

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM063023\
 Data File : BM040488.D
 Acq On : 01 Jul 2023 01:20
 Operator : MA/JU
 Sample : 03161-22
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFX8

Quant Time: Jul 01 03:05:59 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)

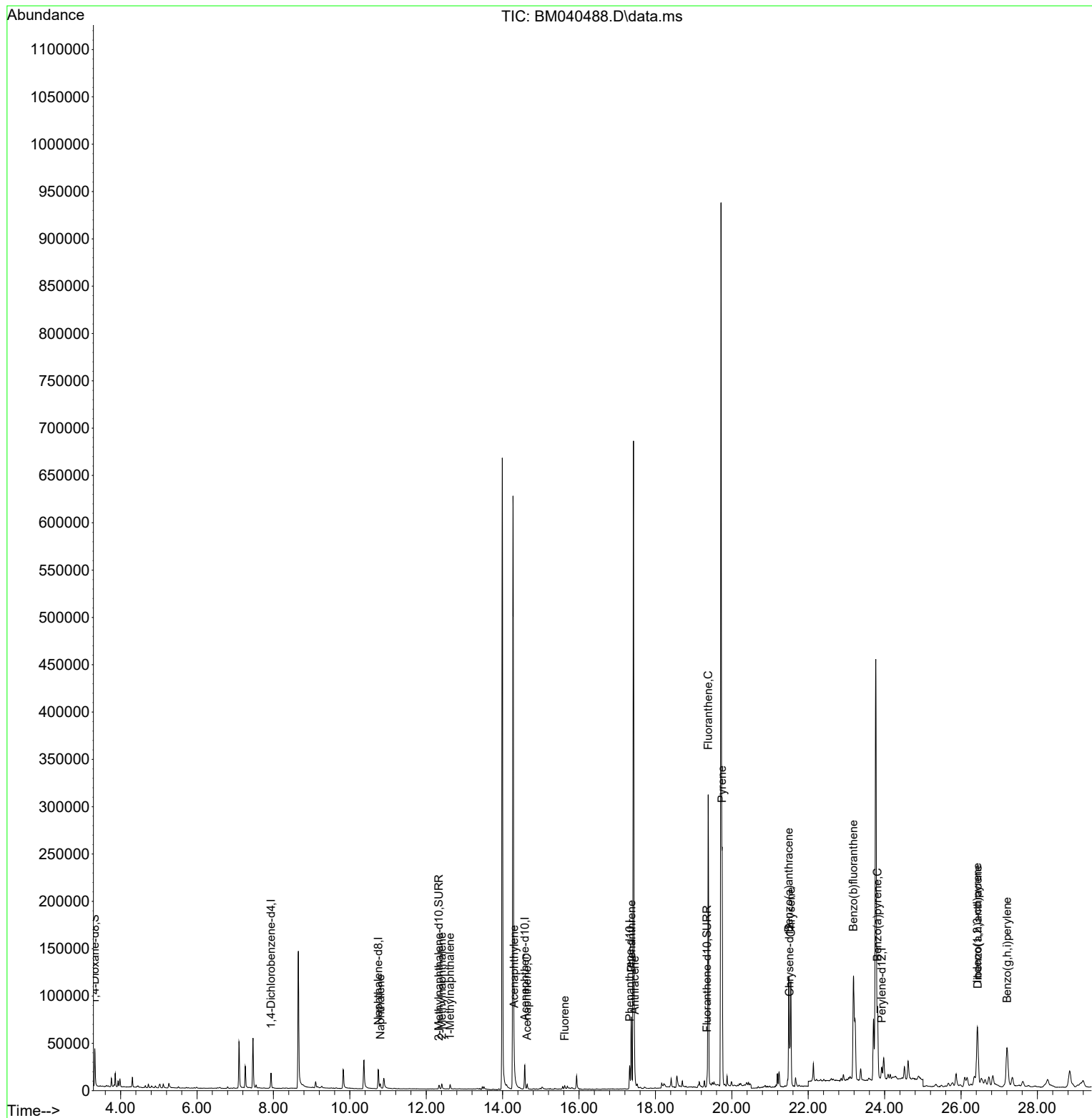
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.936	152	8373	0.400	ng/ul	0.00
4) Naphthalene-d8	10.744	136	30574	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.580	164	15039	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.327	188	29821	0.400	ng/ul	0.00
17) Chrysene-d12	21.506	240	16534	0.400	ng/ul	0.00
23) Perylene-d12	23.924	264	17735	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.325	96	23719	1.803	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.333	152	6570	0.153	ng/ul	0.00
18) Fluoranthene-d10	19.350	212	10959	0.207	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.799	128	7191	0.085	ng/ul#	92
7) 2-Methylnaphthalene	12.410	142	4526	0.091	ng/ul	100
8) 1-Methylnaphthalene	12.624	142	3378	0.068	ng/ul	98
10) Acenaphthylene	14.303	152	6090	0.091	ng/ul#	91
11) Acenaphthene	14.640	153	2880	0.051	ng/ul	97
12) Fluorene	15.626	166	2419	0.040	ng/ul#	92
15) Phenanthrene	17.369	178	86877	0.938	ng/ul	99
16) Anthracene	17.457	178	10062	0.129	ng/ul	94
19) Fluoranthene	19.383	202	266910	3.800	ng/ul	98
20) Pyrene	19.745	202	200798	2.667	ng/ul	99
21) Benzo(a)anthracene	21.492	228	98960	1.769	ng/ul	98
22) Chrysene	21.544	228	124727	1.955	ng/ul	98
24) Benzo(b)fluoranthene	23.184	252	193835	2.824	ng/ul	94
26) Benzo(a)pyrene	23.813	252	110864	1.793	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	26.427	276	113705	1.321	ng/ul#	84
28) Dibenzo(a,h)anthracene	26.437	278	27998	0.415	ng/ul#	89
29) Benzo(g,h,i)perylene	27.202	276	104919	1.390	ng/ul	96

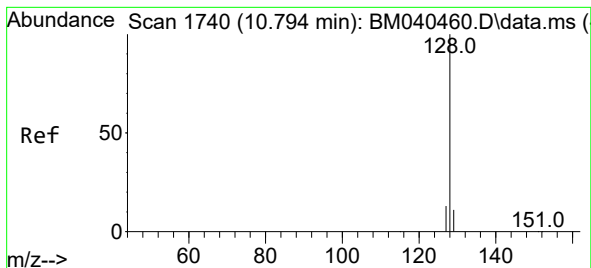
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.085 ng/ul

RT: 10.799 min Scan# 1741

Delta R.T. 0.004 min

Lab File: BM040488.D

Acq: 01 Jul 2023 01:20

Instrument :

BNA_M

ClientSampleId :

DCFX8

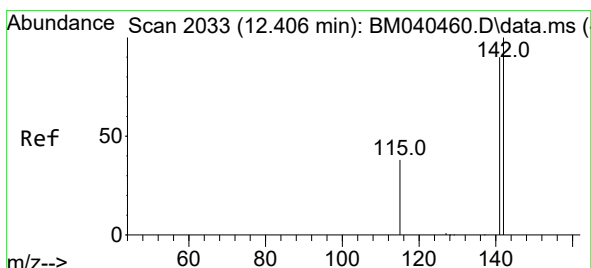
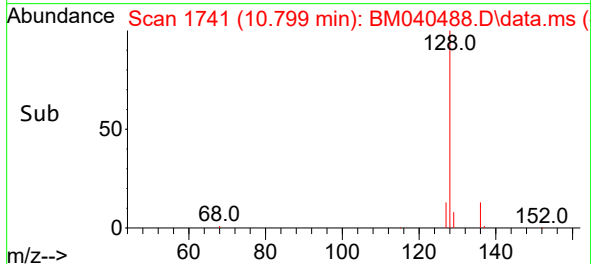
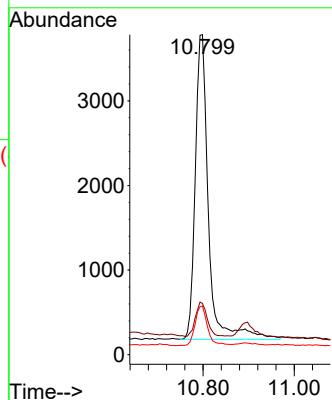
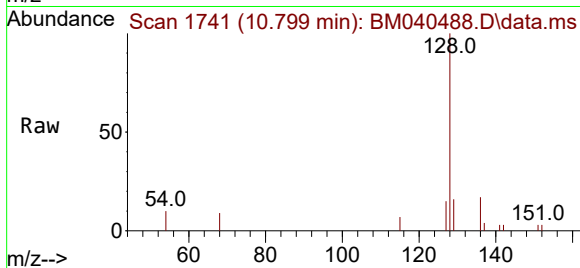
Tgt Ion:128 Resp: 7191

Ion Ratio Lower Upper

128 100

129 16.0 9.2 13.8#

127 15.2 10.6 15.8



#7

2-Methylnaphthalene

Concen: 0.091 ng/ul

RT: 12.410 min Scan# 2034

Delta R.T. 0.004 min

Lab File: BM040488.D

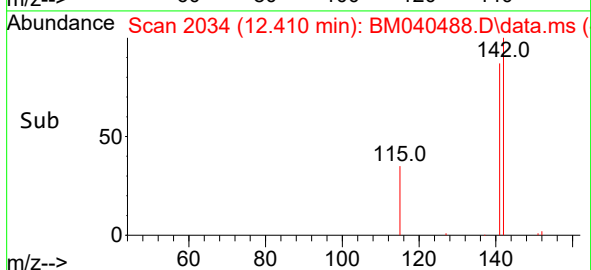
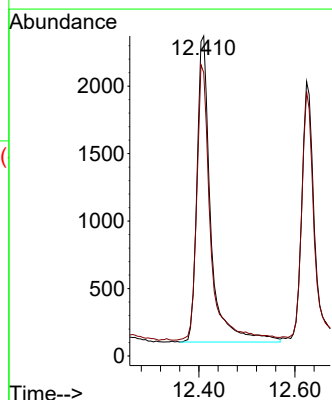
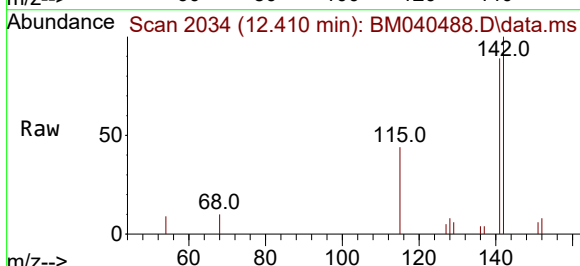
Acq: 01 Jul 2023 01:20

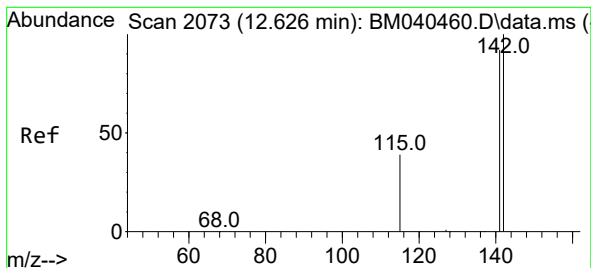
Tgt Ion:142 Resp: 4526

Ion Ratio Lower Upper

142 100

141 89.6 71.9 107.9





#8

1-Methylnaphthalene

Concen: 0.068 ng/ul

RT: 12.624 min Scan# 2073

Delta R.T. -0.001 min

Lab File: BM040488.D

Acq: 01 Jul 2023 01:20

Instrument :

BNA_M

ClientSampleId :

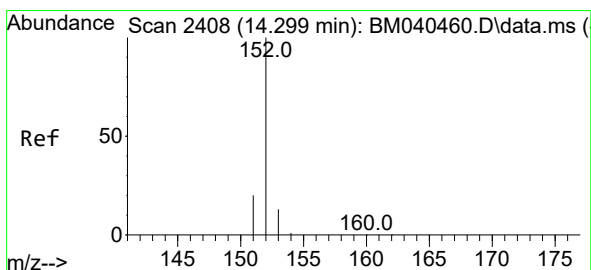
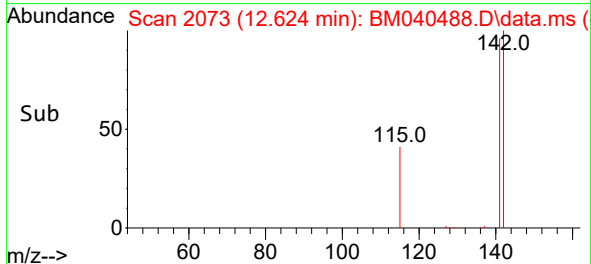
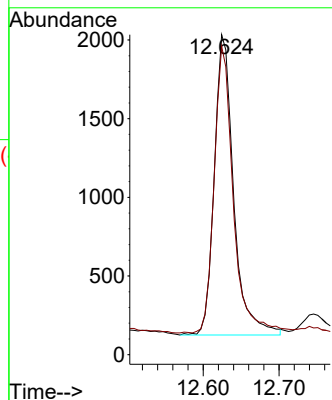
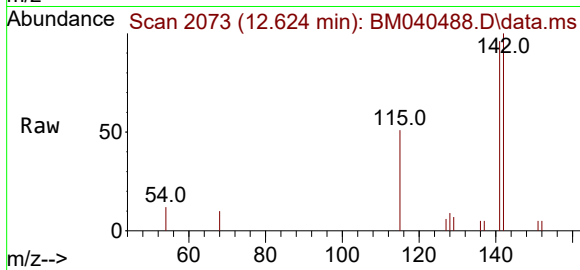
DCFX8

Tgt Ion:142 Resp: 3378

Ion Ratio Lower Upper

142 100

141 93.7 73.7 110.5



#10

Acenaphthylene

Concen: 0.091 ng/ul

RT: 14.303 min Scan# 2409

Delta R.T. 0.003 min

Lab File: BM040488.D

Acq: 01 Jul 2023 01:20

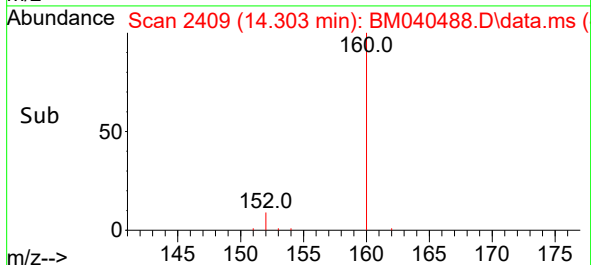
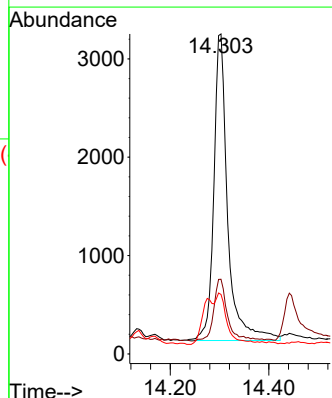
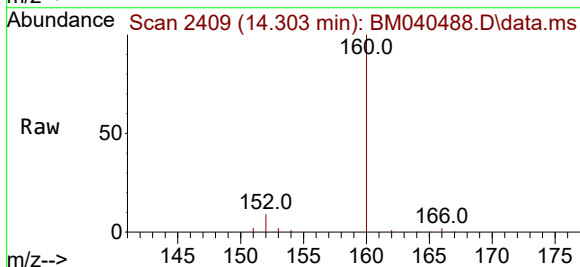
Tgt Ion:152 Resp: 6090

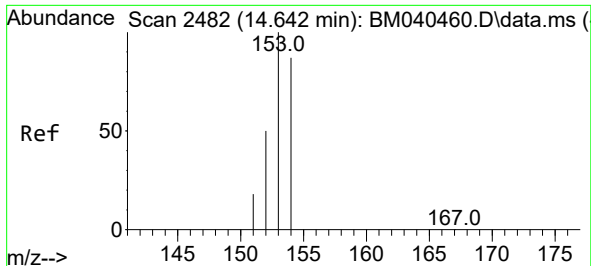
Ion Ratio Lower Upper

152 100

151 23.4 16.2 24.2

153 18.6 10.9 16.3#

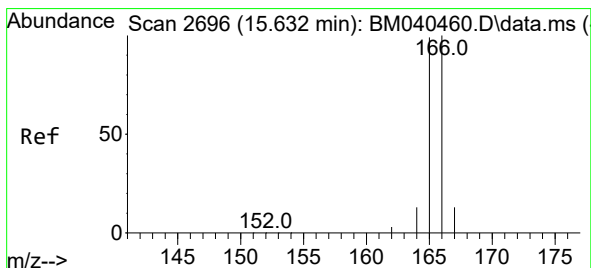
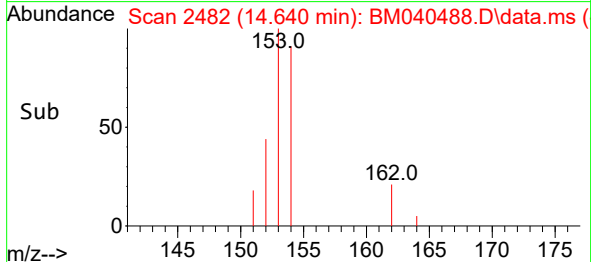
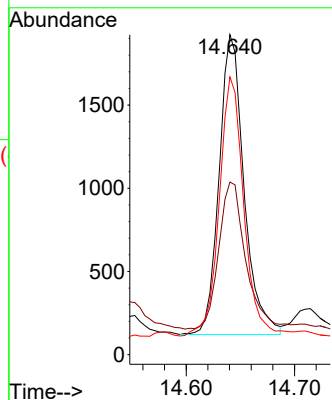
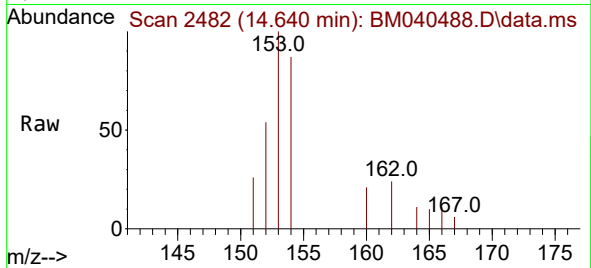




#11
Acenaphthene
Concen: 0.051 ng/ul
RT: 14.640 min Scan# 2482
Delta R.T. -0.001 min
Lab File: BM040488.D
Acq: 01 Jul 2023 01:20

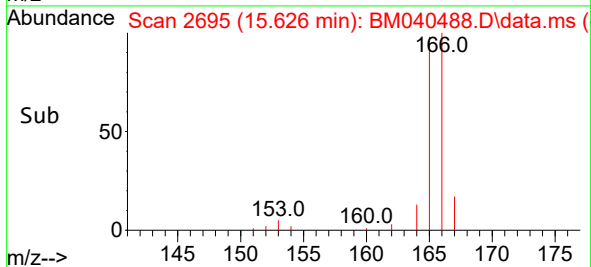
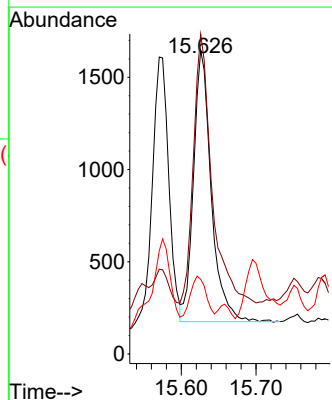
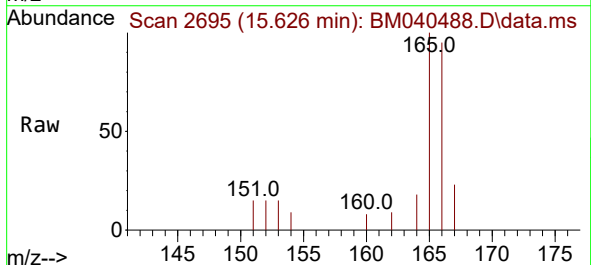
Instrument :
BNA_M
ClientSampleId :
DCFX8

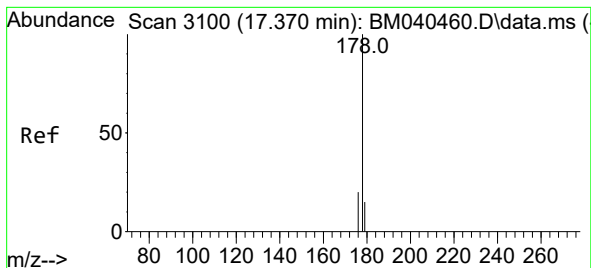
Tgt Ion:153 Resp: 2880
Ion Ratio Lower Upper
153 100
152 53.9 41.0 61.4
154 86.8 70.8 106.2



#12
Fluorene
Concen: 0.040 ng/ul
RT: 15.626 min Scan# 2695
Delta R.T. -0.006 min
Lab File: BM040488.D
Acq: 01 Jul 2023 01:20

Tgt Ion:166 Resp: 2419
Ion Ratio Lower Upper
166 100
165 105.3 79.6 119.4
167 24.6 11.4 17.0#





#15

Phenanthrene

Concen: 0.938 ng/ul

RT: 17.369 min Scan# 3100

Delta R.T. -0.001 min

Lab File: BM040488.D

Acq: 01 Jul 2023 01:20

Instrument :

BNA_M

ClientSampleId :

DCFX8

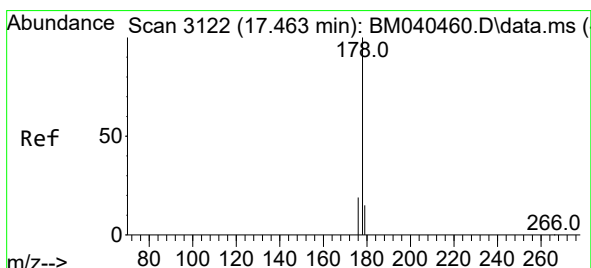
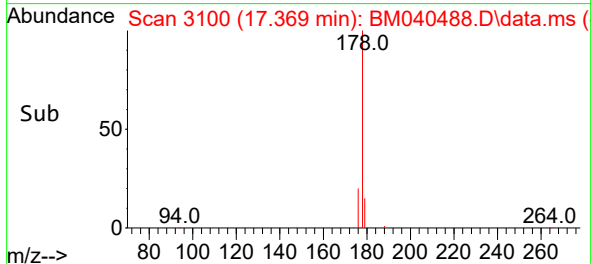
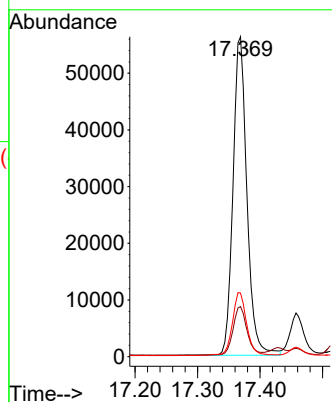
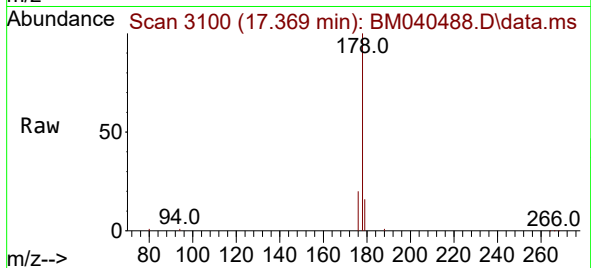
Tgt Ion:178 Resp: 86877

Ion Ratio Lower Upper

178 100

179 15.6 12.8 19.2

176 19.9 16.4 24.6



#16

Anthracene

Concen: 0.129 ng/ul

RT: 17.457 min Scan# 3121

Delta R.T. -0.006 min

Lab File: BM040488.D

Acq: 01 Jul 2023 01:20

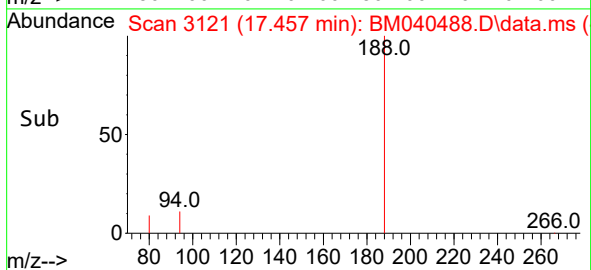
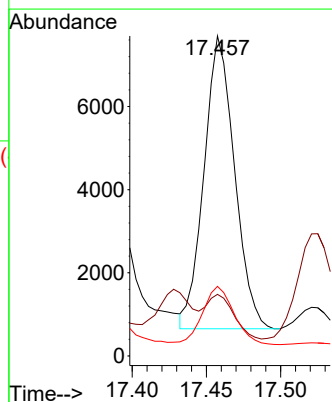
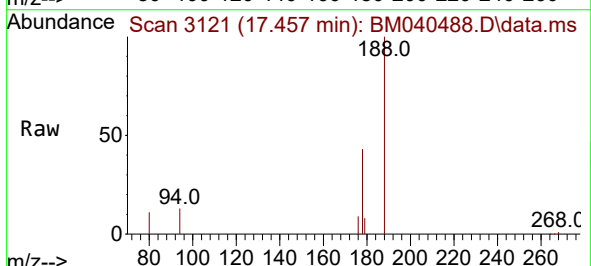
Tgt Ion:178 Resp: 10062

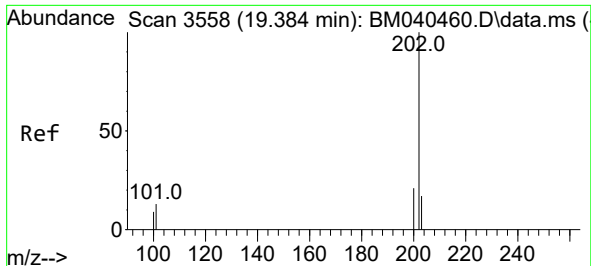
Ion Ratio Lower Upper

178 100

179 19.3 12.9 19.3

176 21.8 15.8 23.6

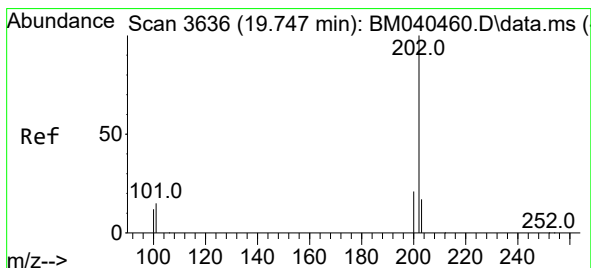
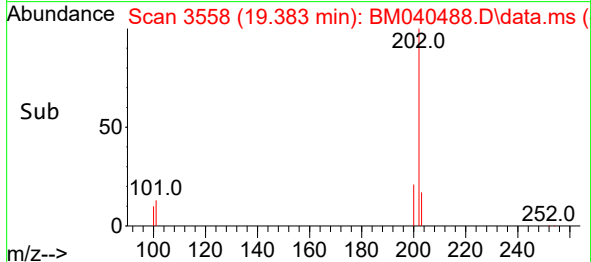
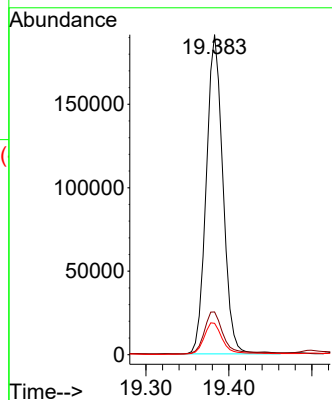
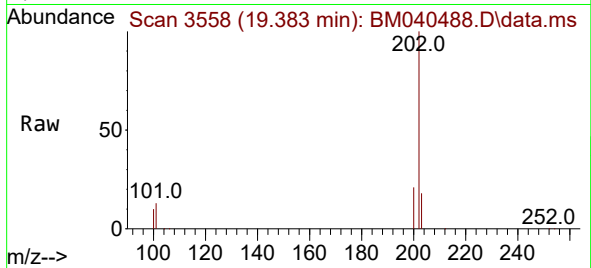




#19
Fluoranthene
Concen: 3.800 ng/ul
RT: 19.383 min Scan# 3558
Delta R.T. -0.001 min
Lab File: BM040488.D
Acq: 01 Jul 2023 01:20

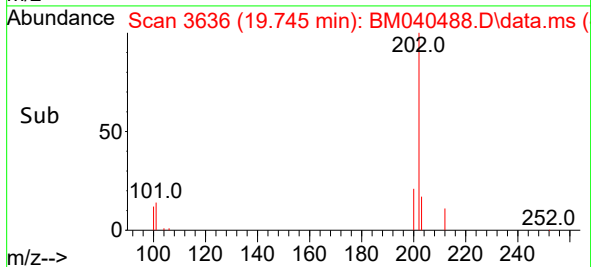
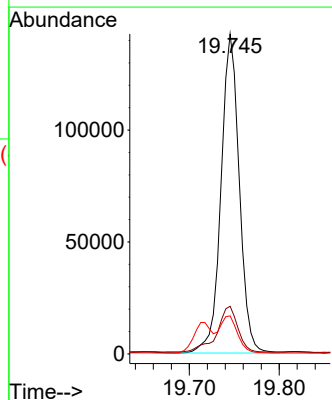
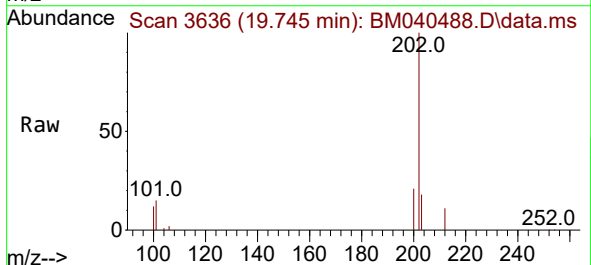
Instrument :
BNA_M
ClientSampleId :
DCFX8

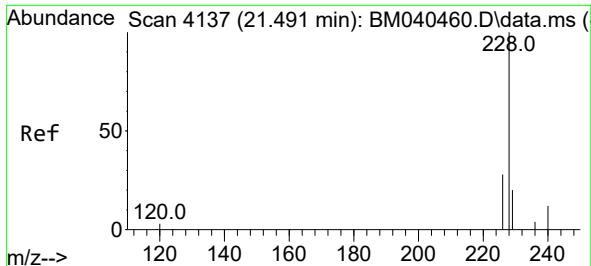
Tgt Ion:202 Resp: 266910
Ion Ratio Lower Upper
202 100
101 13.3 11.4 17.0
100 9.8 8.7 13.1



#20
Pyrene
Concen: 2.667 ng/ul
RT: 19.745 min Scan# 3636
Delta R.T. -0.001 min
Lab File: BM040488.D
Acq: 01 Jul 2023 01:20

Tgt Ion:202 Resp: 200798
Ion Ratio Lower Upper
202 100
101 14.9 12.6 18.8
100 11.9 9.8 14.6

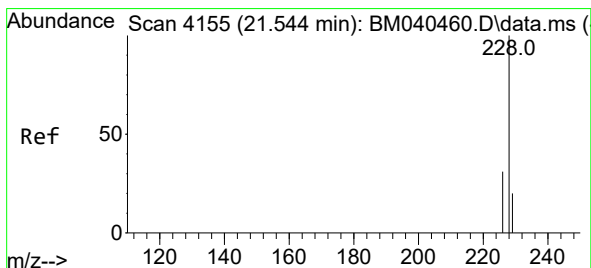
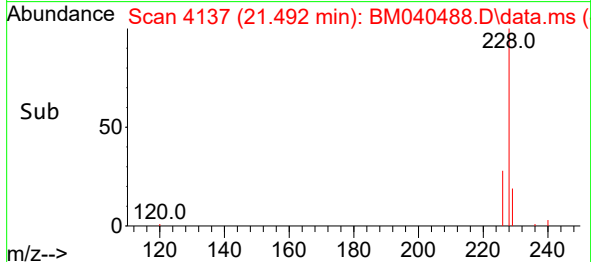
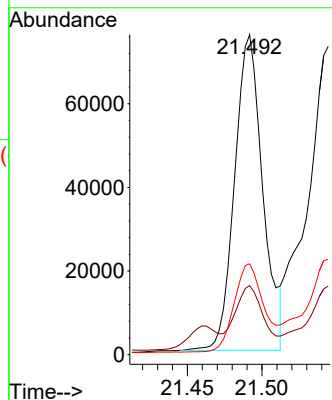
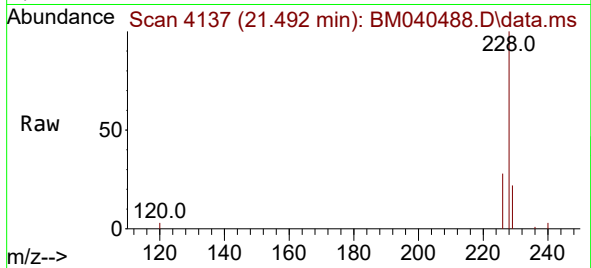




#21
Benzo(a)anthracene
Concen: 1.769 ng/ul
RT: 21.492 min Scan# 4137
Delta R.T. 0.000 min
Lab File: BM040488.D
Acq: 01 Jul 2023 01:20

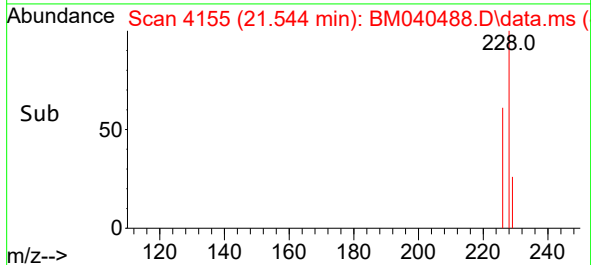
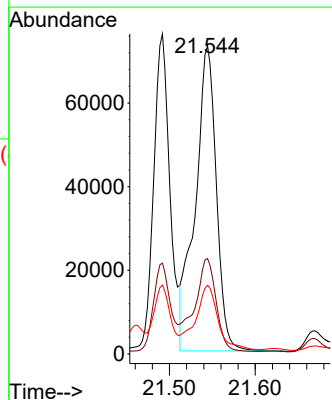
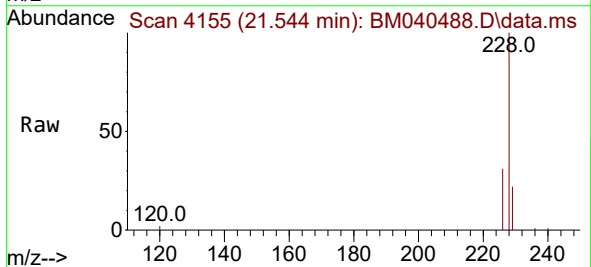
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DCFX8

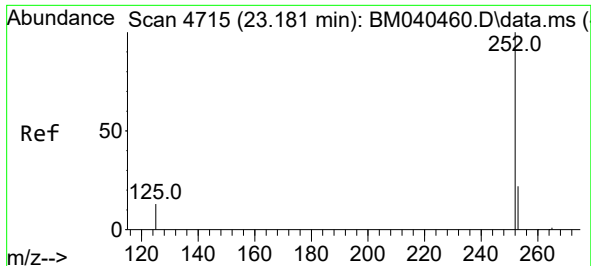
Tgt Ion:228 Resp: 98960
Ion Ratio Lower Upper
228 100
229 21.5 16.0 24.0
226 28.4 22.3 33.5



#22
Chrysene
Concen: 1.955 ng/ul
RT: 21.544 min Scan# 4155
Delta R.T. 0.000 min
Lab File: BM040488.D
Acq: 01 Jul 2023 01:20

Tgt Ion:228 Resp: 124727
Ion Ratio Lower Upper
228 100
226 30.9 24.9 37.3
229 22.3 15.8 23.6

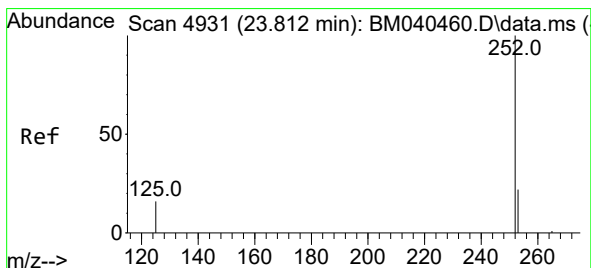
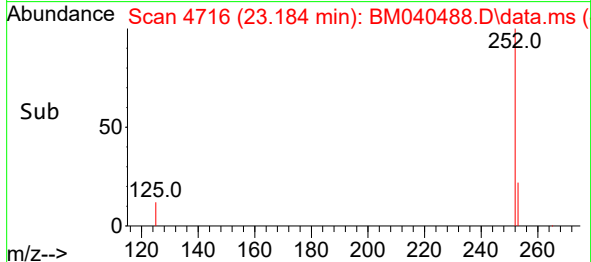
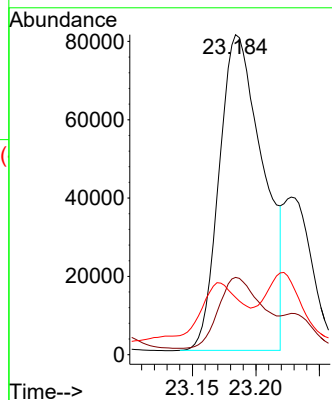
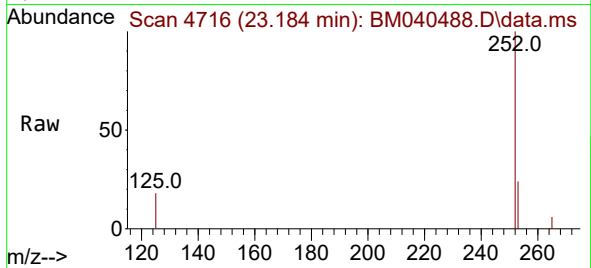




#24
Benzo(b)fluoranthene
Concen: 2.824 ng/ul
RT: 23.184 min Scan# 4715
Delta R.T. 0.003 min
Lab File: BM040488.D
Acq: 01 Jul 2023 01:20

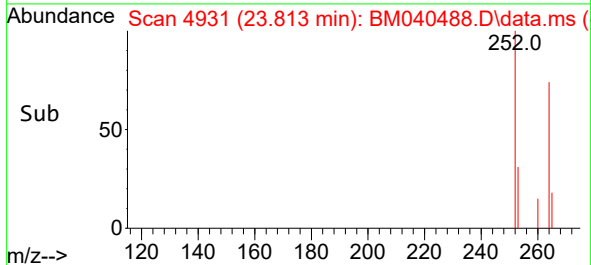
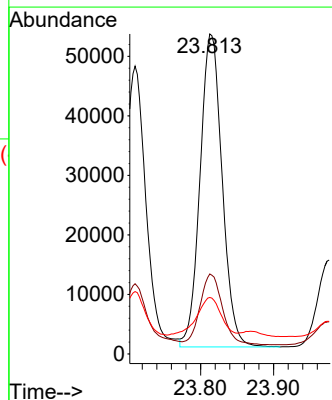
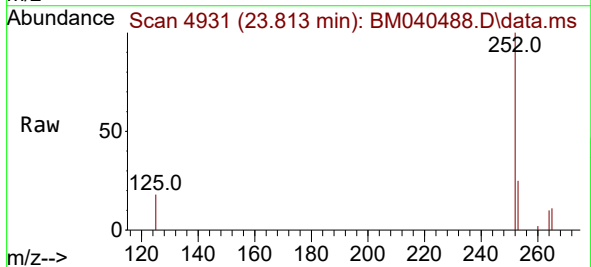
Instrument :
BNA_M
ClientSampleId :
DCFX8

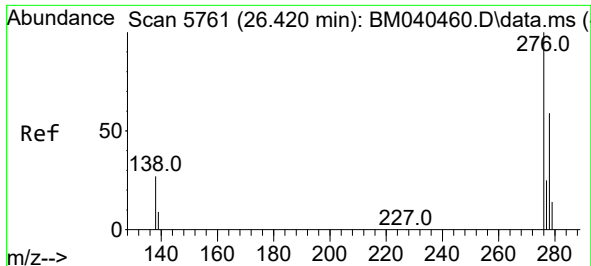
Tgt Ion:252 Resp: 193835
Ion Ratio Lower Upper
252 100
253 24.1 0.0 52.8
125 17.9 0.0 43.0



#26
Benzo(a)pyrene
Concen: 1.793 ng/ul
RT: 23.813 min Scan# 4931
Delta R.T. 0.000 min
Lab File: BM040488.D
Acq: 01 Jul 2023 01:20

Tgt Ion:252 Resp: 110864
Ion Ratio Lower Upper
252 100
253 25.0 22.9 34.3
125 17.7 21.0 31.4#

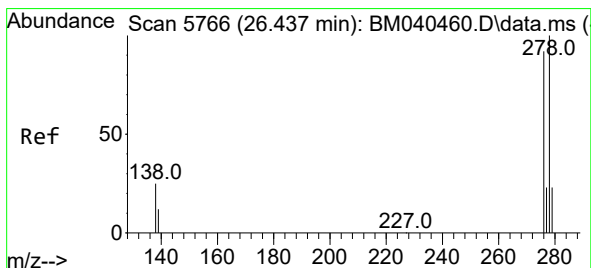
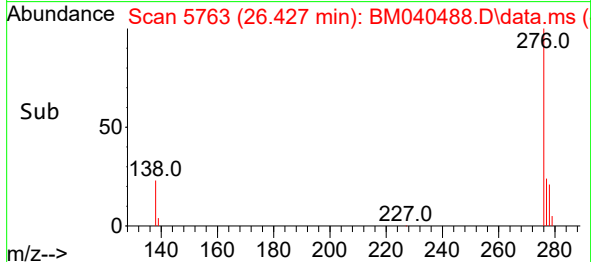
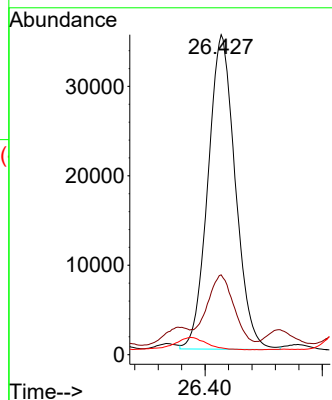
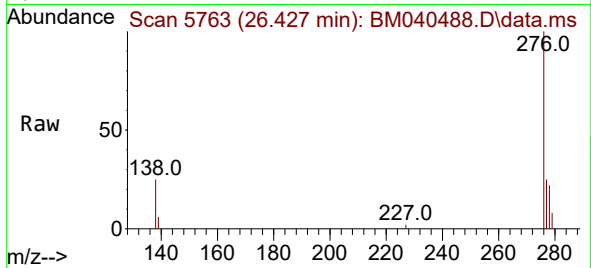




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 1.321 ng/ul
 RT: 26.427 min Scan# 5763
 Delta R.T. 0.007 min
 Lab File: BM040488.D
 Acq: 01 Jul 2023 01:20

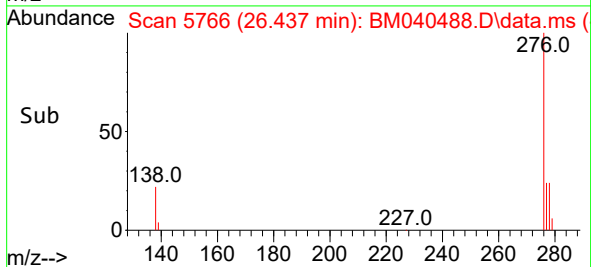
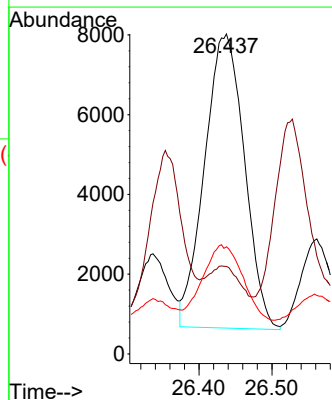
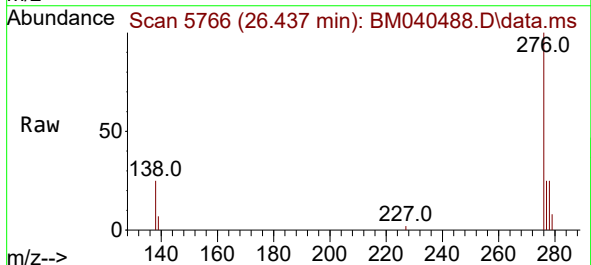
Instrument :
 BNA_M
 ClientSampleId :
 DCFX8

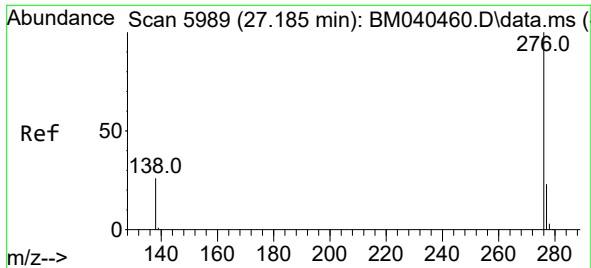
Tgt Ion:276 Resp: 113705
 Ion Ratio Lower Upper
 276 100
 138 21.8 24.5 36.7#
 227 0.0 0.1 0.1#



#28
 Dibenzo(a,h)anthracene
 Concen: 0.415 ng/ul
 RT: 26.437 min Scan# 5766
 Delta R.T. 0.000 min
 Lab File: BM040488.D
 Acq: 01 Jul 2023 01:20

Tgt Ion:278 Resp: 27998
 Ion Ratio Lower Upper
 278 100
 139 27.4 17.9 26.9#
 279 33.5 22.0 33.0#





#29
Benzo(g,h,i)perylene
Concen: 1.390 ng/ul
RT: 27.202 min Scan# 5994
Delta R.T. 0.017 min
Lab File: BM040488.D
Acq: 01 Jul 2023 01:20

Instrument :
BNA_M
ClientSampleId :
DCFX8

Tgt Ion:276 Resp: 104919
Ion Ratio Lower Upper
276 100
138 25.5 23.0 34.6
277 25.0 20.3 30.5

