

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM063023\
 Data File : BM040485.D
 Acq On : 30 Jun 2023 23:26
 Operator : MA/JU
 Sample : 03161-07
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFW3

Quant Time: Jul 01 03:05:33 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)

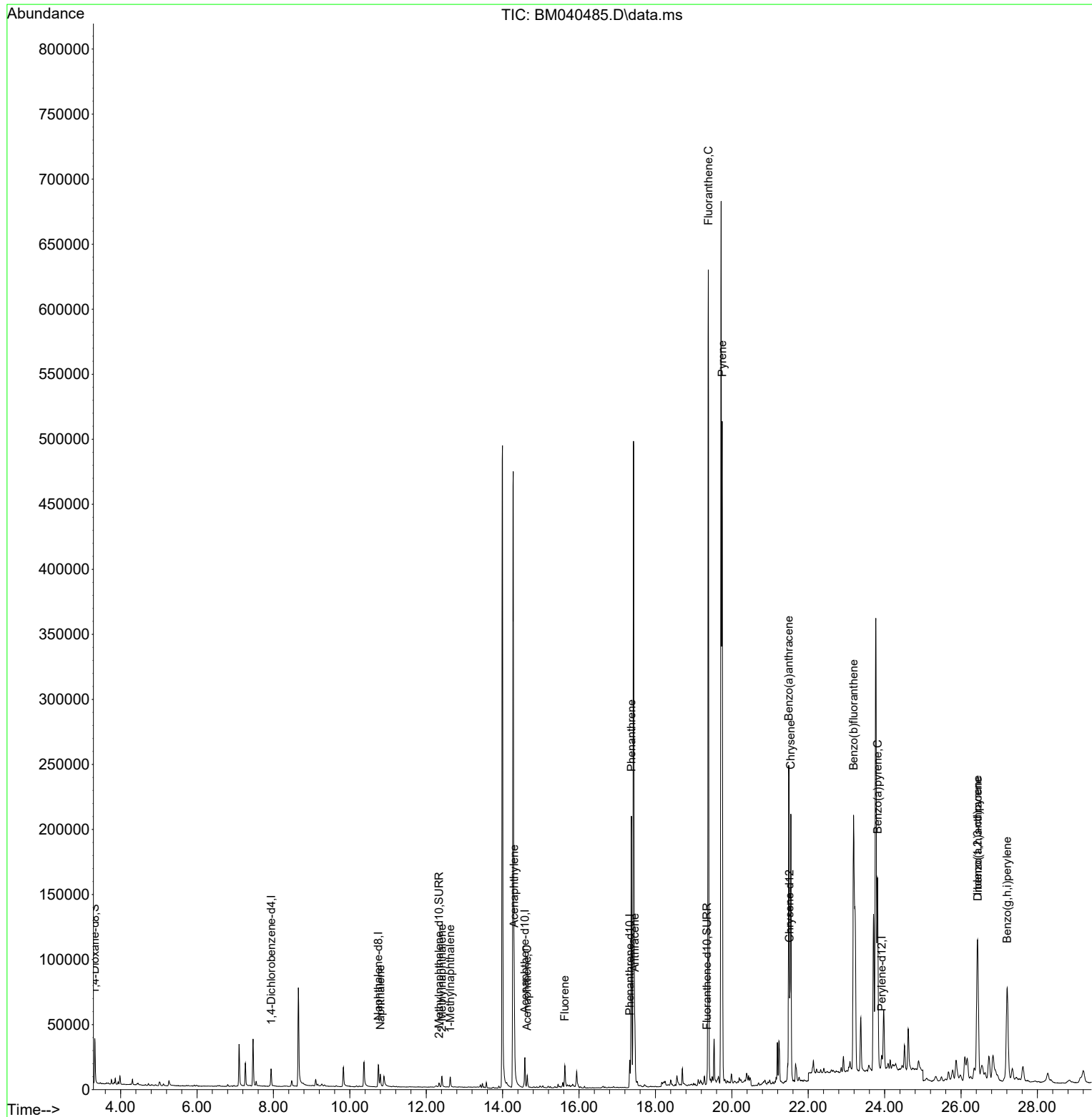
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	7262	0.400	ng/ul	0.00
4) Naphthalene-d8	10.745	136	26836	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.582	164	13057	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.328	188	25729	0.400	ng/ul	0.00
17) Chrysene-d12	21.509	240	13751	0.400	ng/ul	0.00
23) Perylene-d12	23.923	264	16218	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.325	96	20370	1.786	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.334	152	5174	0.138	ng/ul	0.00
18) Fluoranthene-d10	19.351	212	7814	0.177	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.800	128	13862	0.187	ng/ul#	96
7) 2-Methylnaphthalene	12.411	142	7307	0.168	ng/ul	98
8) 1-Methylnaphthalene	12.631	142	5912	0.136	ng/ul	100
10) Acenaphthylene	14.304	152	78944	1.353	ng/ul	99
11) Acenaphthene	14.642	153	5545	0.113	ng/ul	97
12) Fluorene	15.627	166	12165	0.231	ng/ul	99
15) Phenanthrene	17.370	178	235841	2.951	ng/ul	98
16) Anthracene	17.459	178	45534	0.678	ng/ul	99
19) Fluoranthene	19.384	202	543570	9.306	ng/ul	95
20) Pyrene	19.747	202	414188	6.614	ng/ul	97
21) Benzo(a)anthracene	21.491	228	210562	4.527	ng/ul	98
22) Chrysene	21.544	228	214357	4.040	ng/ul	98
24) Benzo(b)fluoranthene	23.186	252	352944	5.623	ng/ul	90
26) Benzo(a)pyrene	23.815	252	225284	3.985	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	26.430	276	196792	2.499	ng/ul#	85
28) Dibenzo(a,h)anthracene	26.437	278	49814	0.808	ng/ul	92
29) Benzo(g,h,i)perylene	27.208	276	174169	2.524	ng/ul	95

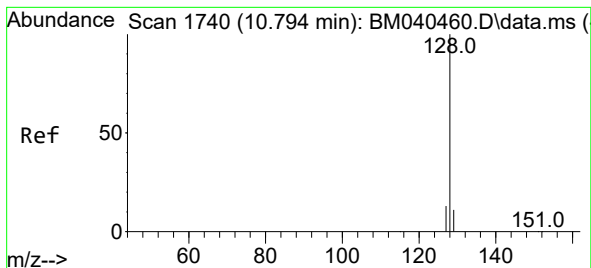
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.187 ng/ul

RT: 10.800 min Scan# 1

Delta R.T. 0.005 min

Lab File: BM040485.D

Acq: 30 Jun 2023 23:26

Instrument :

BNA_M

ClientSampleId :

DCF3

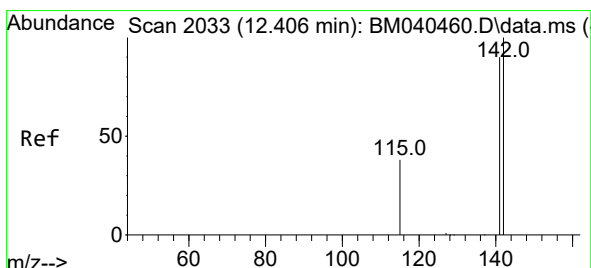
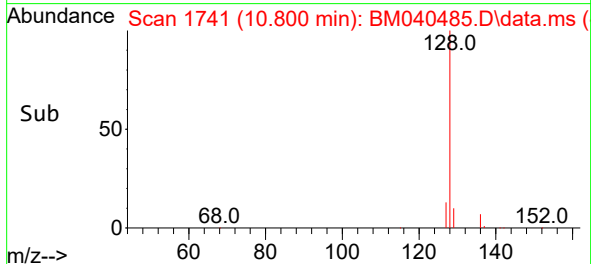
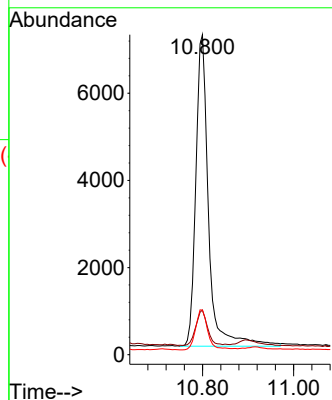
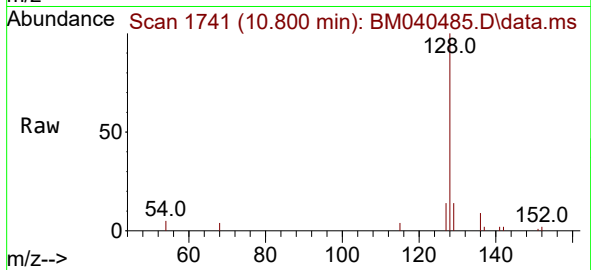
Tgt Ion:128 Resp: 13862

Ion Ratio Lower Upper

128 100

129 14.0 9.2 13.8#

127 14.0 10.6 15.8



#7

2-Methylnaphthalene

Concen: 0.168 ng/ul

RT: 12.411 min Scan# 2034

Delta R.T. 0.005 min

Lab File: BM040485.D

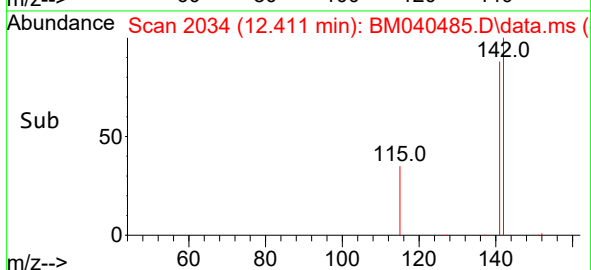
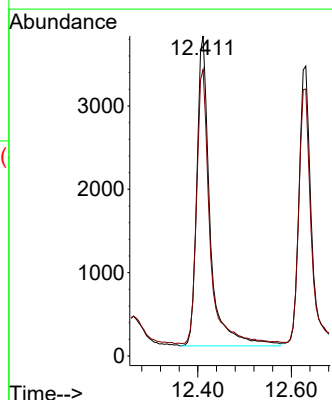
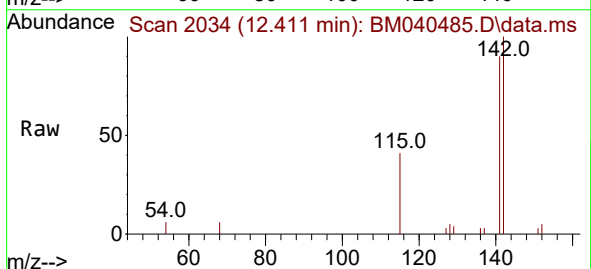
Acq: 30 Jun 2023 23:26

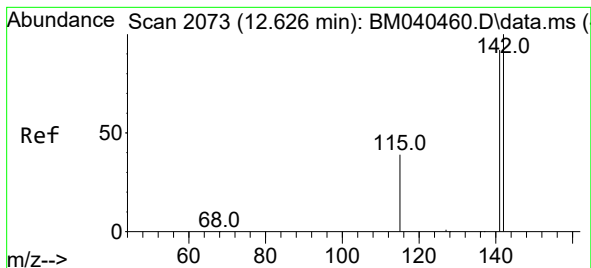
Tgt Ion:142 Resp: 7307

Ion Ratio Lower Upper

142 100

141 87.7 71.9 107.9





#8

1-Methylnaphthalene

Concen: 0.136 ng/ul

RT: 12.631 min Scan# 2073

Delta R.T. 0.005 min

Lab File: BM040485.D

Acq: 30 Jun 2023 23:26

Instrument :

BNA_M

ClientSampleId :

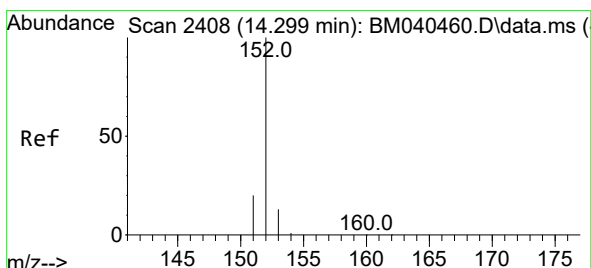
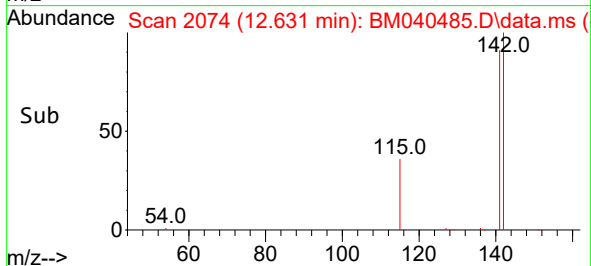
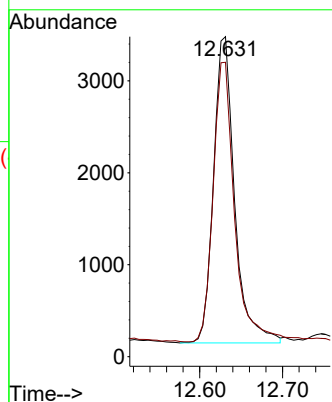
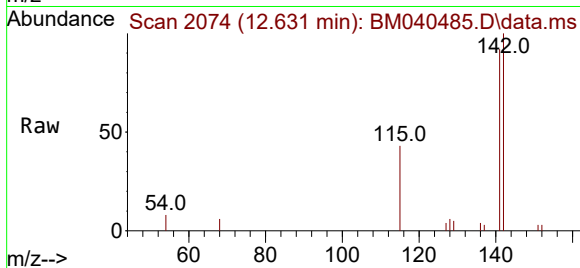
DCF3

Tgt Ion:142 Resp: 5912

Ion Ratio Lower Upper

142 100

141 92.5 73.7 110.5



#10

Acenaphthylene

Concen: 1.353 ng/ul

RT: 14.304 min Scan# 2409

Delta R.T. 0.005 min

Lab File: BM040485.D

Acq: 30 Jun 2023 23:26

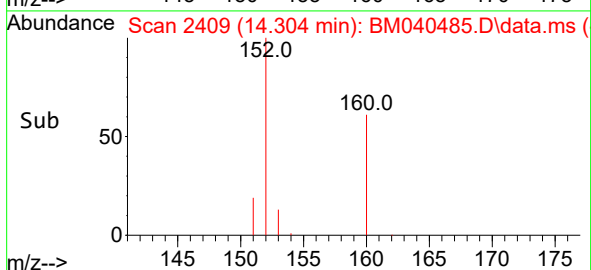
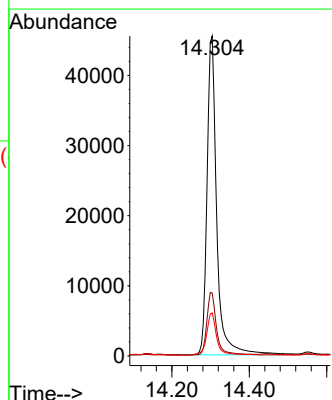
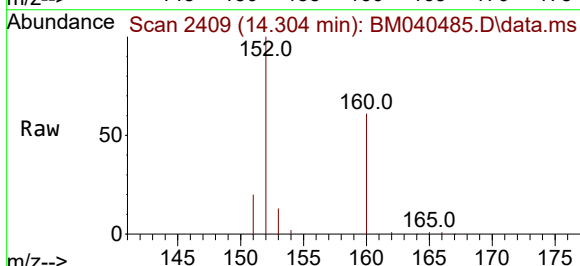
Tgt Ion:152 Resp: 78944

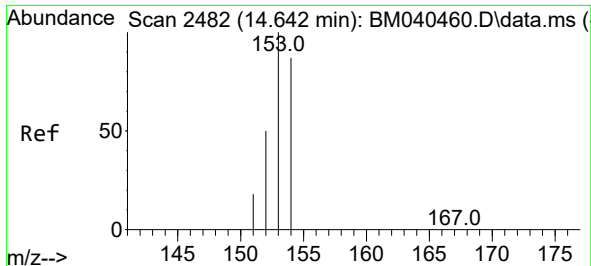
Ion Ratio Lower Upper

152 100

151 19.6 16.2 24.2

153 13.5 10.9 16.3

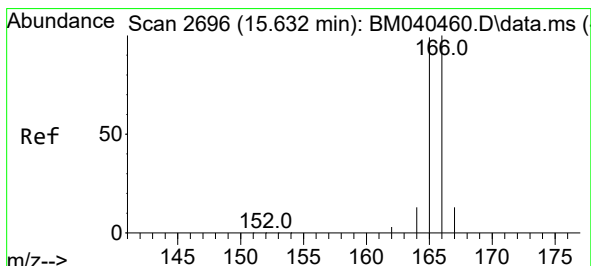
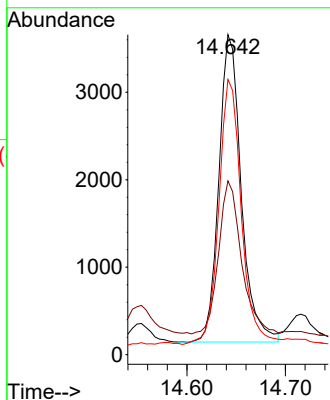
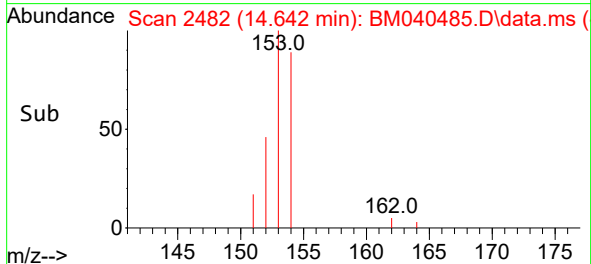
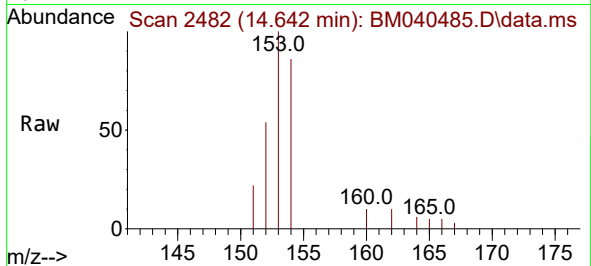




#11
Acenaphthene
Concen: 0.113 ng/ul
RT: 14.642 min Scan# 2482
Delta R.T. -0.000 min
Lab File: BM040485.D
Acq: 30 Jun 2023 23:26

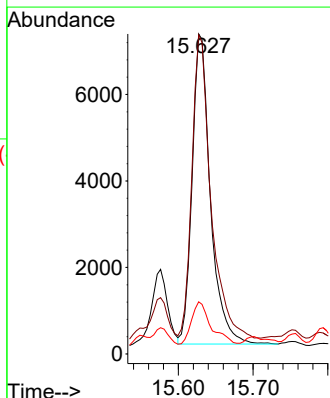
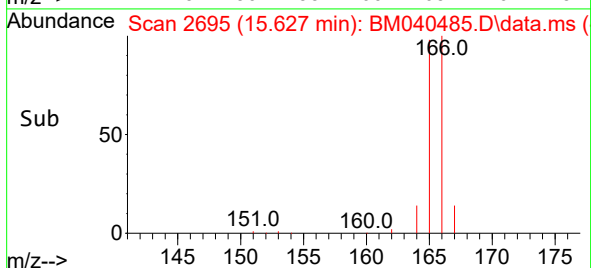
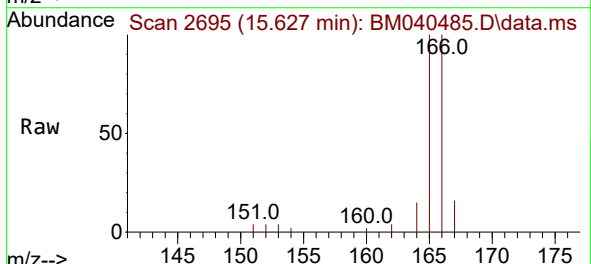
Instrument :
BNA_M
ClientSampleId :
DCF3W3

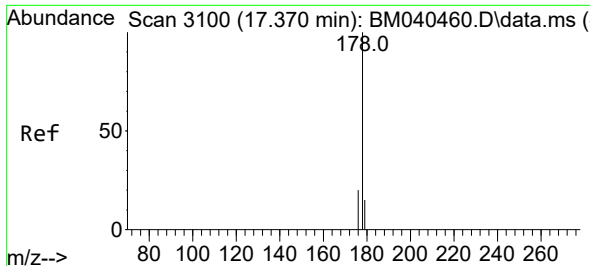
Tgt Ion:153 Resp: 5545
Ion Ratio Lower Upper
153 100
152 54.3 41.0 61.4
154 86.0 70.8 106.2



#12
Fluorene
Concen: 0.231 ng/ul
RT: 15.627 min Scan# 2695
Delta R.T. -0.005 min
Lab File: BM040485.D
Acq: 30 Jun 2023 23:26

Tgt Ion:166 Resp: 12165
Ion Ratio Lower Upper
166 100
165 99.7 79.6 119.4
167 16.3 11.4 17.0

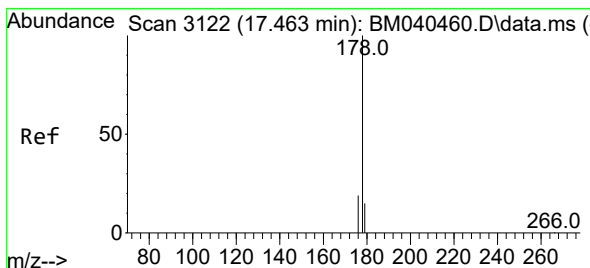
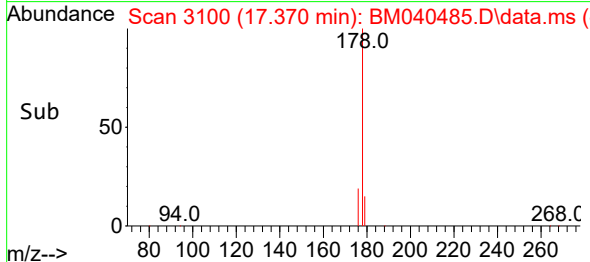
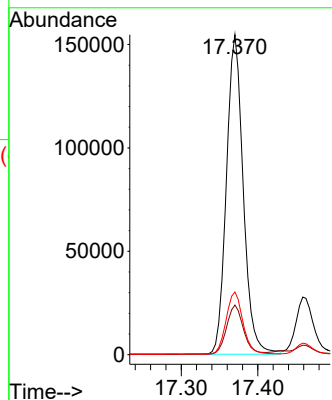
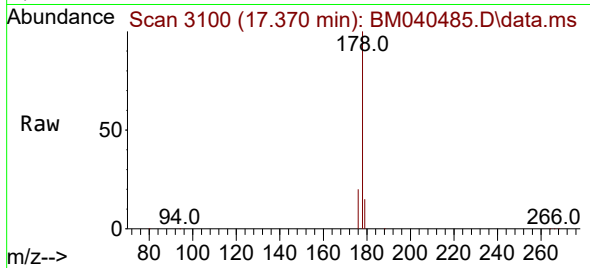




#15
Phenanthrene
Concen: 2.951 ng/ul
RT: 17.370 min Scan# 3100
Delta R.T. -0.000 min
Lab File: BM040485.D
Acq: 30 Jun 2023 23:26

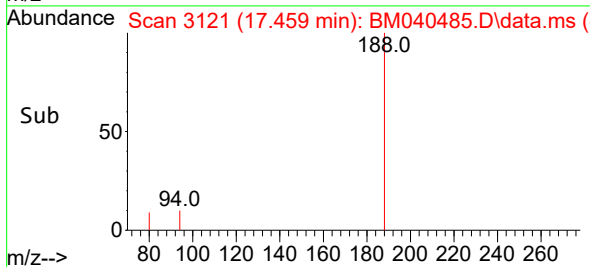
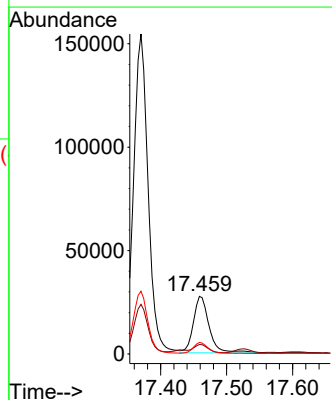
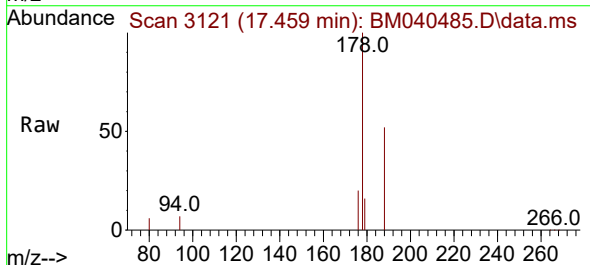
Instrument :
BNA_M
ClientSampleId :
DCF3W3

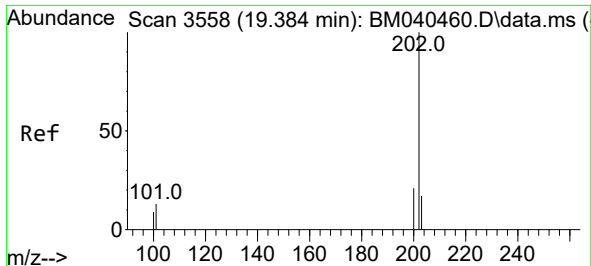
Tgt Ion:178 Resp: 235841
Ion Ratio Lower Upper
178 100
179 15.5 12.8 19.2
176 19.6 16.4 24.6



#16
Anthracene
Concen: 0.678 ng/ul
RT: 17.459 min Scan# 3121
Delta R.T. -0.004 min
Lab File: BM040485.D
Acq: 30 Jun 2023 23:26

Tgt Ion:178 Resp: 45534
Ion Ratio Lower Upper
178 100
179 16.5 12.9 19.3
176 19.9 15.8 23.6

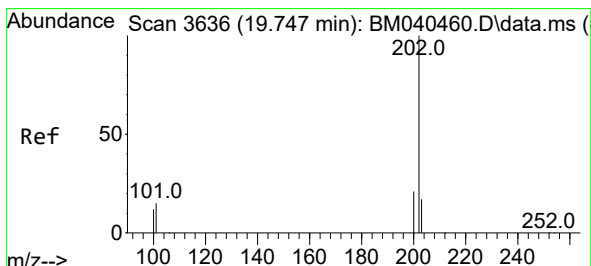
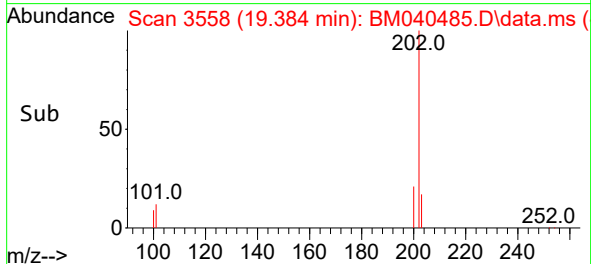
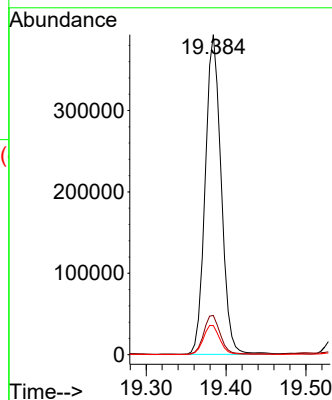
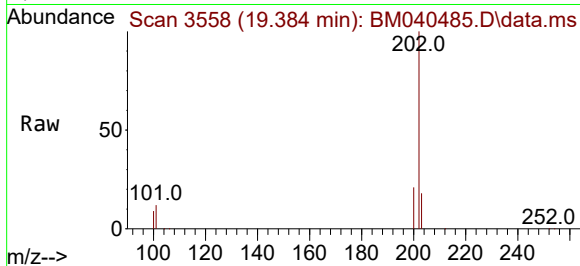




#19
Fluoranthene
Concen: 9.306 ng/ul
RT: 19.384 min Scan# 3558
Delta R.T. -0.000 min
Lab File: BM040485.D
Acq: 30 Jun 2023 23:26

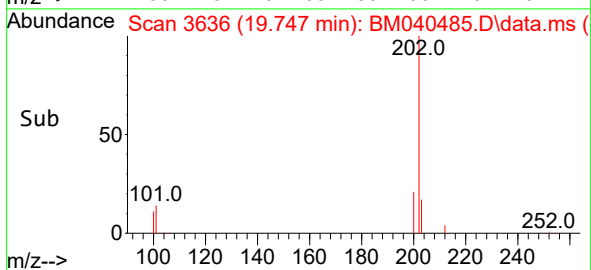
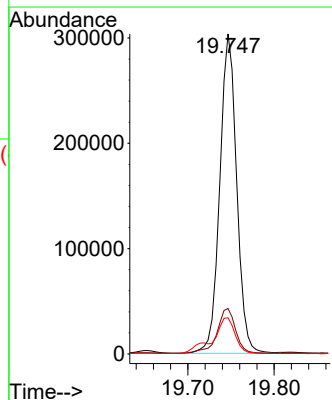
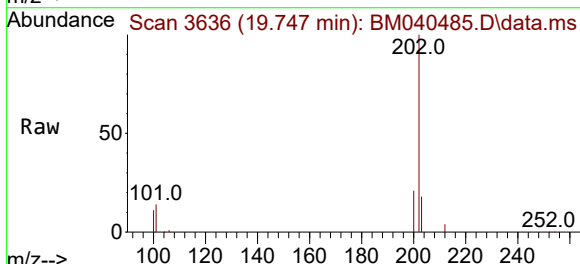
Instrument :
BNA_M
ClientSampleId :
DCF3W3

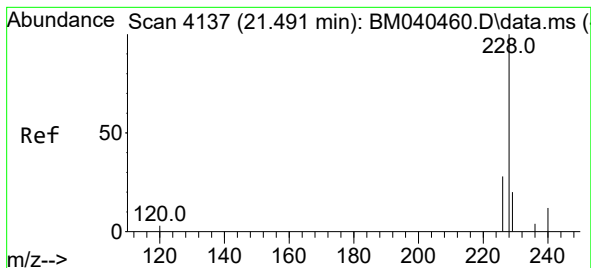
Tgt Ion:202 Resp: 543570
Ion Ratio Lower Upper
202 100
101 12.3 11.4 17.0
100 9.1 8.7 13.1



#20
Pyrene
Concen: 6.614 ng/ul
RT: 19.747 min Scan# 3636
Delta R.T. -0.000 min
Lab File: BM040485.D
Acq: 30 Jun 2023 23:26

Tgt Ion:202 Resp: 414188
Ion Ratio Lower Upper
202 100
101 14.2 12.6 18.8
100 11.3 9.8 14.6





#21

Benzo(a)anthracene

Concen: 4.527 ng/ul

RT: 21.491 min Scan# 4137

Delta R.T. -0.000 min

Lab File: BM040485.D

Acq: 30 Jun 2023 23:26

Instrument :

BNA_M

ClientSampleId :

DCFW3

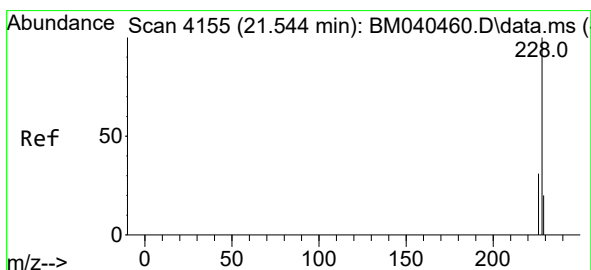
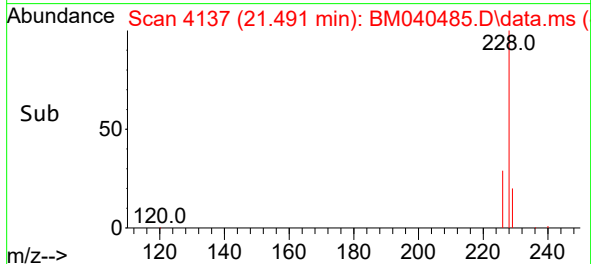
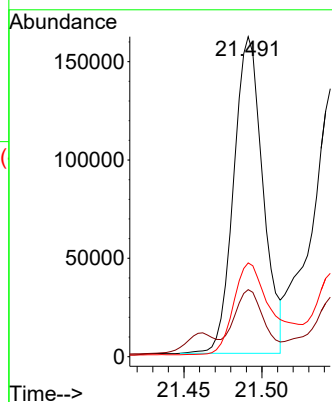
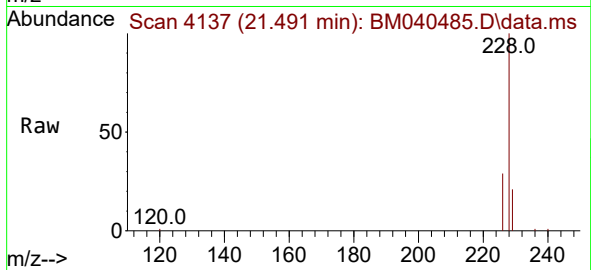
Tgt Ion:228 Resp: 210562

Ion Ratio Lower Upper

228 100

229 20.9 16.0 24.0

226 29.3 22.3 33.5



#22

Chrysene

Concen: 4.040 ng/ul

RT: 21.544 min Scan# 4155

Delta R.T. -0.000 min

Lab File: BM040485.D

Acq: 30 Jun 2023 23:26

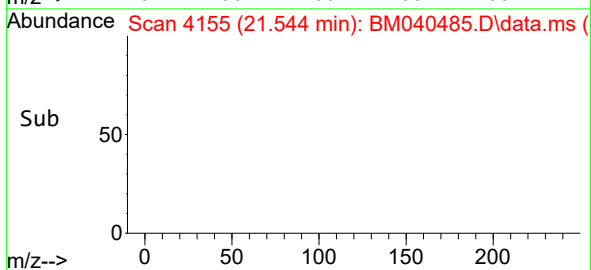
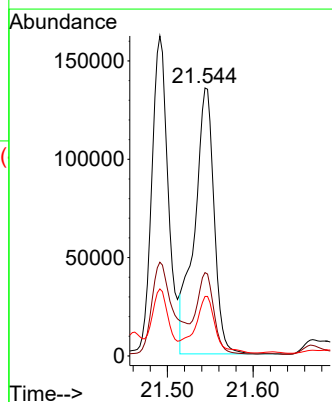
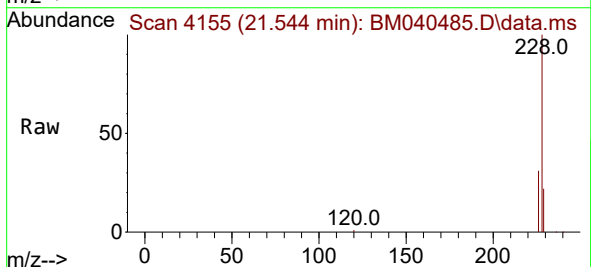
Tgt Ion:228 Resp: 214357

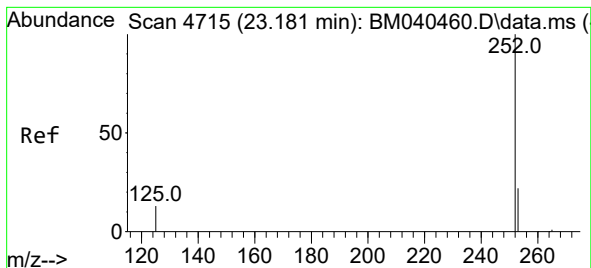
Ion Ratio Lower Upper

228 100

226 31.1 24.9 37.3

229 22.2 15.8 23.6





#24

Benzo(b)fluoranthene

Concen: 5.623 ng/ul

RT: 23.186 min Scan# 4715

Delta R.T. 0.006 min

Lab File: BM040485.D

Acq: 30 Jun 2023 23:26

Instrument :

BNA_M

ClientSampleId :

DCFW3

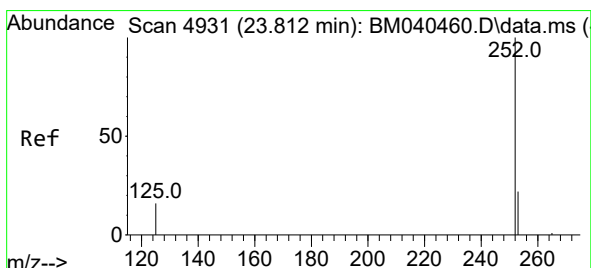
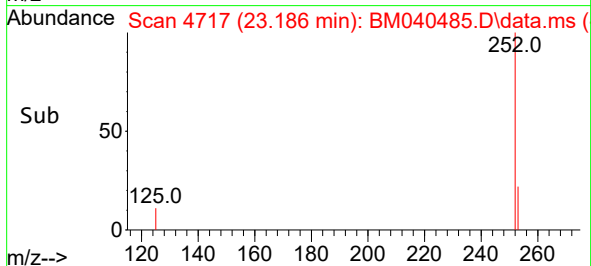
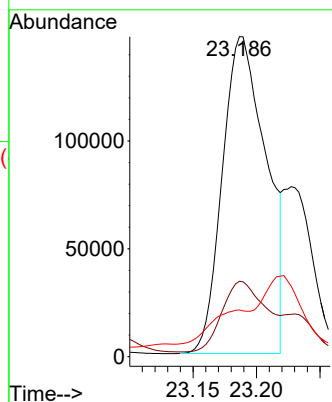
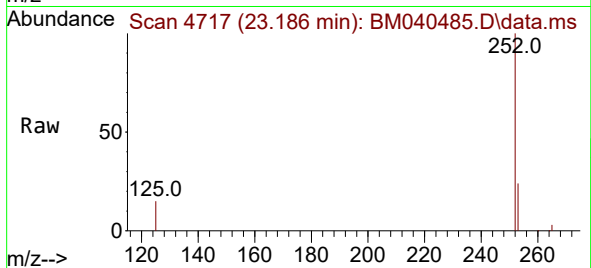
Tgt Ion:252 Resp: 352944

Ion Ratio Lower Upper

252 100

253 23.6 0.0 52.8

125 14.6 0.0 43.0



#26

Benzo(a)pyrene

Concen: 3.985 ng/ul

RT: 23.815 min Scan# 4932

Delta R.T. 0.003 min

Lab File: BM040485.D

Acq: 30 Jun 2023 23:26

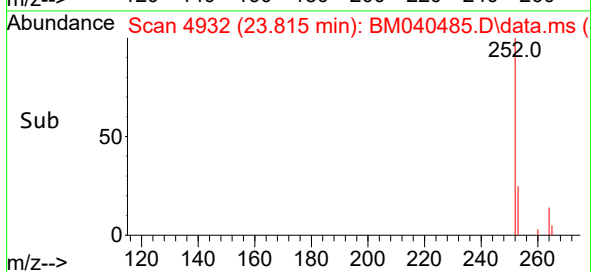
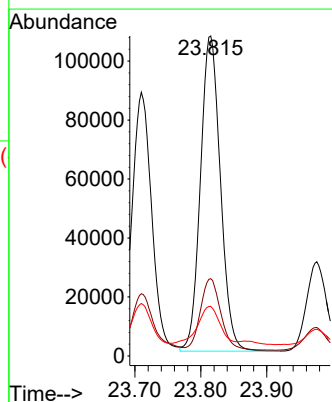
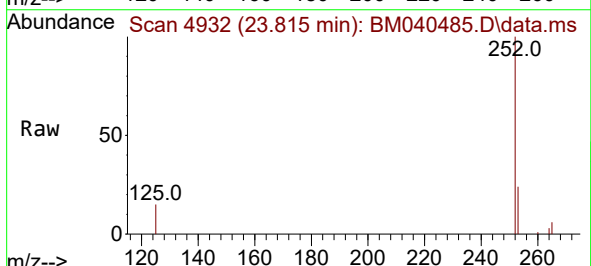
Tgt Ion:252 Resp: 225284

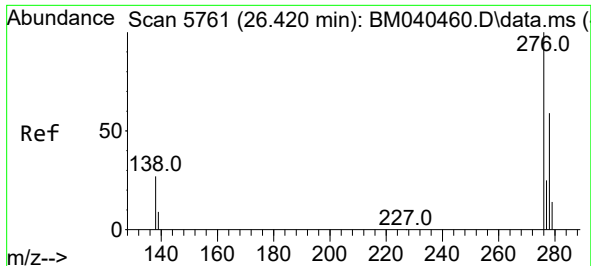
Ion Ratio Lower Upper

252 100

253 24.2 22.9 34.3

125 15.5 21.0 31.4#

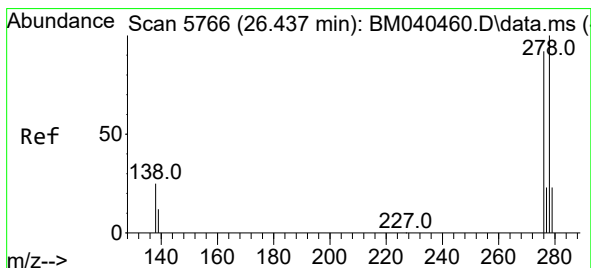
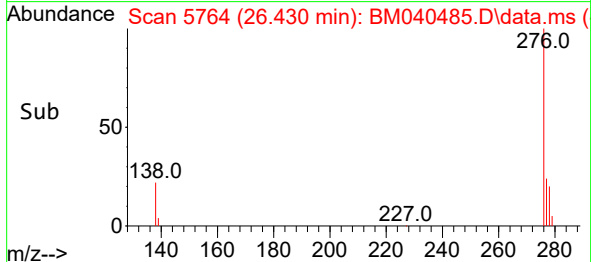
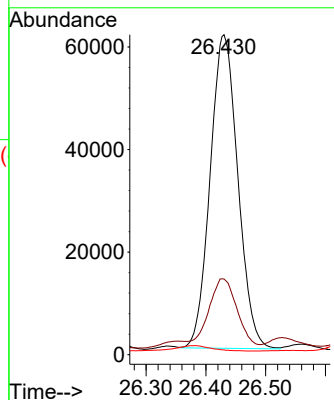
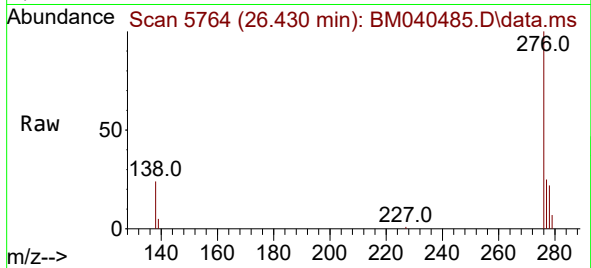




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 2.499 ng/ul
 RT: 26.430 min Scan# 5764
 Delta R.T. 0.010 min
 Lab File: BM040485.D
 Acq: 30 Jun 2023 23:26

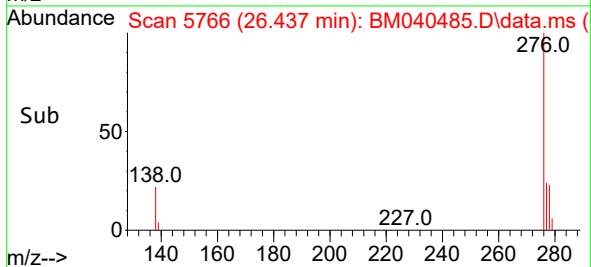
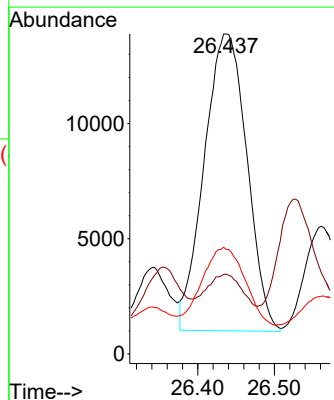
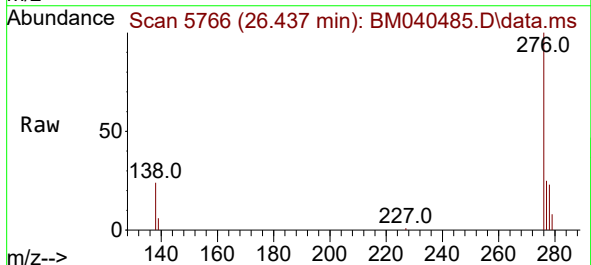
Instrument :
 BNA_M
 ClientSampleId :
 DCFW3

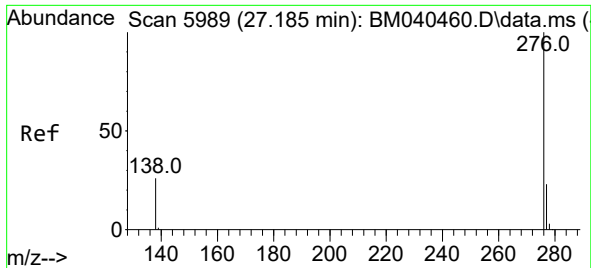
Tgt Ion:276 Resp: 196792
 Ion Ratio Lower Upper
 276 100
 138 22.1 24.5 36.7#
 227 0.0 0.1 0.1#



#28
 Dibenzo(a,h)anthracene
 Concen: 0.808 ng/ul
 RT: 26.437 min Scan# 5766
 Delta R.T. -0.000 min
 Lab File: BM040485.D
 Acq: 30 Jun 2023 23:26

Tgt Ion:278 Resp: 49814
 Ion Ratio Lower Upper
 278 100
 139 25.0 17.9 26.9
 279 32.7 22.0 33.0





#29

Benzo(g,h,i)perylene

Concen: 2.524 ng/ul

RT: 27.208 min Scan# 5996

Delta R.T. 0.023 min

Lab File: BM040485.D

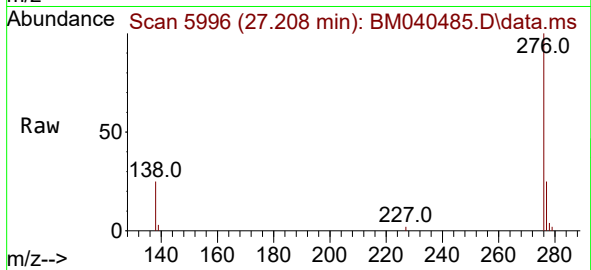
Acq: 30 Jun 2023 23:26

Instrument :

BNA_M

ClientSampleId :

DCFW3



Tgt Ion:276 Resp: 174169

Ion Ratio Lower Upper

276 100

138 24.8 23.0 34.6

277 24.8 20.3 30.5

