

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062623\
 Data File : BM040410.D
 Acq On : 26 Jun 2023 20:25
 Operator : MA/JU
 Sample : 03084-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFM3RE

Quant Time: Jun 27 04:27:21 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

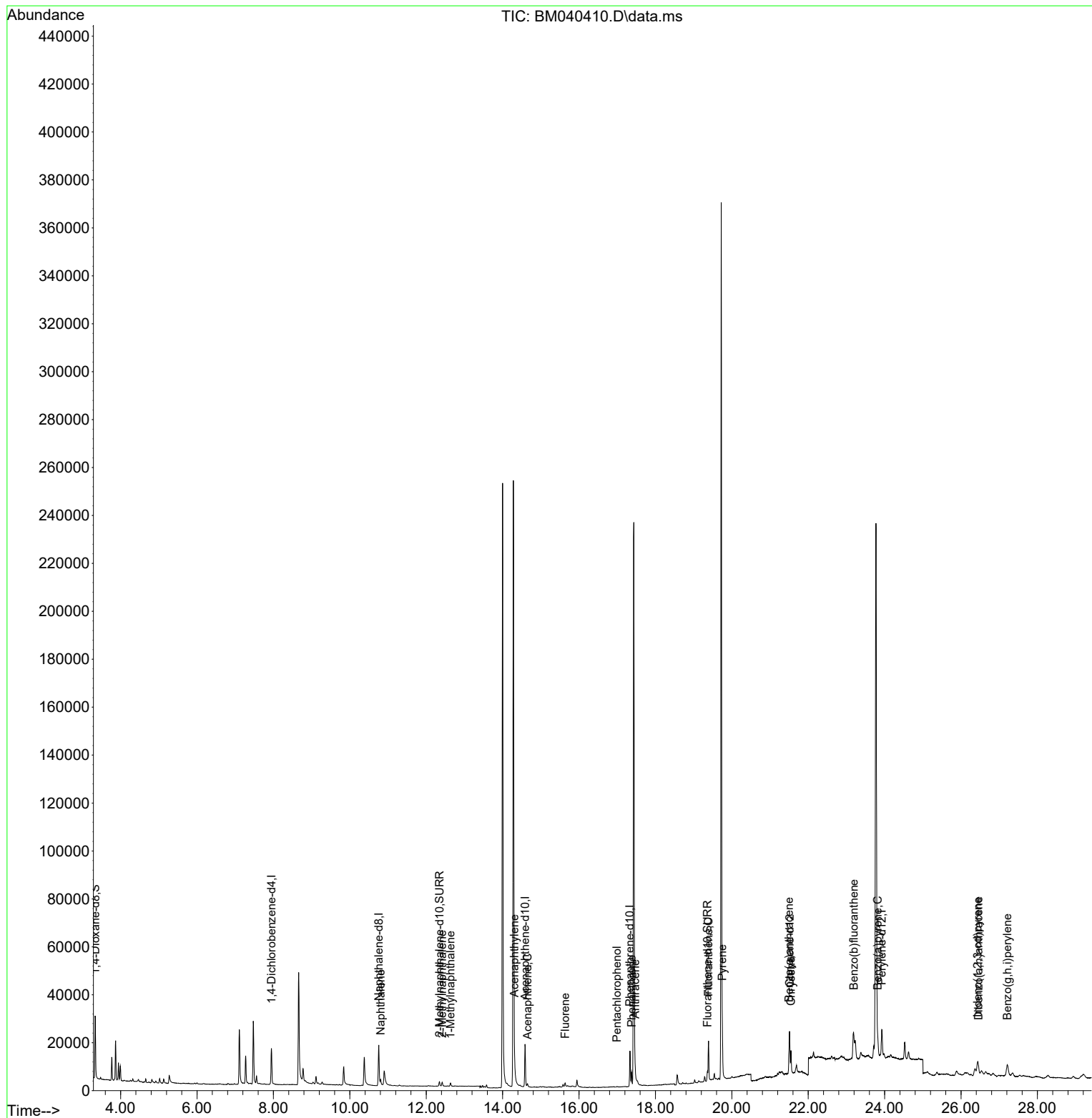
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.949	152	8029	0.400	ng/ul	0.00
4) Naphthalene-d8	10.756	136	25719	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.586	164	10396	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.332	188	17950	0.400	ng/ul	0.00
17) Chrysene-d12	21.512	240	13797	0.400	ng/ul	0.00
23) Perylene-d12	23.926	264	16578	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.338	96	15365	1.218	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.345	152	2981	0.083	ng/ul	0.00
18) Fluoranthene-d10	19.361	212	4064	0.092	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.806	128	2990	0.042	ng/ul#	82
7) 2-Methylnaphthalene	12.417	142	1396	0.034	ng/ul	99
8) 1-Methylnaphthalene	12.637	142	1069	0.026	ng/ul	98
10) Acenaphthylene	14.309	152	6056	0.130	ng/ul#	90
11) Acenaphthene	14.651	153	913	0.023	ng/ul#	88
12) Fluorene	15.637	166	1452	0.035	ng/ul#	87
14) Pentachlorophenol	16.990	266	215	0.062	ng/ul#	91
15) Phenanthrene	17.374	178	6338	0.114	ng/ul#	91
16) Anthracene	17.467	178	1713	0.037	ng/ul#	70
19) Fluoranthene	19.389	202	14747	0.252	ng/ul	99
20) Pyrene	19.751	202	12421	0.198	ng/ul	95
21) Benzo(a)anthracene	21.497	228	7738	0.166	ng/ul#	61
22) Chrysene	21.547	228	9906	0.186	ng/ul#	71
24) Benzo(b)fluoranthene	23.192	252	15569	0.243	ng/ul#	55
26) Benzo(a)pyrene	23.818	252	9083	0.157	ng/ul#	49
27) Indeno(1,2,3-cd)pyrene	26.434	276	11407	0.142	ng/ul#	81
28) Dibenzo(a,h)anthracene	26.454	278	3691	0.059	ng/ul#	1
29) Benzo(g,h,i)perylene	27.212	276	11661	0.165	ng/ul#	71

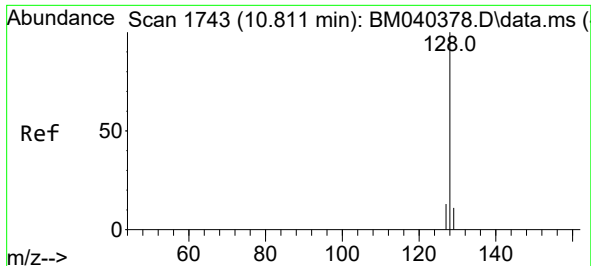
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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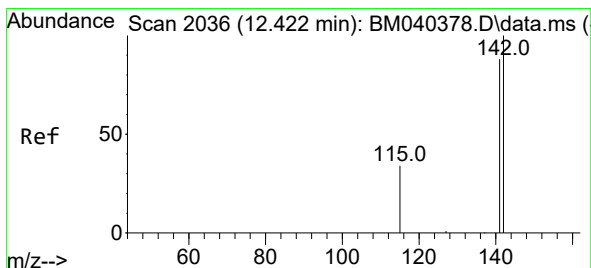
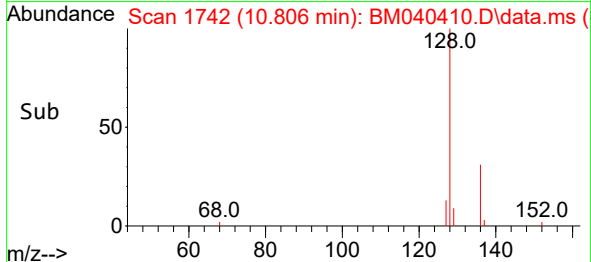
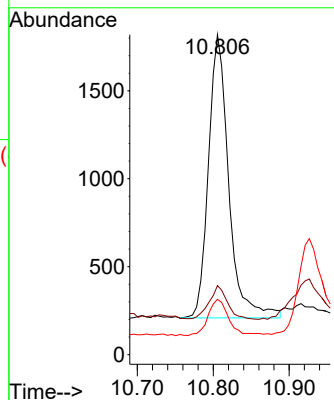
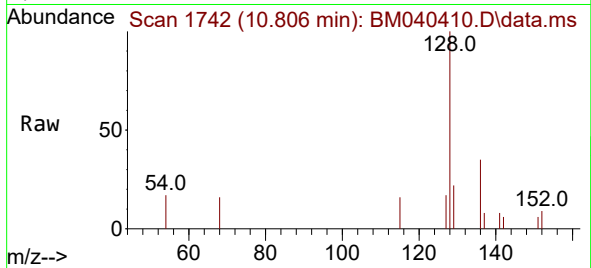




#5
Naphthalene
Concen: 0.042 ng/ul
RT: 10.806 min Scan# 1742
Delta R.T. -0.006 min
Lab File: BM040410.D
Acq: 26 Jun 2023 20:25

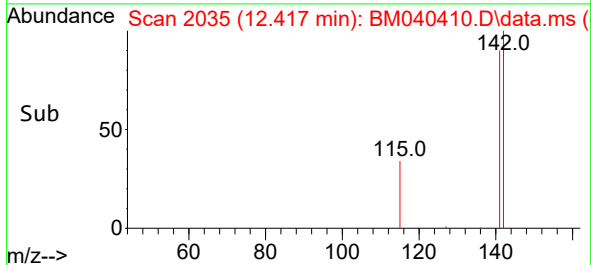
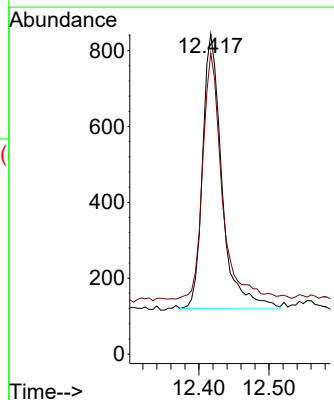
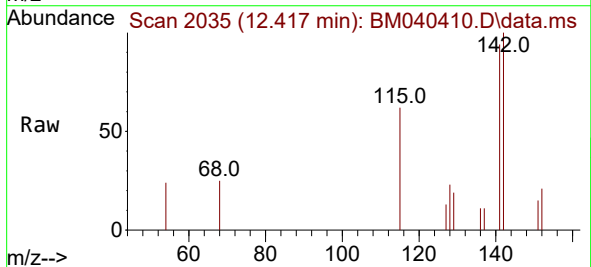
Instrument :
BNA_M
ClientSampleId :
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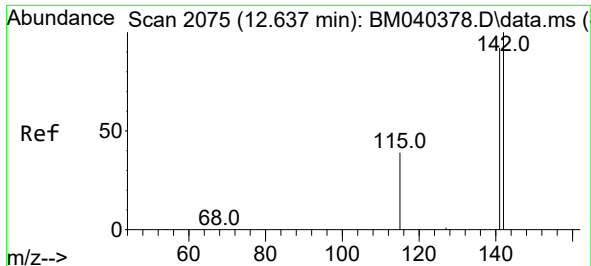
Tgt Ion:128 Resp: 2990
Ion Ratio Lower Upper
128 100
129 21.6 9.2 13.8#
127 17.3 10.6 15.8#



#7
2-Methylnaphthalene
Concen: 0.034 ng/ul
RT: 12.417 min Scan# 2035
Delta R.T. -0.005 min
Lab File: BM040410.D
Acq: 26 Jun 2023 20:25

Tgt Ion:142 Resp: 1396
Ion Ratio Lower Upper
142 100
141 89.0 71.9 107.9

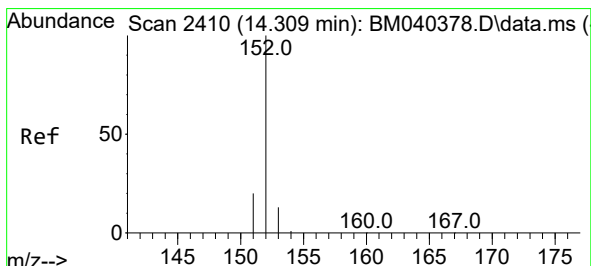
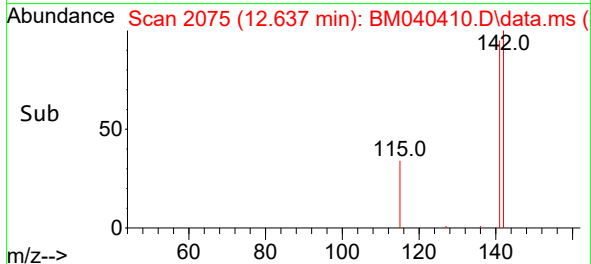
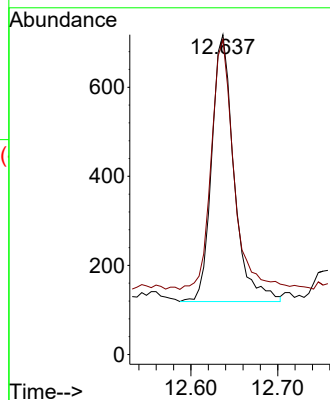
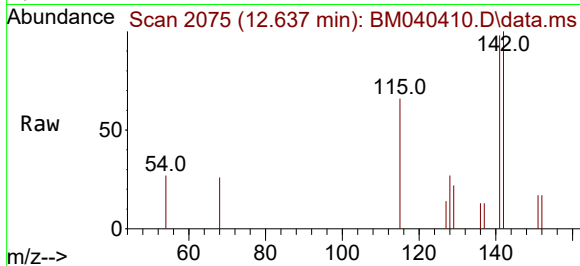




#8
1-Methylnaphthalene
Concen: 0.026 ng/ul
RT: 12.637 min Scan# 2075
Delta R.T. -0.006 min
Lab File: BM040410.D
Acq: 26 Jun 2023 20:25

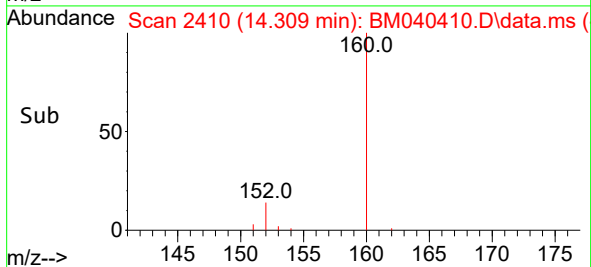
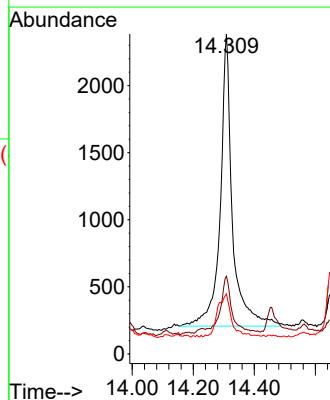
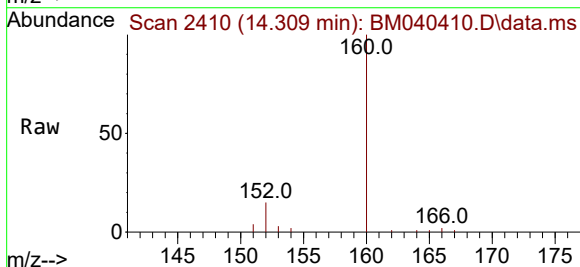
Instrument :
BNA_M
ClientSampleId :
DCFM3RE

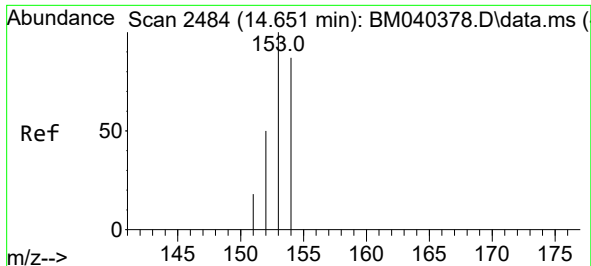
Tgt Ion:142 Resp: 1069
Ion Ratio Lower Upper
142 100
141 94.4 73.7 110.5



#10
Acenaphthylene
Concen: 0.130 ng/ul
RT: 14.309 min Scan# 2410
Delta R.T. -0.005 min
Lab File: BM040410.D
Acq: 26 Jun 2023 20:25

Tgt Ion:152 Resp: 6056
Ion Ratio Lower Upper
152 100
151 24.3 16.2 24.2#
153 18.7 10.9 16.3#

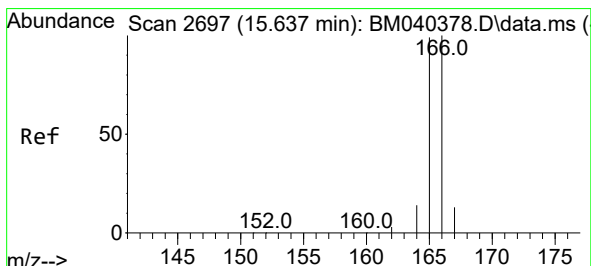
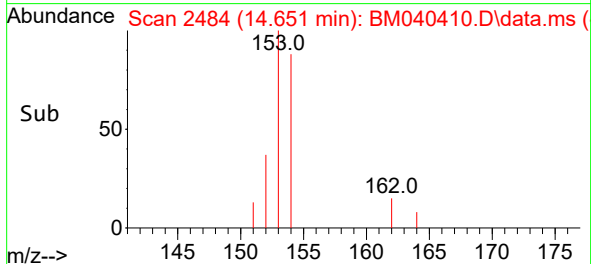
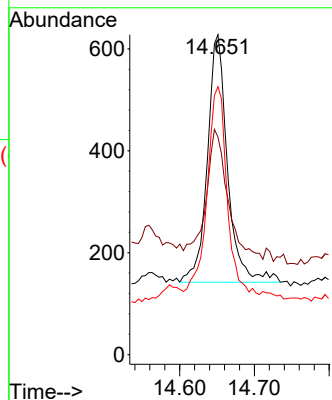
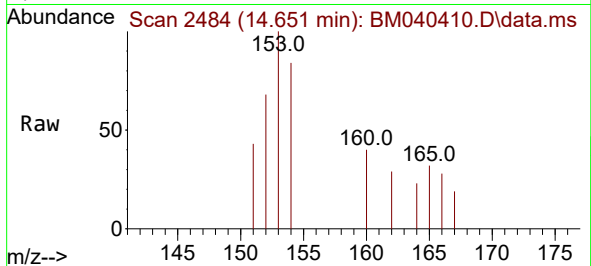




#11
Acenaphthene
Concen: 0.023 ng/ul
RT: 14.651 min Scan# 2484
Delta R.T. -0.005 min
Lab File: BM040410.D
Acq: 26 Jun 2023 20:25

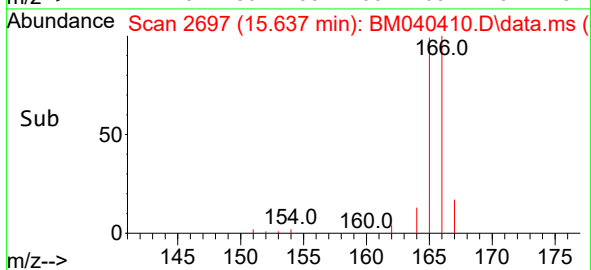
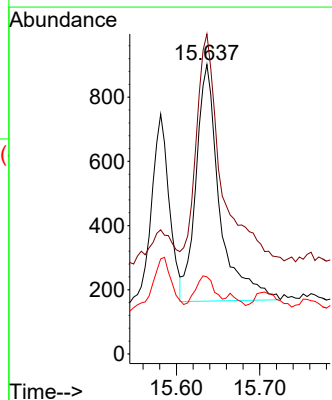
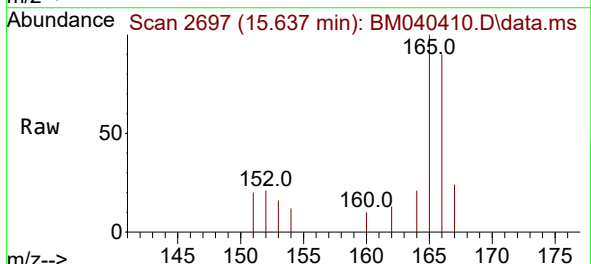
Instrument :
BNA_M
ClientSampleId :
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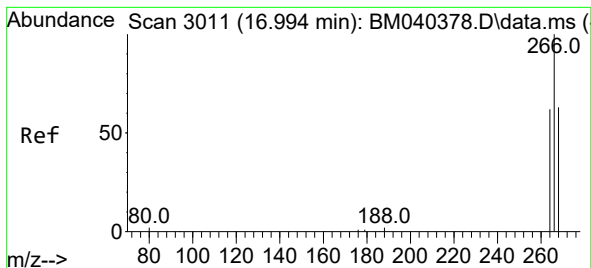
Tgt Ion:153 Resp: 913
Ion Ratio Lower Upper
153 100
152 68.0 41.0 61.4#
154 83.8 70.8 106.2



#12
Fluorene
Concen: 0.035 ng/ul
RT: 15.637 min Scan# 2697
Delta R.T. -0.005 min
Lab File: BM040410.D
Acq: 26 Jun 2023 20:25

Tgt Ion:166 Resp: 1452
Ion Ratio Lower Upper
166 100
165 110.5 79.6 119.4
167 26.6 11.4 17.0#





#14

Pentachlorophenol

Concen: 0.062 ng/ul

RT: 16.990 min Scan# 3011

Delta R.T. -0.021 min

Lab File: BM040410.D

Acq: 26 Jun 2023 20:25

Instrument :

BNA_M

ClientSampleId :

DCFM3RE

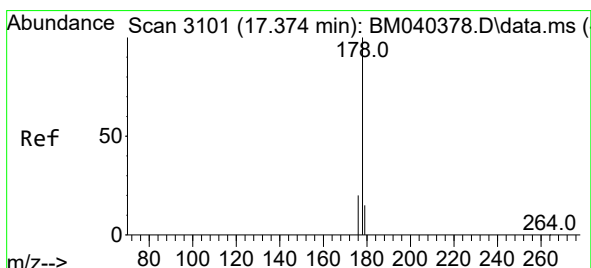
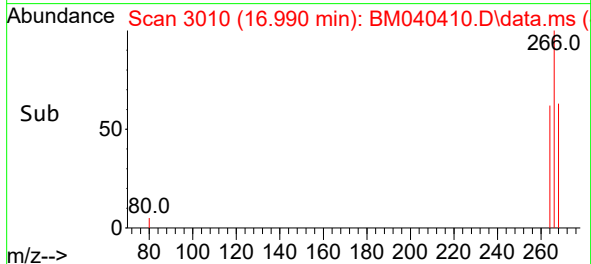
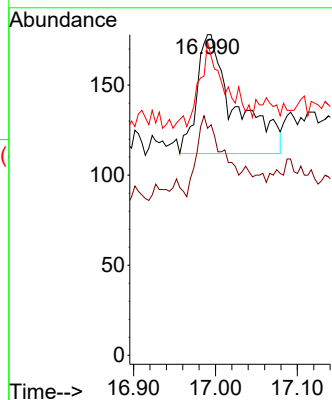
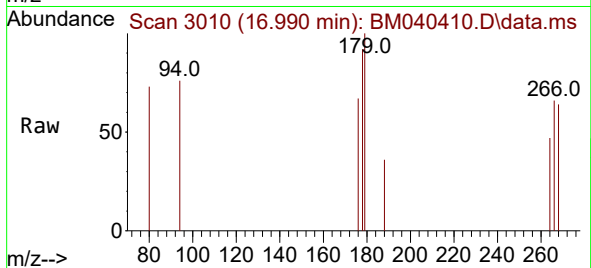
Tgt Ion:266 Resp: 215

Ion Ratio Lower Upper

266 100

264 57.7 45.4 68.0

268 47.0 47.2 70.8#



#15

Phenanthrene

Concen: 0.114 ng/ul

RT: 17.374 min Scan# 3101

Delta R.T. -0.004 min

Lab File: BM040410.D

Acq: 26 Jun 2023 20:25

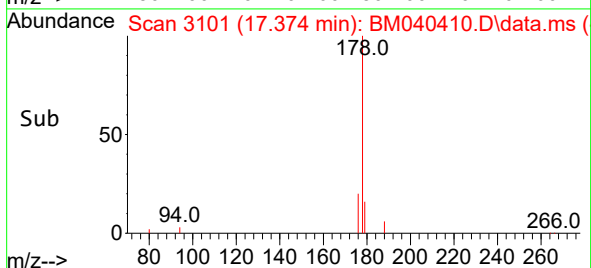
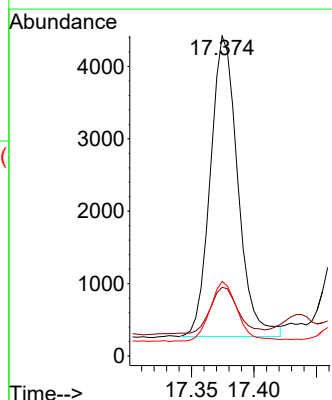
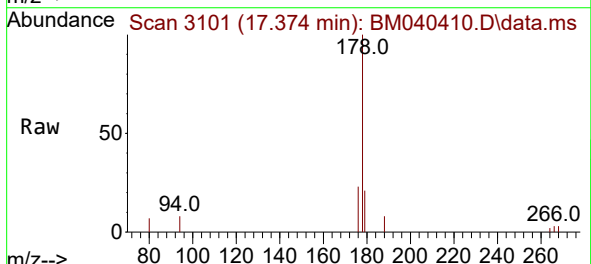
Tgt Ion:178 Resp: 6338

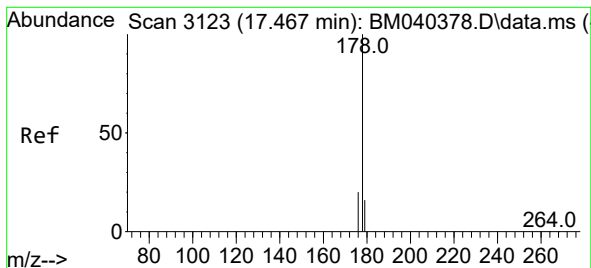
Ion Ratio Lower Upper

178 100

179 21.5 12.8 19.2#

176 23.3 16.4 24.6





#16

Anthracene

Concen: 0.037 ng/ul

RT: 17.467 min Scan# 3123

Delta R.T. -0.004 min

Lab File: BM040410.D

Acq: 26 Jun 2023 20:25

Instrument :

BNA_M

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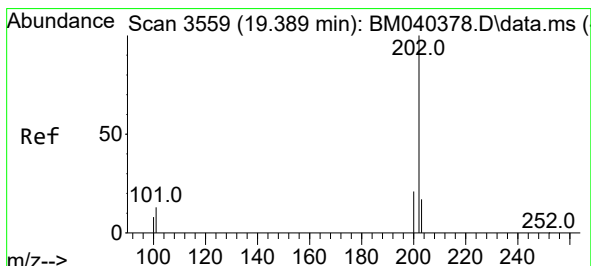
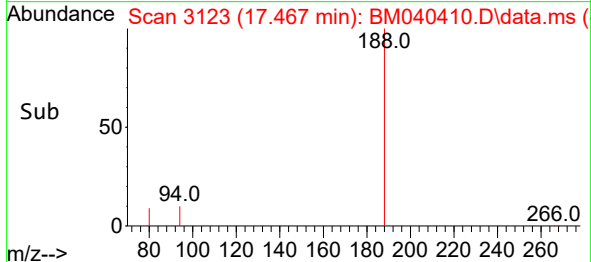
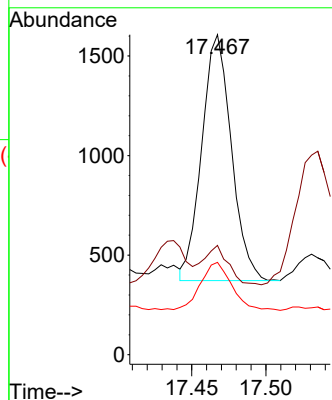
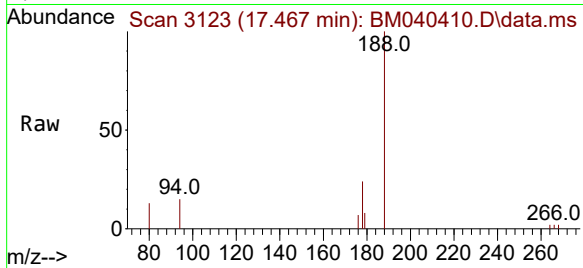
Tgt Ion:178 Resp: 1713

Ion Ratio Lower Upper

178 100

179 34.2 12.9 19.3#

176 28.9 15.8 23.6#



#19

Fluoranthene

Concen: 0.252 ng/ul

RT: 19.389 min Scan# 3559

Delta R.T. 0.000 min

Lab File: BM040410.D

Acq: 26 Jun 2023 20:25

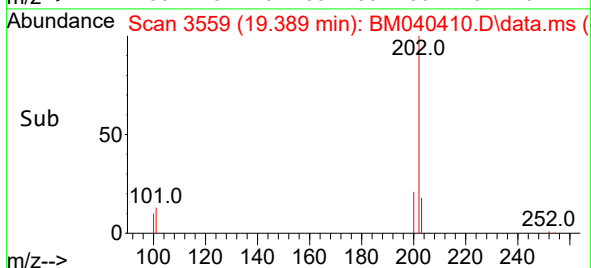
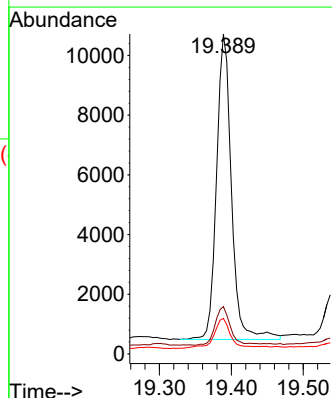
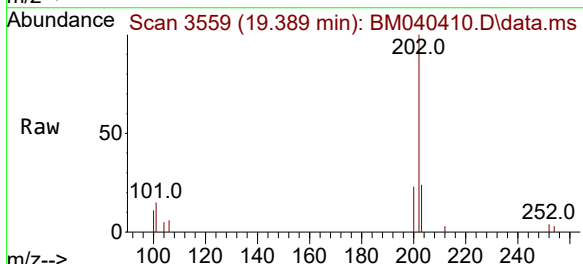
Tgt Ion:202 Resp: 14747

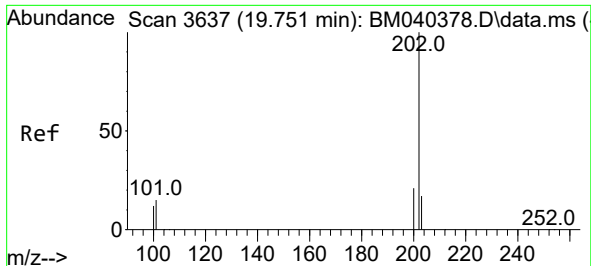
Ion Ratio Lower Upper

202 100

101 14.8 11.4 17.0

100 11.1 8.7 13.1

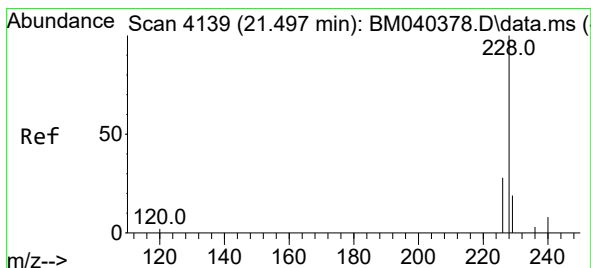
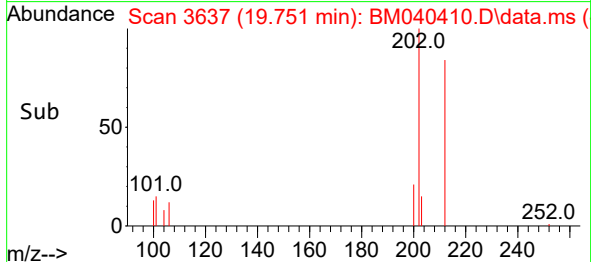
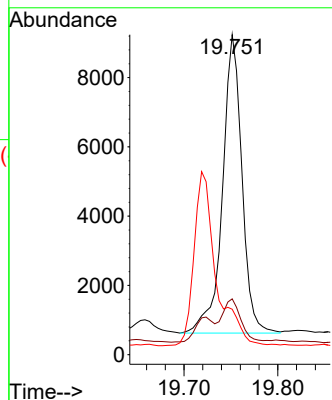
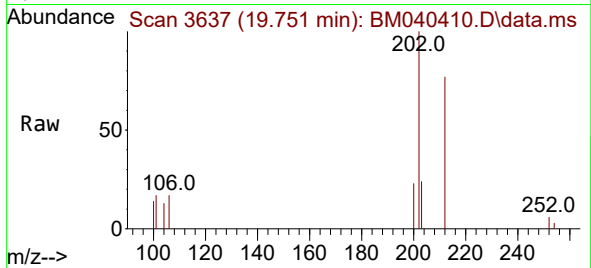




#20
Pyrene
Concen: 0.198 ng/ul
RT: 19.751 min Scan# 3637
Delta R.T. -0.005 min
Lab File: BM040410.D
Acq: 26 Jun 2023 20:25

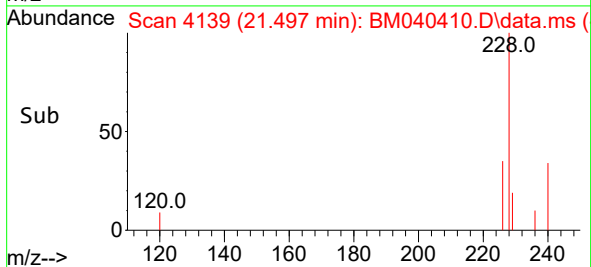
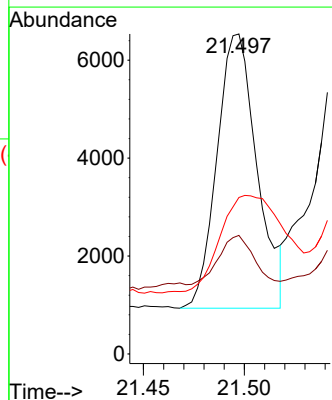
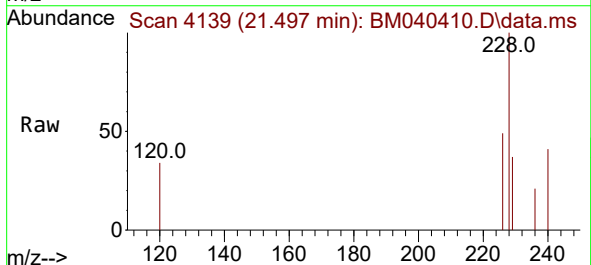
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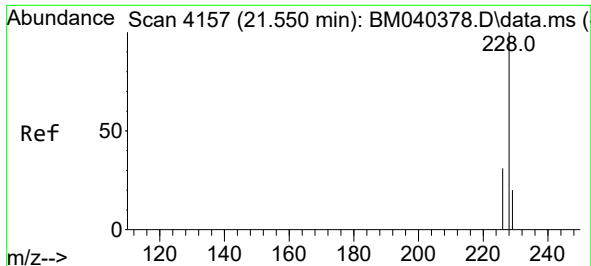
Tgt Ion:	202	Resp:	12421
Ion Ratio	Lower	Upper	
202	100		
101	17.5	12.6	18.8
100	14.2	9.8	14.6



#21
Benzo(a)anthracene
Concen: 0.166 ng/ul
RT: 21.497 min Scan# 4139
Delta R.T. -0.003 min
Lab File: BM040410.D
Acq: 26 Jun 2023 20:25

Tgt Ion:	228	Resp:	7738
Ion Ratio	Lower	Upper	
228	100		
229	37.1	16.0	24.0#
226	48.9	22.3	33.5#





#22

Chrysene

Concen: 0.186 ng/ul

RT: 21.547 min Scan# 4157

Delta R.T. -0.006 min

Lab File: BM040410.D

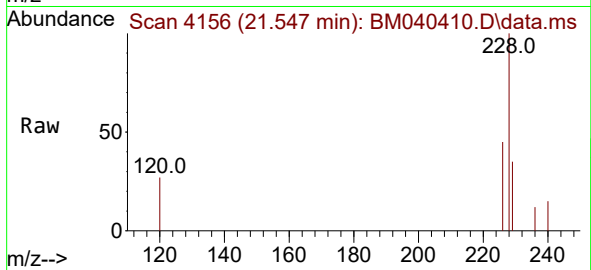
Acq: 26 Jun 2023 20:25

Instrument :

BNA_M

ClientSampleId :

DCFM3RE



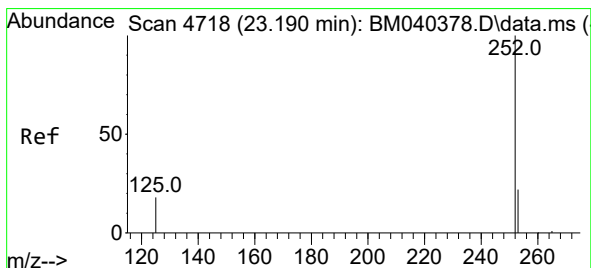
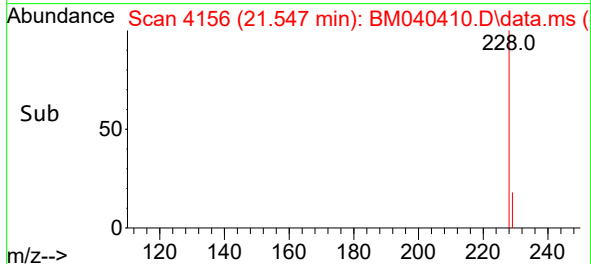
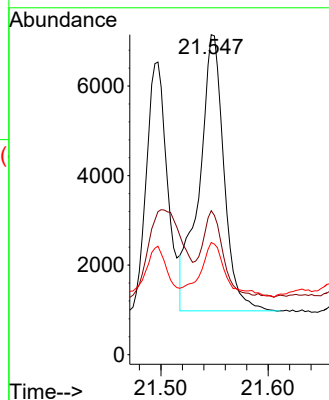
Tgt Ion:228 Resp: 9906

Ion Ratio Lower Upper

228 100

226 45.0 24.9 37.3#

229 35.1 15.8 23.6#



#24

Benzo(b)fluoranthene

Concen: 0.243 ng/ul

RT: 23.192 min Scan# 4719

Delta R.T. 0.000 min

Lab File: BM040410.D

Acq: 26 Jun 2023 20:25

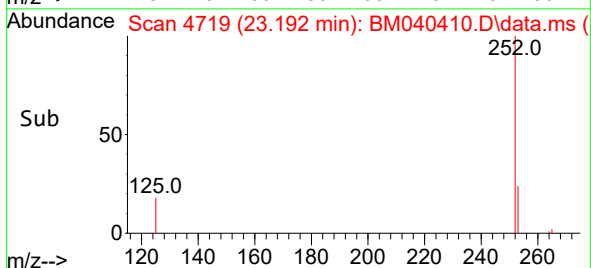
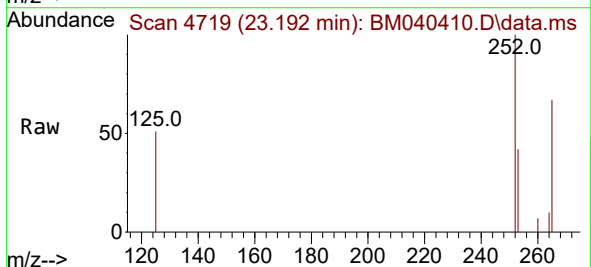
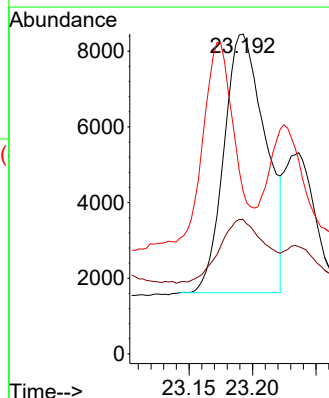
Tgt Ion:252 Resp: 15569

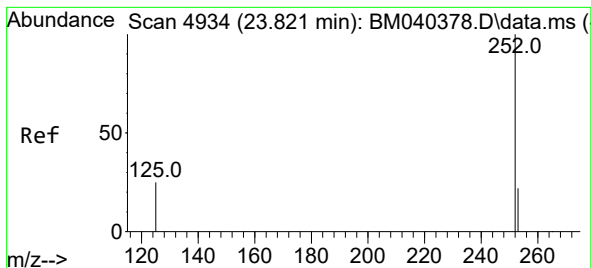
Ion Ratio Lower Upper

252 100

253 42.0 0.0 52.8

125 50.9 0.0 43.0#





#26

Benzo(a)pyrene

Concen: 0.157 ng/ul

RT: 23.818 min Scan# 4933

Delta R.T. -0.006 min

Lab File: BM040410.D

Acq: 26 Jun 2023 20:25

Instrument :

BNA_M

ClientSampleId :

DCFM3RE

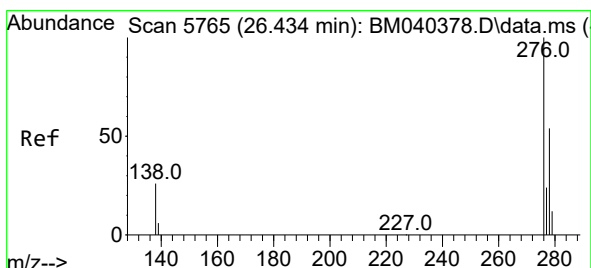
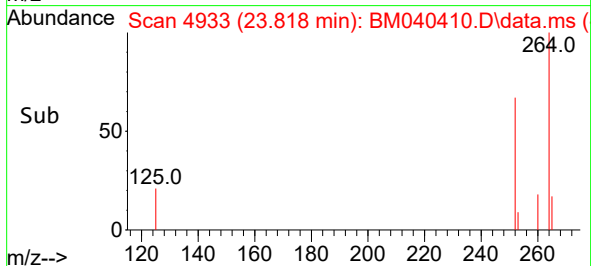
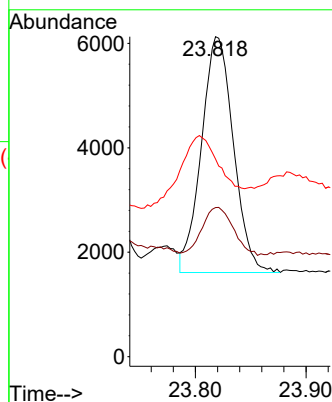
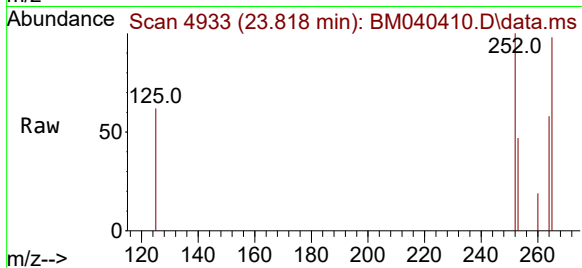
Tgt Ion:252 Resp: 9083

Ion Ratio Lower Upper

252 100

253 46.6 22.9 34.3#

125 61.7 21.0 31.4#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.142 ng/ul

RT: 26.434 min Scan# 5765

Delta R.T. 0.000 min

Lab File: BM040410.D

Acq: 26 Jun 2023 20:25

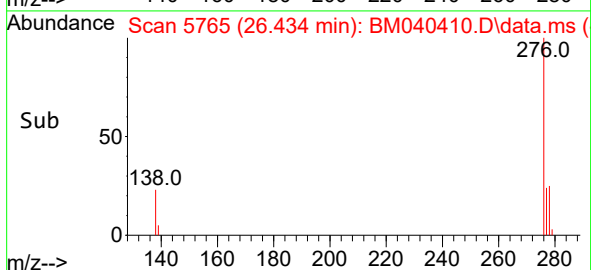
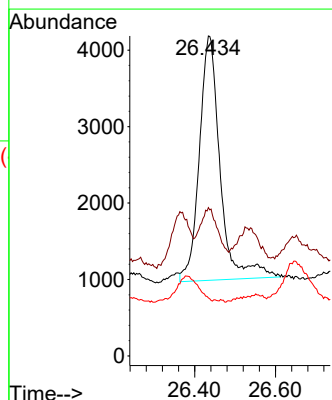
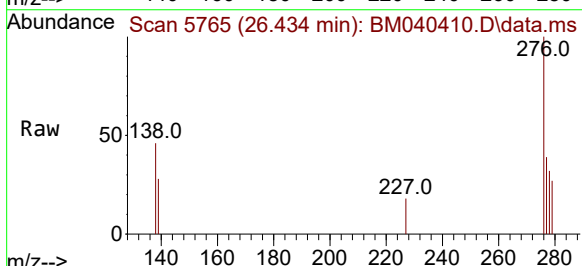
Tgt Ion:276 Resp: 11407

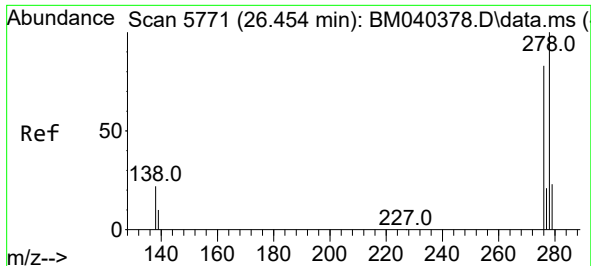
Ion Ratio Lower Upper

276 100

138 20.4 24.5 36.7#

227 0.0 0.1 0.1#

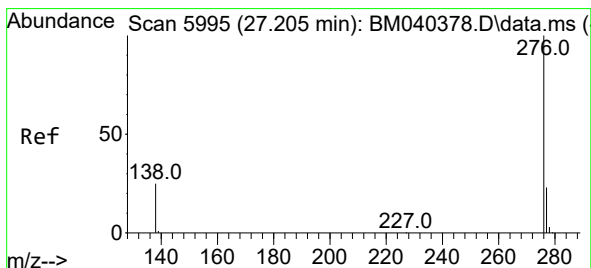
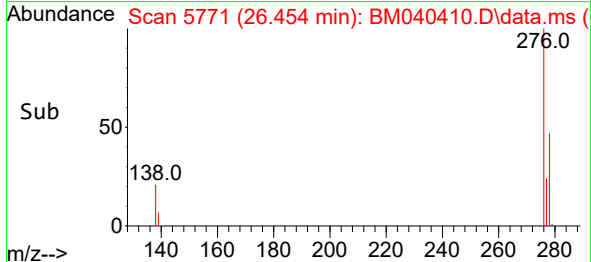
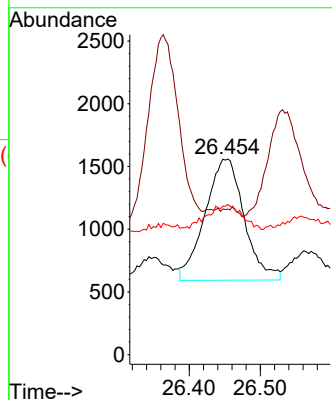
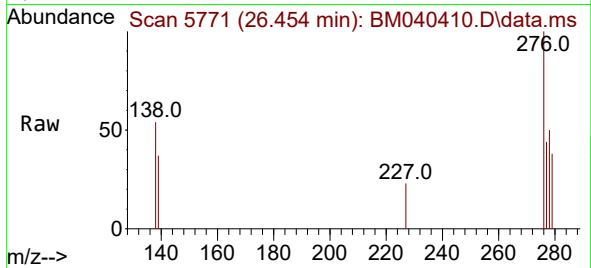




#28
Dibenzo(a,h)anthracene
Concen: 0.059 ng/ul
RT: 26.454 min Scan# 51
Delta R.T. 0.000 min
Lab File: BM040410.D
Acq: 26 Jun 2023 20:25

Instrument :
BNA_M
ClientSampleId :
DCFM3RE

Tgt Ion:278 Resp: 3691
Ion Ratio Lower Upper
278 100
139 74.4 17.9 26.9#
279 76.8 22.0 33.0#



#29
Benzo(g,h,i)perylene
Concen: 0.165 ng/ul
RT: 27.212 min Scan# 5997
Delta R.T. 0.007 min
Lab File: BM040410.D
Acq: 26 Jun 2023 20:25

Tgt Ion:276 Resp: 11661
Ion Ratio Lower Upper
276 100
138 45.8 23.0 34.6#
277 38.0 20.3 30.5#

