

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070123\
 Data File : BM040523.D
 Acq On : 02 Jul 2023 03:55
 Operator : MA/JU
 Sample : 03242-13
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCGB4

Quant Time: Jul 02 05:17:32 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)

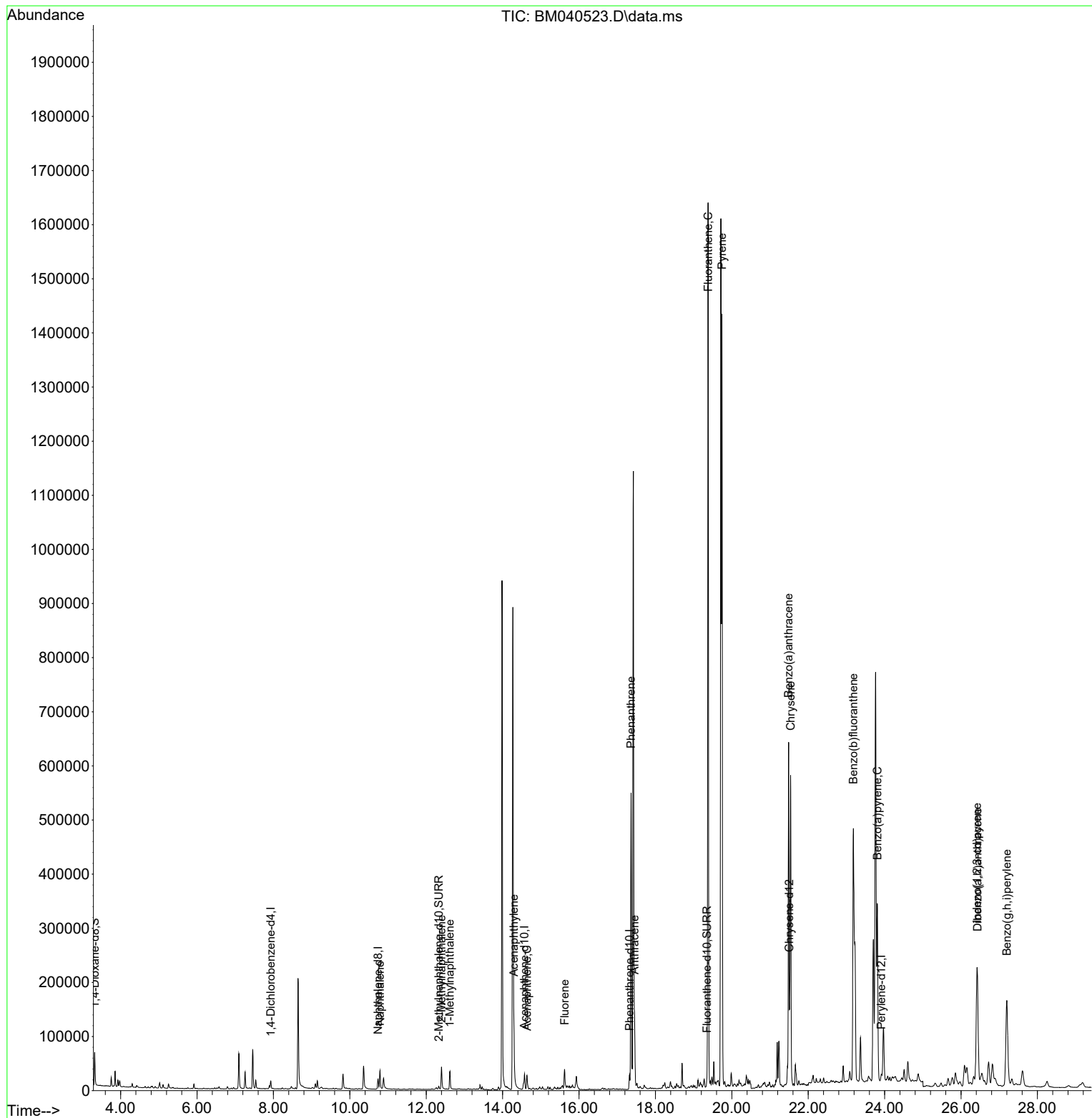
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.932	152	7635	0.400	ng/ul	0.00
4) Naphthalene-d8	10.740	136	26881	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.573	164	16244	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.320	188	32153	0.400	ng/ul	0.00
17) Chrysene-d12	21.503	240	20100	0.400	ng/ul	0.00
23) Perylene-d12	23.915	264	20145	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.321	96	36078	3.008	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.329	152	8789	0.233	ng/ul	0.00
18) Fluoranthene-d10	19.347	212	17117	0.266	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.789	128	51446	0.694	ng/ul	99
7) 2-Methylnaphthalene	12.400	142	33885	0.778	ng/ul	98
8) 1-Methylnaphthalene	12.620	142	24440	0.562	ng/ul	100
10) Acenaphthylene	14.295	152	95106	1.311	ng/ul	99
11) Acenaphthene	14.637	153	16273	0.266	ng/ul	99
12) Fluorene	15.623	166	24916	0.381	ng/ul#	99
15) Phenanthrene	17.362	178	624972	6.258	ng/ul	98
16) Anthracene	17.455	178	127028	1.514	ng/ul	99
19) Fluoranthene	19.380	202	1418786	16.617	ng/ul#	94
20) Pyrene	19.742	202	1159228	12.664	ng/ul	96
21) Benzo(a)anthracene	21.486	228	562771	8.277	ng/ul	98
22) Chrysene	21.538	228	581511	7.498	ng/ul	97
24) Benzo(b)fluoranthene	23.181	252	837982	10.749	ng/ul	88
26) Benzo(a)pyrene	23.809	252	492514	7.013	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	26.420	276	405973	4.151	ng/ul#	84
28) Dibenzo(a,h)anthracene	26.431	278	101264	1.322	ng/ul	96
29) Benzo(g,h,i)perylene	27.199	276	388774	4.535	ng/ul	94

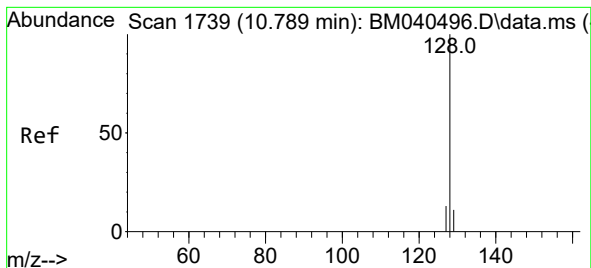
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.694 ng/ul

RT: 10.789 min Scan# 1

Delta R.T. -0.005 min

Lab File: BM040523.D

Acq: 02 Jul 2023 03:55

Instrument :

BNA_M

ClientSampleId :

DCGB4

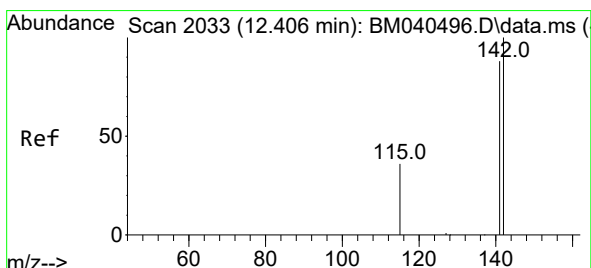
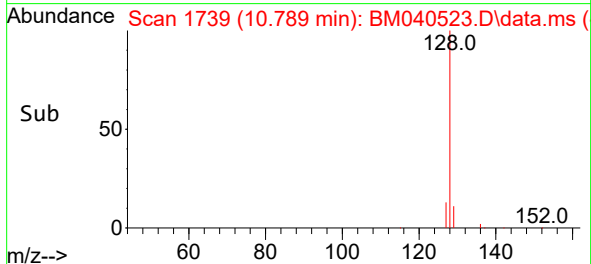
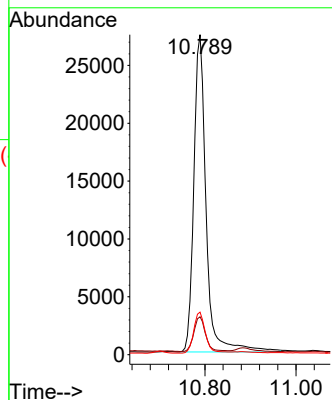
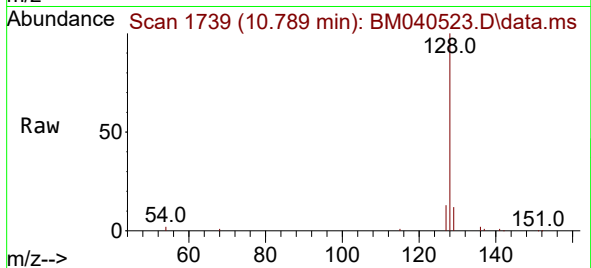
Tgt Ion:128 Resp: 51446

Ion Ratio Lower Upper

128 100

129 11.8 9.2 13.8

127 13.3 10.6 15.8



#7

2-Methylnaphthalene

Concen: 0.778 ng/ul

RT: 12.400 min Scan# 2032

Delta R.T. -0.005 min

Lab File: BM040523.D

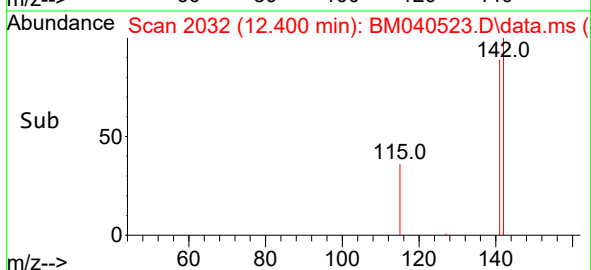
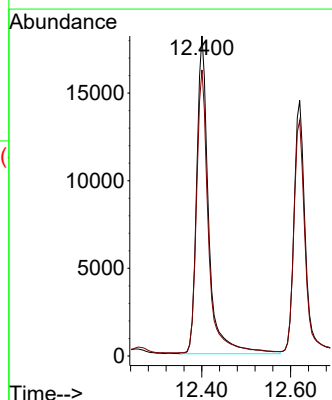
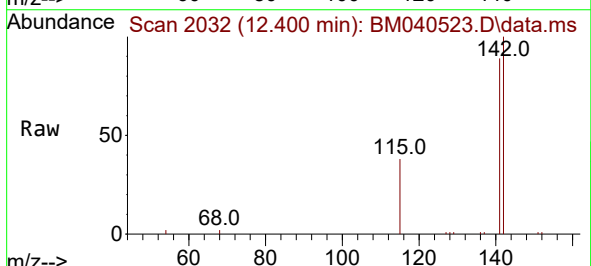
Acq: 02 Jul 2023 03:55

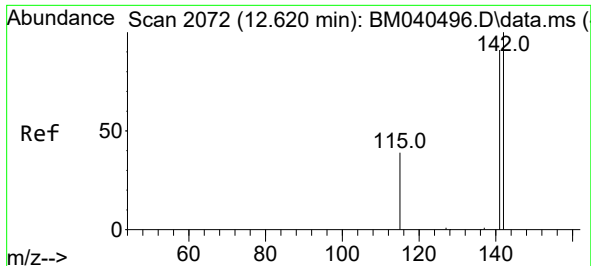
Tgt Ion:142 Resp: 33885

Ion Ratio Lower Upper

142 100

141 88.2 71.9 107.9

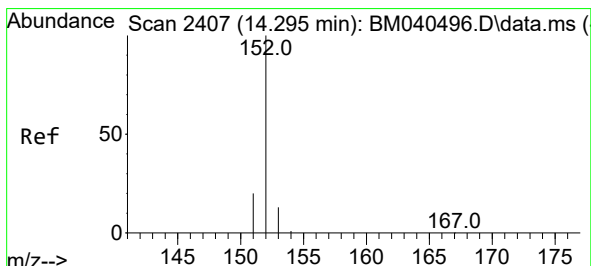
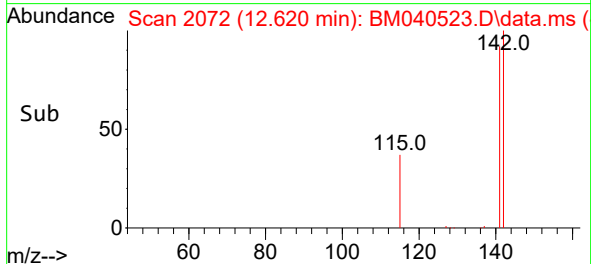
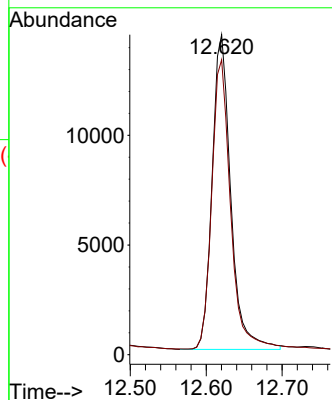
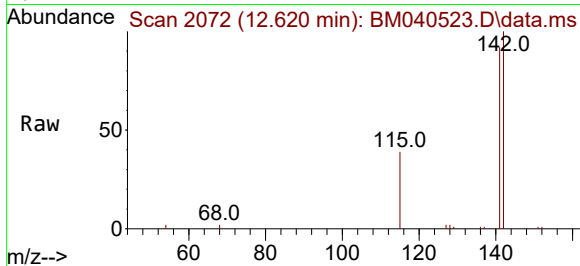




#8
1-Methylnaphthalene
Concen: 0.562 ng/ul
RT: 12.620 min Scan# 2072
Delta R.T. -0.005 min
Lab File: BM040523.D
Acq: 02 Jul 2023 03:55

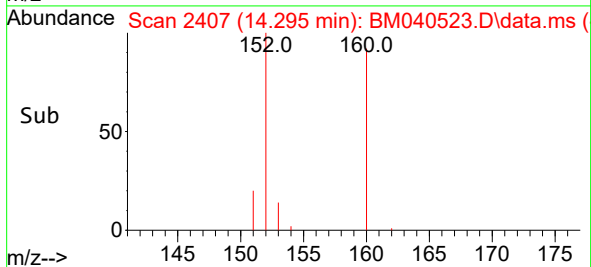
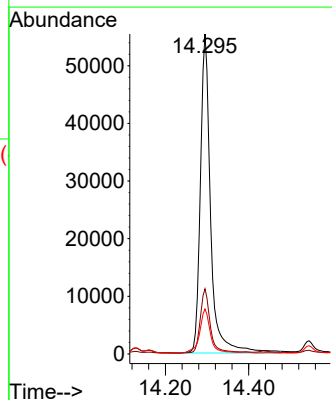
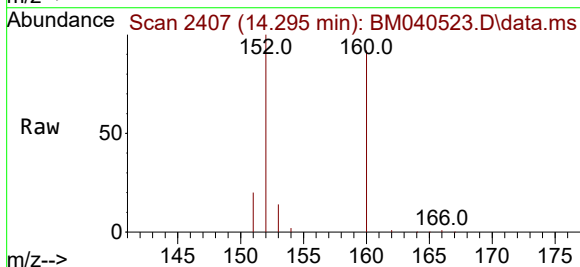
Instrument :
BNA_M
ClientSampleId :
DCGB4

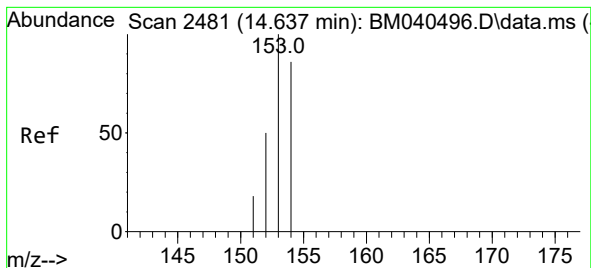
Tgt Ion:142 Resp: 24440
Ion Ratio Lower Upper
142 100
141 92.5 73.7 110.5



#10
Acenaphthylene
Concen: 1.311 ng/ul
RT: 14.295 min Scan# 2407
Delta R.T. -0.004 min
Lab File: BM040523.D
Acq: 02 Jul 2023 03:55

Tgt Ion:152 Resp: 95106
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.2
153 14.0 10.9 16.3





#11

Acenaphthene

Concen: 0.266 ng/ul

RT: 14.637 min Scan# 2481

Delta R.T. -0.004 min

Lab File: BM040523.D

Acq: 02 Jul 2023 03:55

Instrument :

BNA_M

ClientSampleId :

DCGB4

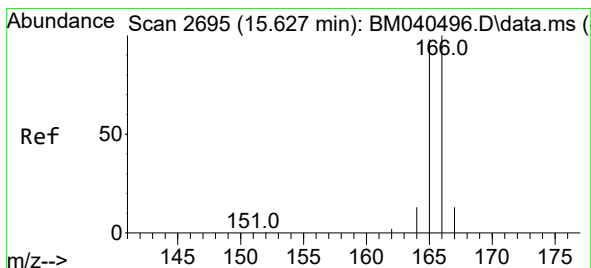
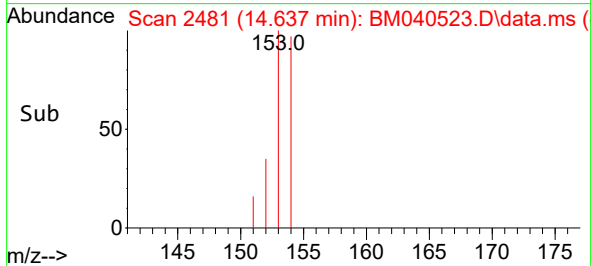
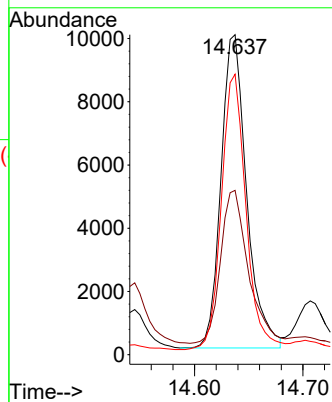
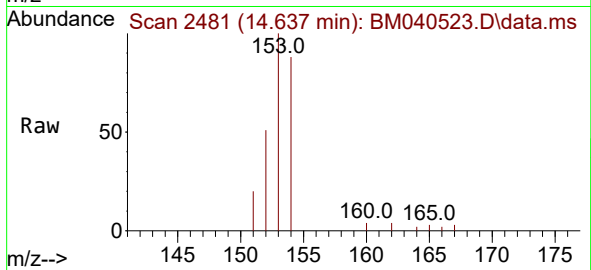
Tgt Ion:153 Resp: 16273

Ion Ratio Lower Upper

153 100

152 51.4 41.0 61.4

154 87.7 70.8 106.2



#12

Fluorene

Concen: 0.381 ng/ul

RT: 15.623 min Scan# 2694

Delta R.T. -0.009 min

Lab File: BM040523.D

Acq: 02 Jul 2023 03:55

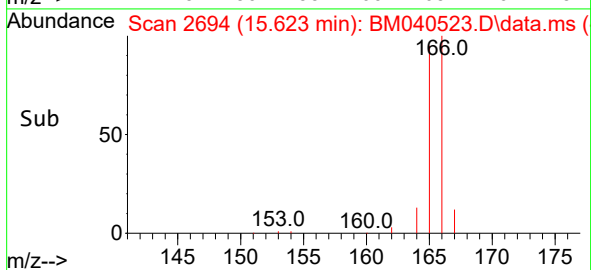
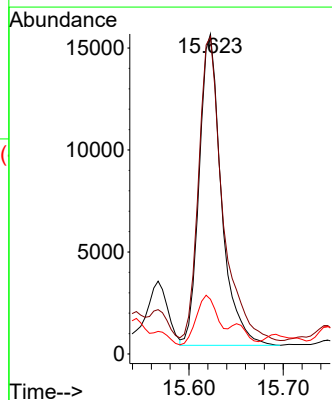
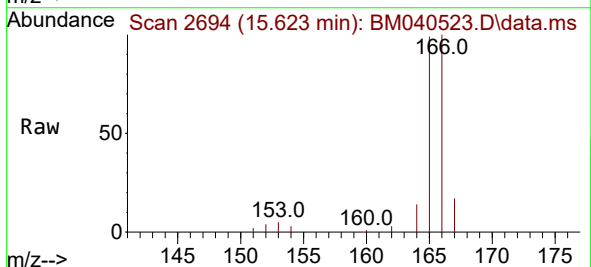
Tgt Ion:166 Resp: 24916

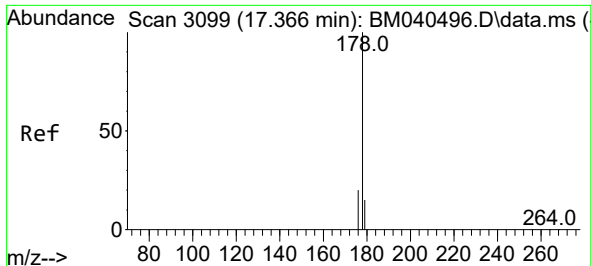
Ion Ratio Lower Upper

166 100

165 99.2 79.6 119.4

167 17.1 11.4 17.0#

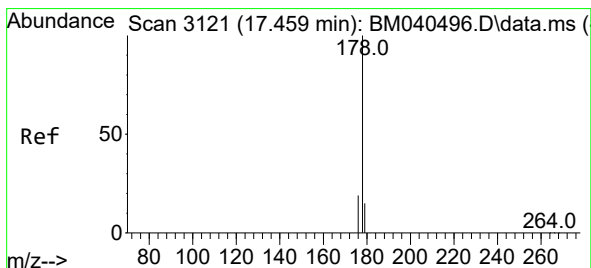
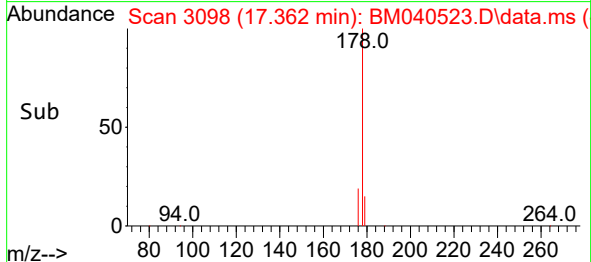
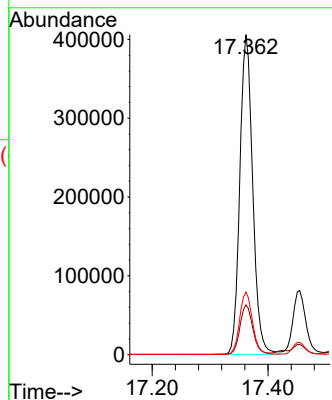
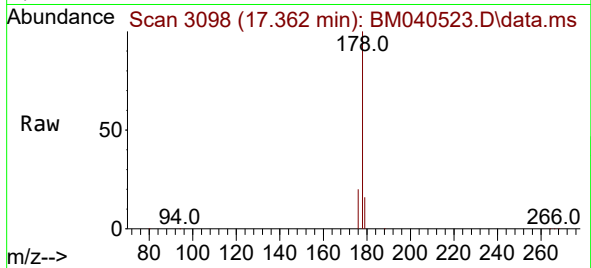




#15
Phenanthrene
Concen: 6.258 ng/ul
RT: 17.362 min Scan# 3099
Delta R.T. -0.008 min
Lab File: BM040523.D
Acq: 02 Jul 2023 03:55

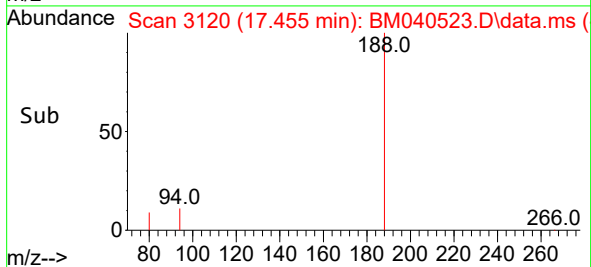
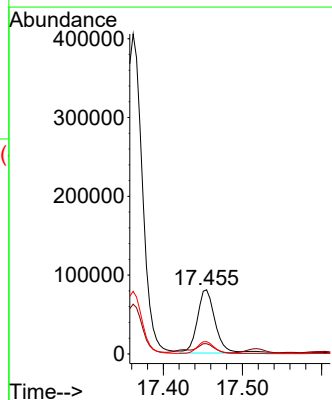
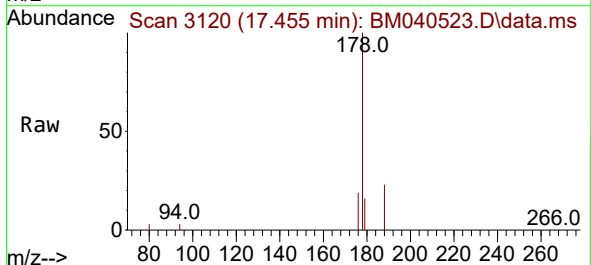
Instrument :
BNA_M
ClientSampleId :
DCGB4

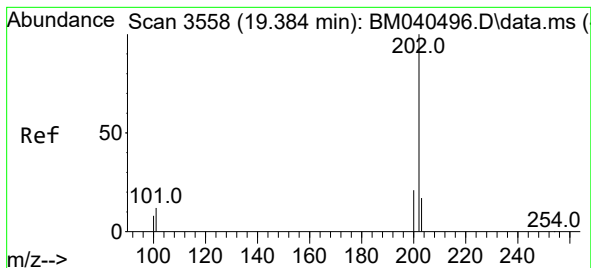
Tgt Ion:178 Resp: 624972
Ion Ratio Lower Upper
178 100
179 15.6 12.8 19.2
176 19.5 16.4 24.6



#16
Anthracene
Concen: 1.514 ng/ul
RT: 17.455 min Scan# 3120
Delta R.T. -0.008 min
Lab File: BM040523.D
Acq: 02 Jul 2023 03:55

Tgt Ion:178 Resp: 127028
Ion Ratio Lower Upper
178 100
179 16.1 12.9 19.3
176 19.2 15.8 23.6





#19

Fluoranthene

Concen: 16.617 ng/ul

RT: 19.380 min Scan# 3558

Delta R.T. -0.004 min

Lab File: BM040523.D

Acq: 02 Jul 2023 03:55

Instrument :

BNA_M

ClientSampleId :

DCGB4

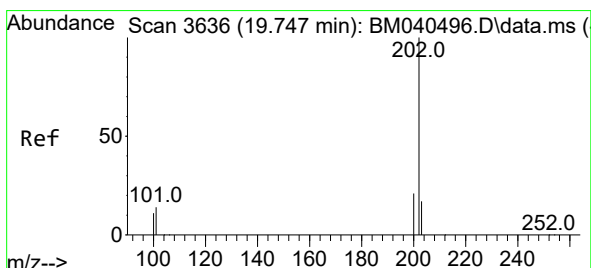
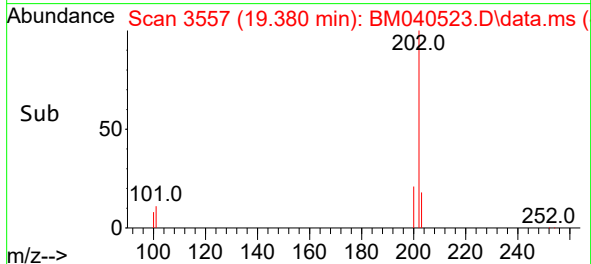
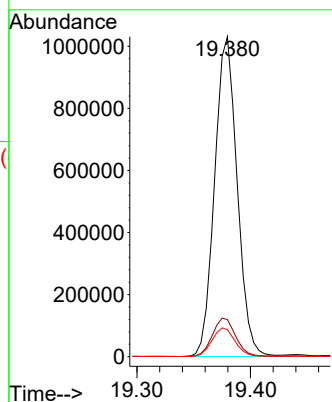
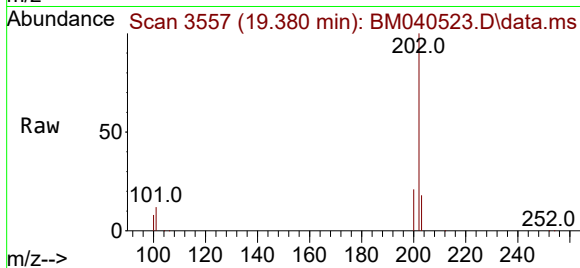
Tgt Ion:202 Resp: 1418786

Ion Ratio Lower Upper

202 100

101 11.6 11.4 17.0

100 8.5 8.7 13.1#



#20

Pyrene

Concen: 12.664 ng/ul

RT: 19.742 min Scan# 3635

Delta R.T. -0.004 min

Lab File: BM040523.D

Acq: 02 Jul 2023 03:55

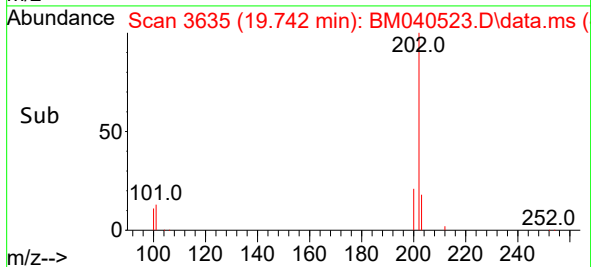
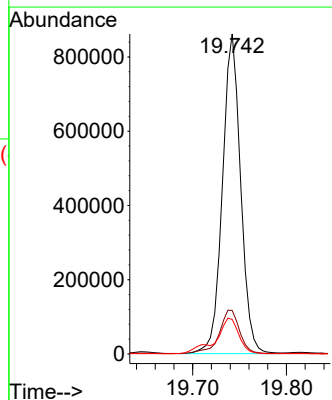
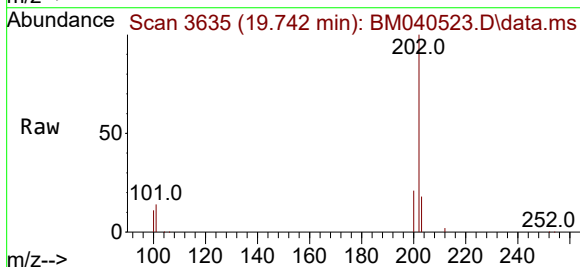
Tgt Ion:202 Resp: 1159228

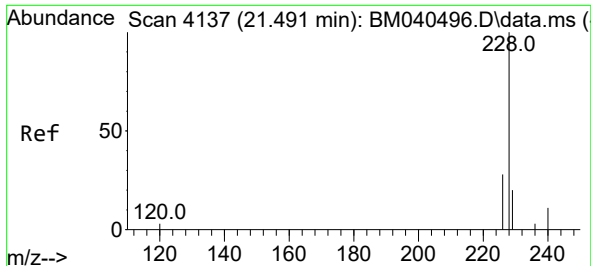
Ion Ratio Lower Upper

202 100

101 13.6 12.6 18.8

100 10.8 9.8 14.6

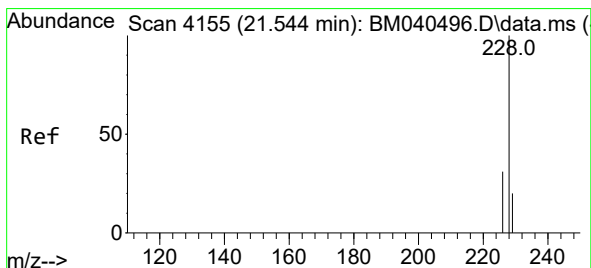
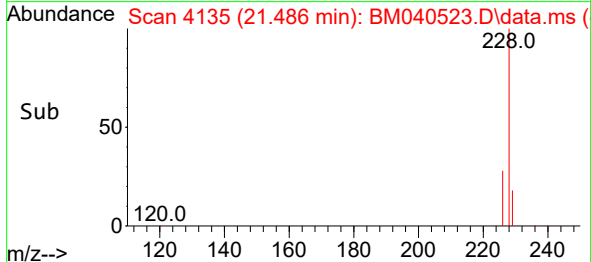
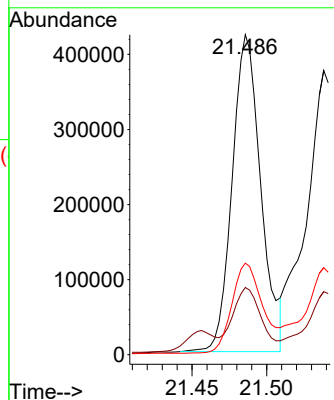
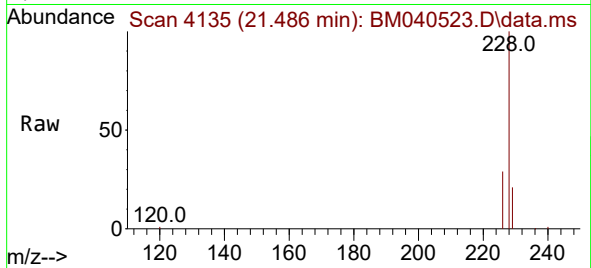




#21
Benzo(a)anthracene
Concen: 8.277 ng/ul
RT: 21.486 min Scan# 4135
Delta R.T. -0.006 min
Lab File: BM040523.D
Acq: 02 Jul 2023 03:55

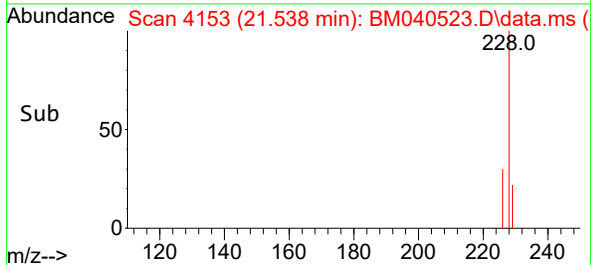
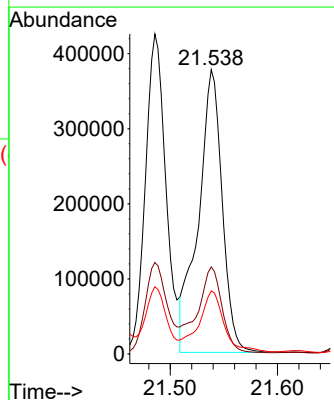
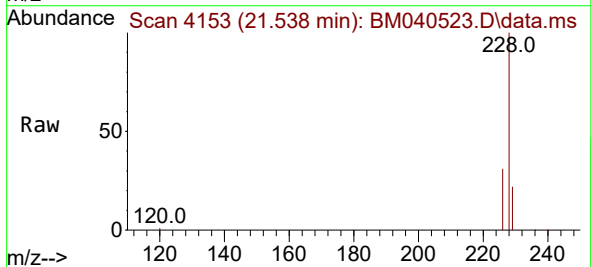
Instrument :
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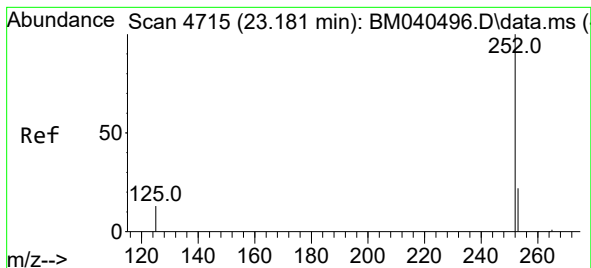
Tgt Ion:228 Resp: 562771
Ion Ratio Lower Upper
228 100
229 21.0 16.0 24.0
226 28.6 22.3 33.5



#22
Chrysene
Concen: 7.498 ng/ul
RT: 21.538 min Scan# 4153
Delta R.T. -0.006 min
Lab File: BM040523.D
Acq: 02 Jul 2023 03:55

Tgt Ion:228 Resp: 581511
Ion Ratio Lower Upper
228 100
226 30.6 24.9 37.3
229 22.2 15.8 23.6





#24

Benzo(b)fluoranthene

Concen: 10.749 ng/ul

RT: 23.181 min Scan# 4715

Delta R.T. 0.000 min

Lab File: BM040523.D

Acq: 02 Jul 2023 03:55

Instrument :

BNA_M

ClientSampleId :

DCGB4

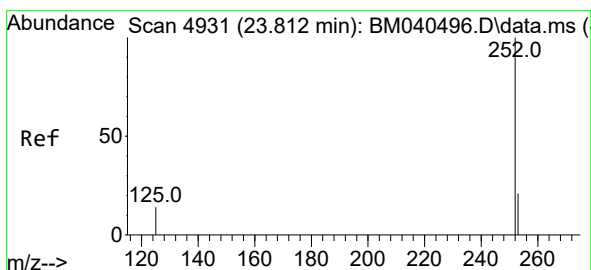
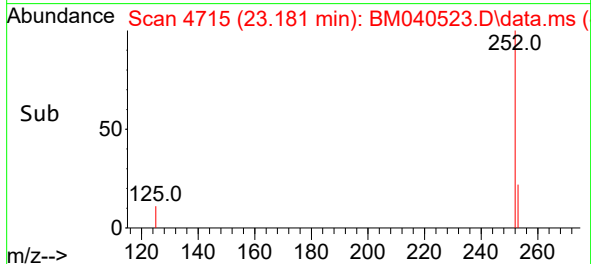
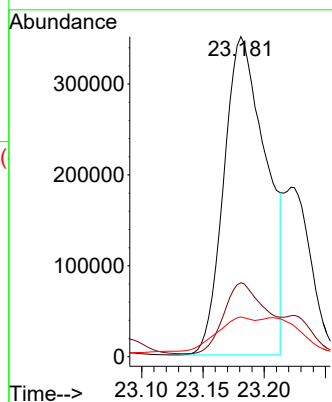
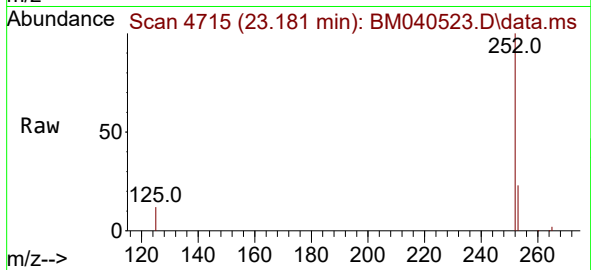
Tgt Ion:252 Resp: 837982

Ion Ratio Lower Upper

252 100

253 23.1 0.0 52.8

125 12.4 0.0 43.0



#26

Benzo(a)pyrene

Concen: 7.013 ng/ul

RT: 23.809 min Scan# 4930

Delta R.T. -0.003 min

Lab File: BM040523.D

Acq: 02 Jul 2023 03:55

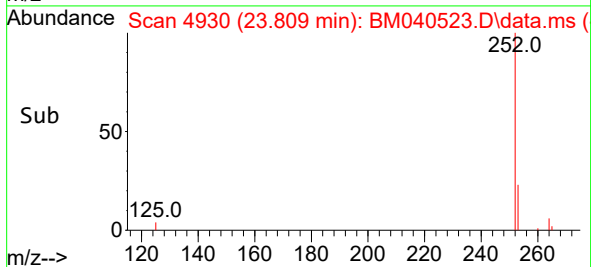
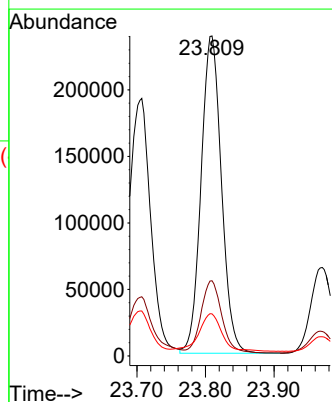
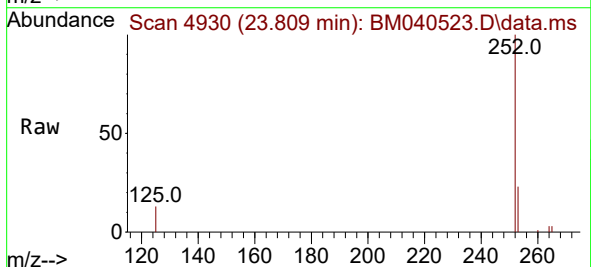
Tgt Ion:252 Resp: 492514

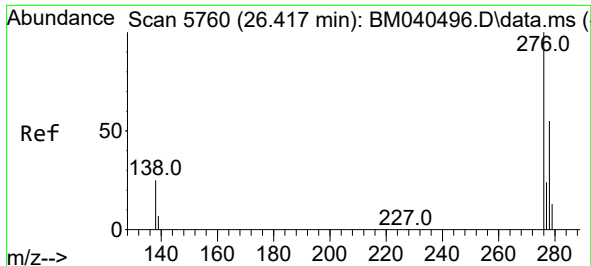
Ion Ratio Lower Upper

252 100

253 23.5 22.9 34.3

125 13.2 21.0 31.4#

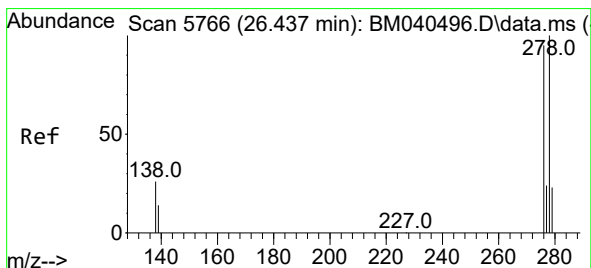
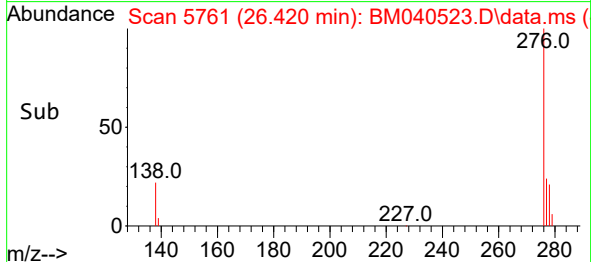
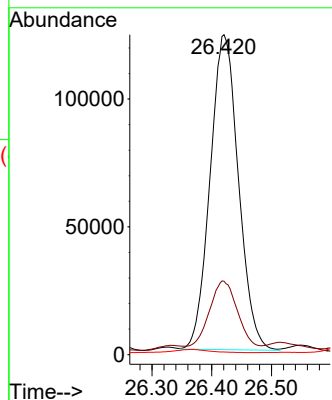
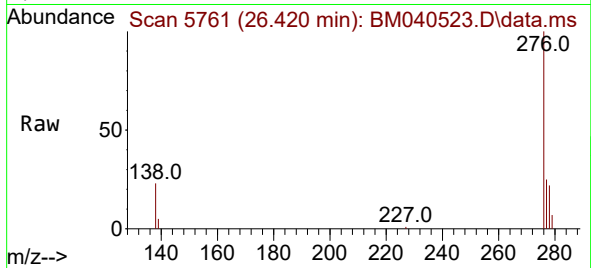




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 4.151 ng/ul
 RT: 26.420 min Scan# 5761
 Delta R.T. 0.000 min
 Lab File: BM040523.D
 Acq: 02 Jul 2023 03:55

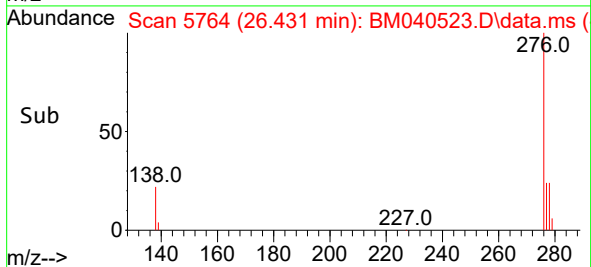
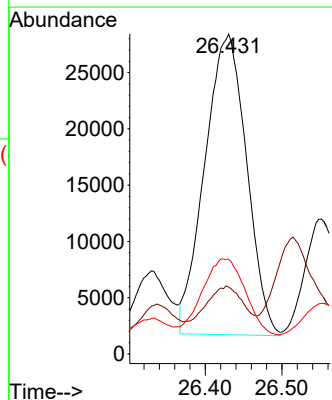
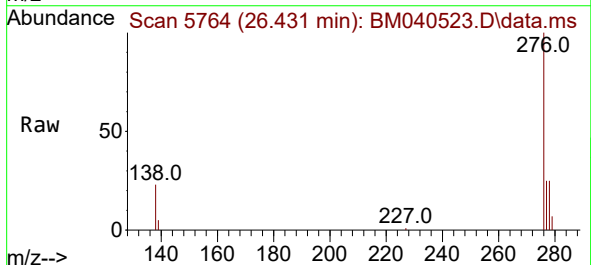
Instrument :
 BNA_M
 ClientSampleId :
 DCGB4

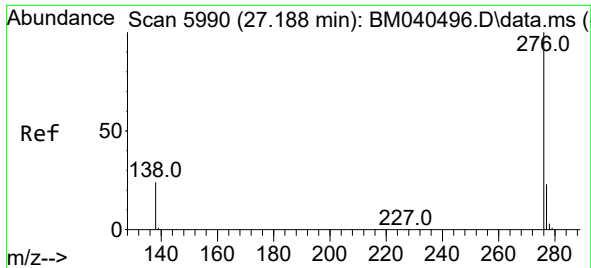
Tgt Ion:276 Resp: 405973
 Ion Ratio Lower Upper
 276 100
 138 22.1 24.5 36.7#
 227 0.0 0.1 0.1#



#28
 Dibenzo(a,h)anthracene
 Concen: 1.322 ng/ul
 RT: 26.431 min Scan# 5764
 Delta R.T. -0.006 min
 Lab File: BM040523.D
 Acq: 02 Jul 2023 03:55

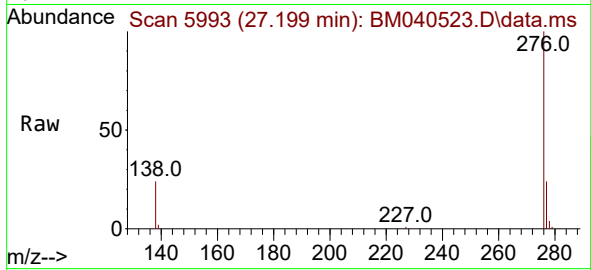
Tgt Ion:278 Resp: 101264
 Ion Ratio Lower Upper
 278 100
 139 20.9 17.9 26.9
 279 29.6 22.0 33.0





#29
 Benzo(g,h,i)perylene
 Concen: 4.535 ng/ul
 RT: 27.199 min Scan# 5993
 Delta R.T. 0.014 min
 Lab File: BM040523.D
 Acq: 02 Jul 2023 03:55

Instrument :
 BNA_M
 ClientSampleId :
 DCGB4



Tgt Ion:276 Resp: 388774
 Ion Ratio Lower Upper
 276 100
 138 23.7 23.0 34.6
 277 24.4 20.3 30.5

