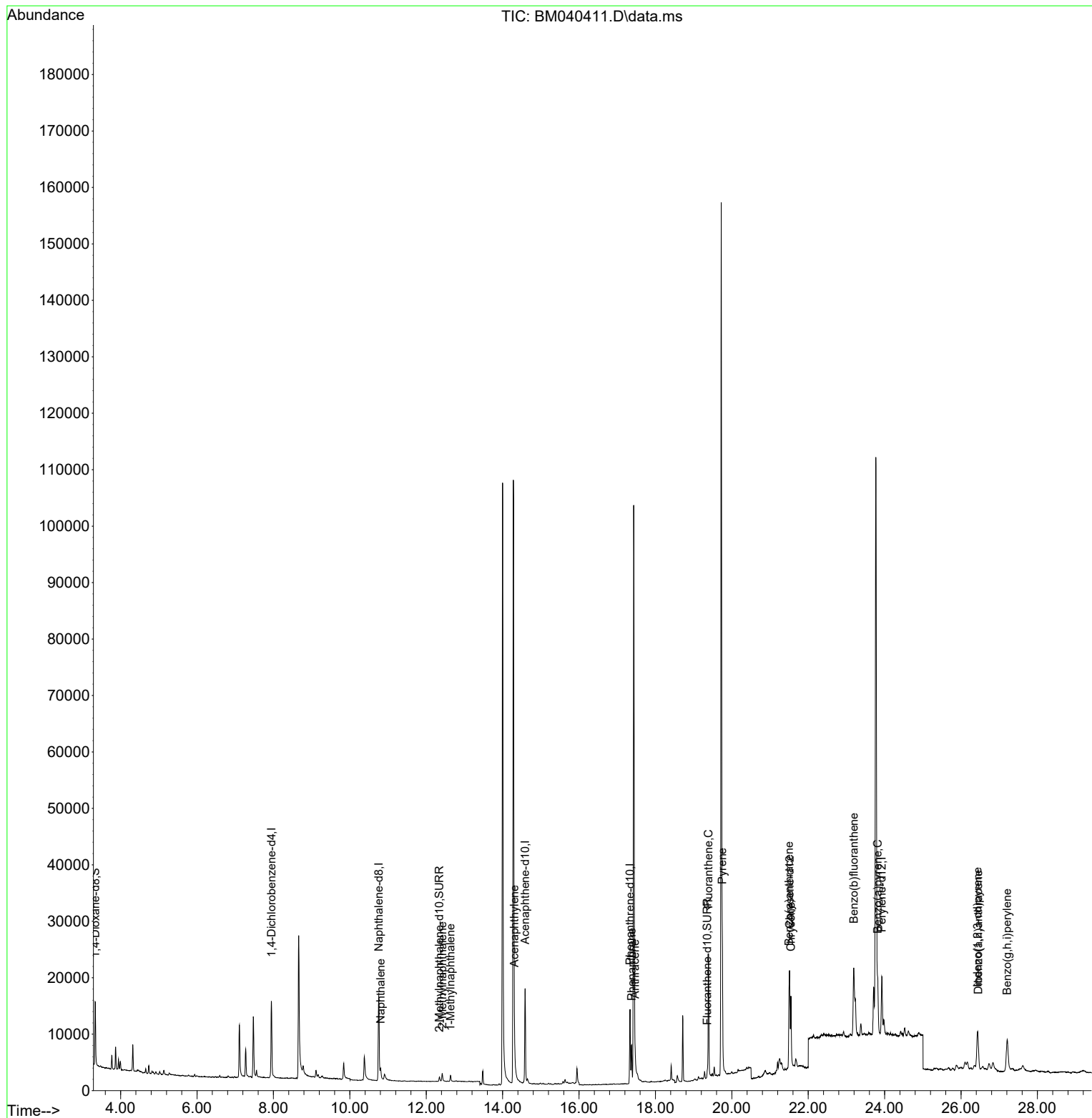
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.949	152	7419	0.400	ng/ul	0.00
4) Naphthalene-d8	10.755	136	24089	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.590	164	9846	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.335	188	16327	0.400	ng/ul	0.00
17) Chrysene-d12	21.512	240	13211	0.400	ng/ul	0.00
23) Perylene-d12	23.927	264	14751	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.337	96	6832	0.586	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.344	152	1395	0.041	ng/ul	0.00
18) Fluoranthene-d10	19.360	212	1703	0.040	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.804	128	2572	0.039	ng/ul#	83
7) 2-Methylnaphthalene	12.421	142	1280	0.033	ng/ul	98
8) 1-Methylnaphthalene	12.635	142	856	0.022	ng/ul	99
10) Acenaphthylene	14.307	152	4079	0.093	ng/ul#	90
15) Phenanthrene	17.377	178	7711	0.152	ng/ul	95
16) Anthracene	17.466	178	1737	0.041	ng/ul#	75
19) Fluoranthene	19.387	202	20568	0.367	ng/ul	98
20) Pyrene	19.750	202	18082	0.301	ng/ul	99
21) Benzo(a)anthracene	21.495	228	10408	0.233	ng/ul#	84
22) Chrysene	21.547	228	14492	0.284	ng/ul#	87
24) Benzo(b)fluoranthene	23.193	252	21291	0.373	ng/ul	83
26) Benzo(a)pyrene	23.818	252	12447	0.242	ng/ul#	79
27) Indeno(1,2,3-cd)pyrene	26.431	276	12485	0.174	ng/ul#	85
28) Dibenzo(a,h)anthracene	26.448	278	3063	0.055	ng/ul#	15
29) Benzo(g,h,i)perylene	27.209	276	13240	0.211	ng/ul#	87

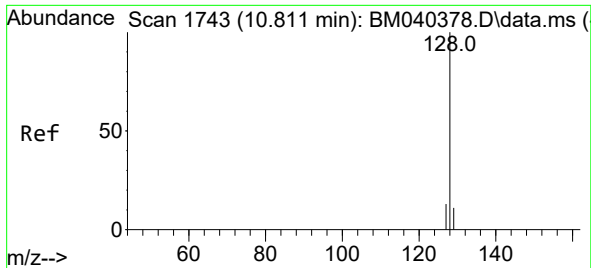
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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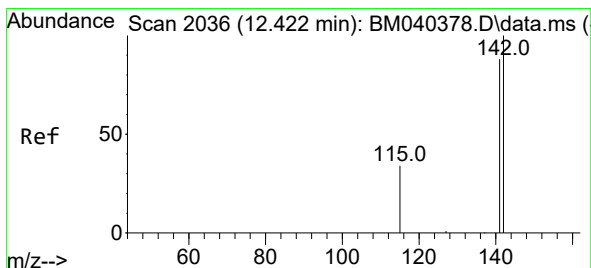
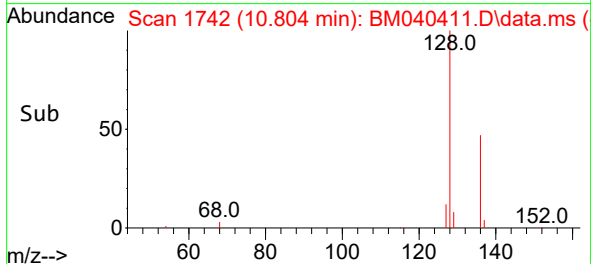
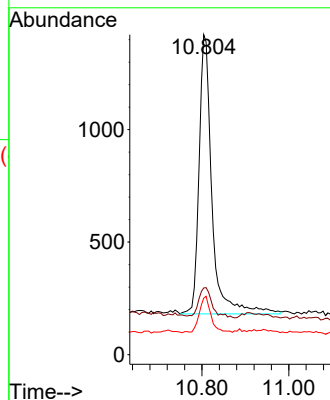
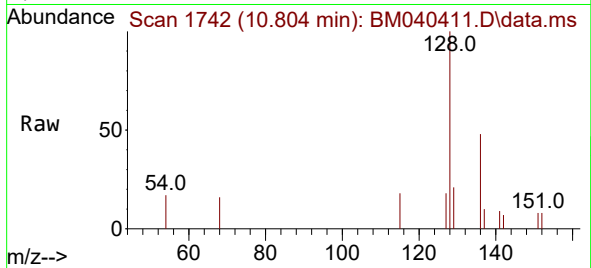




#5
Naphthalene
Concen: 0.039 ng/ul
RT: 10.804 min Scan# 11
Delta R.T. -0.007 min
Lab File: BM040411.D
Acq: 26 Jun 2023 21:02

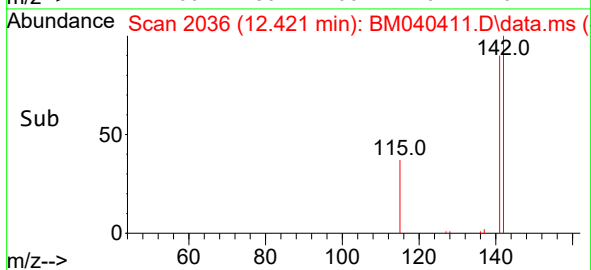
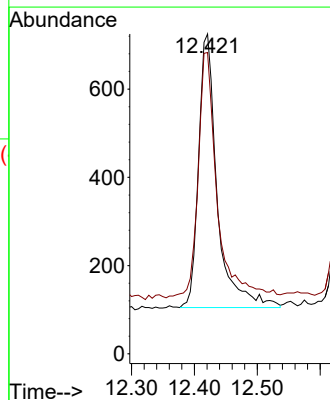
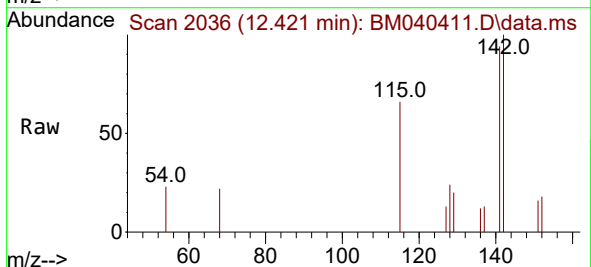
Instrument :
BNA_M
ClientSampleId :
DCFM5DL

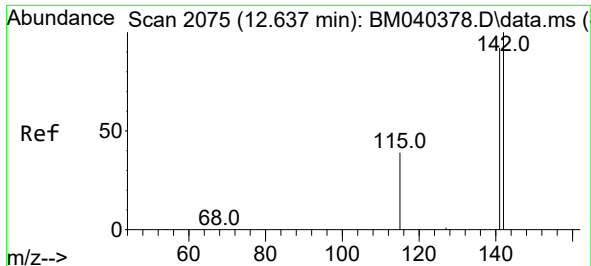
Tgt Ion:128 Resp: 2572
Ion Ratio Lower Upper
128 100
129 20.8 9.2 13.8#
127 17.7 10.6 15.8#



#7
2-Methylnaphthalene
Concen: 0.033 ng/ul
RT: 12.421 min Scan# 2036
Delta R.T. -0.001 min
Lab File: BM040411.D
Acq: 26 Jun 2023 21:02

Tgt Ion:142 Resp: 1280
Ion Ratio Lower Upper
142 100
141 91.6 71.9 107.9

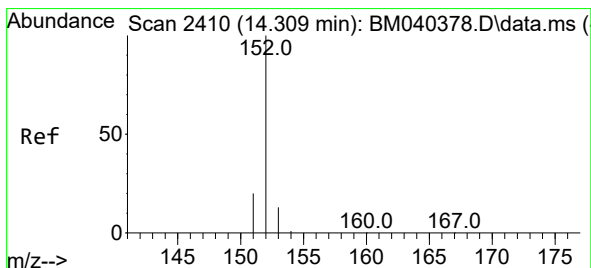
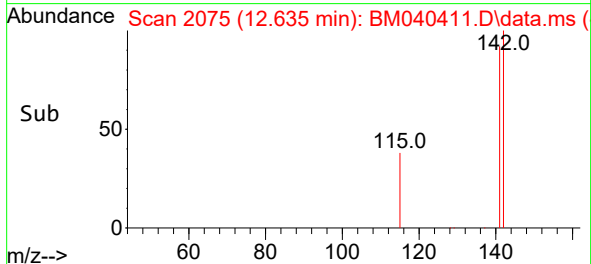
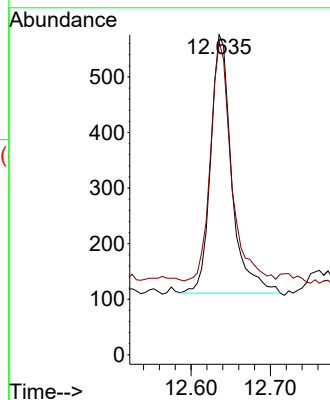
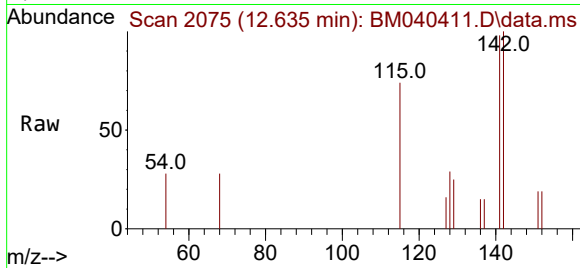




#8
1-Methylnaphthalene
Concen: 0.022 ng/ul
RT: 12.635 min Scan# 2075
Delta R.T. -0.007 min
Lab File: BM040411.D
Acq: 26 Jun 2023 21:02

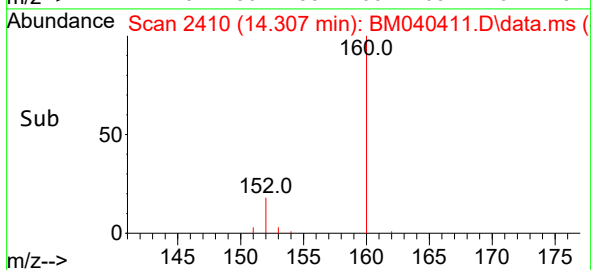
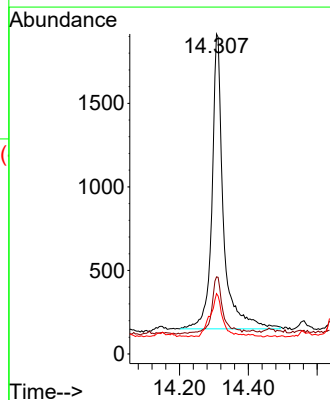
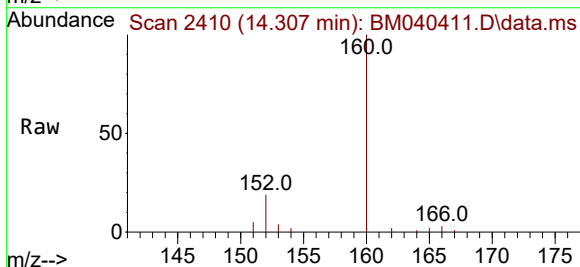
Instrument :
BNA_M
ClientSampleId :
DCFM5DL

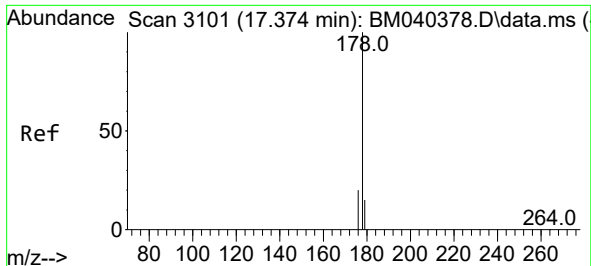
Tgt Ion:142 Resp: 856
Ion Ratio Lower Upper
142 100
141 91.4 73.7 110.5



#10
Acenaphthylene
Concen: 0.093 ng/ul
RT: 14.307 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BM040411.D
Acq: 26 Jun 2023 21:02

Tgt Ion:152 Resp: 4079
Ion Ratio Lower Upper
152 100
151 24.1 16.2 24.2
153 18.9 10.9 16.3#

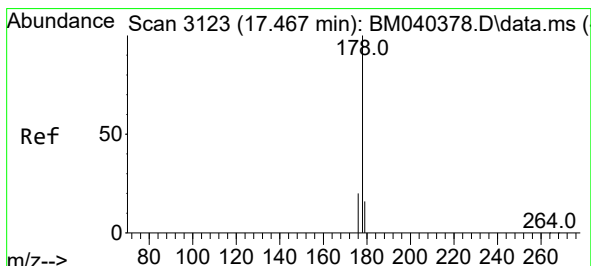
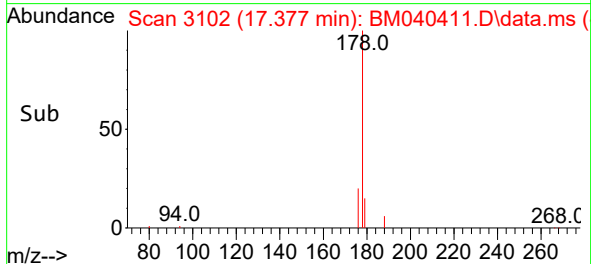
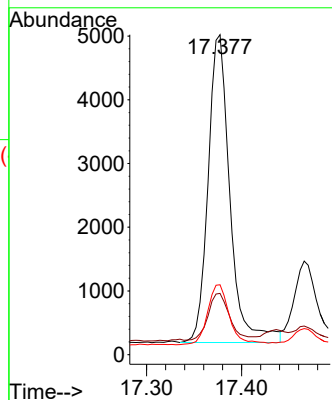
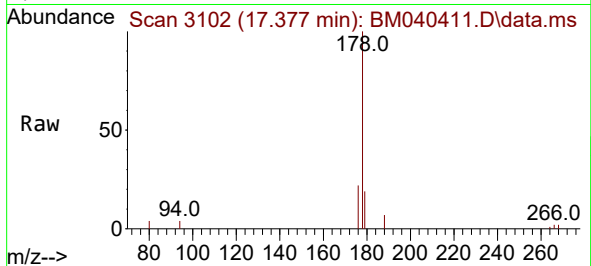




#15
Phenanthrene
Concen: 0.152 ng/ul
RT: 17.377 min Scan# 3102
Delta R.T. -0.001 min
Lab File: BM040411.D
Acq: 26 Jun 2023 21:02

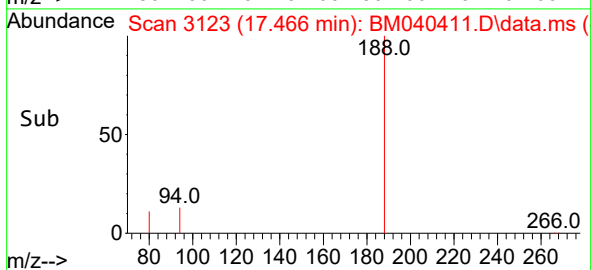
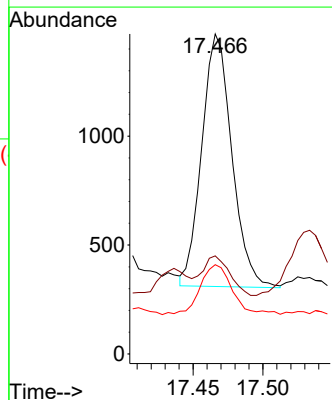
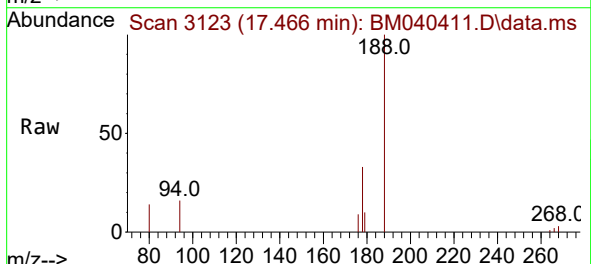
Instrument :
BNA_M
ClientSampleId :
DCFM5DL

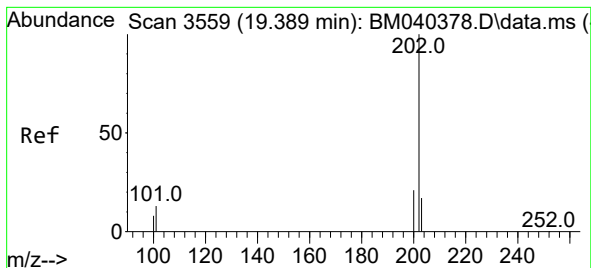
Tgt Ion:178 Resp: 7711
Ion Ratio Lower Upper
178 100
179 19.2 12.8 19.2
176 21.8 16.4 24.6



#16
Anthracene
Concen: 0.041 ng/ul
RT: 17.466 min Scan# 3123
Delta R.T. -0.006 min
Lab File: BM040411.D
Acq: 26 Jun 2023 21:02

Tgt Ion:178 Resp: 1737
Ion Ratio Lower Upper
178 100
179 30.6 12.9 19.3#
176 27.9 15.8 23.6#





#19

Fluoranthene

Concen: 0.367 ng/ul

RT: 19.387 min Scan# 3559

Delta R.T. -0.001 min

Lab File: BM040411.D

Acq: 26 Jun 2023 21:02

Instrument :

BNA_M

ClientSampleId :

DCFM5DL

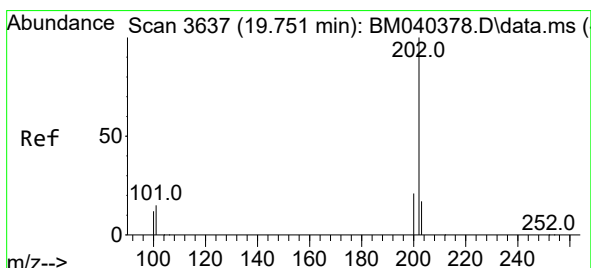
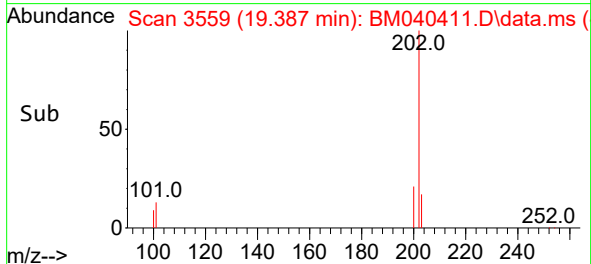
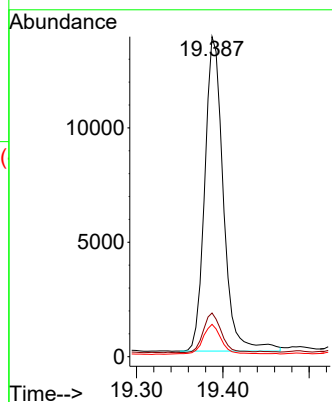
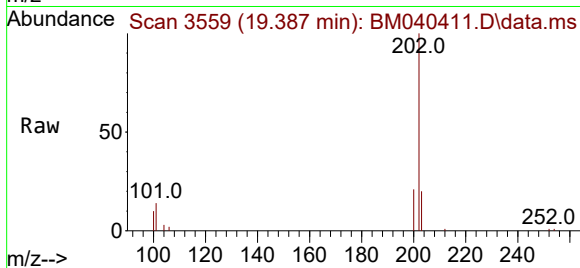
Tgt Ion:202 Resp: 20568

Ion Ratio Lower Upper

202 100

101 13.7 11.4 17.0

100 10.1 8.7 13.1



#20

Pyrene

Concen: 0.301 ng/ul

RT: 19.750 min Scan# 3637

Delta R.T. -0.006 min

Lab File: BM040411.D

Acq: 26 Jun 2023 21:02

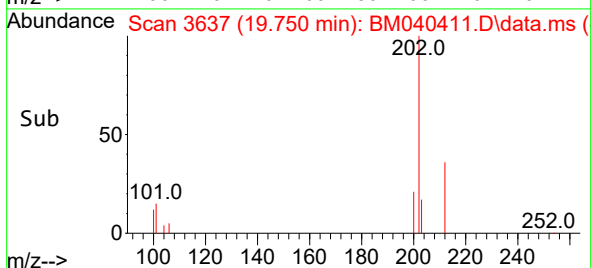
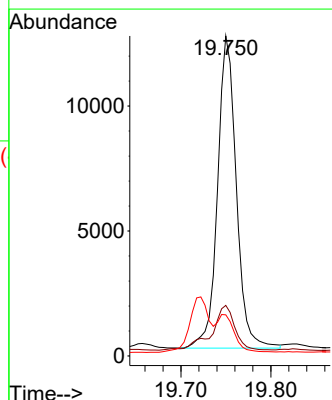
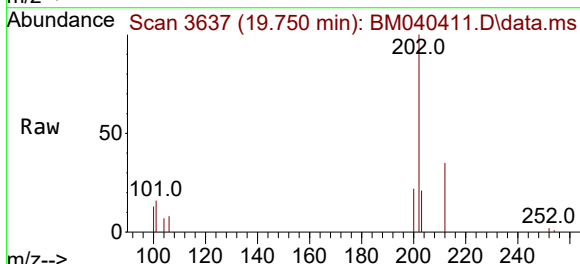
Tgt Ion:202 Resp: 18082

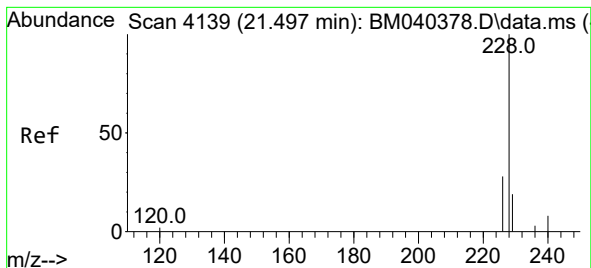
Ion Ratio Lower Upper

202 100

101 15.8 12.6 18.8

100 12.9 9.8 14.6





#21

Benzo(a)anthracene

Concen: 0.233 ng/ul

RT: 21.495 min Scan# 4139

Delta R.T. -0.006 min

Lab File: BM040411.D

Acq: 26 Jun 2023 21:02

Instrument :

BNA_M

ClientSampleId :

DCFM5DL

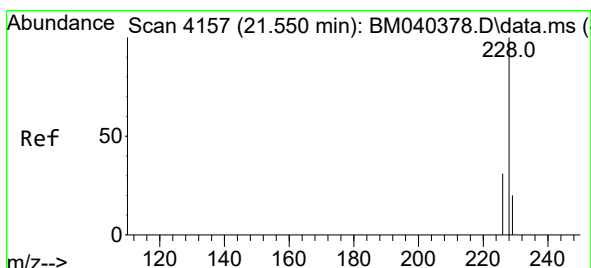
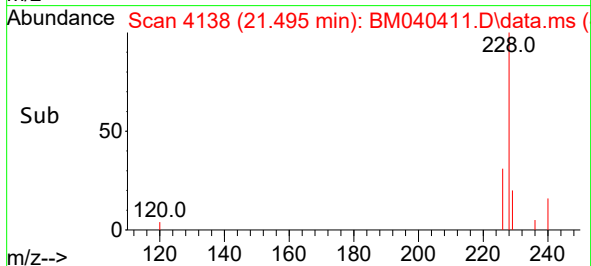
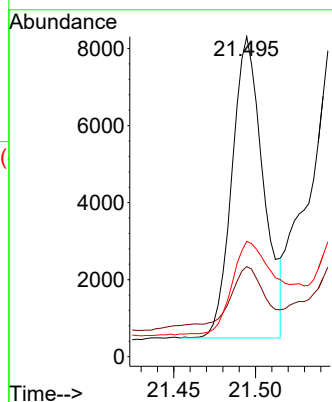
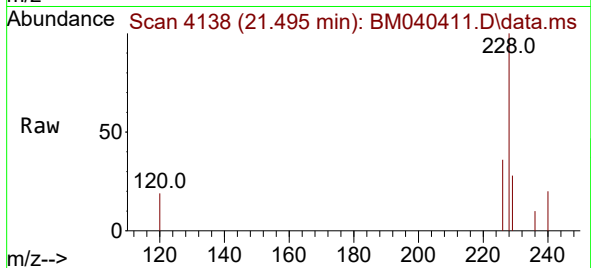
Tgt Ion:228 Resp: 10408

Ion Ratio Lower Upper

228 100

229 28.2 16.0 24.0#

226 36.1 22.3 33.5#



#22

Chrysene

Concen: 0.284 ng/ul

RT: 21.547 min Scan# 4156

Delta R.T. -0.006 min

Lab File: BM040411.D

Acq: 26 Jun 2023 21:02

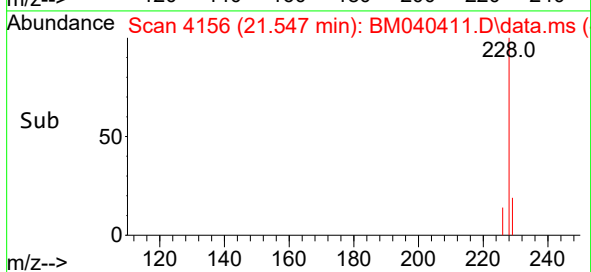
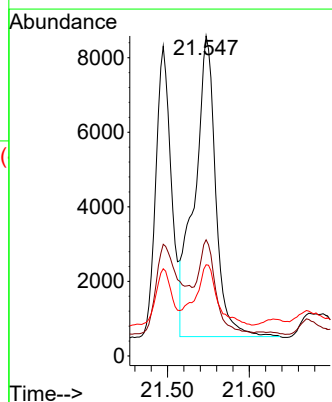
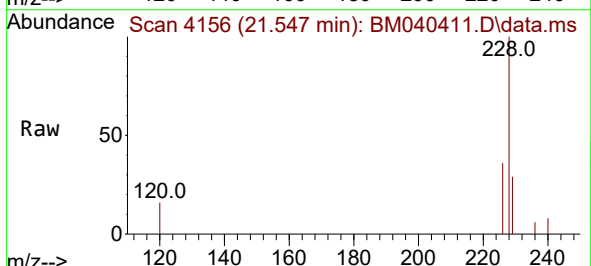
Tgt Ion:228 Resp: 14492

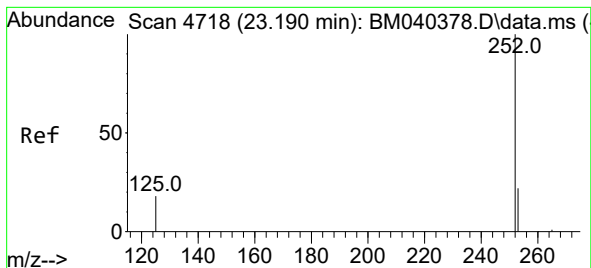
Ion Ratio Lower Upper

228 100

226 36.3 24.9 37.3

229 28.5 15.8 23.6#





#24

Benzo(b)fluoranthene

Concen: 0.373 ng/ul

RT: 23.193 min Scan# 41

Delta R.T. 0.000 min

Lab File: BM040411.D

Acq: 26 Jun 2023 21:02

Instrument :

BNA_M

ClientSampleId :

DCFM5DL

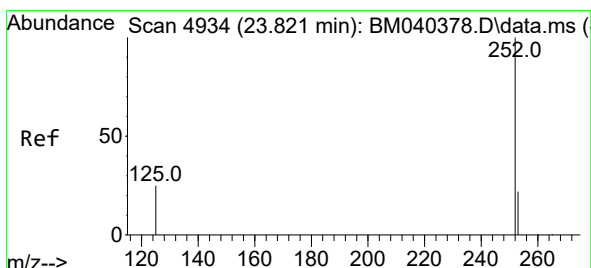
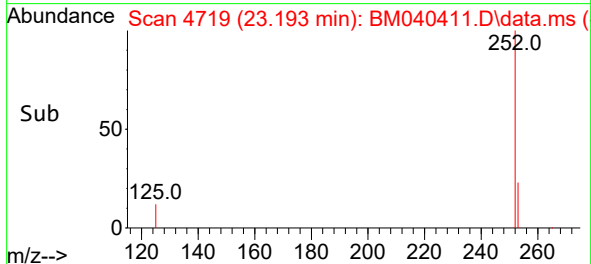
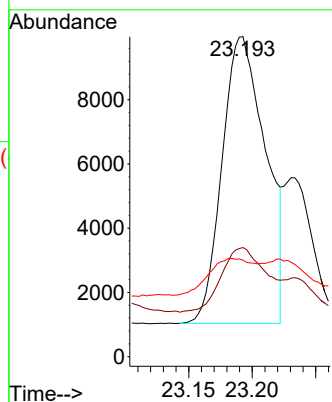
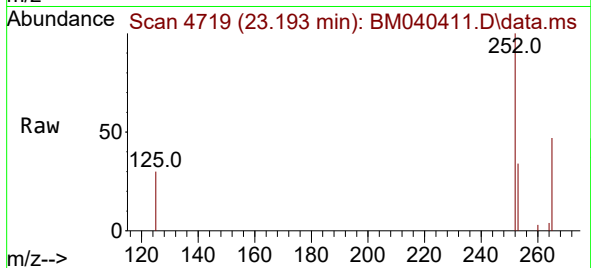
Tgt Ion:252 Resp: 21291

Ion Ratio Lower Upper

252 100

253 34.1 0.0 52.8

125 30.2 0.0 43.0



#26

Benzo(a)pyrene

Concen: 0.242 ng/ul

RT: 23.818 min Scan# 4933

Delta R.T. -0.006 min

Lab File: BM040411.D

Acq: 26 Jun 2023 21:02

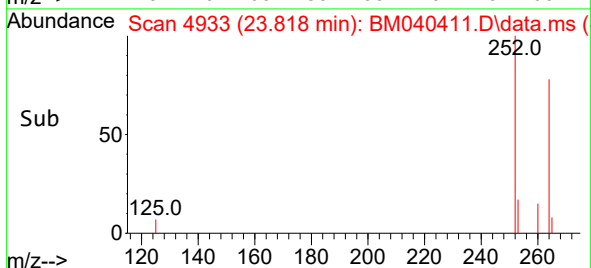
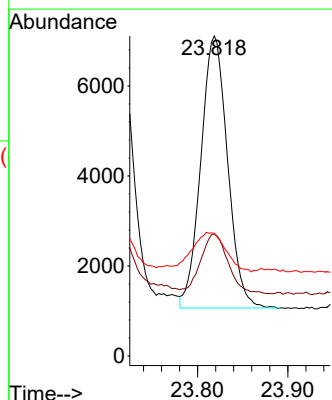
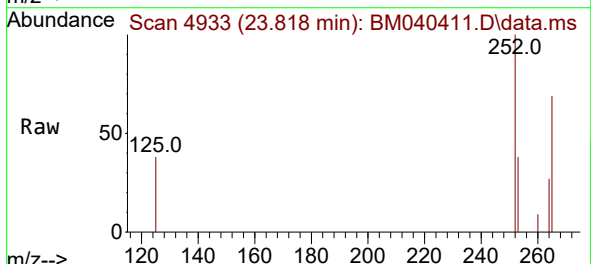
Tgt Ion:252 Resp: 12447

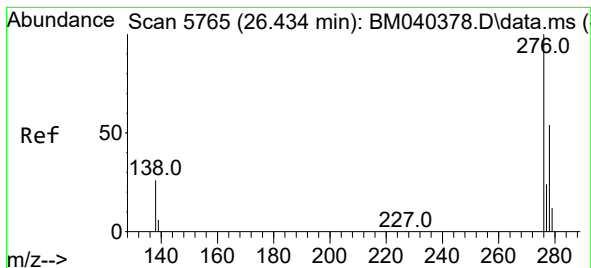
Ion Ratio Lower Upper

252 100

253 38.1 22.9 34.3#

125 38.3 21.0 31.4#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.174 ng/ul

RT: 26.431 min Scan# 5765

Delta R.T. -0.003 min

Lab File: BM040411.D

Acq: 26 Jun 2023 21:02

Instrument :

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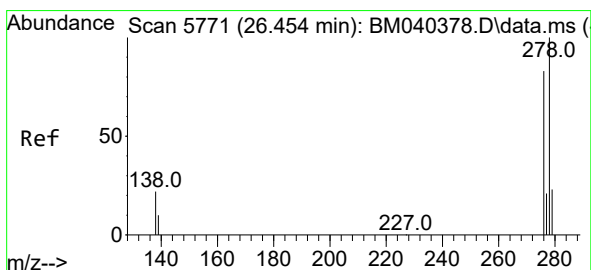
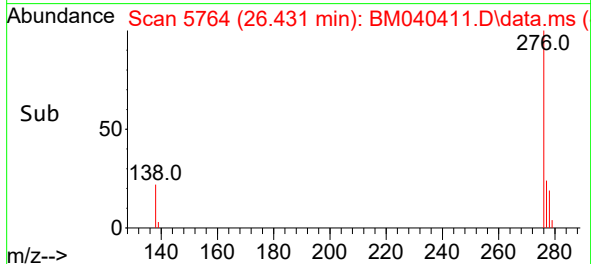
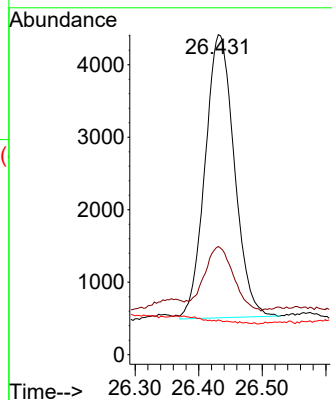
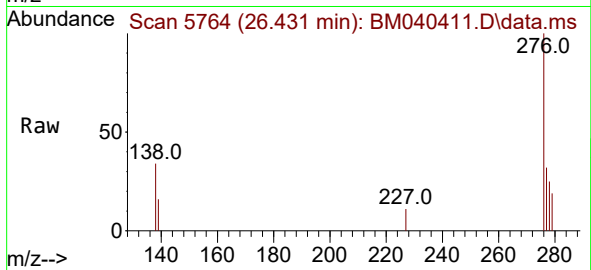
Tgt Ion:276 Resp: 12485

Ion Ratio Lower Upper

276 100

138 22.6 24.5 36.7#

227 0.0 0.1 0.1#



#28

Dibenzo(a,h)anthracene

Concen: 0.055 ng/ul

RT: 26.448 min Scan# 5769

Delta R.T. -0.006 min

Lab File: BM040411.D

Acq: 26 Jun 2023 21:02

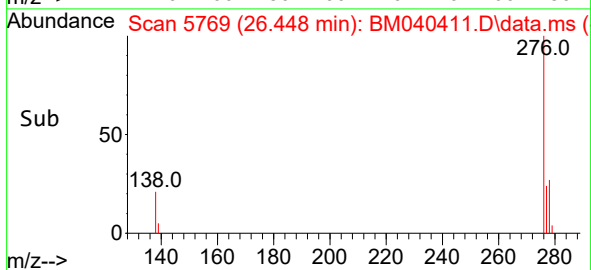
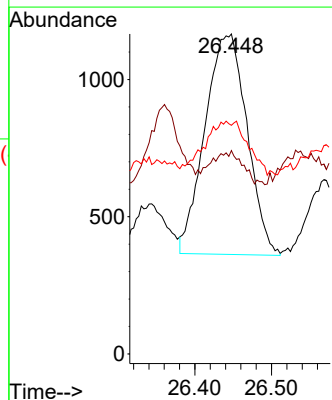
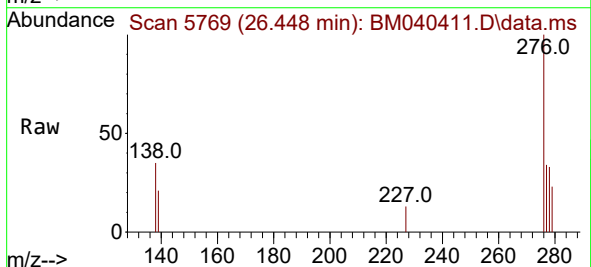
Tgt Ion:278 Resp: 3063

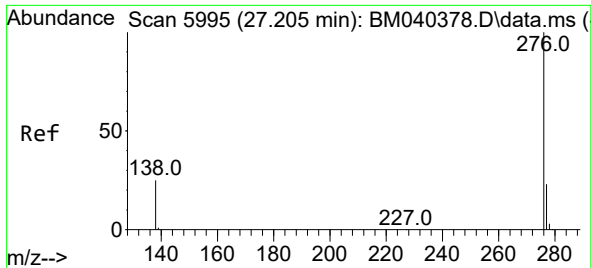
Ion Ratio Lower Upper

278 100

139 63.6 17.9 26.9#

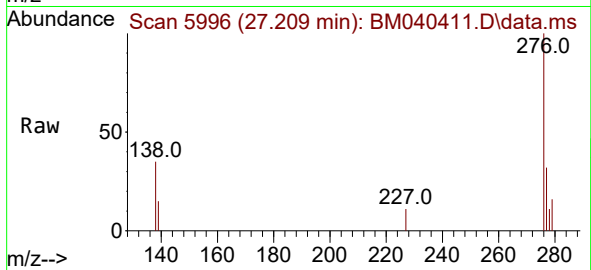
279 71.4 22.0 33.0#





#29
Benzo(g,h,i)perylene
Concen: 0.211 ng/ul
RT: 27.209 min Scan# 51
Delta R.T. 0.004 min
Lab File: BM040411.D
Acq: 26 Jun 2023 21:02

Instrument :
BNA_M
ClientSampleId :
DCFM5DL



Tgt Ion:276 Resp: 13240
Ion Ratio Lower Upper
276 100
138 35.3 23.0 34.6#
277 32.4 20.3 30.5#

