

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM063023\
 Data File : BM040481.D
 Acq On : 30 Jun 2023 20:54
 Operator : MA/JU
 Sample : 03162-16
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFX2

Quant Time: Jul 01 03:04:57 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 : Sat Jul 01 03:00:05 2023
 Response via : Initial Calibration

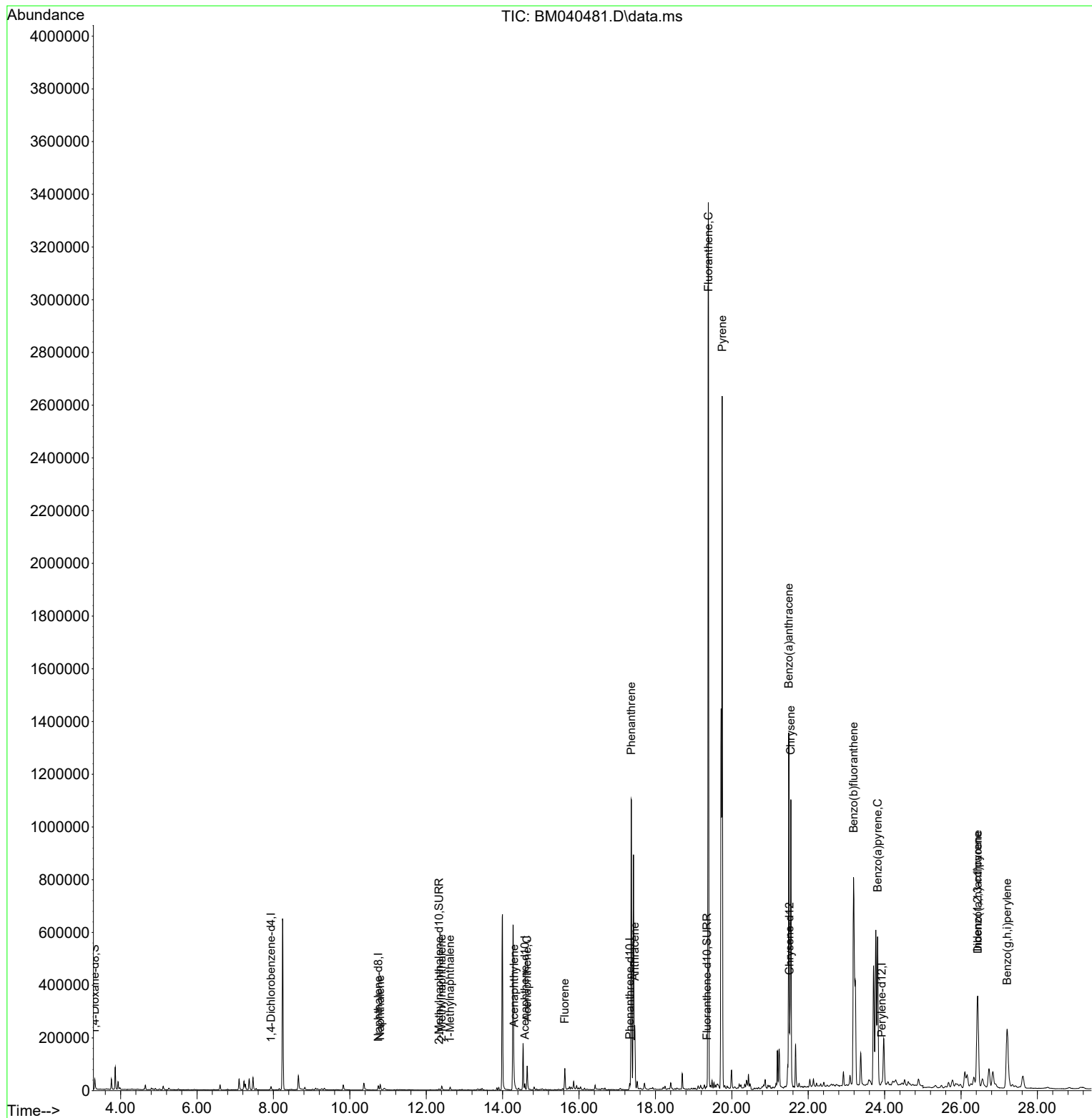
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.936	152	6393	0.400	ng/ul	0.00
4) Naphthalene-d8	10.745	136	24448	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.582	164	12810	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.324	188	27468	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.509	240	17073	0.400	ng/ul	0.00
23) Perylene-d12	23.923	264	19331	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.325	96	24923	2.482	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.334	152	6312	0.184	ng/ul	0.00
18) Fluoranthene-d10	19.352	212	13264	0.242	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.794	128	31023	0.460	ng/ul	99
7) 2-Methylnaphthalene	12.406	142	12237	0.309	ng/ul	99
8) 1-Methylnaphthalene	12.626	142	8218	0.208	ng/ul	100
10) Acenaphthylene	14.299	152	32990	0.576	ng/ul	98
11) Acenaphthene	14.642	153	52352	1.083	ng/ul	98
12) Fluorene	15.627	166	51722	1.003	ng/ul	99
15) Phenanthrene	17.366	178	1255469	14.715	ng/ul	99
16) Anthracene	17.459	178	242129	3.377	ng/ul	99
19) Fluoranthene	19.384	202	2817991	38.857	ng/ul#	94
20) Pyrene	19.747	202	2170324	27.914	ng/ul	96
21) Benzo(a)anthracene	21.491	228	1136884	19.686	ng/ul	99
22) Chrysene	21.544	228	1050859	15.952	ng/ul	98
24) Benzo(b)fluoranthene	23.186	252	1437927	19.221	ng/ul	88
26) Benzo(a)pyrene	23.815	252	823167	12.215	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	26.434	276	636101	6.778	ng/ul#	84
28) Dibenzo(a,h)anthracene	26.437	278	159226	2.167	ng/ul	95
29) Benzo(g,h,i)perylene	27.208	276	568240	6.908	ng/ul	94

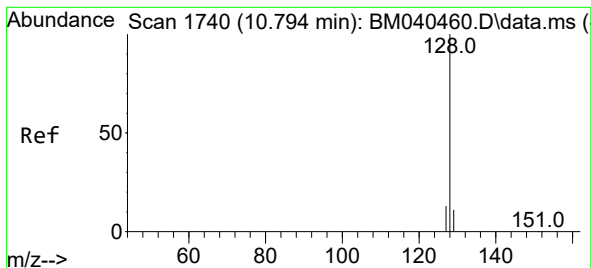
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.460 ng/ul

RT: 10.794 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM040481.D

Acq: 30 Jun 2023 20:54

Instrument :

BNA_M

ClientSampleId :

DCFX2

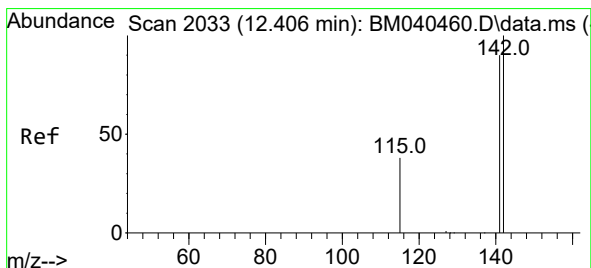
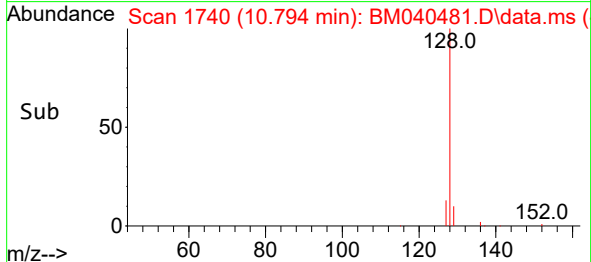
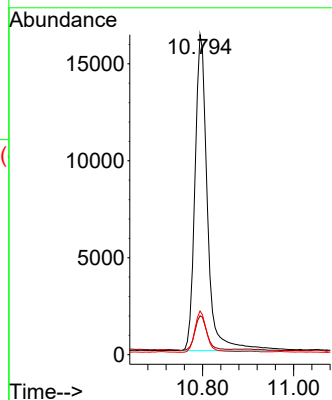
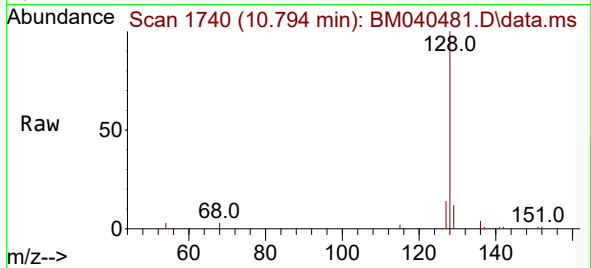
Tgt Ion:128 Resp: 31023

Ion Ratio Lower Upper

128 100

129 12.2 9.2 13.8

127 13.6 10.6 15.8



#7

2-Methylnaphthalene

Concen: 0.309 ng/ul

RT: 12.406 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BM040481.D

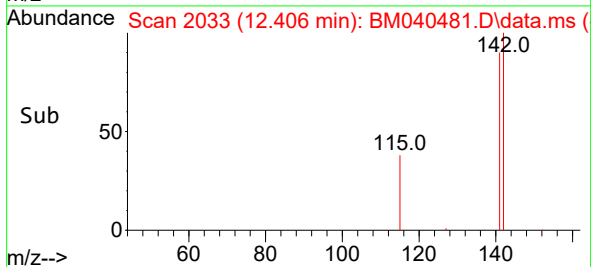
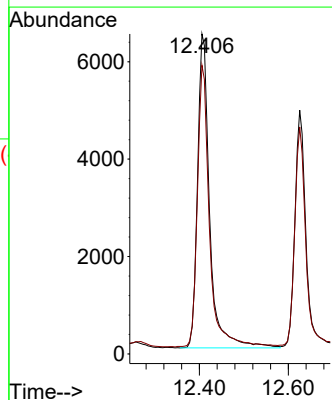
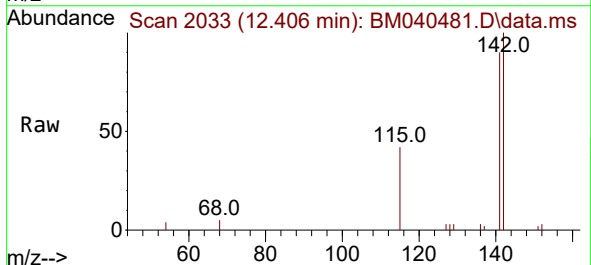
Acq: 30 Jun 2023 20:54

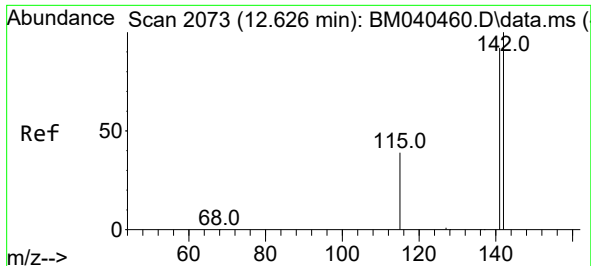
Tgt Ion:142 Resp: 12237

Ion Ratio Lower Upper

142 100

141 89.0 71.9 107.9

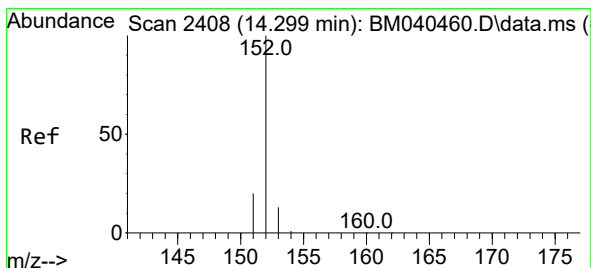
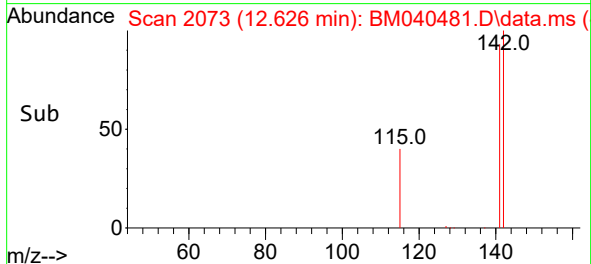
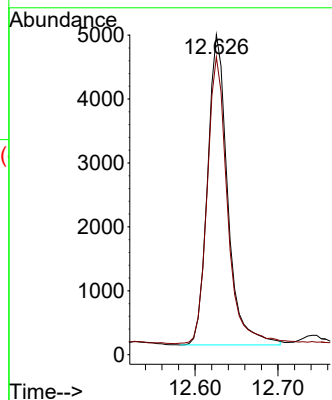
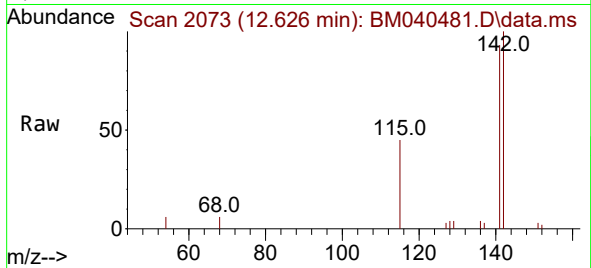




#8
1-Methylnaphthalene
Concen: 0.208 ng/ul
RT: 12.626 min Scan# 2073
Delta R.T. -0.000 min
Lab File: BM040481.D
Acq: 30 Jun 2023 20:54

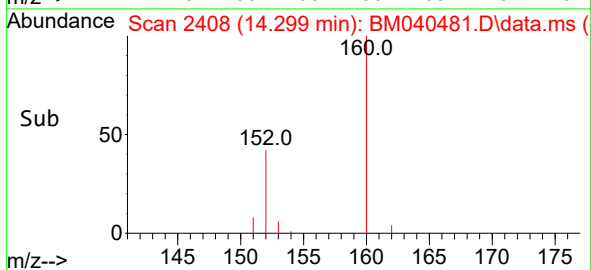
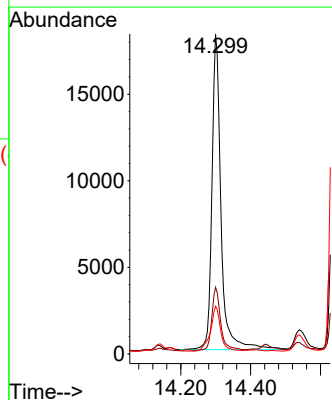
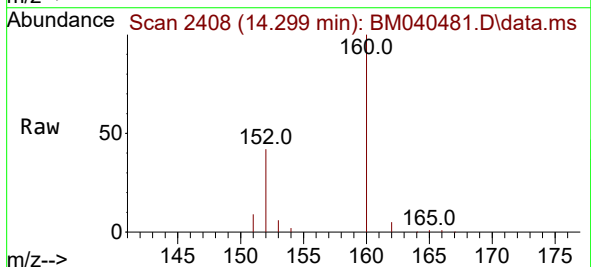
Instrument :
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DCFX2

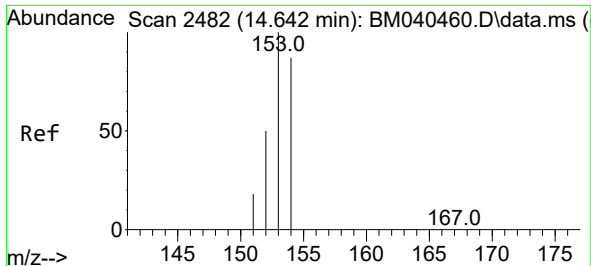
Tgt Ion:142 Resp: 8218
Ion Ratio Lower Upper
142 100
141 92.3 73.7 110.5



#10
Acenaphthylene
Concen: 0.576 ng/ul
RT: 14.299 min Scan# 2408
Delta R.T. -0.000 min
Lab File: BM040481.D
Acq: 30 Jun 2023 20:54

Tgt Ion:152 Resp: 32990
Ion Ratio Lower Upper
152 100
151 20.9 16.2 24.2
153 14.9 10.9 16.3

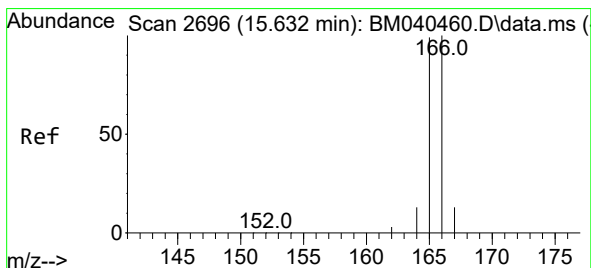
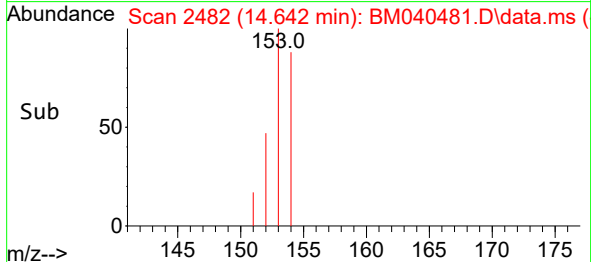
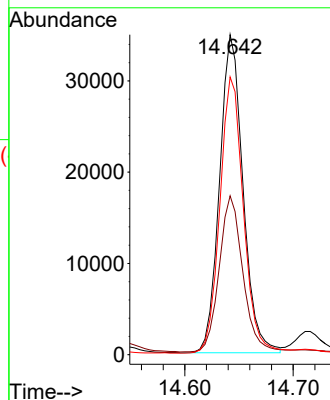
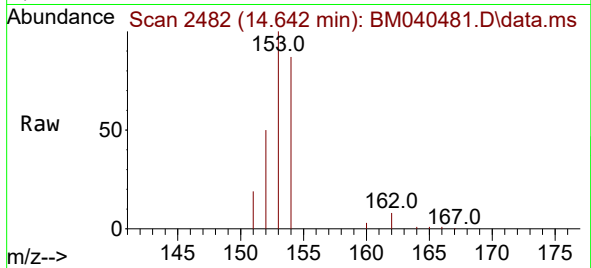




#11
Acenaphthene
Concen: 1.083 ng/ul
RT: 14.642 min Scan# 2482
Delta R.T. -0.000 min
Lab File: BM040481.D
Acq: 30 Jun 2023 20:54

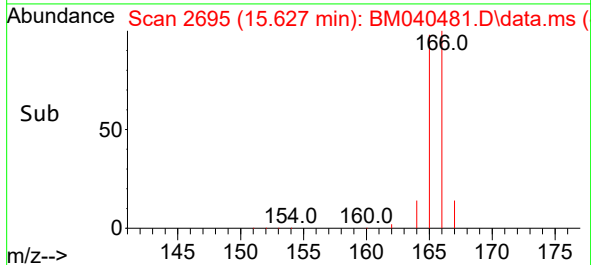
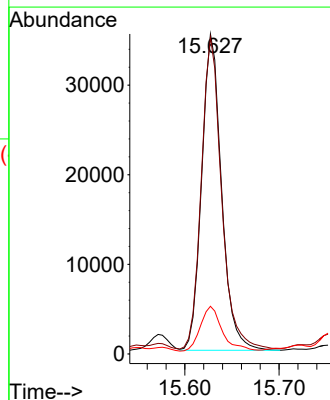
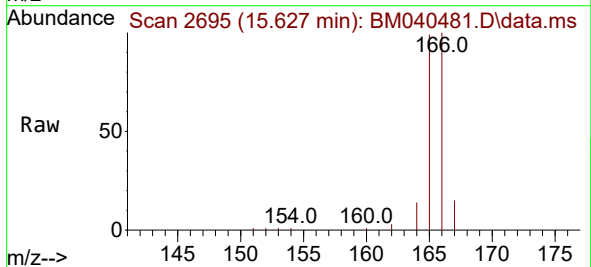
Instrument :
BNA_M
ClientSampleId :
DCFX2

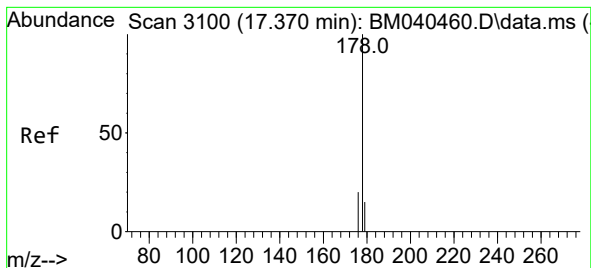
Tgt Ion:153 Resp: 52352
Ion Ratio Lower Upper
153 100
152 49.7 41.0 61.4
154 86.8 70.8 106.2



#12
Fluorene
Concen: 1.003 ng/ul
RT: 15.627 min Scan# 2695
Delta R.T. -0.005 min
Lab File: BM040481.D
Acq: 30 Jun 2023 20:54

Tgt Ion:166 Resp: 51722
Ion Ratio Lower Upper
166 100
165 99.0 79.6 119.4
167 14.9 11.4 17.0





#15

Phenanthrene

Concen: 14.715 ng/ul

RT: 17.366 min Scan# 3099

Delta R.T. -0.004 min

Lab File: BM040481.D

Acq: 30 Jun 2023 20:54

Instrument :

BNA_M

ClientSampleId :

DCFX2

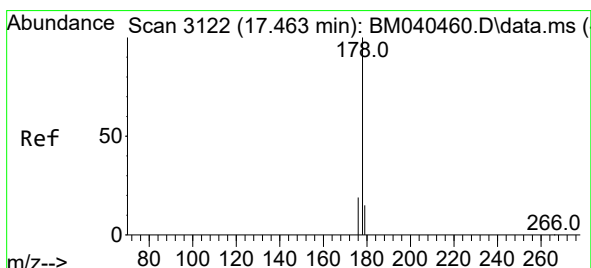
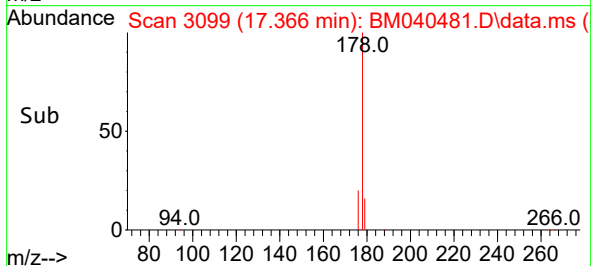
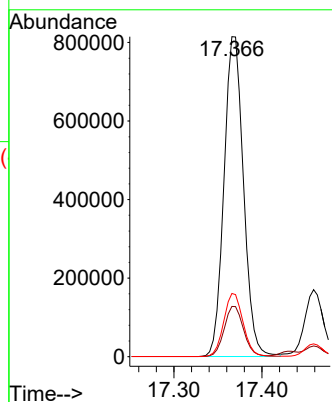
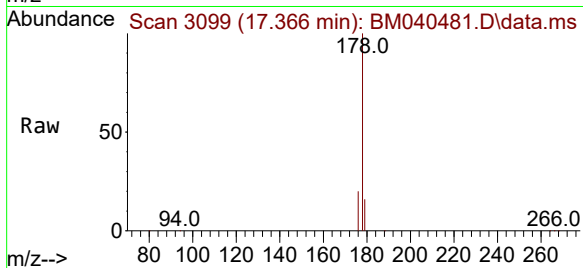
Tgt Ion:178 Resp: 1255469

Ion Ratio Lower Upper

178 100

179 15.7 12.8 19.2

176 19.7 16.4 24.6



#16

Anthracene

Concen: 3.377 ng/ul

RT: 17.459 min Scan# 3121

Delta R.T. -0.004 min

Lab File: BM040481.D

Acq: 30 Jun 2023 20:54

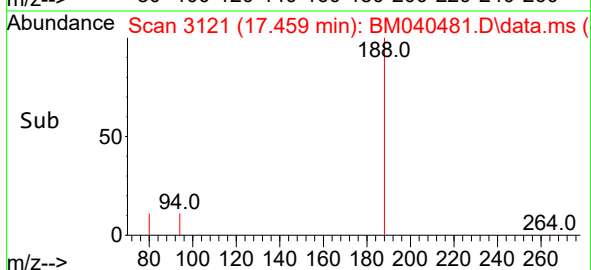
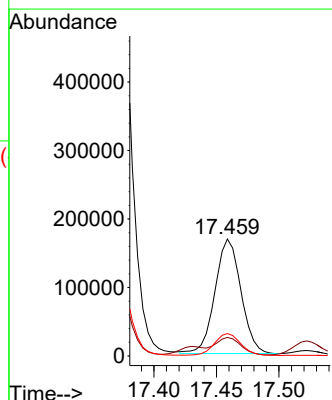
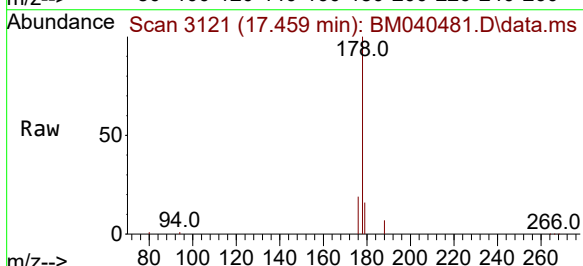
Tgt Ion:178 Resp: 242129

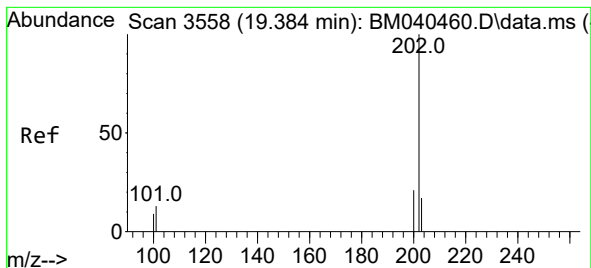
Ion Ratio Lower Upper

178 100

179 15.9 12.9 19.3

176 19.2 15.8 23.6





#19

Fluoranthene

Concen: 38.857 ng/ul

RT: 19.384 min Scan# 3558

Delta R.T. -0.000 min

Lab File: BM040481.D

Acq: 30 Jun 2023 20:54

Instrument :

BNA_M

ClientSampleId :

DCFX2

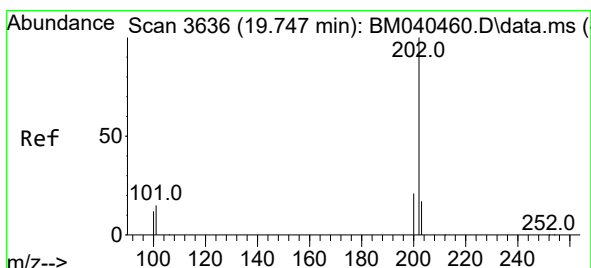
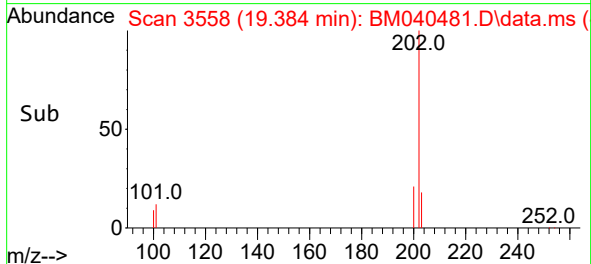
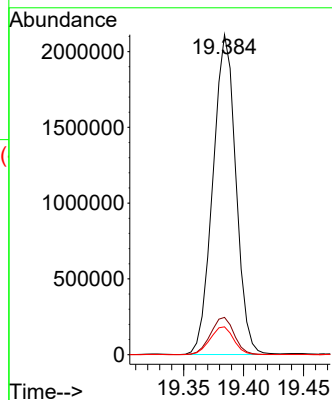
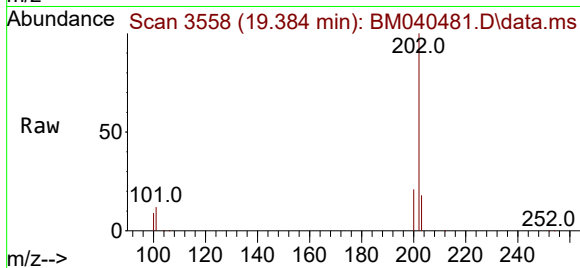
Tgt Ion:202 Resp: 2817991

Ion Ratio Lower Upper

202 100

101 11.6 11.4 17.0

100 8.7 8.7 13.1#



#20

Pyrene

Concen: 27.914 ng/ul

RT: 19.747 min Scan# 3636

Delta R.T. -0.000 min

Lab File: BM040481.D

Acq: 30 Jun 2023 20:54

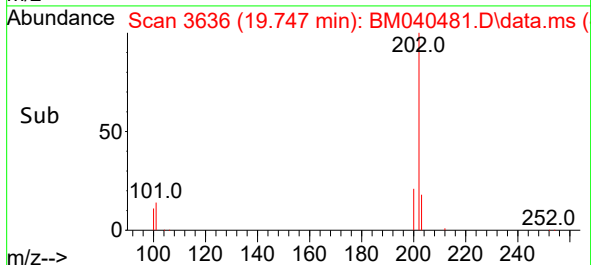
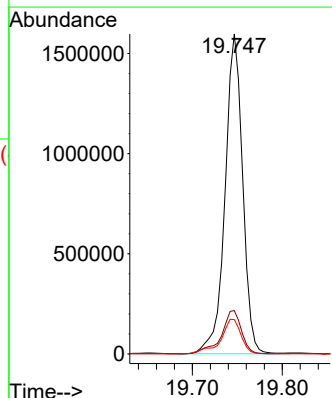
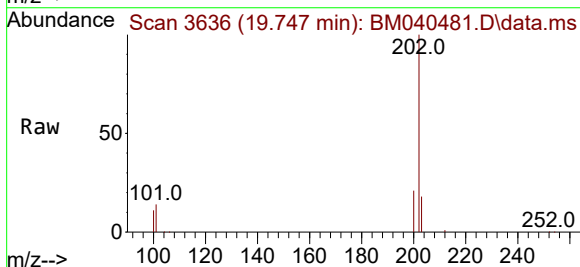
Tgt Ion:202 Resp: 2170324

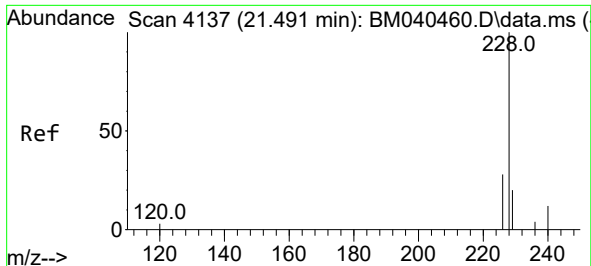
Ion Ratio Lower Upper

202 100

101 13.6 12.6 18.8

100 10.8 9.8 14.6

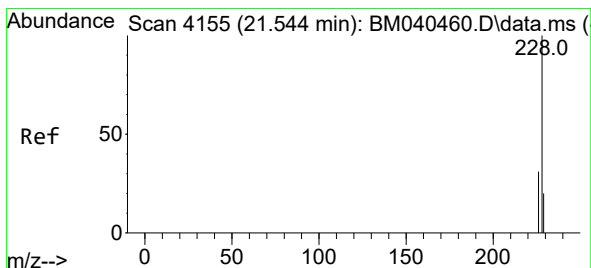
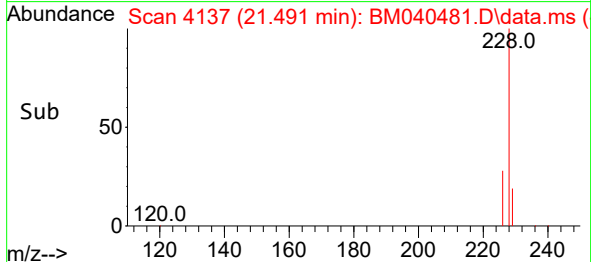
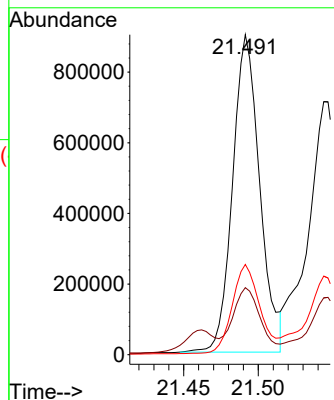
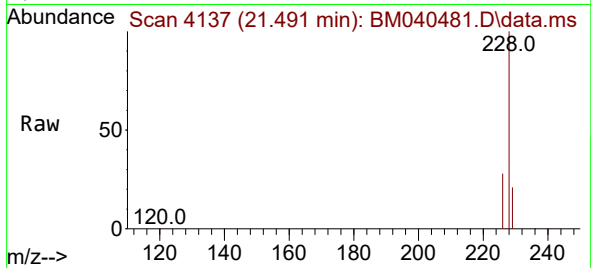




#21
Benzo(a)anthracene
Concen: 19.686 ng/ul
RT: 21.491 min Scan# 4137
Delta R.T. -0.000 min
Lab File: BM040481.D
Acq: 30 Jun 2023 20:54

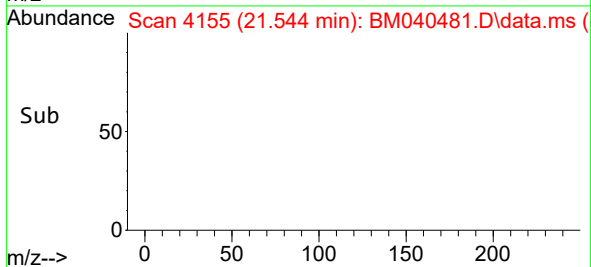
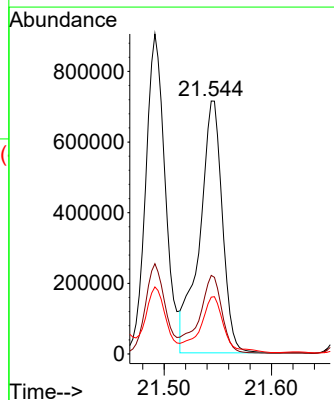
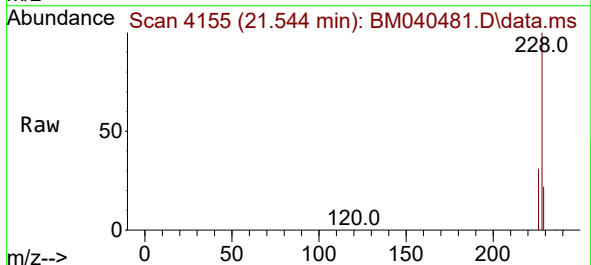
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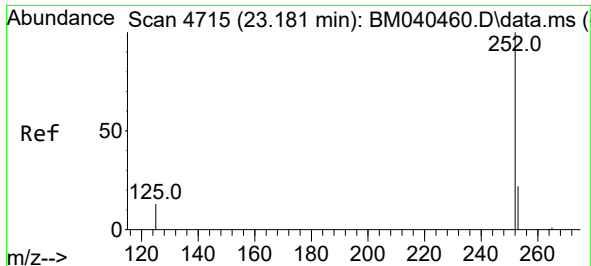
Tgt Ion:228 Resp: 1136884
Ion Ratio Lower Upper
228 100
229 20.9 16.0 24.0
226 28.2 22.3 33.5



#22
Chrysene
Concen: 15.952 ng/ul
RT: 21.544 min Scan# 4155
Delta R.T. -0.000 min
Lab File: BM040481.D
Acq: 30 Jun 2023 20:54

Tgt Ion:228 Resp: 1050859
Ion Ratio Lower Upper
228 100
226 31.0 24.9 37.3
229 22.5 15.8 23.6

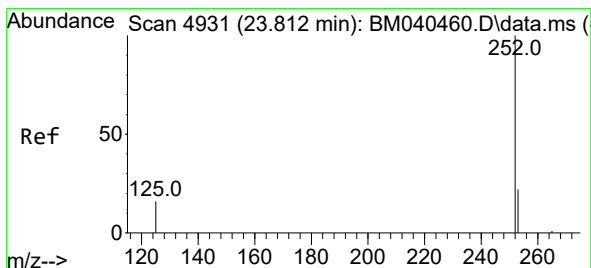
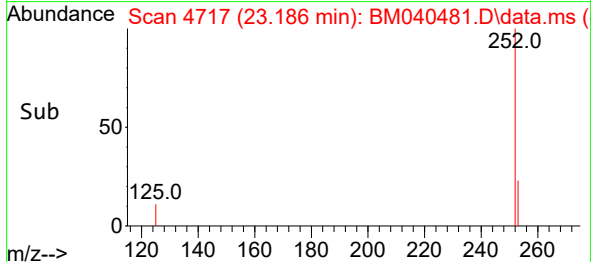
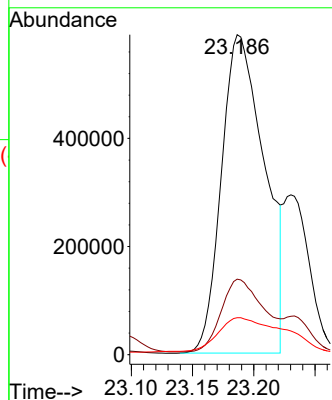
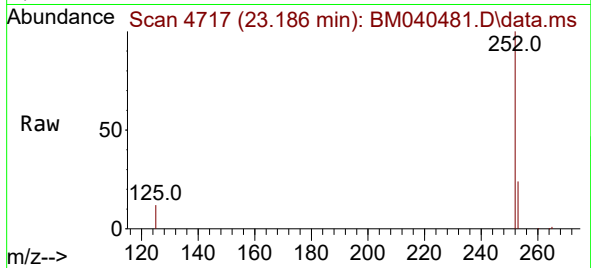




#24
Benzo(b)fluoranthene
Concen: 19.221 ng/ul
RT: 23.186 min Scan# 4717
Delta R.T. 0.006 min
Lab File: BM040481.D
Acq: 30 Jun 2023 20:54

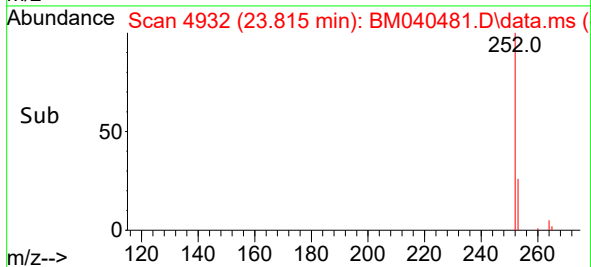
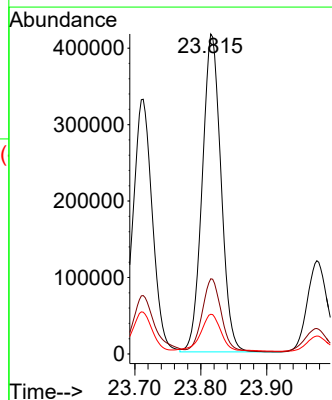
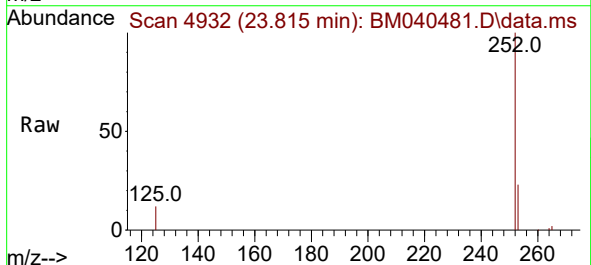
Instrument :
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DCFX2

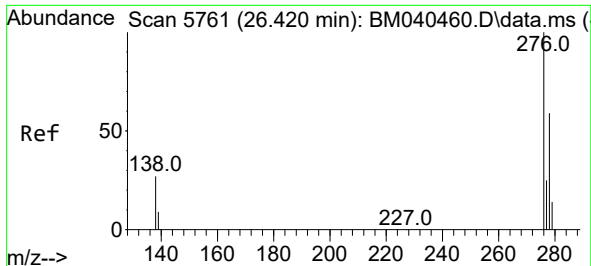
Tgt Ion:252 Resp: 1437927
Ion Ratio Lower Upper
252 100
253 23.6 0.0 52.8
125 11.5 0.0 43.0



#26
Benzo(a)pyrene
Concen: 12.215 ng/ul
RT: 23.815 min Scan# 4932
Delta R.T. 0.003 min
Lab File: BM040481.D
Acq: 30 Jun 2023 20:54

Tgt Ion:252 Resp: 823167
Ion Ratio Lower Upper
252 100
253 23.5 22.9 34.3
125 12.4 21.0 31.4#





#27

Indeno(1,2,3-cd)pyrene

Concen: 6.778 ng/ul

RT: 26.434 min Scan# 5

Delta R.T. 0.013 min

Lab File: BM040481.D

Acq: 30 Jun 2023 20:54

Instrument :

BNA_M

ClientSampleId :

DCFX2

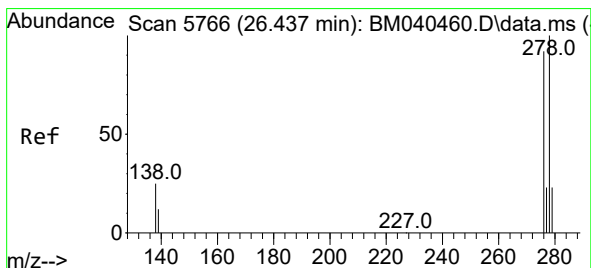
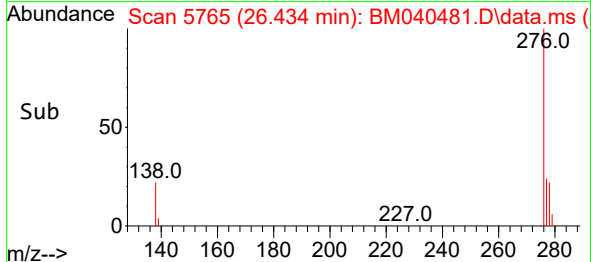
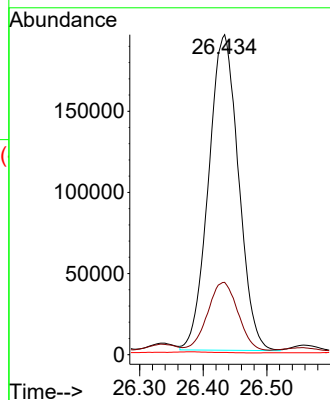
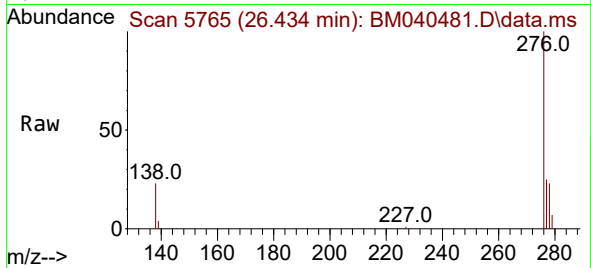
Tgt Ion:276 Resp: 636101

Ion Ratio Lower Upper

276 100

138 21.9 24.5 36.7#

227 0.0 0.1 0.1#



#28

Dibenzo(a,h)anthracene

Concen: 2.167 ng/ul

RT: 26.437 min Scan# 5766

Delta R.T. -0.000 min

Lab File: BM040481.D

Acq: 30 Jun 2023 20:54

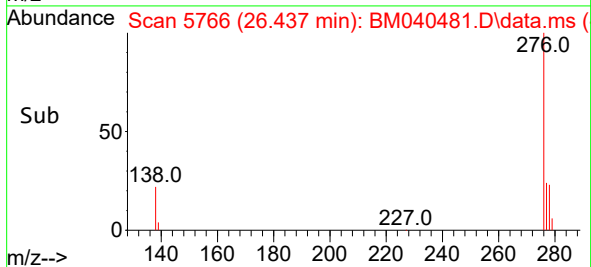
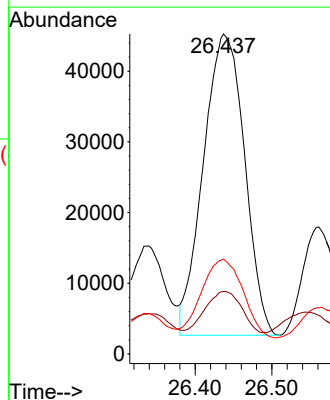
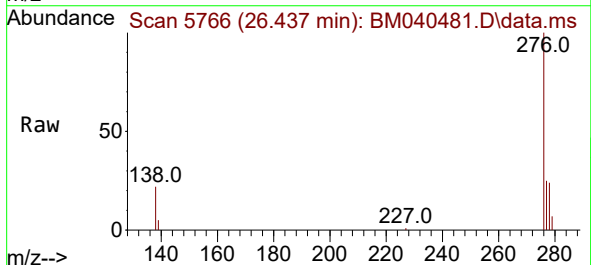
Tgt Ion:278 Resp: 159226

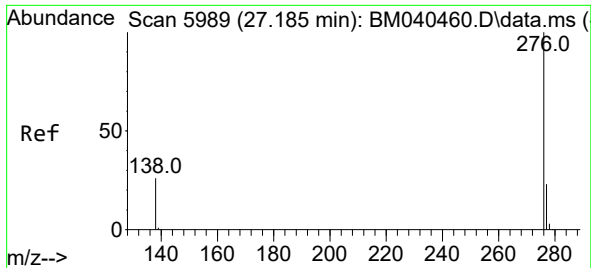
Ion Ratio Lower Upper

278 100

139 19.5 17.9 26.9

279 29.6 22.0 33.0





#29
 Benzo(g,h,i)perylene
 Concen: 6.908 ng/ul
 RT: 27.208 min Scan# 51
 Delta R.T. 0.023 min
 Lab File: BM040481.D
 Acq: 30 Jun 2023 20:54

Instrument :
 BNA_M
 ClientSampleId :
 DCFX2

Tgt Ion:276 Resp: 568240
 Ion Ratio Lower Upper
 276 100
 138 23.3 23.0 34.6
 277 24.4 20.3 30.5

