

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM063023\
 Data File : BM040483.D
 Acq On : 30 Jun 2023 22:09
 Operator : MA/JU
 Sample : 03162-18
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFX4

Quant Time: Jul 01 03:05:15 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

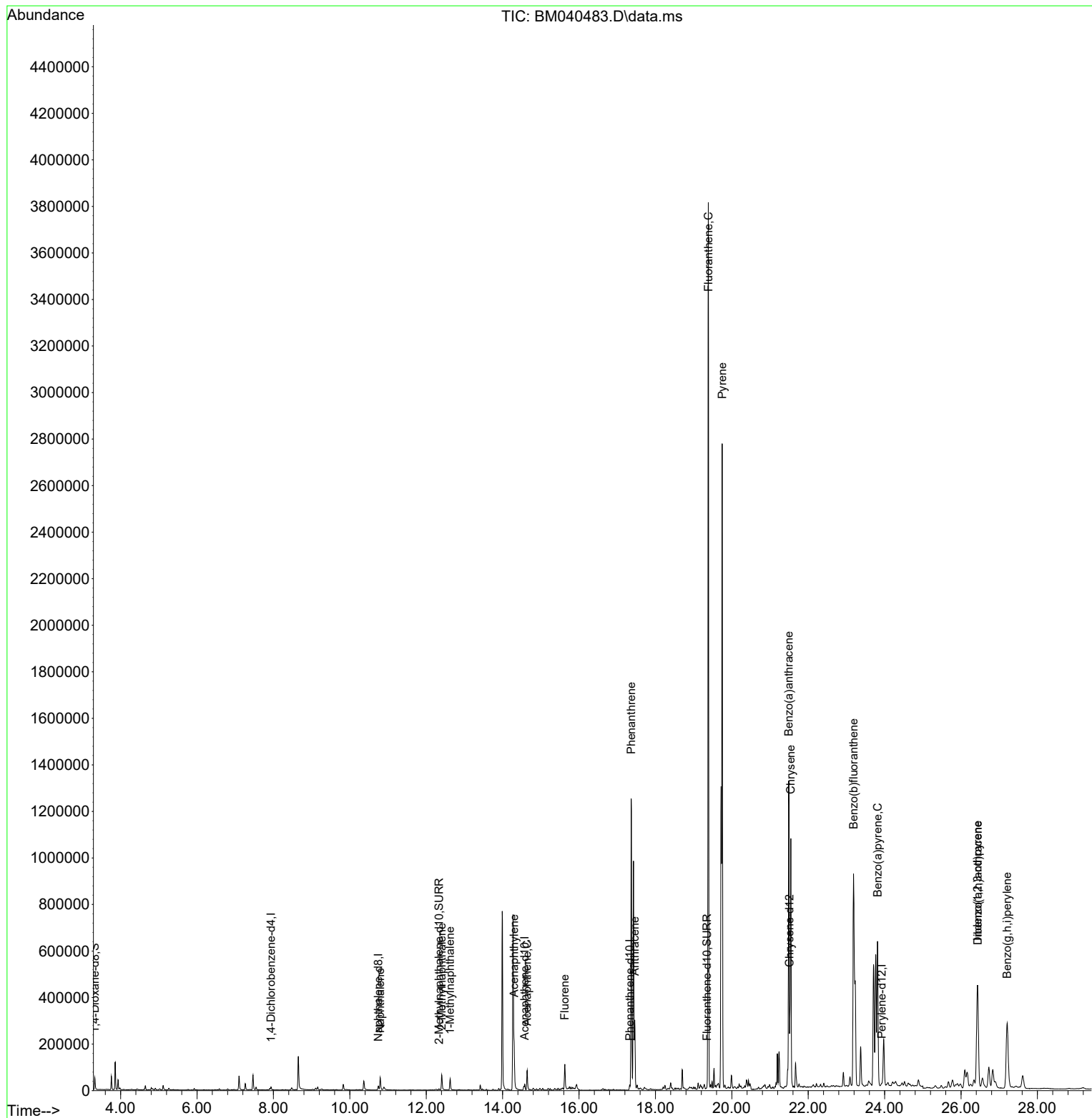
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.936	152	6858	0.400	ng/ul	0.00
4) Naphthalene-d8	10.745	136	24132	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.577	164	13664	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.324	188	25979	0.400	ng/ul	0.00
17) Chrysene-d12	21.506	240	14311	0.400	ng/ul #	0.00
23) Perylene-d12	23.923	264	17387	0.400	ng/ul #	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.325	96	30347	2.817	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.334	152	7782	0.230	ng/ul	0.00
18) Fluoranthene-d10	19.352	212	13339	0.291	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.795	128	79585	1.196	ng/ul	100
7) 2-Methylnaphthalene	12.406	142	51520	1.318	ng/ul	98
8) 1-Methylnaphthalene	12.626	142	34907	0.893	ng/ul	100
10) Acenaphthylene	14.300	152	204779	3.355	ng/ul	100
11) Acenaphthene	14.642	153	50987	0.989	ng/ul	99
12) Fluorene	15.627	166	72552	1.318	ng/ul	98
15) Phenanthrene	17.366	178	1350524	16.736	ng/ul	99
16) Anthracene	17.459	178	294270	4.339	ng/ul	99
19) Fluoranthene	19.384	202	3012077	49.549	ng/ul#	93
20) Pyrene	19.747	202	2208557	33.888	ng/ul	96
21) Benzo(a)anthracene	21.491	228	1122497	23.189	ng/ul	98
22) Chrysene	21.544	228	1069270	19.364	ng/ul	97
24) Benzo(b)fluoranthene	23.187	252	1635100	24.300	ng/ul	87
26) Benzo(a)pyrene	23.815	252	919730	15.174	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	26.431	276	803896	9.523	ng/ul#	84
28) Dibenzo(a,h)anthracene	26.437	278	205176	3.104	ng/ul	94
29) Benzo(g,h,i)perylene	27.209	276	698519	9.441	ng/ul#	93

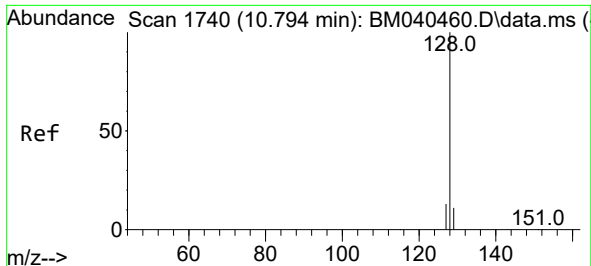
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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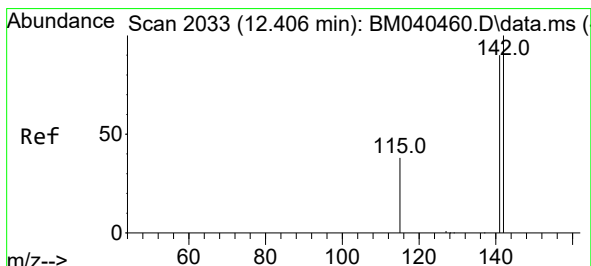
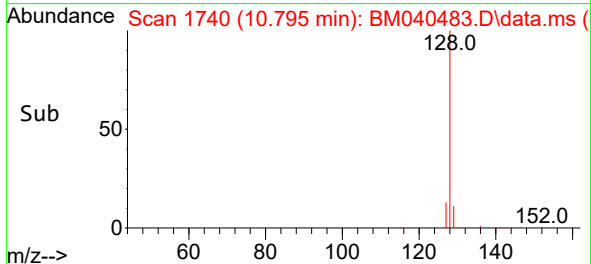
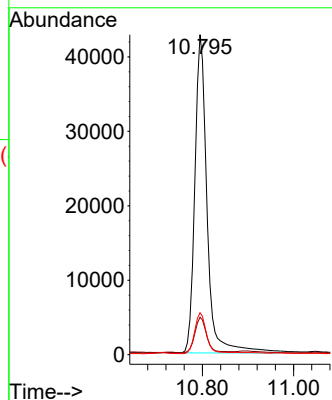
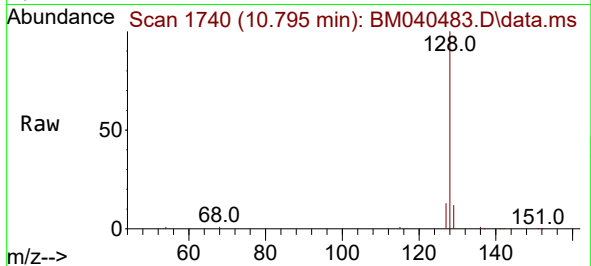




#5
Naphthalene
Concen: 1.196 ng/ul
RT: 10.795 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM040483.D
Acq: 30 Jun 2023 22:09

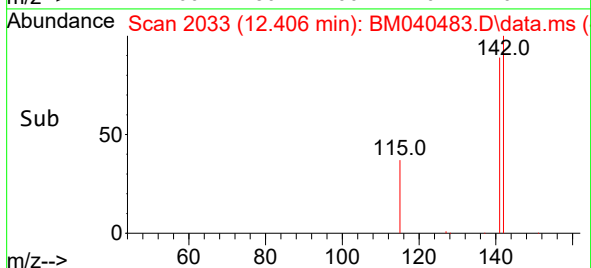
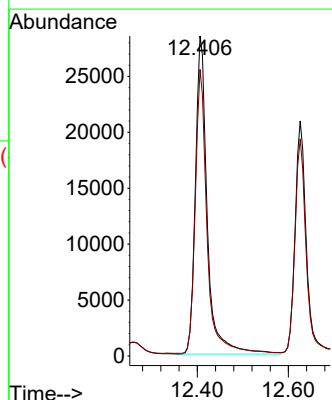
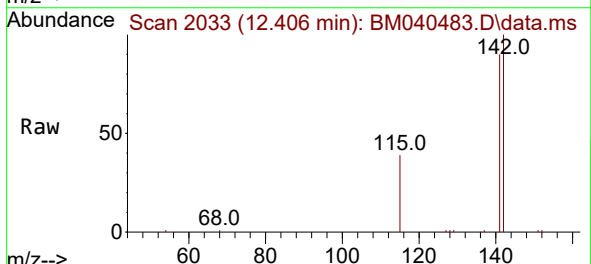
Instrument :
BNA_M
ClientSampleId :
DCFX4

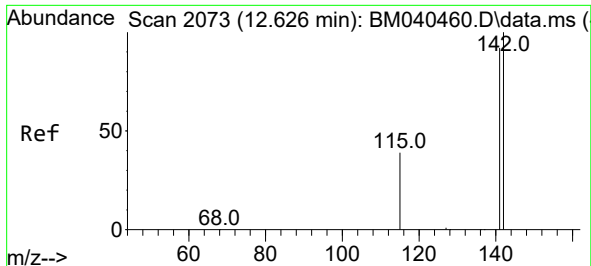
Tgt Ion:128 Resp: 79585
Ion Ratio Lower Upper
128 100
129 11.7 9.2 13.8
127 13.1 10.6 15.8



#7
2-Methylnaphthalene
Concen: 1.318 ng/ul
RT: 12.406 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BM040483.D
Acq: 30 Jun 2023 22:09

Tgt Ion:142 Resp: 51520
Ion Ratio Lower Upper
142 100
141 87.8 71.9 107.9

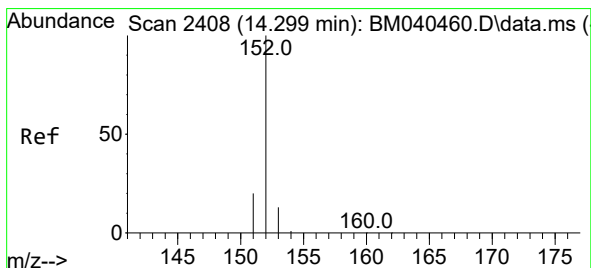
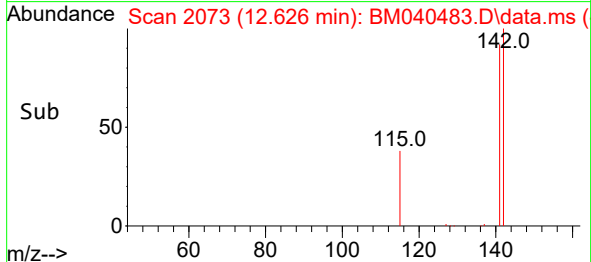
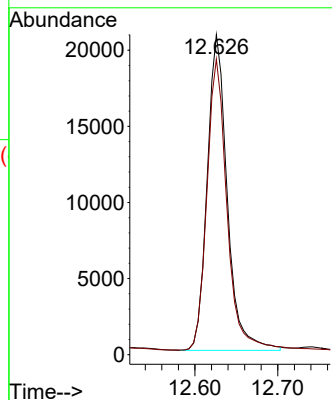
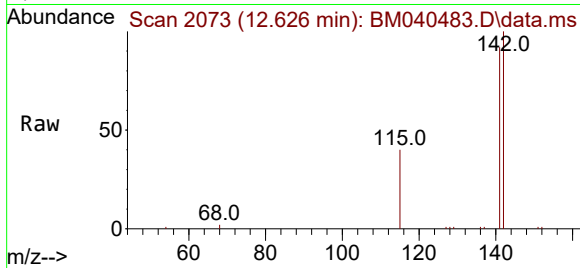




#8
1-Methylnaphthalene
Concen: 0.893 ng/ul
RT: 12.626 min Scan# 2073
Delta R.T. 0.000 min
Lab File: BM040483.D
Acq: 30 Jun 2023 22:09

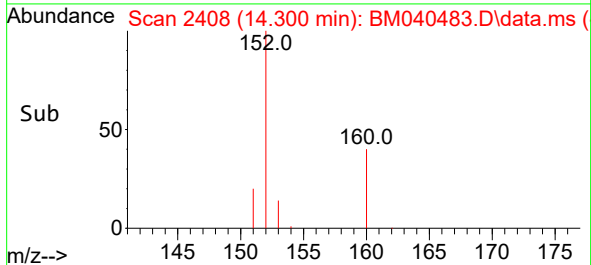
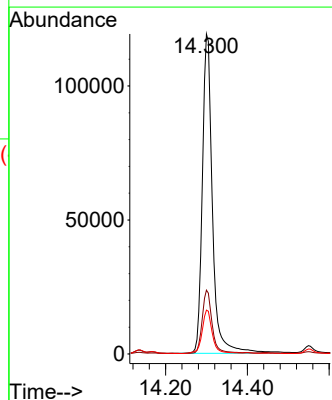
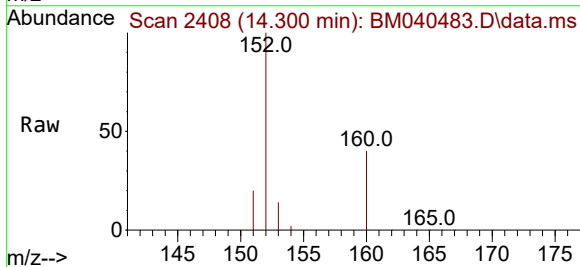
Instrument :
BNA_M
ClientSampleId :
DCFX4

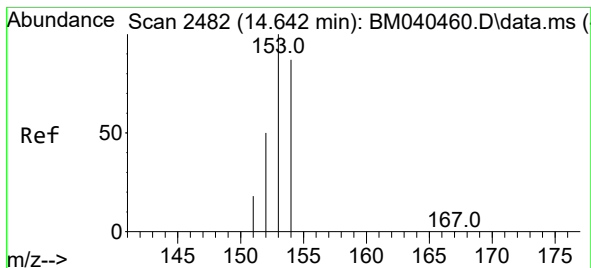
Tgt Ion:142 Resp: 34907
Ion Ratio Lower Upper
142 100
141 91.9 73.7 110.5



#10
Acenaphthylene
Concen: 3.355 ng/ul
RT: 14.300 min Scan# 2408
Delta R.T. 0.000 min
Lab File: BM040483.D
Acq: 30 Jun 2023 22:09

Tgt Ion:152 Resp: 204779
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.2
153 13.7 10.9 16.3





#11

Acenaphthene

Concen: 0.989 ng/ul

RT: 14.642 min Scan# 2482

Delta R.T. 0.000 min

Lab File: BM040483.D

Acq: 30 Jun 2023 22:09

Instrument :

BNA_M

ClientSampleId :

DCFX4

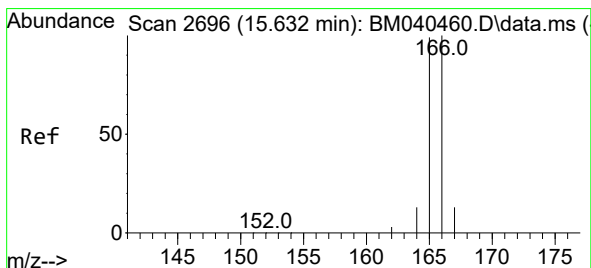
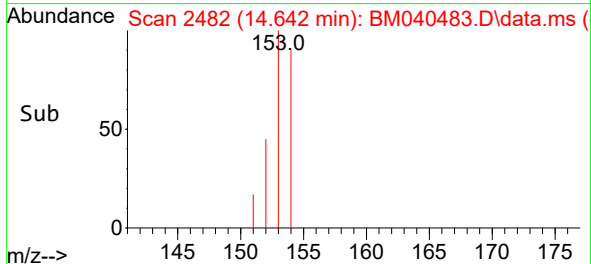
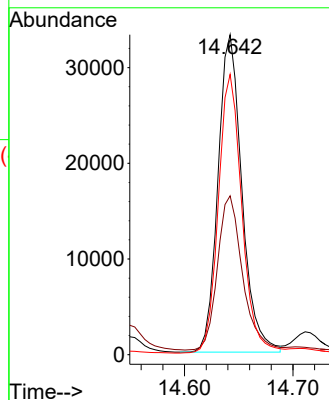
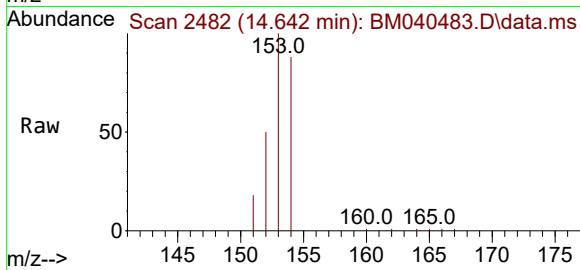
Tgt Ion:153 Resp: 50987

Ion Ratio Lower Upper

153 100

152 49.6 41.0 61.4

154 87.6 70.8 106.2



#12

Fluorene

Concen: 1.318 ng/ul

RT: 15.627 min Scan# 2695

Delta R.T. -0.004 min

Lab File: BM040483.D

Acq: 30 Jun 2023 22:09

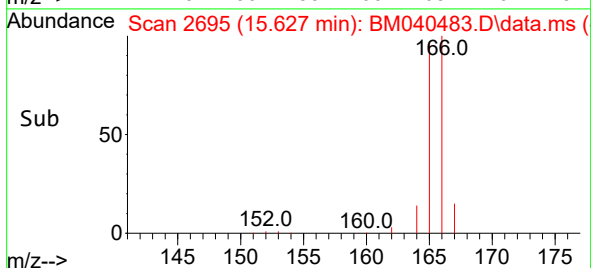
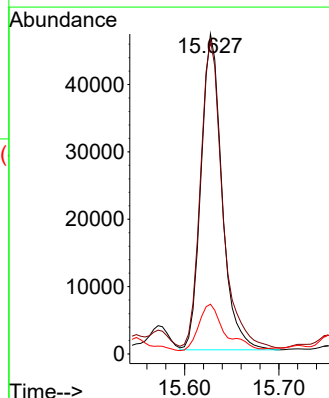
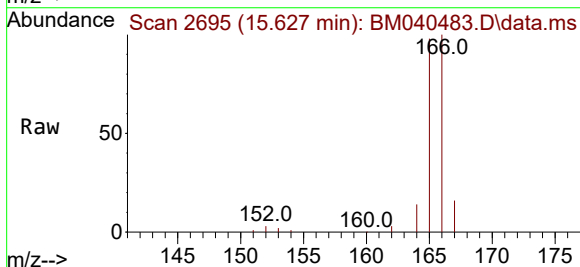
Tgt Ion:166 Resp: 72552

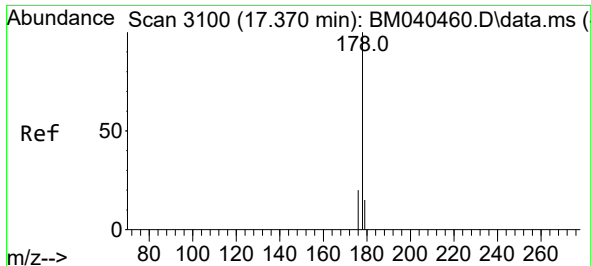
Ion Ratio Lower Upper

166 100

165 98.2 79.6 119.4

167 15.6 11.4 17.0

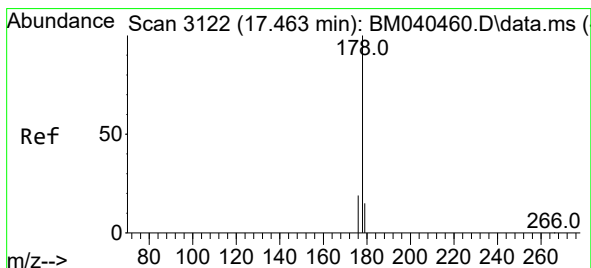
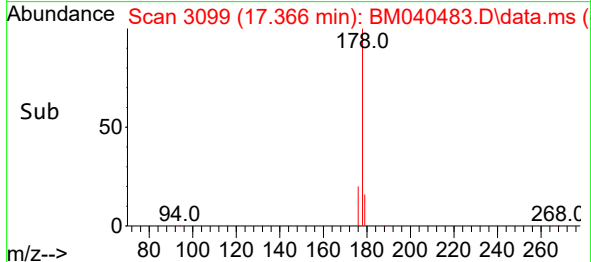
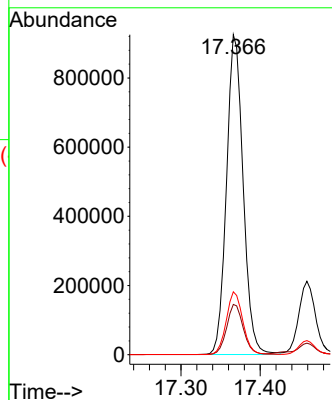
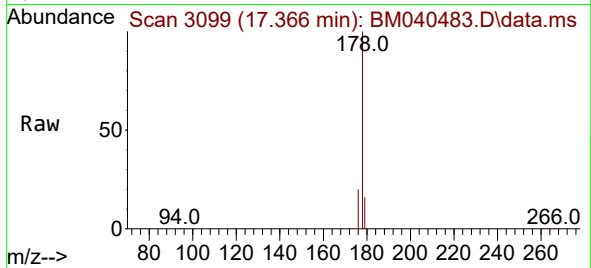




#15
Phenanthrene
Concen: 16.736 ng/ul
RT: 17.366 min Scan# 3099
Delta R.T. -0.004 min
Lab File: BM040483.D
Acq: 30 Jun 2023 22:09

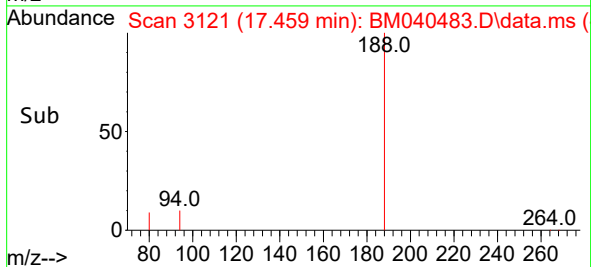
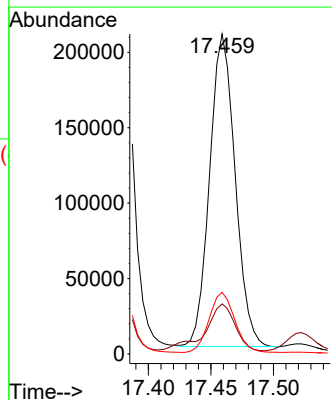
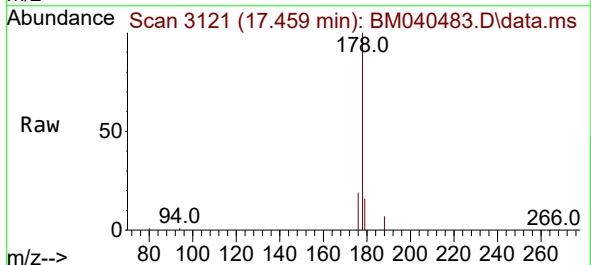
Instrument :
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DCFX4

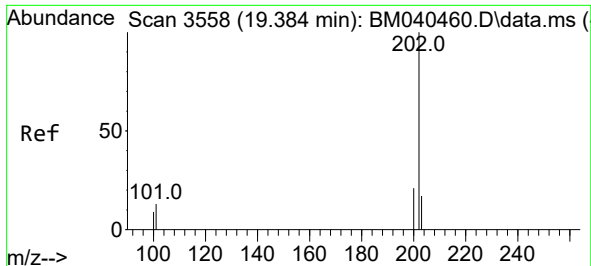
Tgt Ion:178 Resp: 1350524
Ion Ratio Lower Upper
178 100
179 15.7 12.8 19.2
176 19.7 16.4 24.6



#16
Anthracene
Concen: 4.339 ng/ul
RT: 17.459 min Scan# 3121
Delta R.T. -0.004 min
Lab File: BM040483.D
Acq: 30 Jun 2023 22:09

Tgt Ion:178 Resp: 294270
Ion Ratio Lower Upper
178 100
179 15.6 12.9 19.3
176 19.3 15.8 23.6

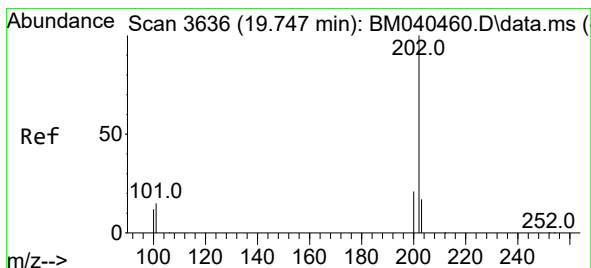
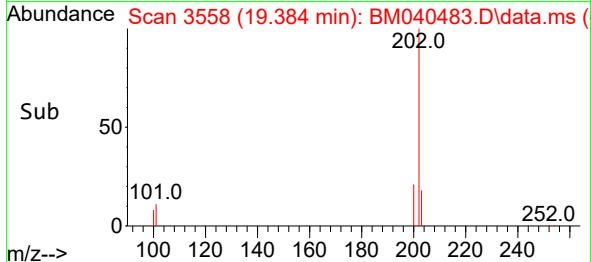
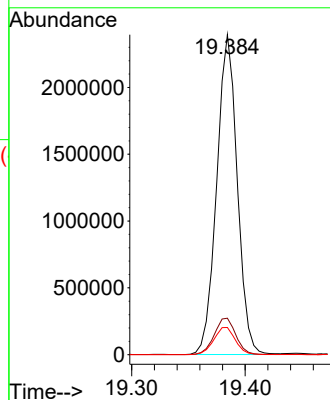
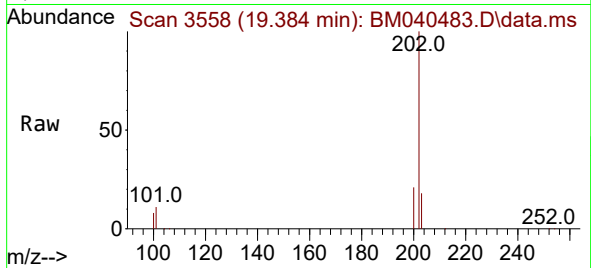




#19
Fluoranthene
Concen: 49.549 ng/ul
RT: 19.384 min Scan# 3558
Delta R.T. 0.000 min
Lab File: BM040483.D
Acq: 30 Jun 2023 22:09

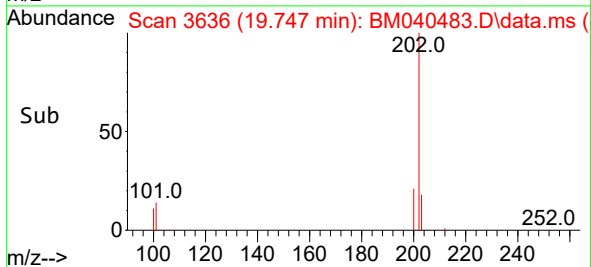
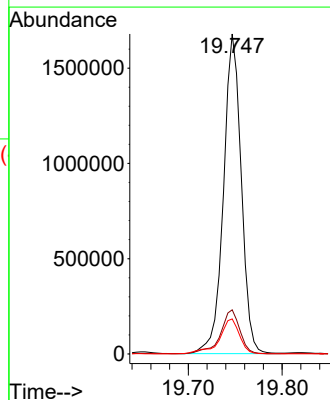
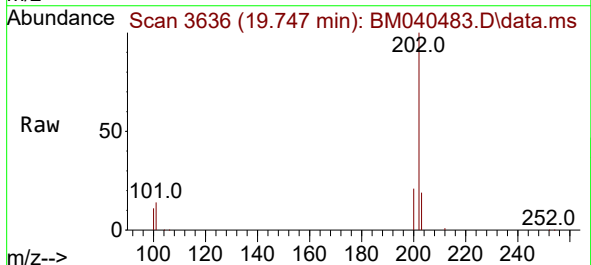
Instrument :
BNA_M
ClientSampleId :
DCFX4

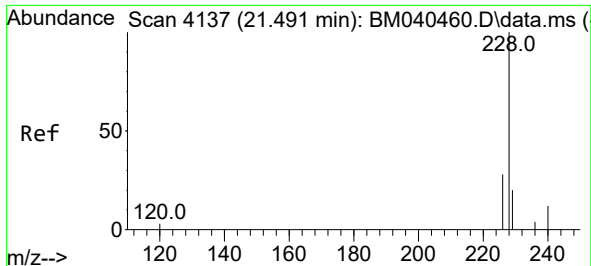
Tgt Ion:202 Resp: 3012077
Ion Ratio Lower Upper
202 100
101 11.4 11.4 17.0
100 8.5 8.7 13.1#



#20
Pyrene
Concen: 33.888 ng/ul
RT: 19.747 min Scan# 3636
Delta R.T. 0.000 min
Lab File: BM040483.D
Acq: 30 Jun 2023 22:09

Tgt Ion:202 Resp: 2208557
Ion Ratio Lower Upper
202 100
101 13.8 12.6 18.8
100 11.0 9.8 14.6

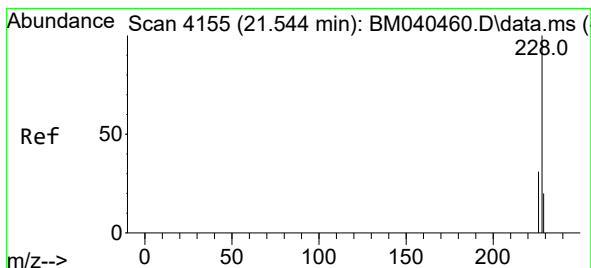
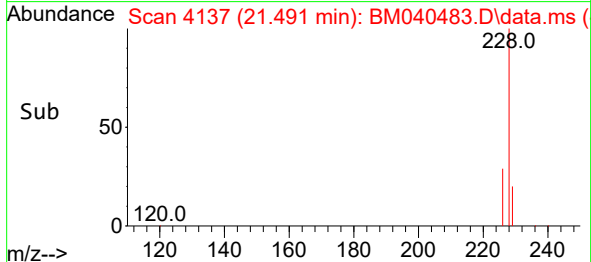
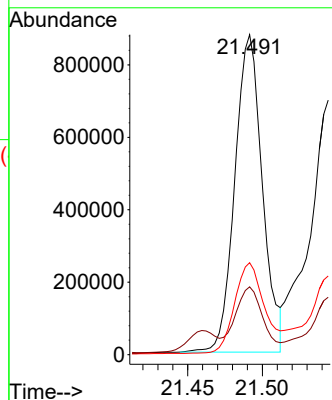
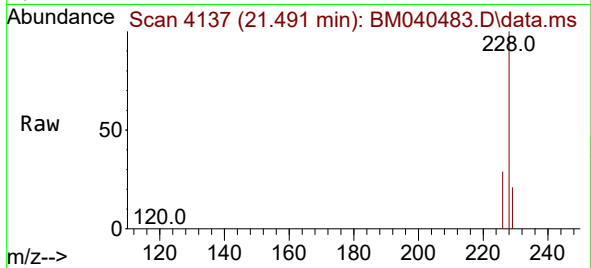




#21
Benzo(a)anthracene
Concen: 23.189 ng/ul
RT: 21.491 min Scan# 4137
Delta R.T. 0.000 min
Lab File: BM040483.D
Acq: 30 Jun 2023 22:09

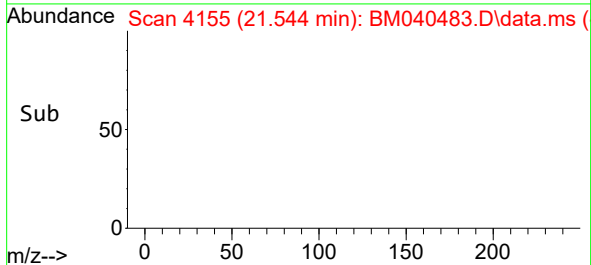
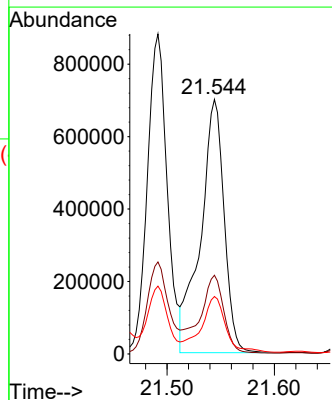
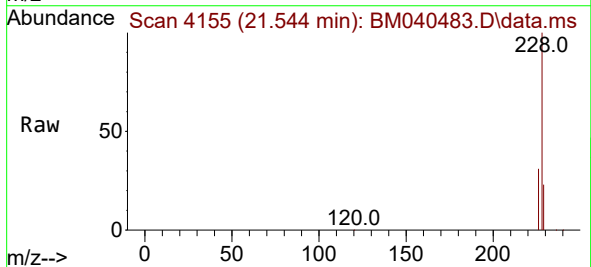
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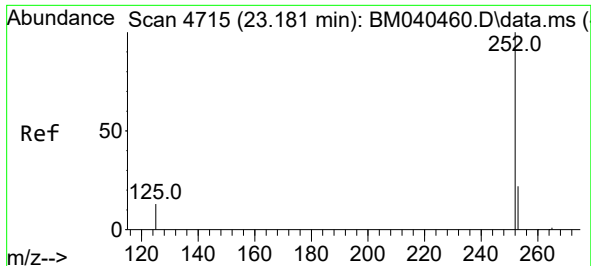
Tgt Ion:228 Resp: 1122497
Ion Ratio Lower Upper
228 100
229 21.2 16.0 24.0
226 28.8 22.3 33.5



#22
Chrysene
Concen: 19.364 ng/ul
RT: 21.544 min Scan# 4155
Delta R.T. 0.000 min
Lab File: BM040483.D
Acq: 30 Jun 2023 22:09

Tgt Ion:228 Resp: 1069270
Ion Ratio Lower Upper
228 100
226 30.9 24.9 37.3
229 22.6 15.8 23.6

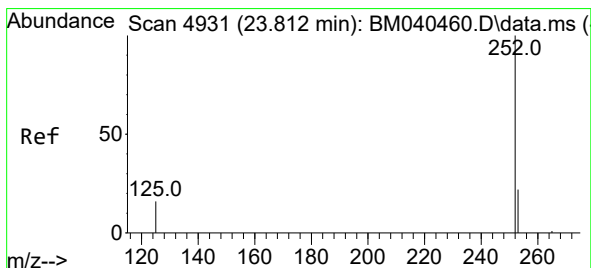
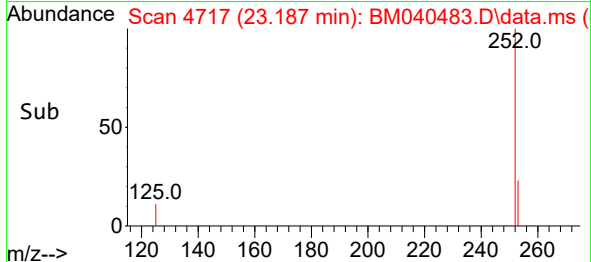
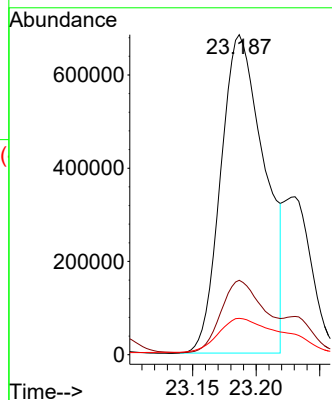
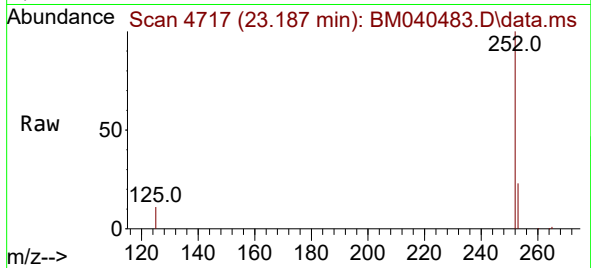




#24
Benzo(b)fluoranthene
Concen: 24.300 ng/ul
RT: 23.187 min Scan# 4715
Delta R.T. 0.006 min
Lab File: BM040483.D
Acq: 30 Jun 2023 22:09

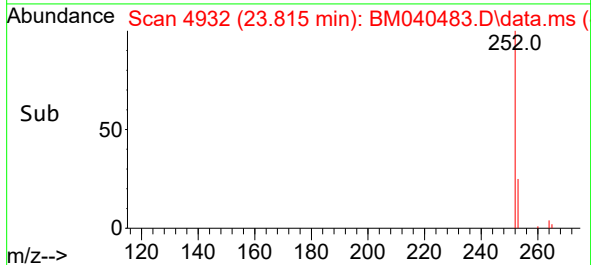
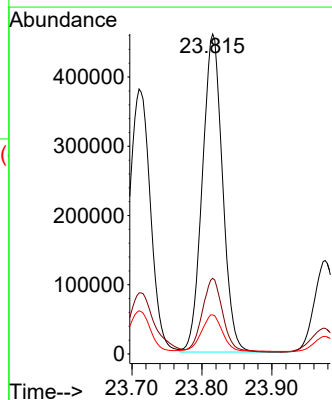
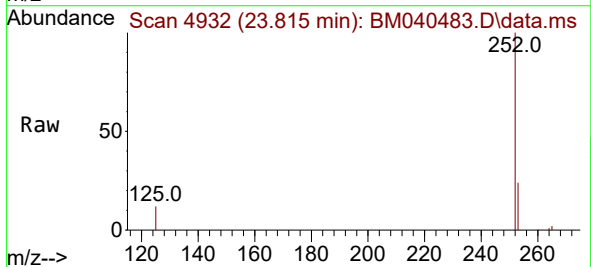
Instrument :
BNA_M
ClientSampleId :
DCFX4

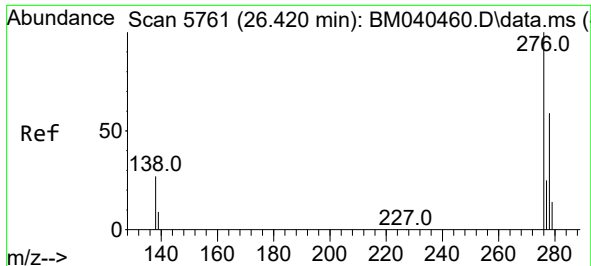
Tgt Ion:252 Resp: 1635100
Ion Ratio Lower Upper
252 100
253 23.2 0.0 52.8
125 11.4 0.0 43.0



#26
Benzo(a)pyrene
Concen: 15.174 ng/ul
RT: 23.815 min Scan# 4932
Delta R.T. 0.003 min
Lab File: BM040483.D
Acq: 30 Jun 2023 22:09

Tgt Ion:252 Resp: 919730
Ion Ratio Lower Upper
252 100
253 23.6 22.9 34.3
125 12.2 21.0 31.4#

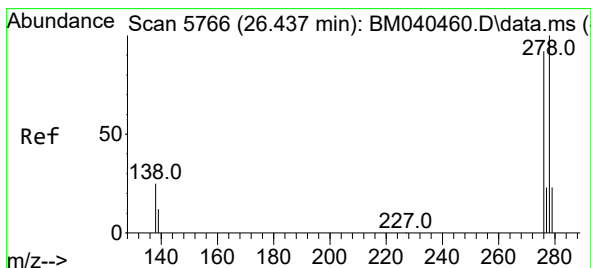
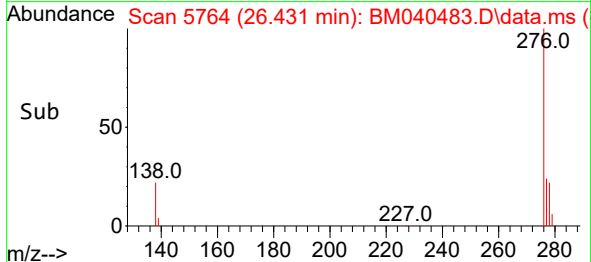
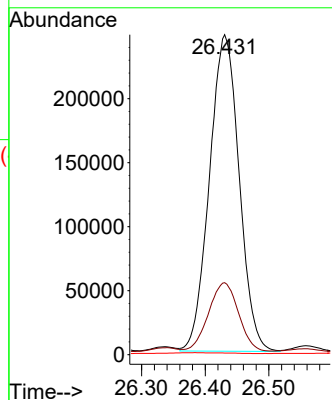
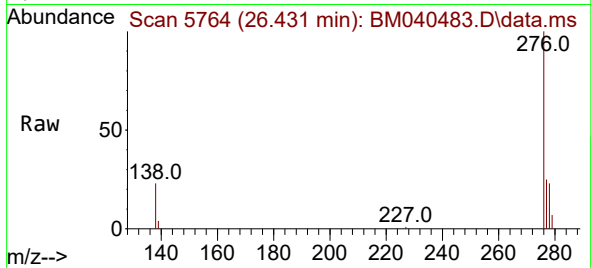




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 9.523 ng/ul
 RT: 26.431 min Scan# 5764
 Delta R.T. 0.010 min
 Lab File: BM040483.D
 Acq: 30 Jun 2023 22:09

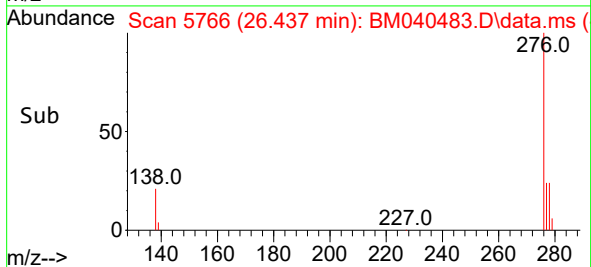
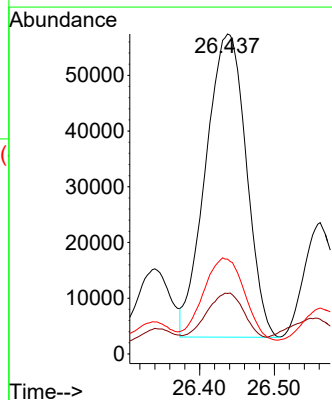
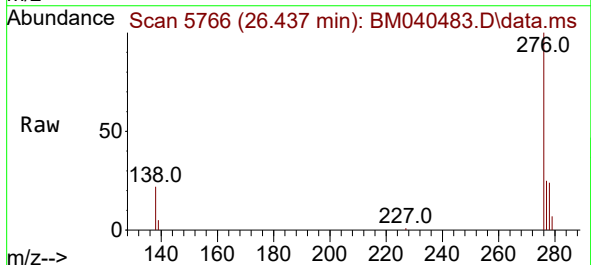
Instrument :
 BNA_M
 ClientSampleId :
 DCFX4

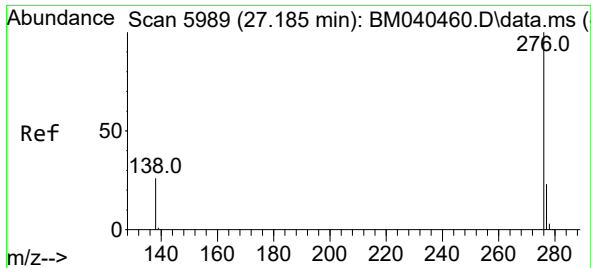
Tgt Ion:276 Resp: 803896
 Ion Ratio Lower Upper
 276 100
 138 22.1 24.5 36.7#
 227 0.0 0.1 0.1#



#28
 Dibenzo(a,h)anthracene
 Concen: 3.104 ng/ul
 RT: 26.437 min Scan# 5766
 Delta R.T. 0.000 min
 Lab File: BM040483.D
 Acq: 30 Jun 2023 22:09

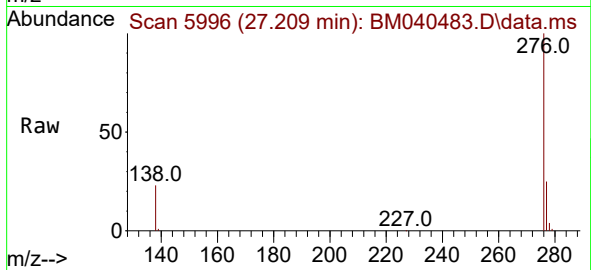
Tgt Ion:278 Resp: 205176
 Ion Ratio Lower Upper
 278 100
 139 18.9 17.9 26.9
 279 29.7 22.0 33.0





#29
 Benzo(g,h,i)perylene
 Concen: 9.441 ng/ul
 RT: 27.209 min Scan# 5996
 Delta R.T. 0.024 min
 Lab File: BM040483.D
 Acq: 30 Jun 2023 22:09

Instrument :
 BNA_M
 ClientSampleId :
 DCFX4



Tgt Ion:276 Resp: 698519
 Ion Ratio Lower Upper
 276 100
 138 23.0 23.0 34.6#
 277 24.5 20.3 30.5

