

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061623\
 Data File : BM040281.D
 Acq On : 16 Jun 2023 15:19
 Operator : MA/JU
 Sample : 03080-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFH4

Quant Time: Jun 16 23:39:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 15 00:31:16 2023
 Response via : Initial Calibration

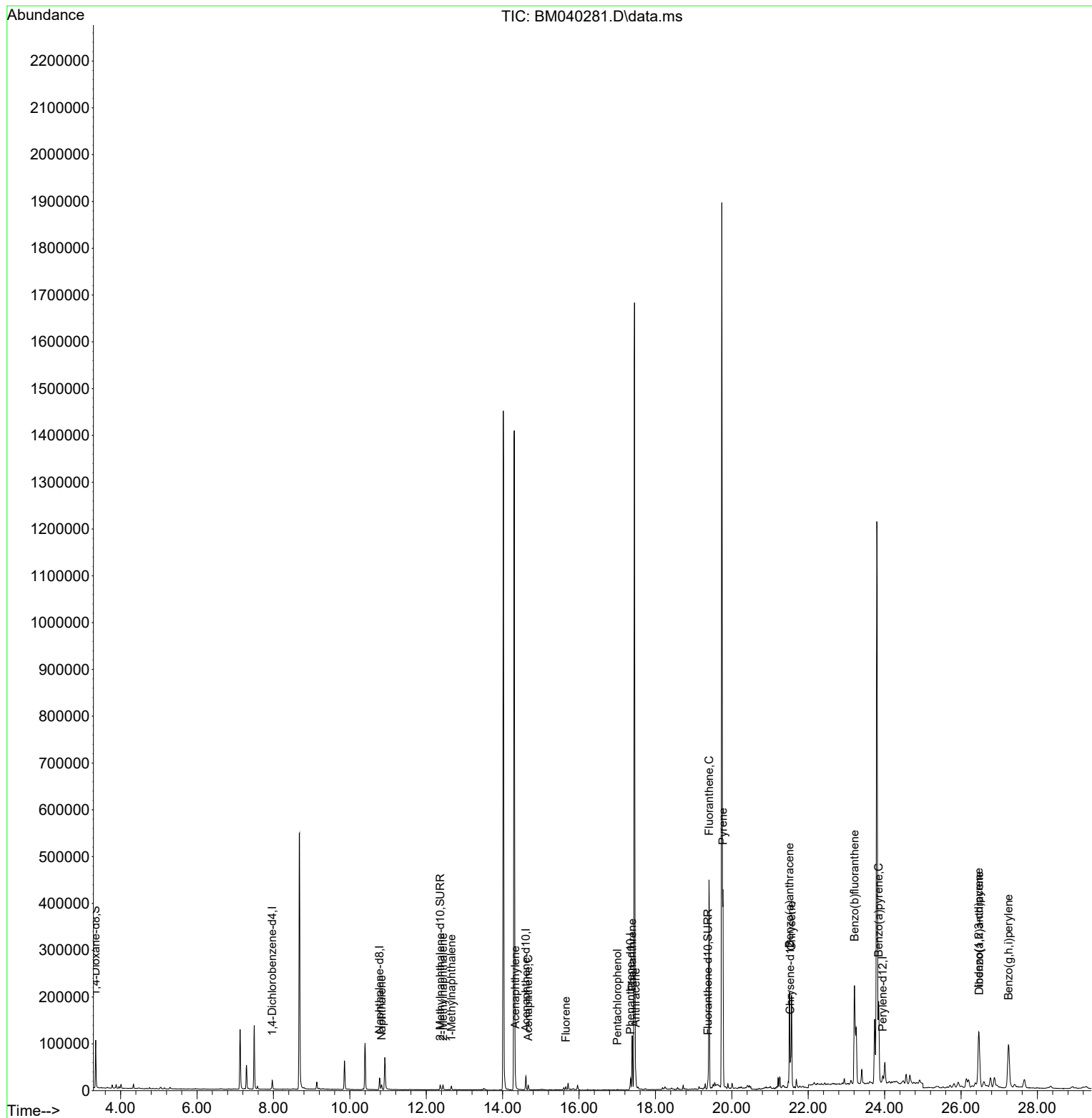
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.970	152	9305	0.400	ng/ul	0.00
4) Naphthalene-d8	10.778	136	32986	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.609	164	15813	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.349	188	26275	0.400	ng/ul	0.00
17) Chrysene-d12	21.526	240	18658	0.400	ng/ul	# 0.00
23) Perylene-d12	23.950	264	20650	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.346	96	57985	5.046	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.367	152	13388	0.320	ng/ul	0.00
18) Fluoranthene-d10	19.375	212	18108	0.389	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.833	128	13774	0.176	ng/ul	97
7) 2-Methylnaphthalene	12.439	142	7474	0.154	ng/ul	97
8) 1-Methylnaphthalene	12.659	142	5174	0.102	ng/ul	99
10) Acenaphthylene	14.332	152	16707	0.302	ng/ul	98
11) Acenaphthene	14.670	153	5840	0.123	ng/ul	98
12) Fluorene	15.655	166	4079	0.077	ng/ul#	94
14) Pentachlorophenol	17.003	266	580	0.108	ng/ul	92
15) Phenanthrene	17.391	178	120365	1.742	ng/ul	99
16) Anthracene	17.484	178	22699	0.388	ng/ul	98
19) Fluoranthene	19.403	202	355594	5.595	ng/ul	99
20) Pyrene	19.765	202	316742	4.797	ng/ul	99
21) Benzo(a)anthracene	21.509	228	168970	3.068	ng/ul	97
22) Chrysene	21.561	228	203910	3.505	ng/ul	97
24) Benzo(b)fluoranthene	23.210	252	341842	4.491	ng/ul	96
26) Benzo(a)pyrene	23.844	252	231953	3.713	ng/ul#	87
27) Indeno(1,2,3-cd)pyrene	26.464	276	205790	2.603	ng/ul#	94
28) Dibenzo(a,h)anthracene	26.477	278	52200	0.822	ng/ul#	88
29) Benzo(g,h,i)perylene	27.242	276	210510	3.188	ng/ul	99

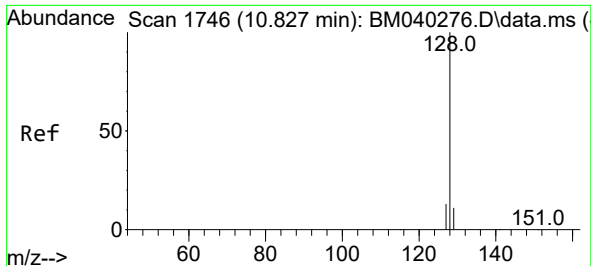
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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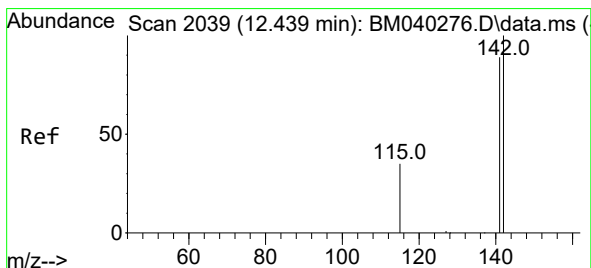
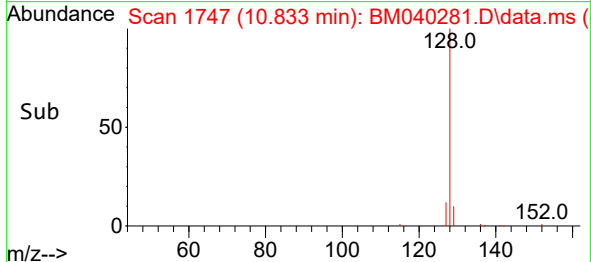
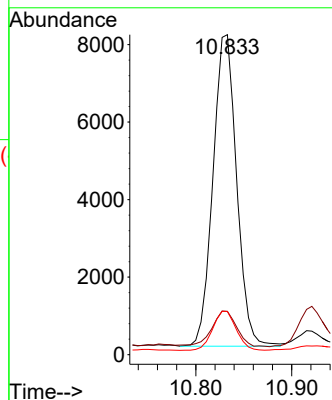
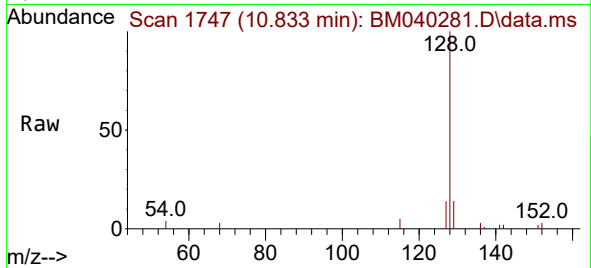




#5
Naphthalene
Concen: 0.176 ng/ul
RT: 10.833 min Scan# 1747
Delta R.T. -0.000 min
Lab File: BM040281.D
Acq: 16 Jun 2023 15:19

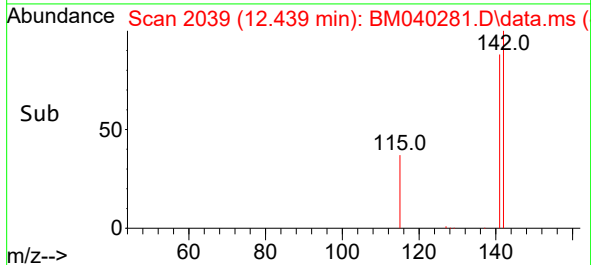
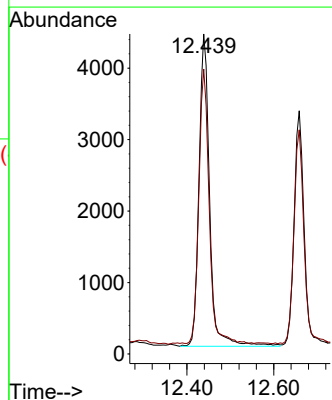
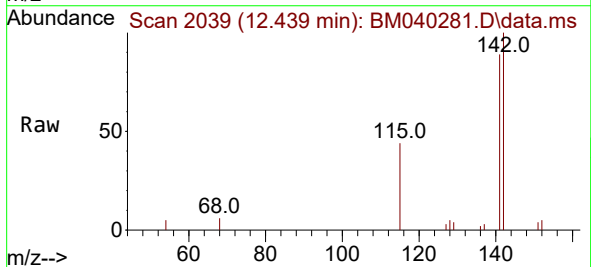
Instrument :
BNA_M
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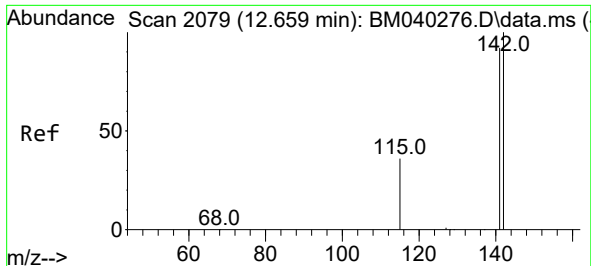
Tgt Ion:128 Resp: 13774
Ion Ratio Lower Upper
128 100
129 13.5 9.1 13.7
127 13.5 10.4 15.6



#7
2-Methylnaphthalene
Concen: 0.154 ng/ul
RT: 12.439 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BM040281.D
Acq: 16 Jun 2023 15:19

Tgt Ion:142 Resp: 7474
Ion Ratio Lower Upper
142 100
141 85.1 70.6 106.0

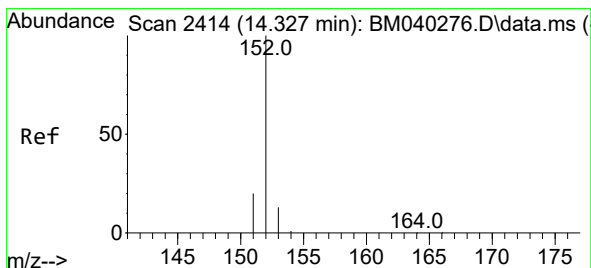
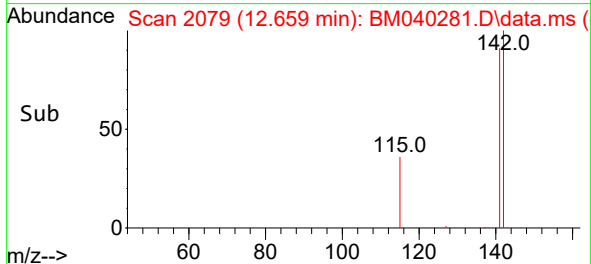
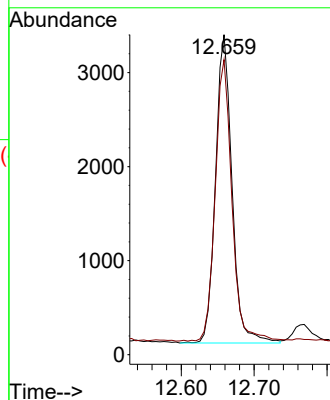
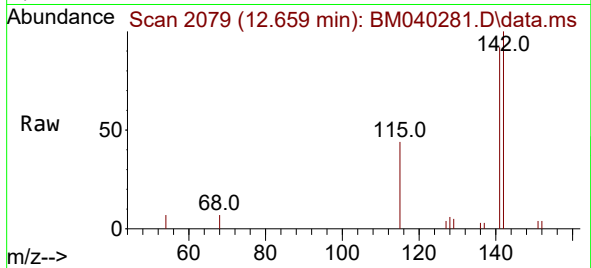




#8
1-Methylnaphthalene
Concen: 0.102 ng/ul
RT: 12.659 min Scan# 2079
Delta R.T. -0.006 min
Lab File: BM040281.D
Acq: 16 Jun 2023 15:19

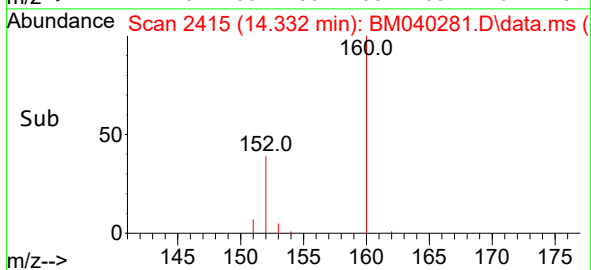
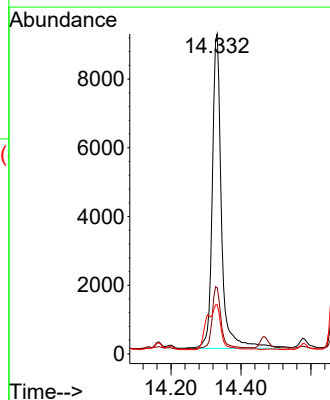
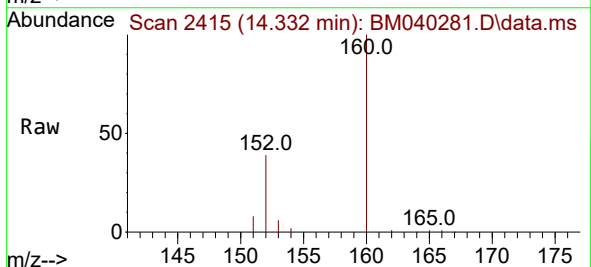
Instrument :
BNA_M
ClientSampleId :
DCFH4

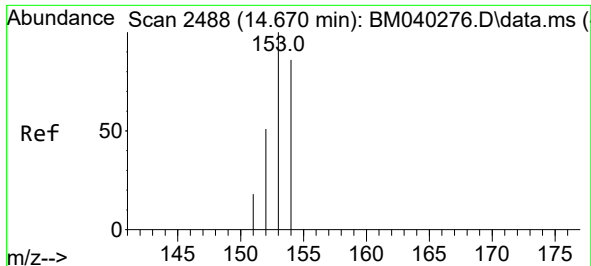
Tgt Ion:142 Resp: 5174
Ion Ratio Lower Upper
142 100
141 92.0 73.0 109.4



#10
Acenaphthylene
Concen: 0.302 ng/ul
RT: 14.332 min Scan# 2415
Delta R.T. -0.000 min
Lab File: BM040281.D
Acq: 16 Jun 2023 15:19

Tgt Ion:152 Resp: 16707
Ion Ratio Lower Upper
152 100
151 20.8 16.3 24.5
153 15.4 10.7 16.1

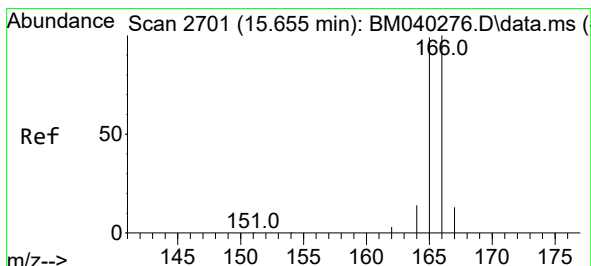
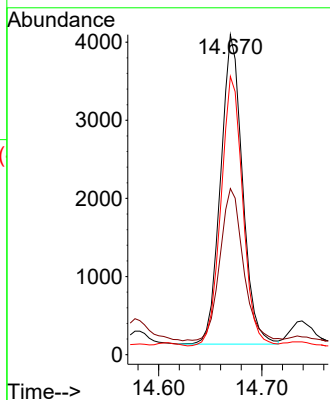
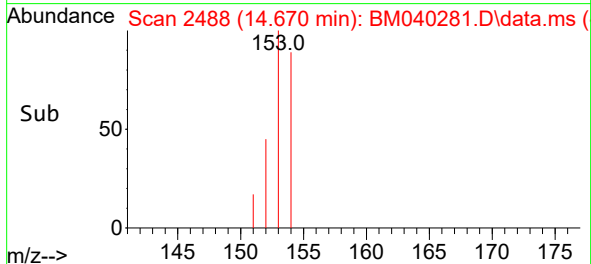
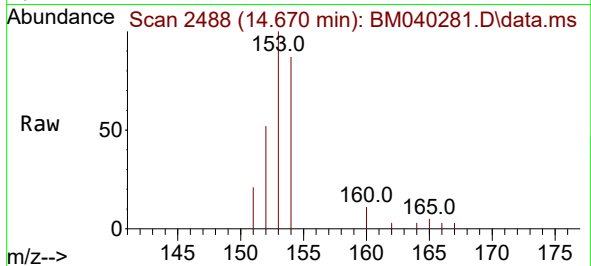




#11
Acenaphthene
Concen: 0.123 ng/ul
RT: 14.670 min Scan# 2488
Delta R.T. -0.005 min
Lab File: BM040281.D
Acq: 16 Jun 2023 15:19

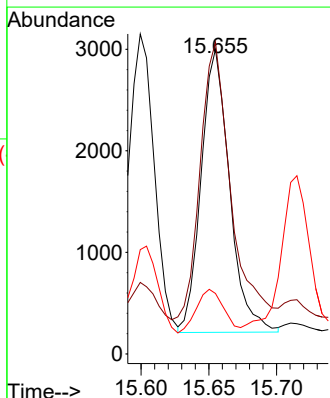
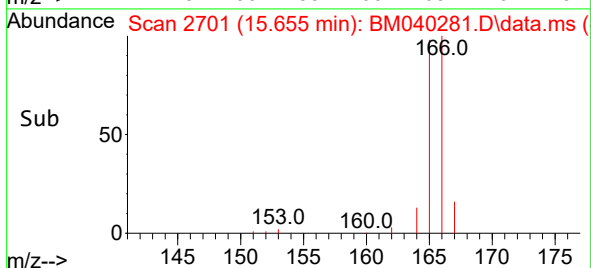
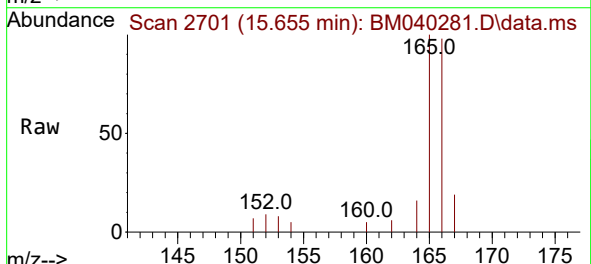
Instrument :
BNA_M
ClientSampleId :
DCFH4

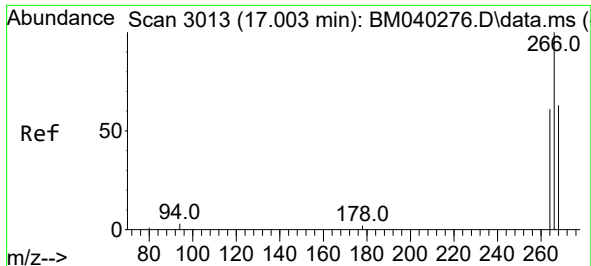
Tgt Ion:153 Resp: 5840
Ion Ratio Lower Upper
153 100
152 51.9 40.3 60.5
154 86.9 70.5 105.7



#12
Fluorene
Concen: 0.077 ng/ul
RT: 15.655 min Scan# 2701
Delta R.T. -0.005 min
Lab File: BM040281.D
Acq: 16 Jun 2023 15:19

Tgt Ion:166 Resp: 4079
Ion Ratio Lower Upper
166 100
165 102.3 78.2 117.4
167 19.9 11.0 16.4#

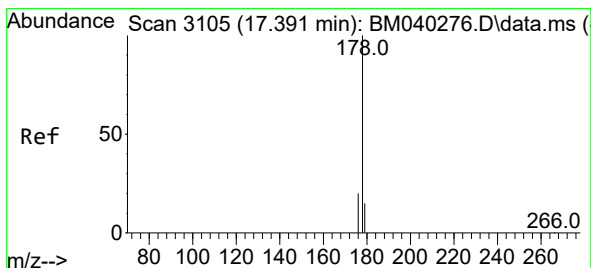
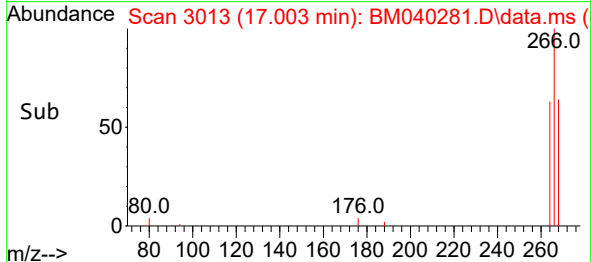
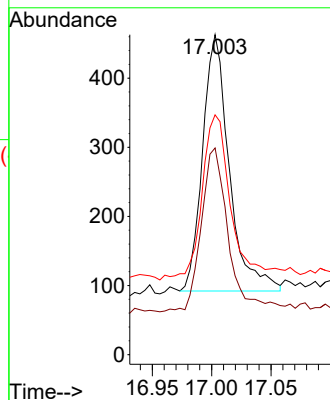
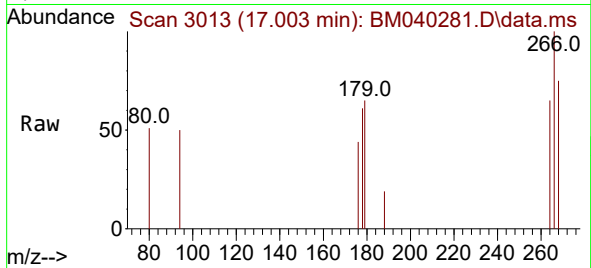




#14
Pentachlorophenol
Concen: 0.108 ng/ul
RT: 17.003 min Scan# 3013
Delta R.T. -0.004 min
Lab File: BM040281.D
Acq: 16 Jun 2023 15:19

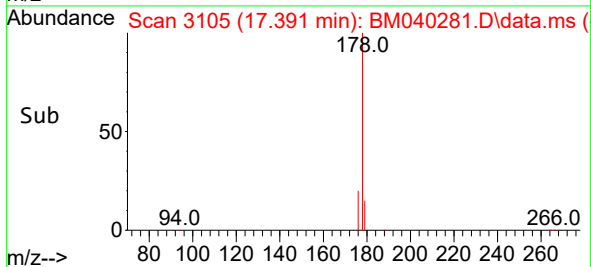
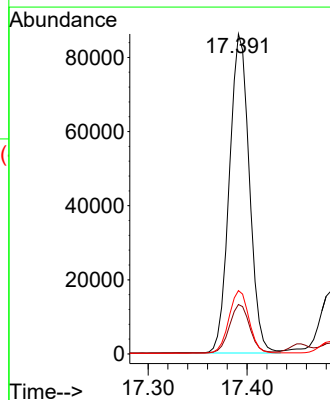
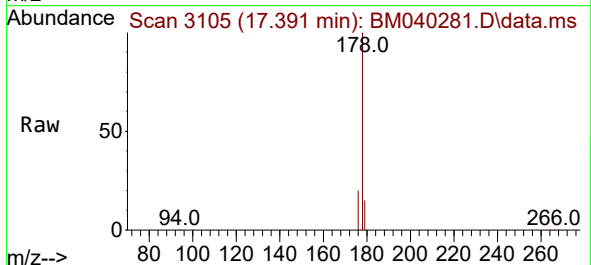
Instrument :
BNA_M
ClientSampleId :
DCFH4

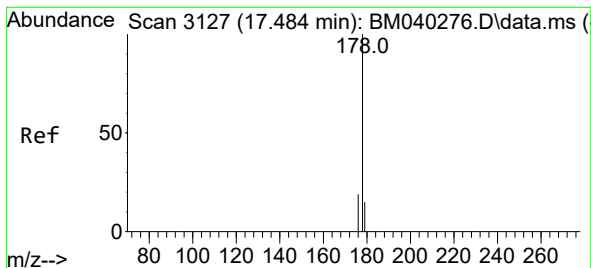
Tgt Ion:266 Resp: 580
Ion Ratio Lower Upper
266 100
264 65.9 49.4 74.0
268 72.6 51.3 76.9



#15
Phenanthrene
Concen: 1.742 ng/ul
RT: 17.391 min Scan# 3105
Delta R.T. -0.004 min
Lab File: BM040281.D
Acq: 16 Jun 2023 15:19

Tgt Ion:178 Resp: 120365
Ion Ratio Lower Upper
178 100
179 15.4 12.6 19.0
176 19.8 16.1 24.1





#16

Anthracene

Concen: 0.388 ng/ul

RT: 17.484 min Scan# 3127

Delta R.T. -0.004 min

Lab File: BM040281.D

Acq: 16 Jun 2023 15:19

Instrument :

BNA_M

ClientSampleId :

DCFH4

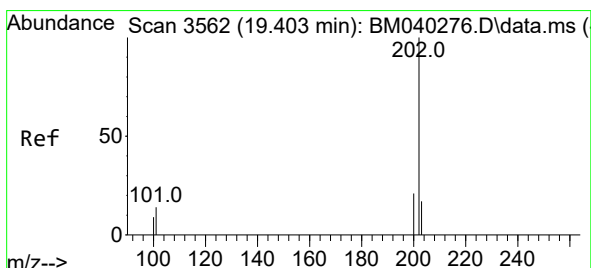
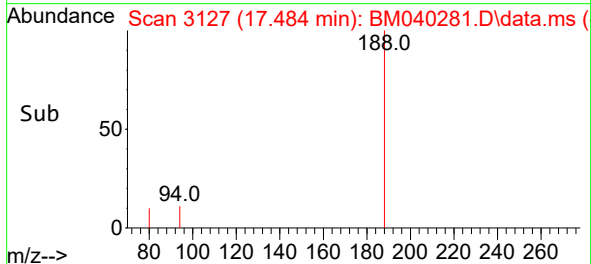
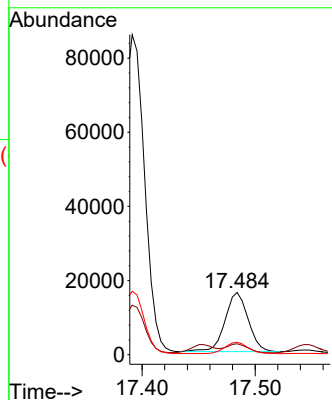
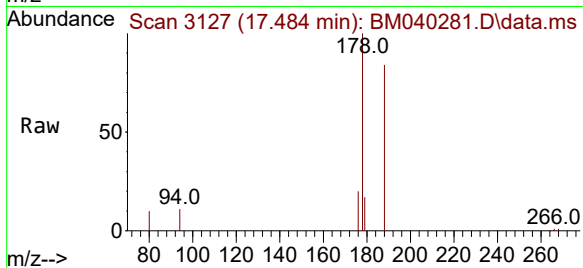
Tgt Ion:178 Resp: 22699

Ion Ratio Lower Upper

178 100

179 17.4 13.0 19.4

176 20.0 15.5 23.3



#19

Fluoranthene

Concen: 5.595 ng/ul

RT: 19.403 min Scan# 3562

Delta R.T. -0.005 min

Lab File: BM040281.D

Acq: 16 Jun 2023 15:19

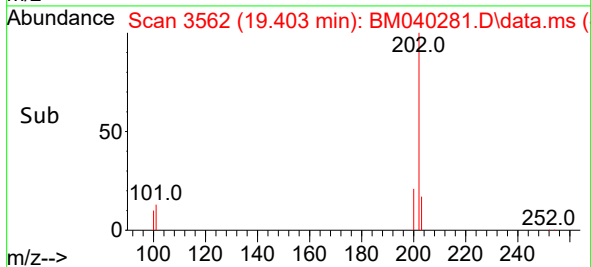
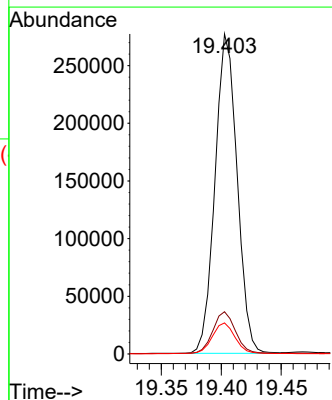
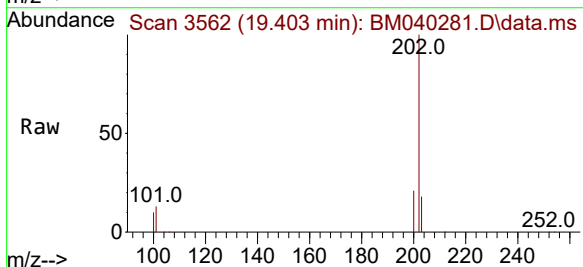
Tgt Ion:202 Resp: 355594

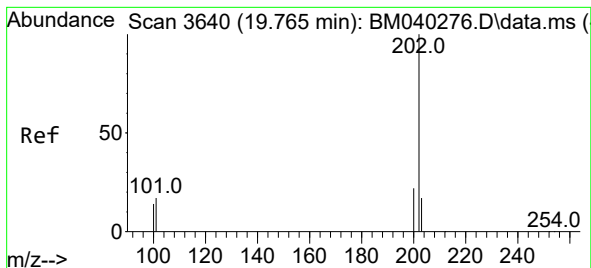
Ion Ratio Lower Upper

202 100

101 13.2 10.2 15.4

100 9.7 7.6 11.4





#20

Pyrene

Concen: 4.797 ng/ul

RT: 19.765 min Scan# 3

Delta R.T. -0.005 min

Lab File: BM040281.D

Acq: 16 Jun 2023 15:19

Instrument :

BNA_M

ClientSampleId :

DCFH4

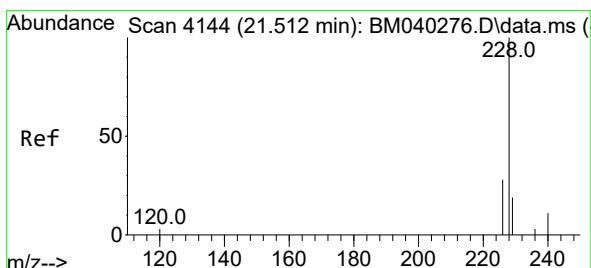
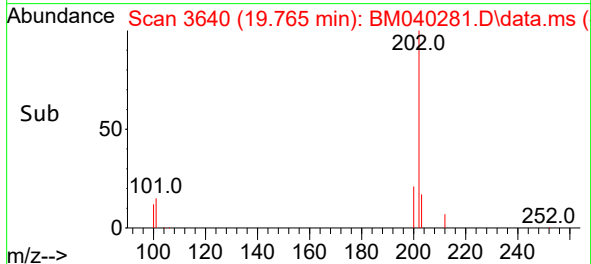
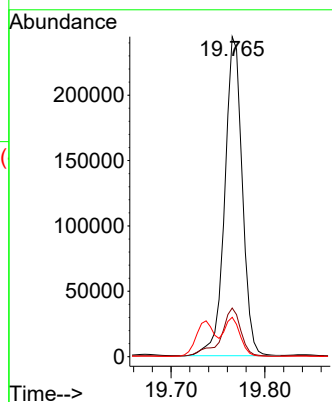
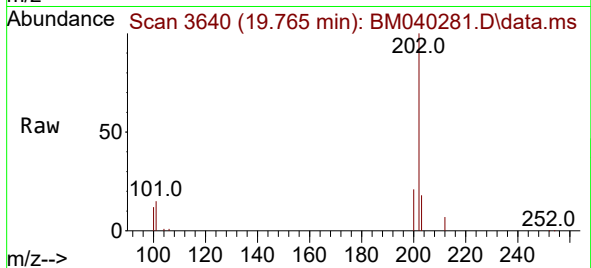
Tgt Ion:202 Resp: 316742

Ion Ratio Lower Upper

202 100

101 15.2 11.8 17.8

100 12.3 9.3 13.9



#21

Benzo(a)anthracene

Concen: 3.068 ng/ul

RT: 21.509 min Scan# 4143

Delta R.T. -0.006 min

Lab File: BM040281.D

Acq: 16 Jun 2023 15:19

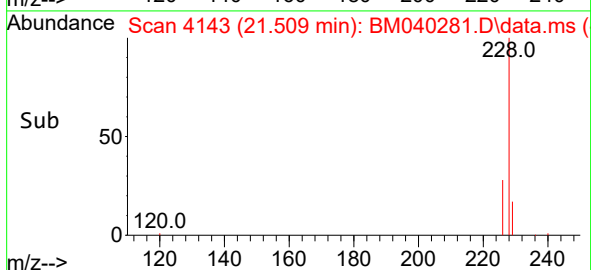
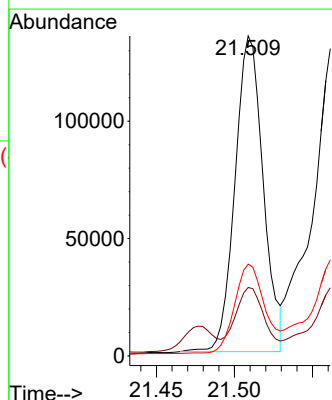
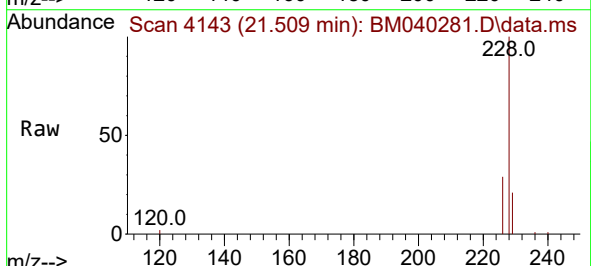
Tgt Ion:228 Resp: 168970

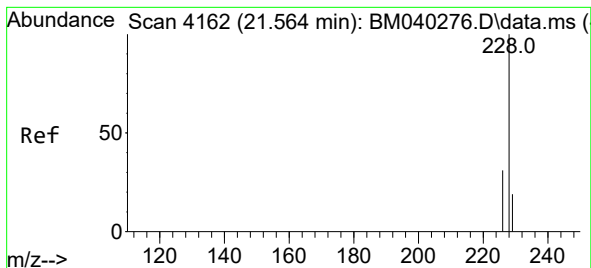
Ion Ratio Lower Upper

228 100

229 21.4 15.8 23.8

226 28.7 22.0 33.0





#22

Chrysene

Concen: 3.505 ng/ul

RT: 21.561 min Scan# 4161

Delta R.T. -0.009 min

Lab File: BM040281.D

Acq: 16 Jun 2023 15:19

Instrument :

BNA_M

ClientSampleId :

DCFH4

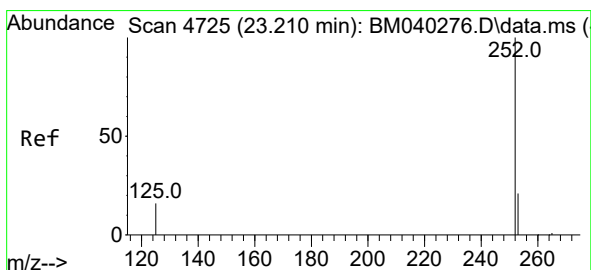
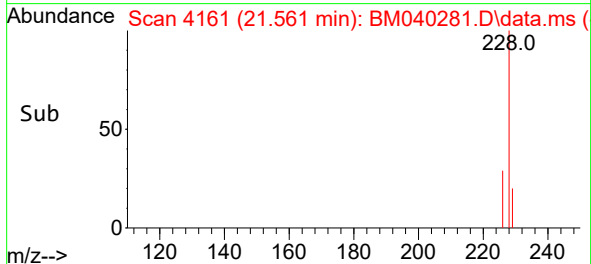
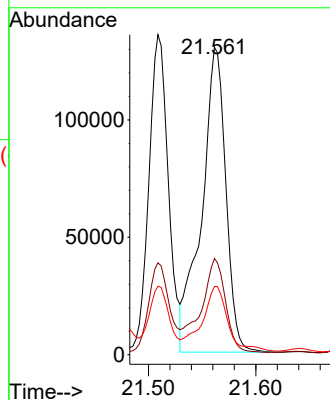
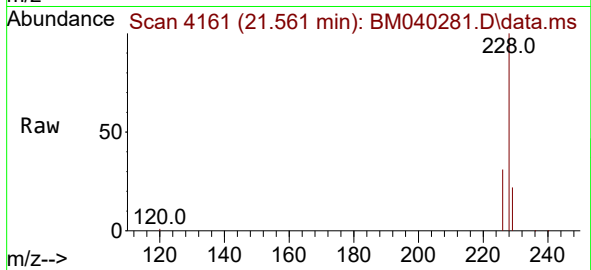
Tgt Ion:228 Resp: 203910

Ion Ratio Lower Upper

228 100

226 31.3 24.3 36.5

229 22.2 15.7 23.5



#24

Benzo(b)fluoranthene

Concen: 4.491 ng/ul

RT: 23.210 min Scan# 4725

Delta R.T. -0.006 min

Lab File: BM040281.D

Acq: 16 Jun 2023 15:19

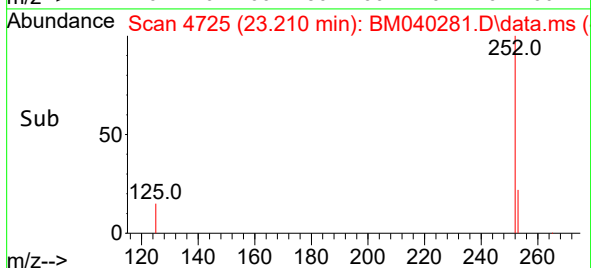
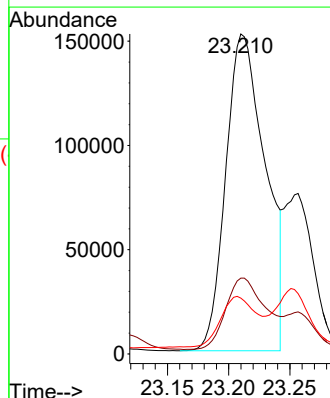
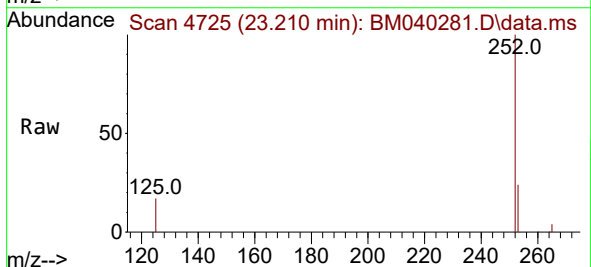
Tgt Ion:252 Resp: 341842

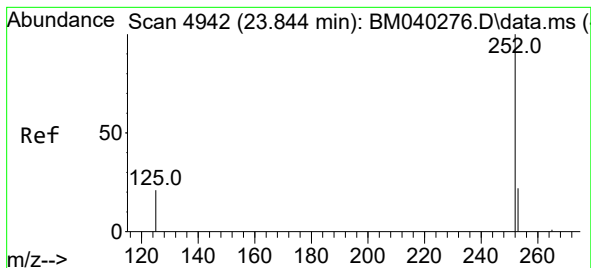
Ion Ratio Lower Upper

252 100

253 23.7 0.0 52.4

125 17.5 0.0 38.4





#26

Benzo(a)pyrene

Concen: 3.713 ng/ul

RT: 23.844 min Scan# 4942

Delta R.T. -0.006 min

Lab File: BM040281.D

Acq: 16 Jun 2023 15:19

Instrument :

BNA_M

ClientSampleId :

DCFH4

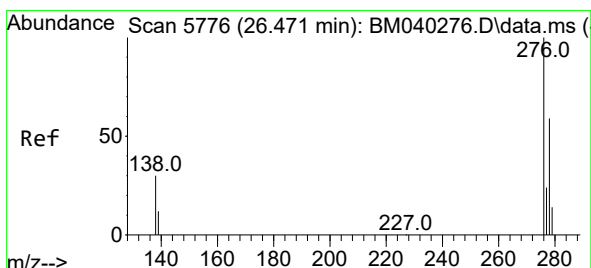
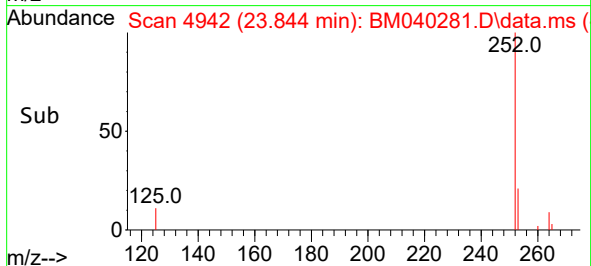
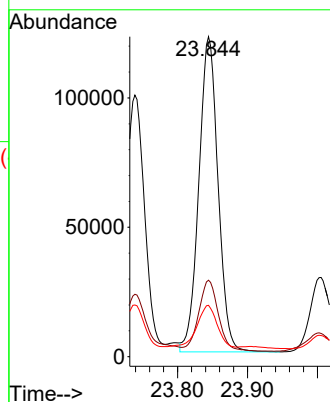
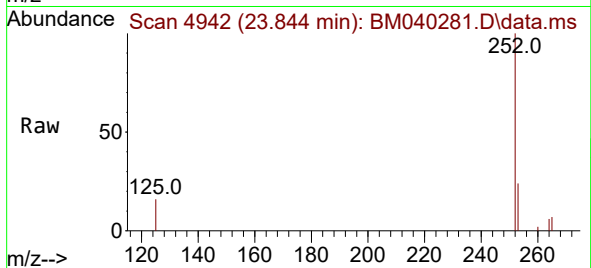
Tgt Ion:252 Resp: 231953

Ion Ratio Lower Upper

252 100

253 23.9 23.4 35.0

125 16.0 19.7 29.5#



#27

Indeno(1,2,3-cd)pyrene

Concen: 2.603 ng/ul

RT: 26.464 min Scan# 5774

Delta R.T. -0.014 min

Lab File: BM040281.D

Acq: 16 Jun 2023 15:19

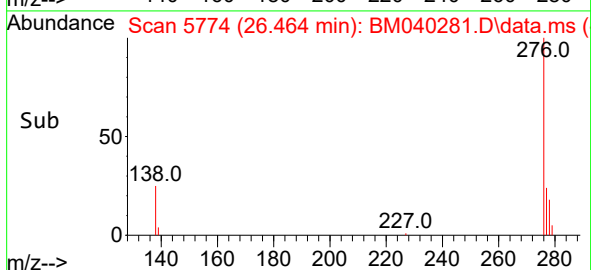
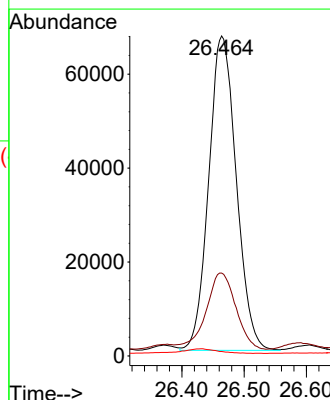
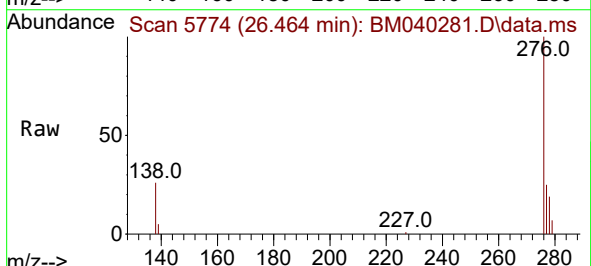
Tgt Ion:276 Resp: 205790

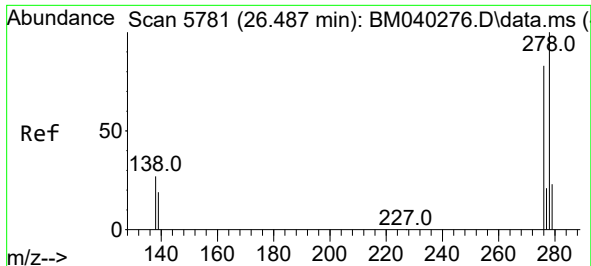
Ion Ratio Lower Upper

276 100

138 25.9 23.3 34.9

227 0.0 0.1 0.1#

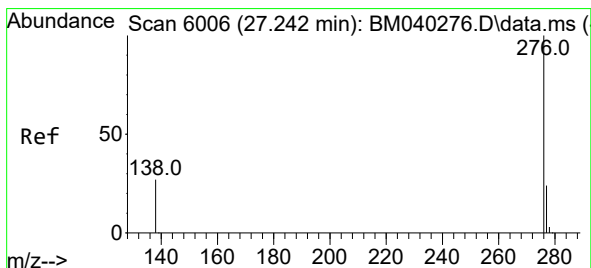
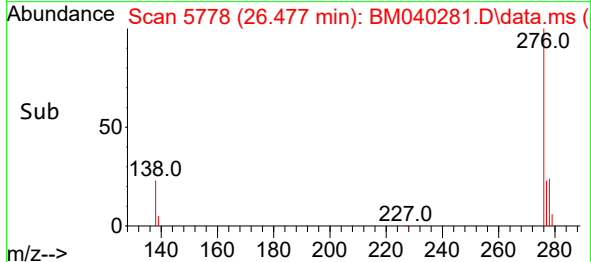
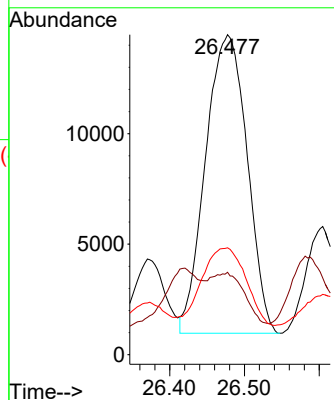
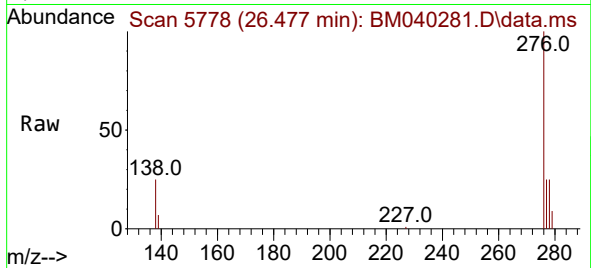




#28
Dibenzo(a,h)anthracene
Concen: 0.822 ng/ul
RT: 26.477 min Scan# 5778
Delta R.T. -0.020 min
Lab File: BM040281.D
Acq: 16 Jun 2023 15:19

Instrument :
BNA_M
ClientSampleId :
DCFH4

Tgt Ion:278 Resp: 52200
Ion Ratio Lower Upper
278 100
139 25.7 16.4 24.6#
279 33.4 21.8 32.8#



#29
Benzo(g,h,i)perylene
Concen: 3.188 ng/ul
RT: 27.242 min Scan# 6006
Delta R.T. -0.014 min
Lab File: BM040281.D
Acq: 16 Jun 2023 15:19

Tgt Ion:276 Resp: 210510
Ion Ratio Lower Upper
276 100
138 26.7 21.0 31.4
277 24.4 19.6 29.4

