

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM063023\
 Data File : BM040482.D
 Acq On : 30 Jun 2023 21:32
 Operator : MA/JU
 Sample : 03162-17
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFX3

Quant Time: Jul 01 03:05:06 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

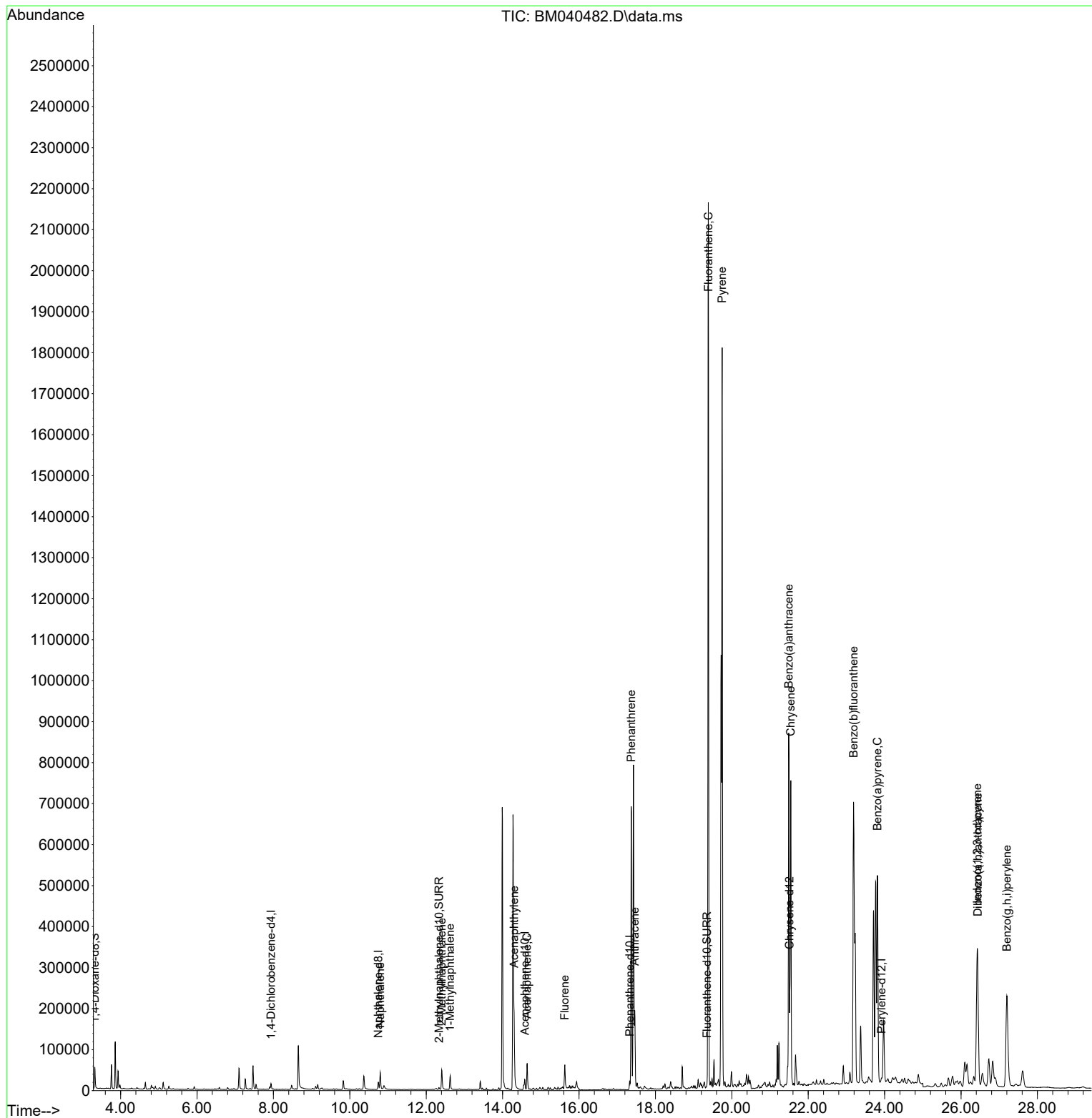
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

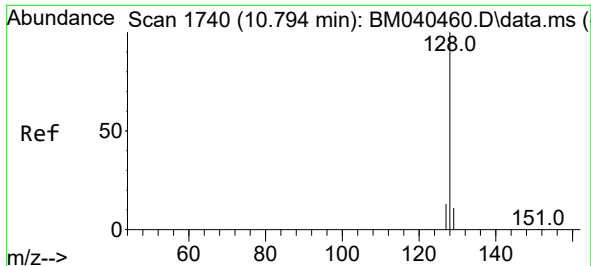
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.936	152	7371	0.400	ng/ul	0.00
4) Naphthalene-d8	10.745	136	25439	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.582	164	13936	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.328	188	25738	0.400	ng/ul	0.00
17) Chrysene-d12	21.506	240	12968	0.400	ng/ul	# 0.00
23) Perylene-d12	23.920	264	17289	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.325	96	29874	2.580	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.334	152	7127	0.200	ng/ul	0.00
18) Fluoranthene-d10	19.352	212	10717	0.258	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.795	128	63186	0.901	ng/ul	99
7) 2-Methylnaphthalene	12.406	142	39317	0.954	ng/ul	98
8) 1-Methylnaphthalene	12.626	142	24737	0.601	ng/ul	100
10) Acenaphthylene	14.300	152	181451	2.915	ng/ul	100
11) Acenaphthene	14.642	153	38771	0.737	ng/ul	99
12) Fluorene	15.627	166	39215	0.699	ng/ul	99
15) Phenanthrene	17.366	178	754156	9.433	ng/ul	99
16) Anthracene	17.459	178	185474	2.761	ng/ul	99
19) Fluoranthene	19.384	202	1843685	33.470	ng/ul#	94
20) Pyrene	19.747	202	1486742	25.175	ng/ul	96
21) Benzo(a)anthracene	21.491	228	749945	17.097	ng/ul	97
22) Chrysene	21.544	228	765030	15.289	ng/ul	97
24) Benzo(b)fluoranthene	23.187	252	1194244	17.849	ng/ul	87
26) Benzo(a)pyrene	23.812	252	741362	12.301	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	26.427	276	615638	7.335	ng/ul#	85
28) Dibenzo(a,h)anthracene	26.437	278	156527	2.382	ng/ul	95
29) Benzo(g,h,i)perylene	27.198	276	552111	7.505	ng/ul	94

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

```
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Sample    : 03162-17  
Misc      :  
ALS Vial  : 23    Sample Multiplier: 1
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
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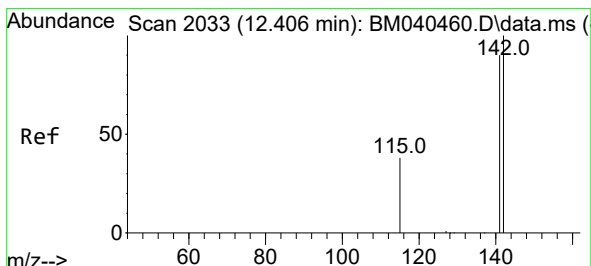
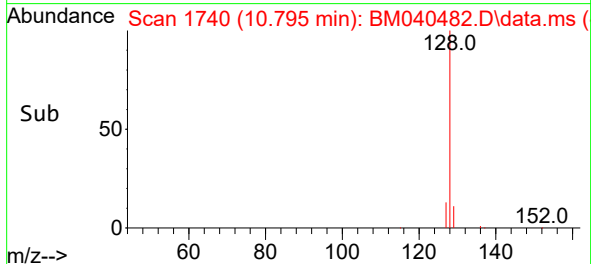
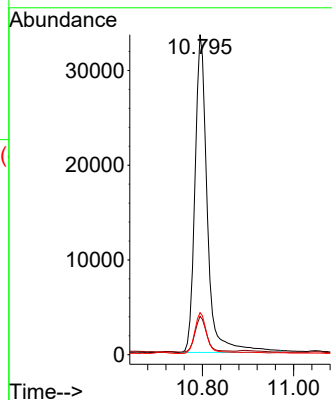
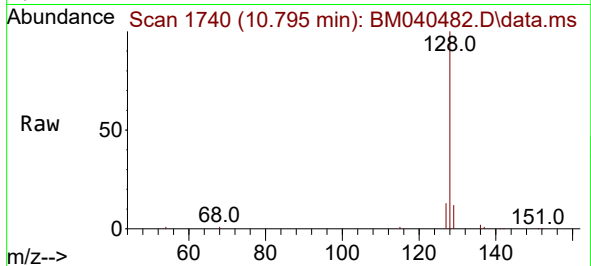




#5
Naphthalene
Concen: 0.901 ng/ul
RT: 10.795 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM040482.D
Acq: 30 Jun 2023 21:32

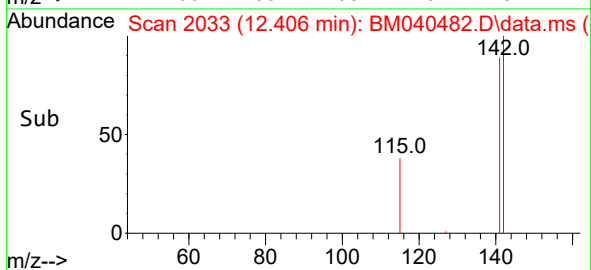
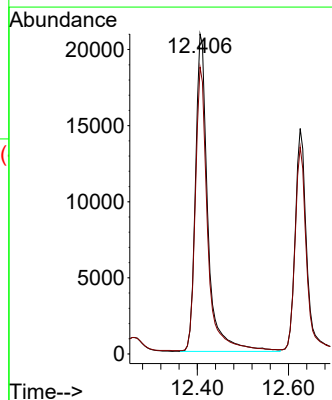
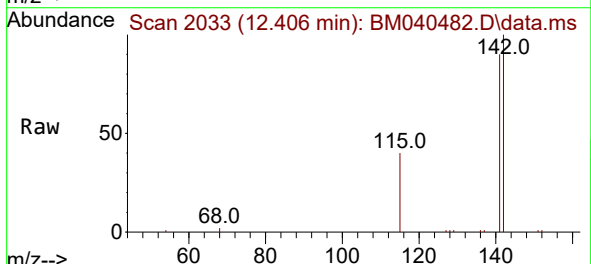
Instrument :
BNA_M
ClientSampleId :
DCFX3

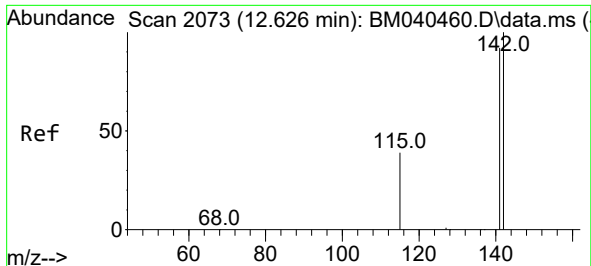
Tgt Ion:128 Resp: 63186
Ion Ratio Lower Upper
128 100
129 12.0 9.2 13.8
127 13.2 10.6 15.8



#7
2-Methylnaphthalene
Concen: 0.954 ng/ul
RT: 12.406 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BM040482.D
Acq: 30 Jun 2023 21:32

Tgt Ion:142 Resp: 39317
Ion Ratio Lower Upper
142 100
141 88.0 71.9 107.9

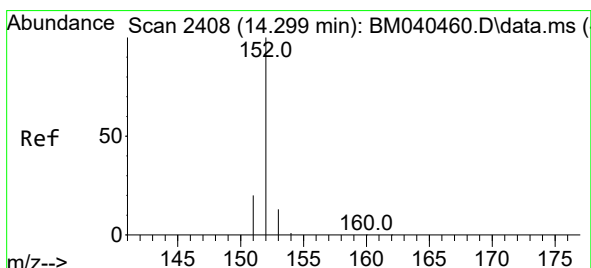
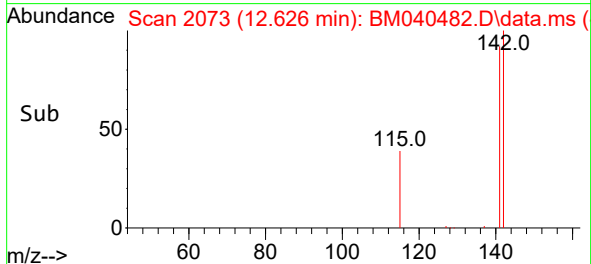
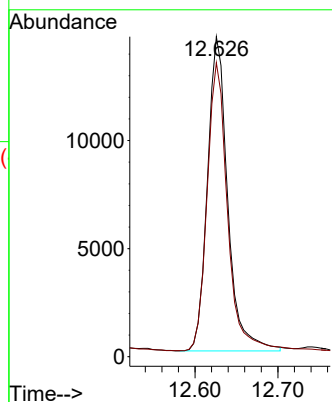
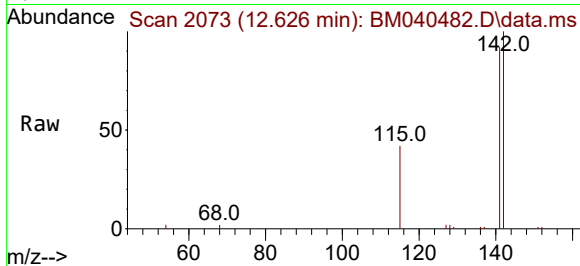




#8
1-Methylnaphthalene
Concen: 0.601 ng/ul
RT: 12.626 min Scan# 2073
Delta R.T. 0.000 min
Lab File: BM040482.D
Acq: 30 Jun 2023 21:32

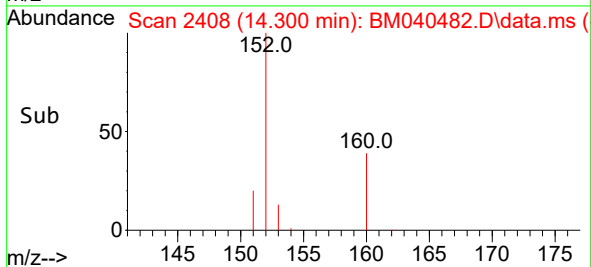
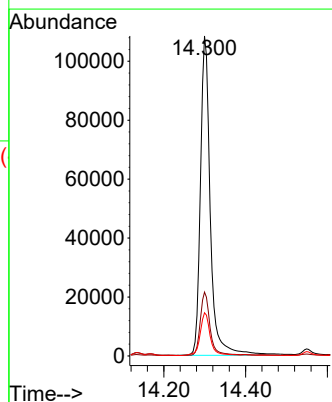
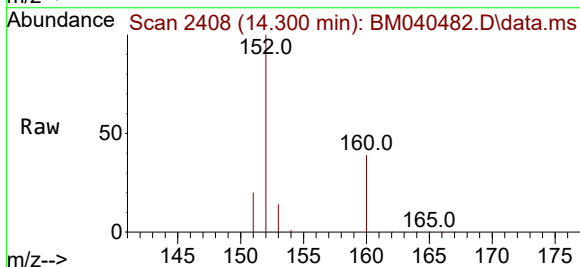
Instrument :
BNA_M
ClientSampleId :
DCFX3

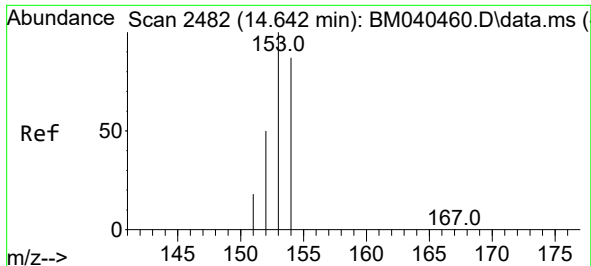
Tgt Ion:142 Resp: 24737
Ion Ratio Lower Upper
142 100
141 91.8 73.7 110.5



#10
Acenaphthylene
Concen: 2.915 ng/ul
RT: 14.300 min Scan# 2408
Delta R.T. 0.000 min
Lab File: BM040482.D
Acq: 30 Jun 2023 21:32

Tgt Ion:152 Resp: 181451
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.2
153 13.5 10.9 16.3

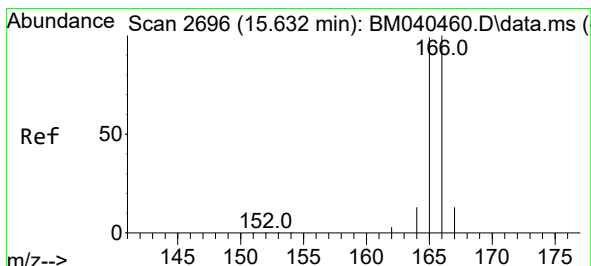
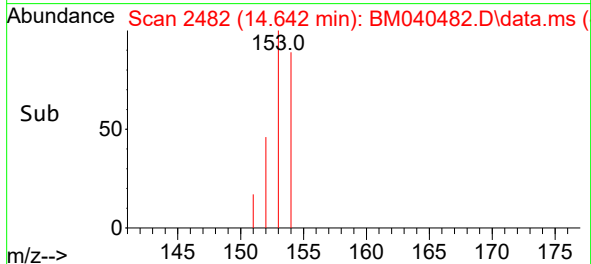
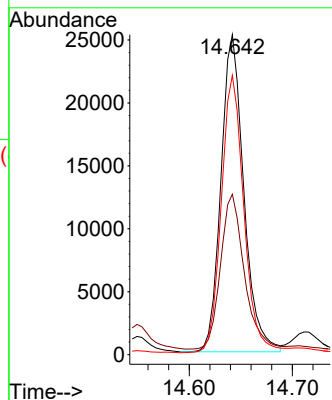
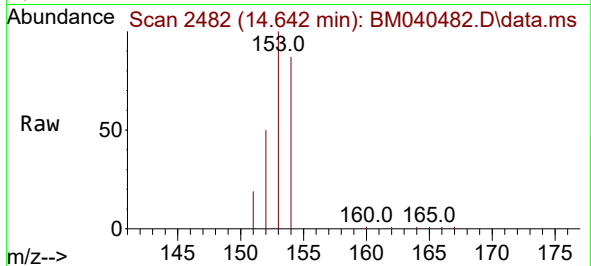




#11
Acenaphthene
Concen: 0.737 ng/ul
RT: 14.642 min Scan# 2482
Delta R.T. 0.000 min
Lab File: BM040482.D
Acq: 30 Jun 2023 21:32

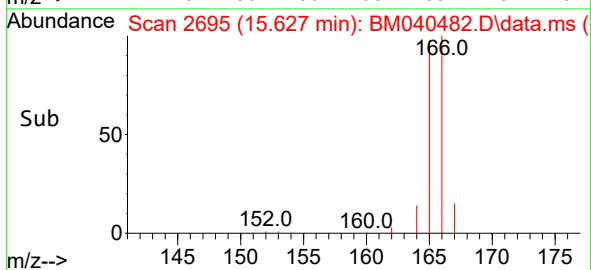
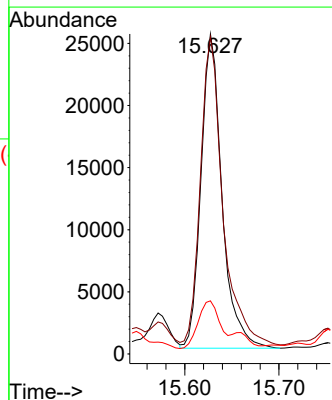
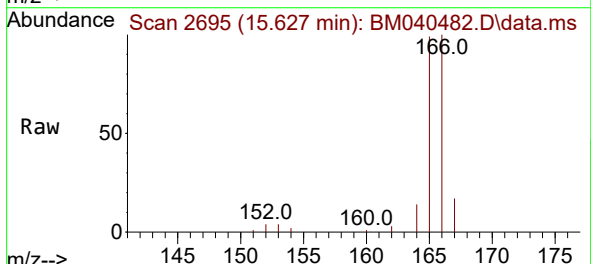
Instrument :
BNA_M
ClientSampleId :
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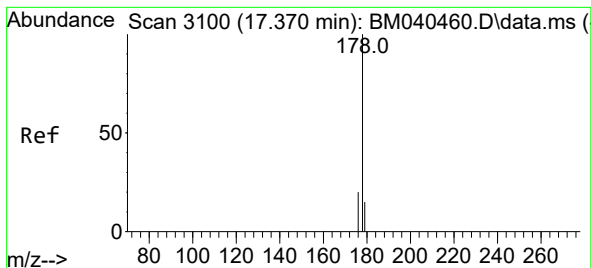
Tgt Ion:153 Resp: 38771
Ion Ratio Lower Upper
153 100
152 50.1 41.0 61.4
154 87.3 70.8 106.2



#12
Fluorene
Concen: 0.699 ng/ul
RT: 15.627 min Scan# 2695
Delta R.T. -0.005 min
Lab File: BM040482.D
Acq: 30 Jun 2023 21:32

Tgt Ion:166 Resp: 39215
Ion Ratio Lower Upper
166 100
165 99.1 79.6 119.4
167 16.6 11.4 17.0





#15

Phenanthrene

Concen: 9.433 ng/ul

RT: 17.366 min Scan# 3099

Delta R.T. -0.004 min

Lab File: BM040482.D

Acq: 30 Jun 2023 21:32

Instrument :

BNA_M

ClientSampleId :

DCFX3

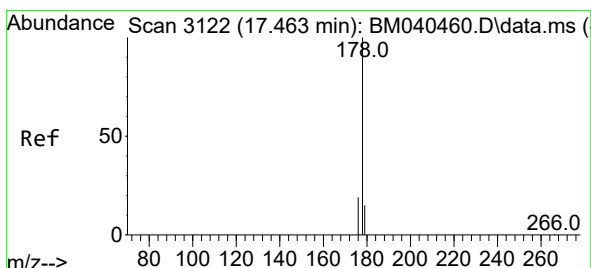
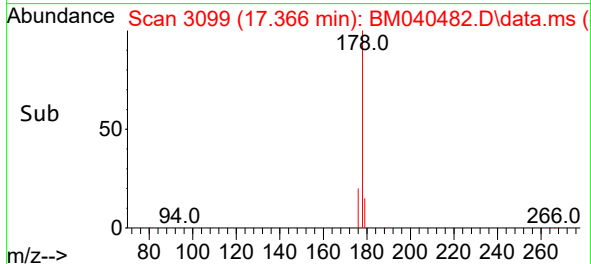
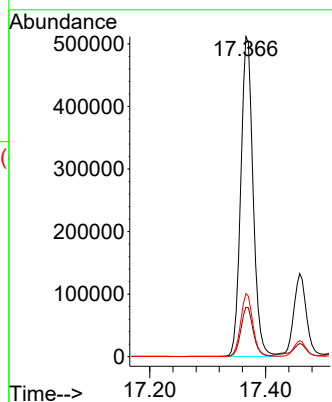
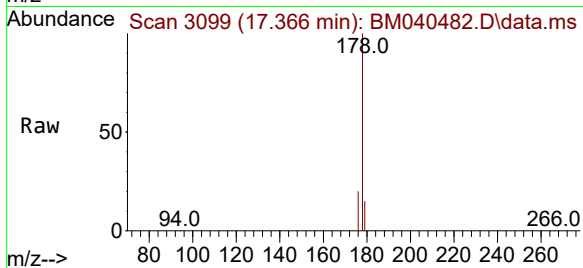
Tgt Ion:178 Resp: 754156

Ion Ratio Lower Upper

178 100

179 15.5 12.8 19.2

176 19.7 16.4 24.6



#16

Anthracene

Concen: 2.761 ng/ul

RT: 17.459 min Scan# 3121

Delta R.T. -0.004 min

Lab File: BM040482.D

Acq: 30 Jun 2023 21:32

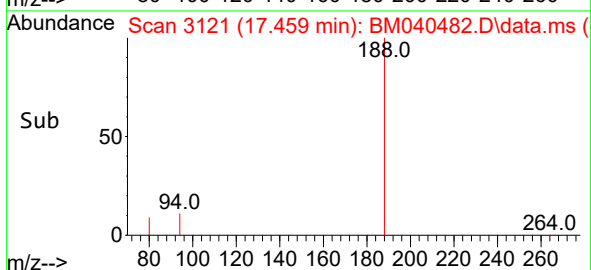
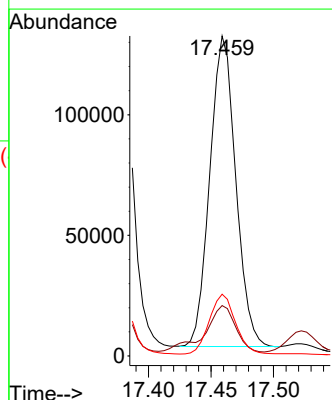
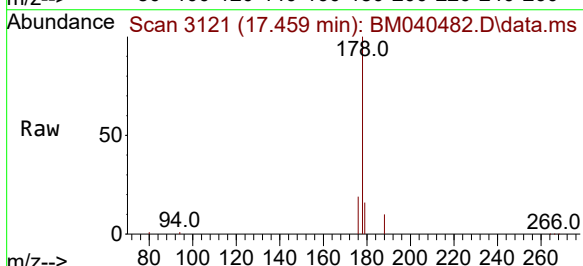
Tgt Ion:178 Resp: 185474

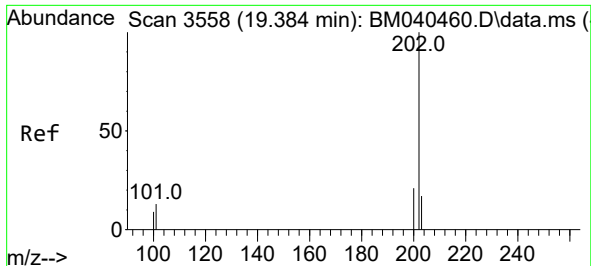
Ion Ratio Lower Upper

178 100

179 15.7 12.9 19.3

176 19.3 15.8 23.6

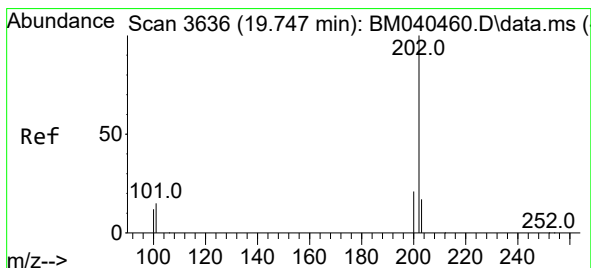
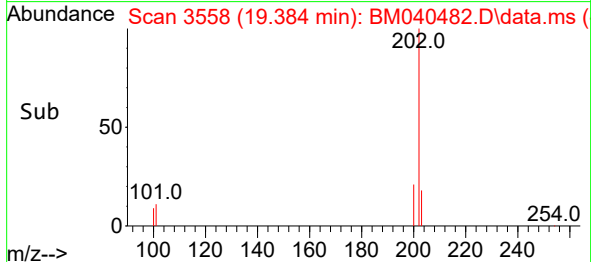
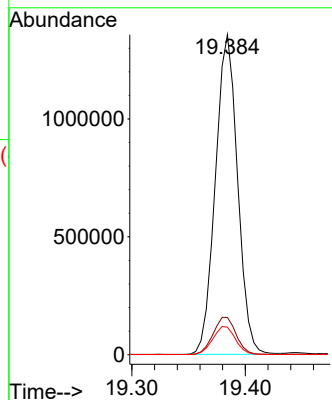
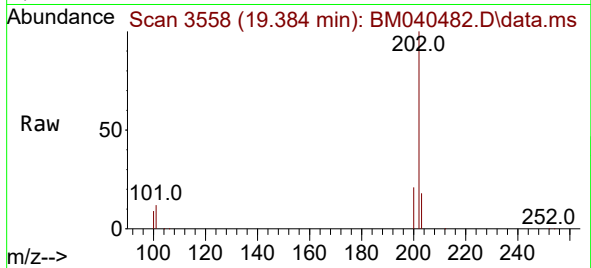




#19
Fluoranthene
Concen: 33.470 ng/ul
RT: 19.384 min Scan# 3558
Delta R.T. 0.000 min
Lab File: BM040482.D
Acq: 30 Jun 2023 21:32

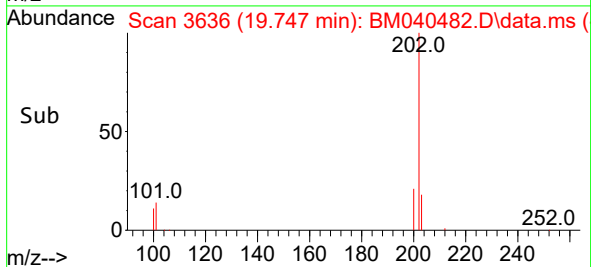
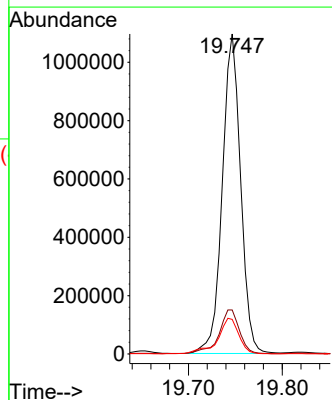
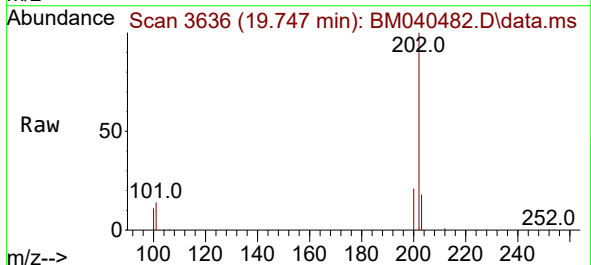
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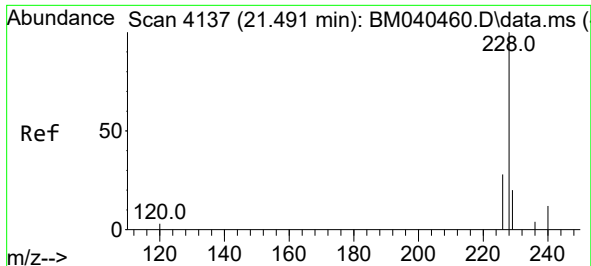
Tgt Ion:202 Resp: 1843685
Ion Ratio Lower Upper
202 100
101 11.6 11.4 17.0
100 8.6 8.7 13.1#



#20
Pyrene
Concen: 25.175 ng/ul
RT: 19.747 min Scan# 3636
Delta R.T. 0.000 min
Lab File: BM040482.D
Acq: 30 Jun 2023 21:32

Tgt Ion:202 Resp: 1486742
Ion Ratio Lower Upper
202 100
101 13.8 12.6 18.8
100 10.8 9.8 14.6

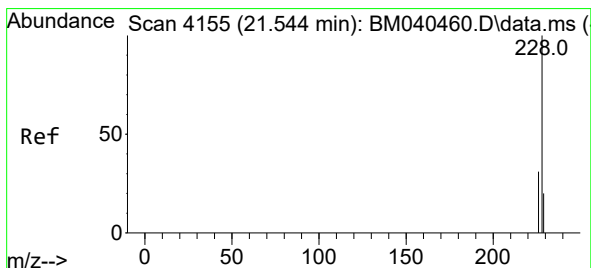
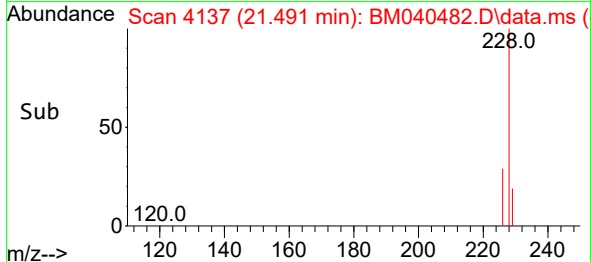
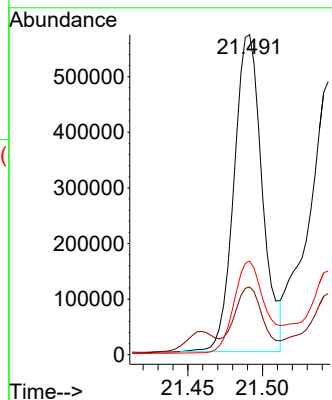
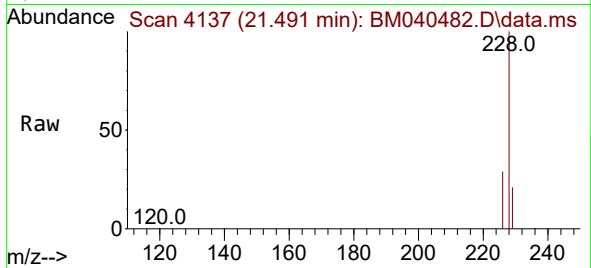




#21
Benzo(a)anthracene
Concen: 17.097 ng/ul
RT: 21.491 min Scan# 4137
Delta R.T. 0.000 min
Lab File: BM040482.D
Acq: 30 Jun 2023 21:32

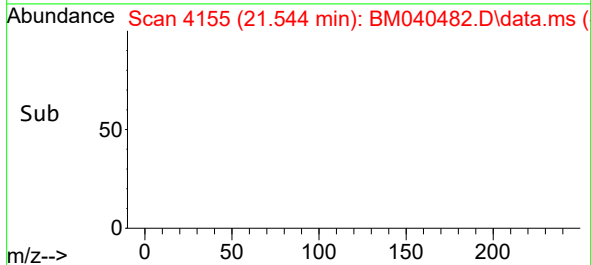
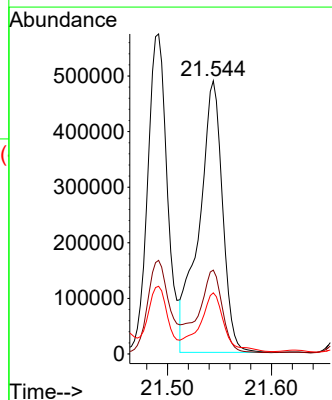
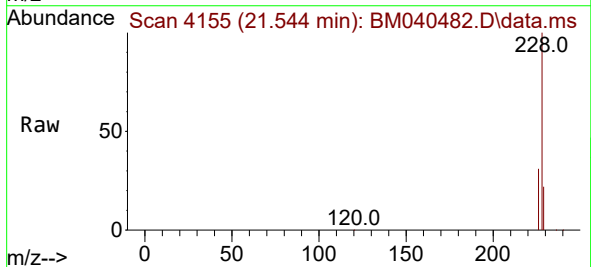
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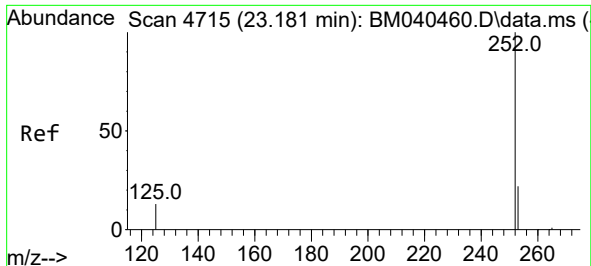
Tgt Ion:228 Resp: 749945
Ion Ratio Lower Upper
228 100
229 21.1 16.0 24.0
226 29.3 22.3 33.5



#22
Chrysene
Concen: 15.289 ng/ul
RT: 21.544 min Scan# 4155
Delta R.T. 0.000 min
Lab File: BM040482.D
Acq: 30 Jun 2023 21:32

Tgt Ion:228 Resp: 765030
Ion Ratio Lower Upper
228 100
226 30.7 24.9 37.3
229 22.4 15.8 23.6

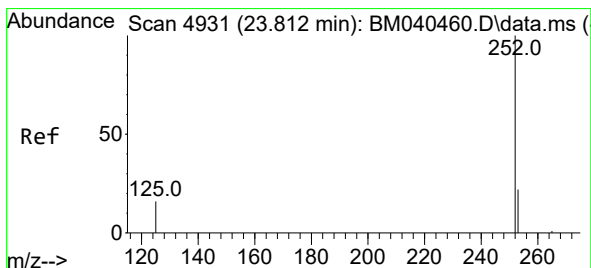
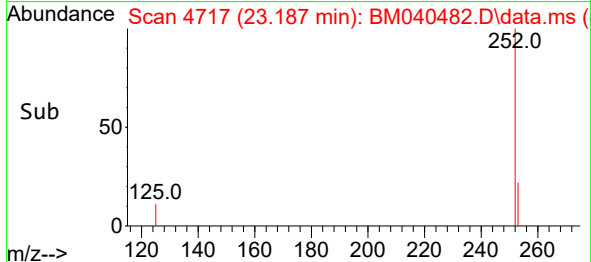
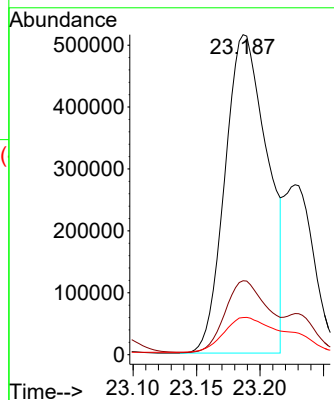
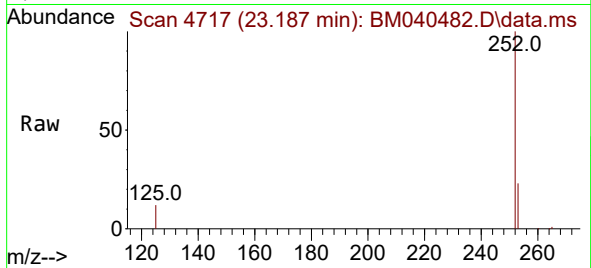




#24
Benzo(b)fluoranthene
Concen: 17.849 ng/ul
RT: 23.187 min Scan# 4715
Delta R.T. 0.006 min
Lab File: BM040482.D
Acq: 30 Jun 2023 21:32

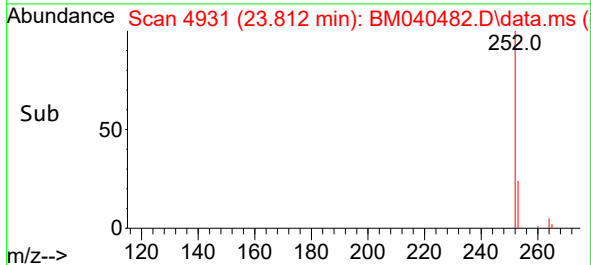
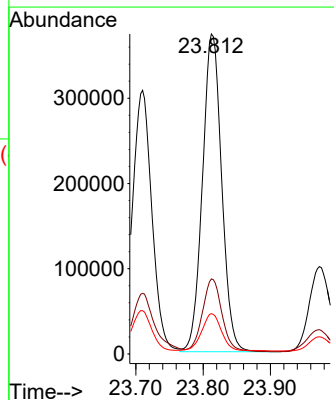
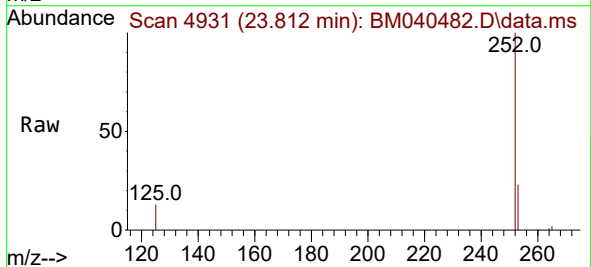
Instrument :
BNA_M
ClientSampleId :
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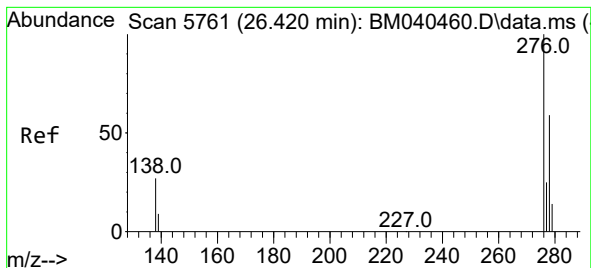
Tgt Ion:252 Resp: 1194244
Ion Ratio Lower Upper
252 100
253 23.1 0.0 52.8
125 11.6 0.0 43.0



#26
Benzo(a)pyrene
Concen: 12.301 ng/ul
RT: 23.812 min Scan# 4931
Delta R.T. 0.000 min
Lab File: BM040482.D
Acq: 30 Jun 2023 21:32

Tgt Ion:252 Resp: 741362
Ion Ratio Lower Upper
252 100
253 23.5 22.9 34.3
125 12.6 21.0 31.4#





#27

Indeno(1,2,3-cd)pyrene

Concen: 7.335 ng/ul

RT: 26.427 min Scan# 5

Delta R.T. 0.007 min

Lab File: BM040482.D

Acq: 30 Jun 2023 21:32

Instrument :

BNA_M

ClientSampleId :

DCFX3

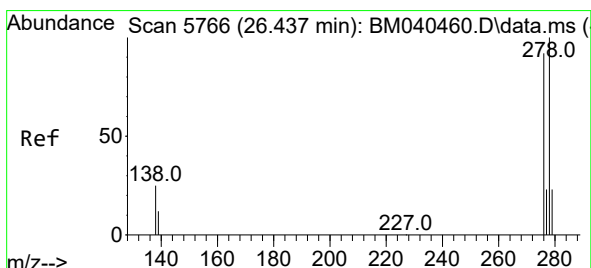
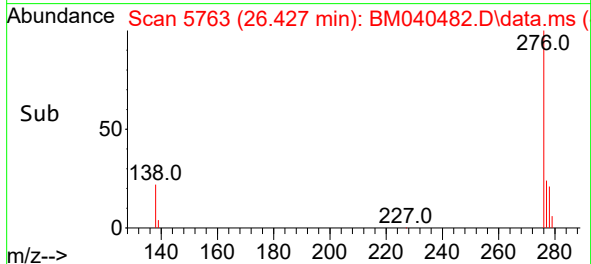
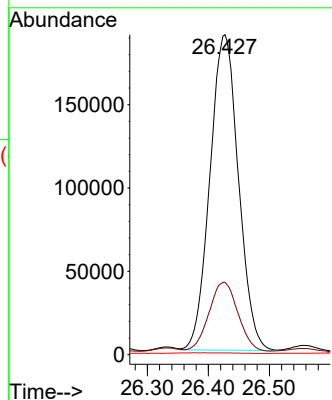
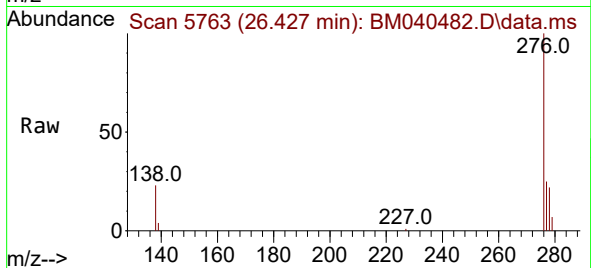
Tgt Ion:276 Resp: 615638

Ion Ratio Lower Upper

276 100

138 22.3 24.5 36.7#

227 0.0 0.1 0.1#



#28

Dibenzo(a,h)anthracene

Concen: 2.382 ng/ul

RT: 26.437 min Scan# 5766

Delta R.T. 0.000 min

Lab File: BM040482.D

Acq: 30 Jun 2023 21:32

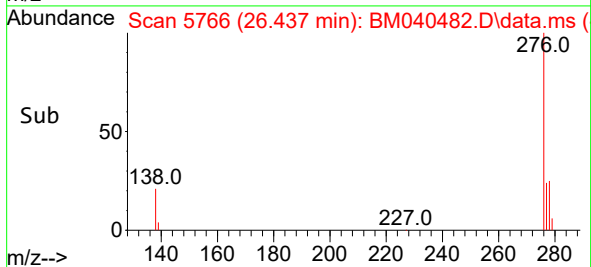
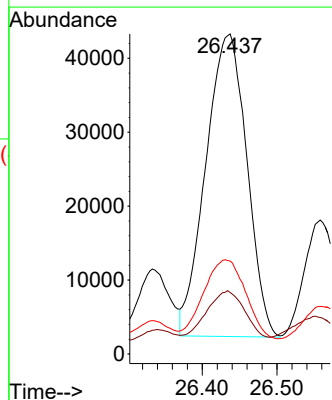
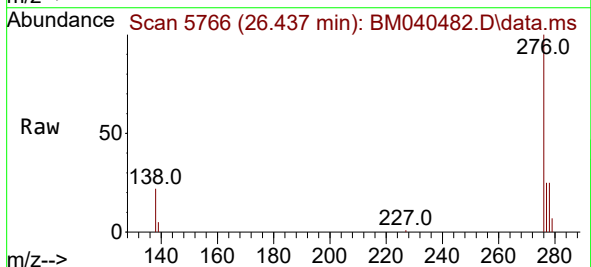
Tgt Ion:278 Resp: 156527

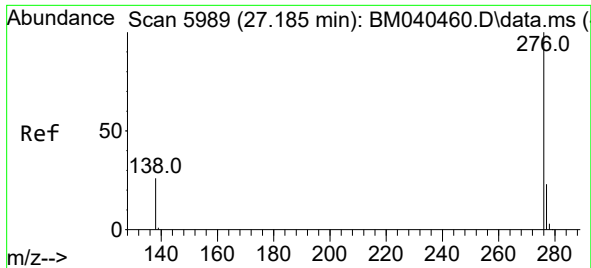
Ion Ratio Lower Upper

278 100

139 19.2 17.9 26.9

279 29.1 22.0 33.0





#29
 Benzo(g,h,i)perylene
 Concen: 7.505 ng/ul
 RT: 27.198 min Scan# 5993
 Delta R.T. 0.014 min
 Lab File: BM040482.D
 Acq: 30 Jun 2023 21:32

Instrument :
 BNA_M
 ClientSampleId :
 DCFX3

Tgt Ion:	276	Resp:	552111
Ion	Ratio	Lower	Upper
276	100		
138	23.3	23.0	34.6
277	24.3	20.3	30.5

