

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070123\
 Data File : BM040506.D
 Acq On : 01 Jul 2023 16:46
 Operator : MA/JU
 Sample : 03161-17DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFX3DL

Quant Time: Jul 01 23:48:05 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)

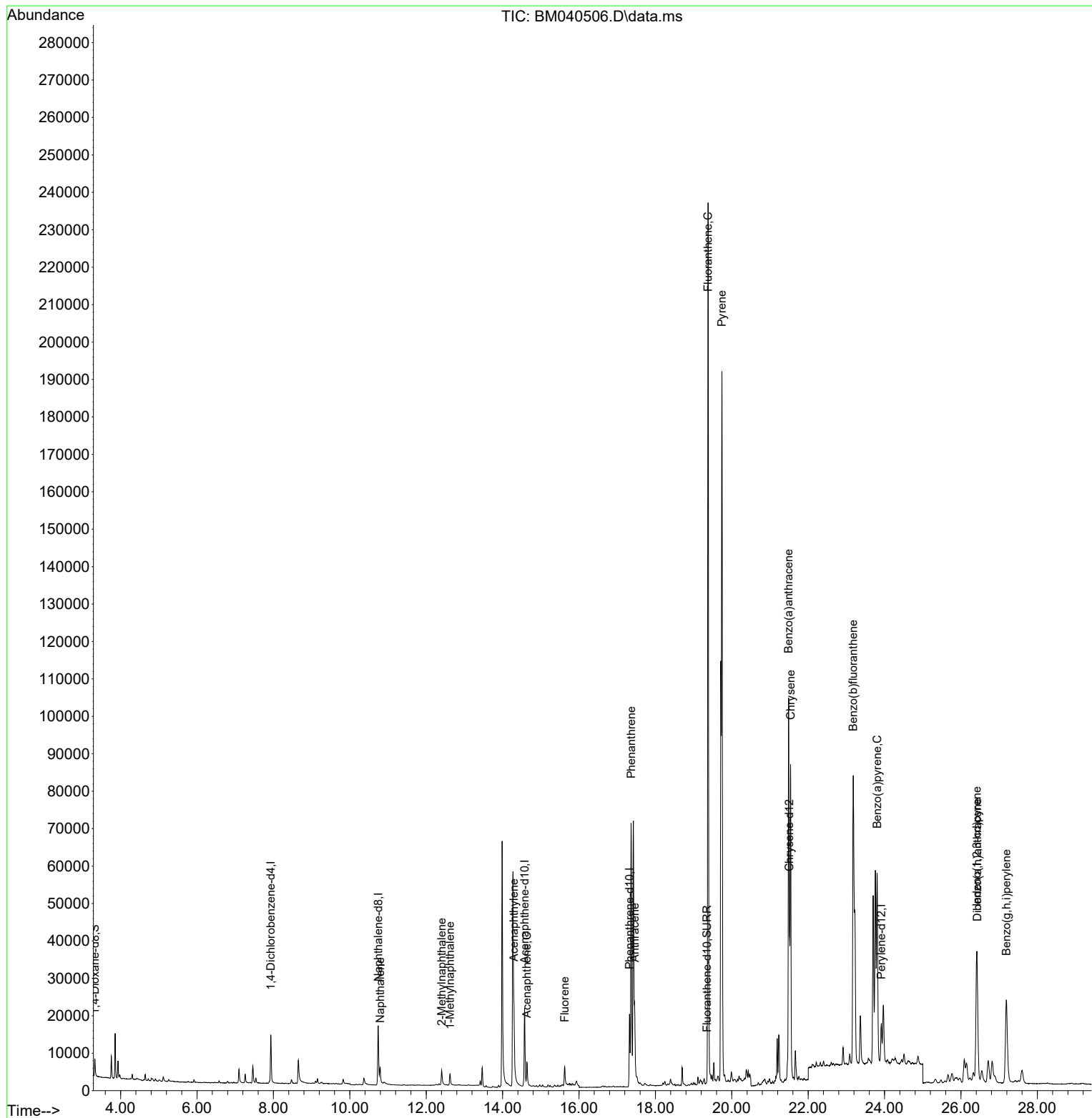
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.932	152	7047	0.400	ng/ul	0.00
4) Naphthalene-d8	10.744	136	26474	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.576	164	13223	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.322	188	25964	0.400	ng/ul	0.00
17) Chrysene-d12	21.505	240	16214	0.400	ng/ul	0.00
23) Perylene-d12	23.913	264	15672	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.325	96	2970	0.268	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.333	152	715	0.019	ng/ul	0.00
18) Fluoranthene-d10	19.350	212	1214	0.023	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.793	128	6611	0.091	ng/ul#	94
7) 2-Methylnaphthalene	12.404	142	4077	0.095	ng/ul	99
8) 1-Methylnaphthalene	12.624	142	2547	0.059	ng/ul	99
10) Acenaphthylene	14.298	152	20777	0.352	ng/ul	99
11) Acenaphthene	14.636	153	4033	0.081	ng/ul	97
12) Fluorene	15.626	166	3920	0.074	ng/ul#	96
15) Phenanthrene	17.365	178	87006	1.079	ng/ul	99
16) Anthracene	17.457	178	21987	0.324	ng/ul	98
19) Fluoranthene	19.378	202	221749	3.220	ng/ul	97
20) Pyrene	19.741	202	175514	2.377	ng/ul	99
21) Benzo(a)anthracene	21.487	228	95165	1.735	ng/ul	98
22) Chrysene	21.540	228	94781	1.515	ng/ul	98
24) Benzo(b)fluoranthene	23.179	252	141320	2.330	ng/ul	91
26) Benzo(a)pyrene	23.805	252	80215	1.468	ng/ul#	87
27) Indeno(1,2,3-cd)pyrene	26.416	276	63517	0.835	ng/ul#	88
28) Dibenzo(a,h)anthracene	26.426	278	16007	0.269	ng/ul#	91
29) Benzo(g,h,i)perylene	27.187	276	54225	0.813	ng/ul	96

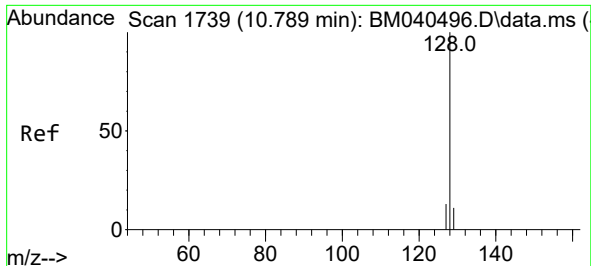
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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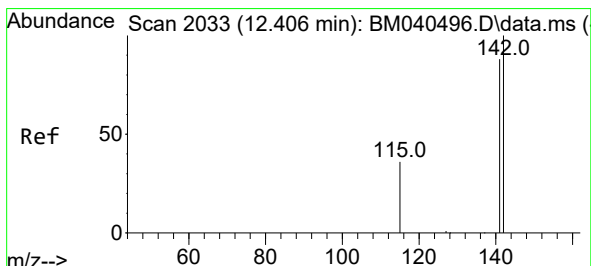
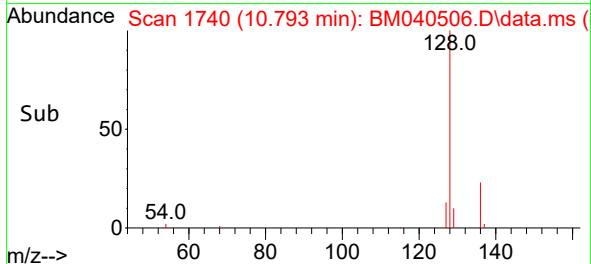
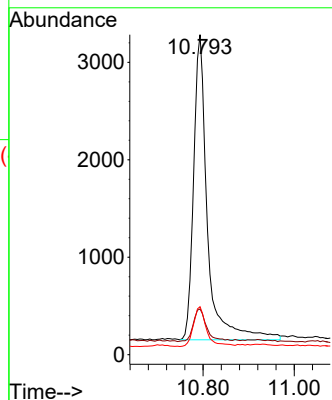
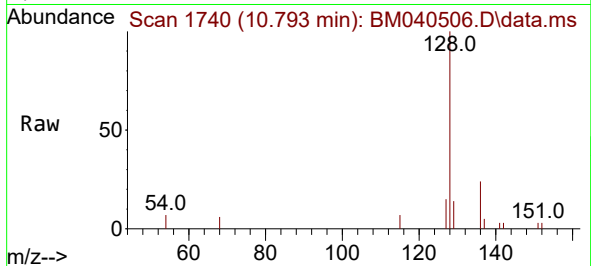




#5
Naphthalene
Concen: 0.091 ng/ul
RT: 10.793 min Scan# 1740
Delta R.T. -0.001 min
Lab File: BM040506.D
Acq: 01 Jul 2023 16:46

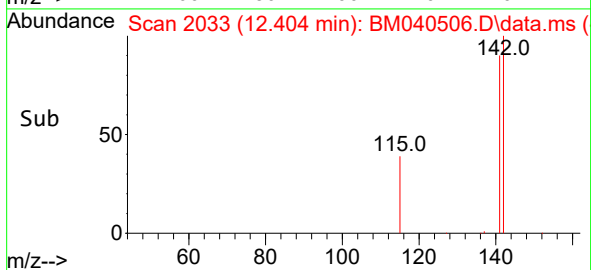
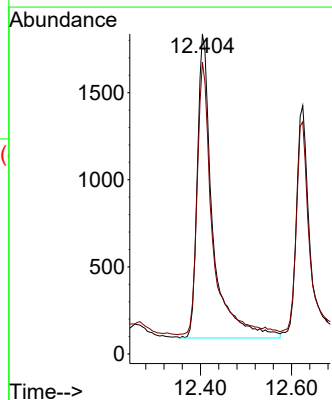
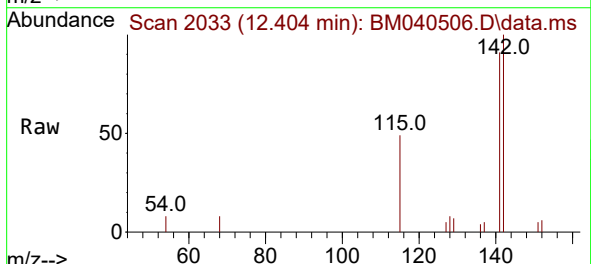
Instrument :
BNA_M
ClientSampleId :
DCFX3DL

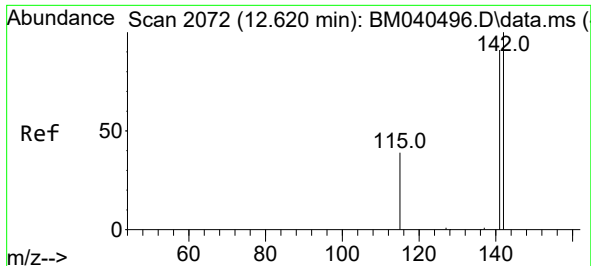
Tgt Ion:128 Resp: 6611
Ion Ratio Lower Upper
128 100
129 14.3 9.2 13.8#
127 15.0 10.6 15.8



#7
2-Methylnaphthalene
Concen: 0.095 ng/ul
RT: 12.404 min Scan# 2033
Delta R.T. -0.001 min
Lab File: BM040506.D
Acq: 01 Jul 2023 16:46

Tgt Ion:142 Resp: 4077
Ion Ratio Lower Upper
142 100
141 89.0 71.9 107.9

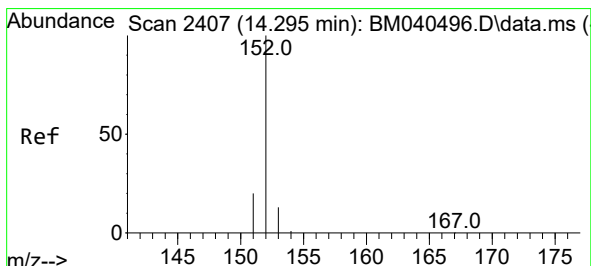
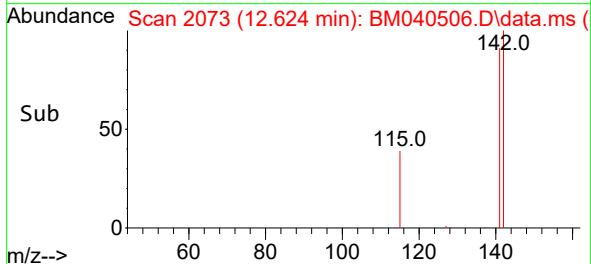
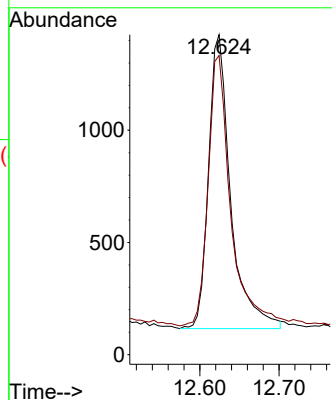
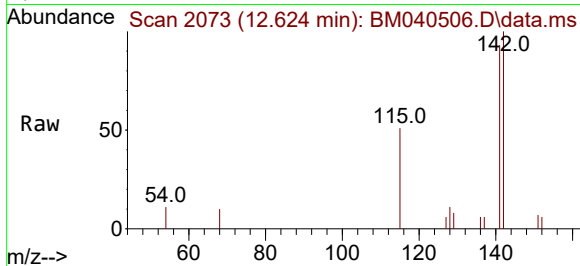




#8
1-Methylnaphthalene
Concen: 0.059 ng/ul
RT: 12.624 min Scan# 2073
Delta R.T. -0.001 min
Lab File: BM040506.D
Acq: 01 Jul 2023 16:46

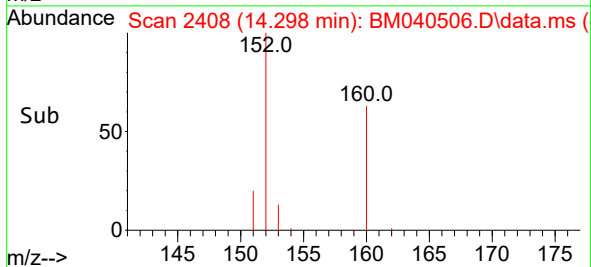
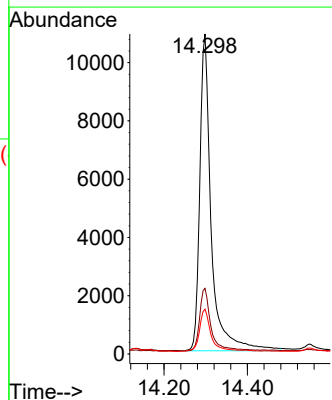
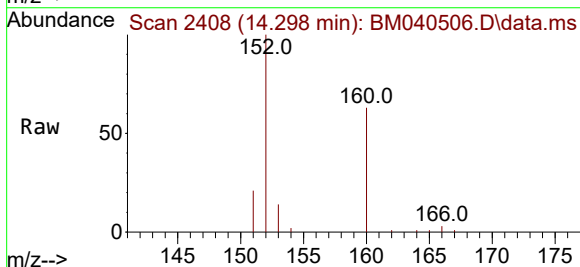
Instrument :
BNA_M
ClientSampleId :
DCFX3DL

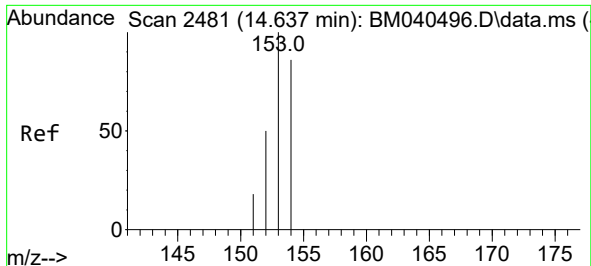
Tgt Ion:142 Resp: 2547
Ion Ratio Lower Upper
142 100
141 93.0 73.7 110.5



#10
Acenaphthylene
Concen: 0.352 ng/ul
RT: 14.298 min Scan# 2408
Delta R.T. -0.001 min
Lab File: BM040506.D
Acq: 01 Jul 2023 16:46

Tgt Ion:152 Resp: 20777
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.2
153 14.0 10.9 16.3

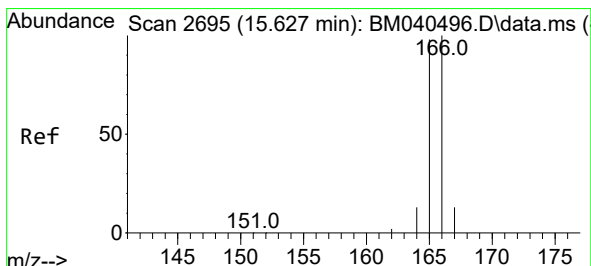
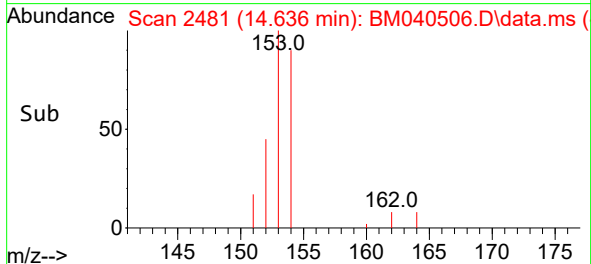
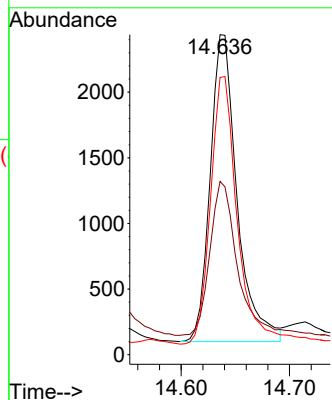
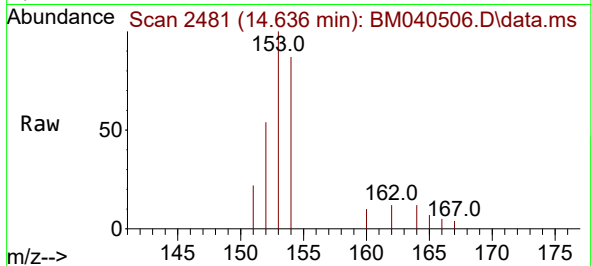




#11
Acenaphthene
Concen: 0.081 ng/ul
RT: 14.636 min Scan# 2481
Delta R.T. -0.006 min
Lab File: BM040506.D
Acq: 01 Jul 2023 16:46

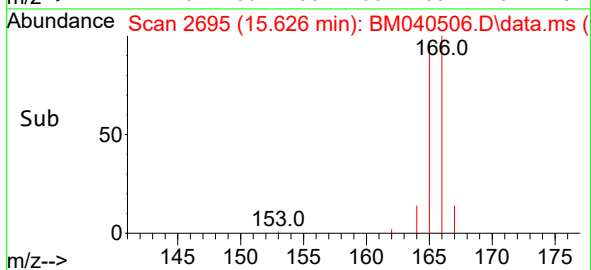
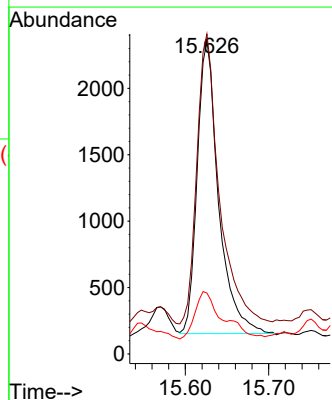
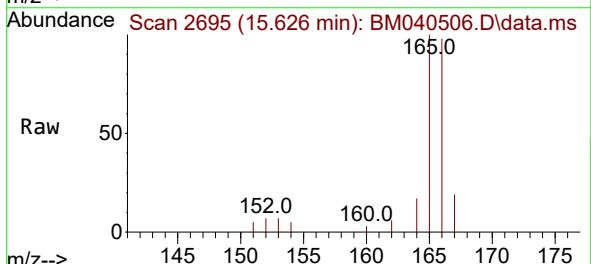
Instrument :
BNA_M
ClientSampleId :
DCFX3DL

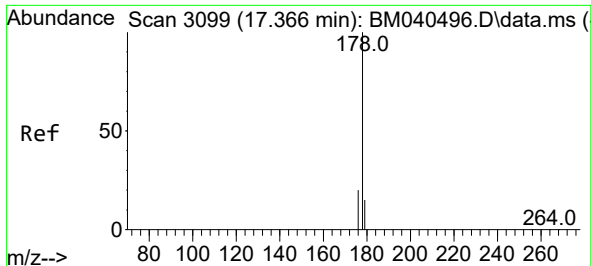
Tgt Ion:153 Resp: 4033
Ion Ratio Lower Upper
153 100
152 54.1 41.0 61.4
154 86.6 70.8 106.2



#12
Fluorene
Concen: 0.074 ng/ul
RT: 15.626 min Scan# 2695
Delta R.T. -0.006 min
Lab File: BM040506.D
Acq: 01 Jul 2023 16:46

Tgt Ion:166 Resp: 3920
Ion Ratio Lower Upper
166 100
165 102.1 79.6 119.4
167 19.4 11.4 17.0#

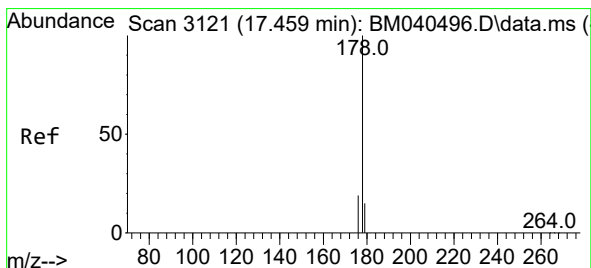
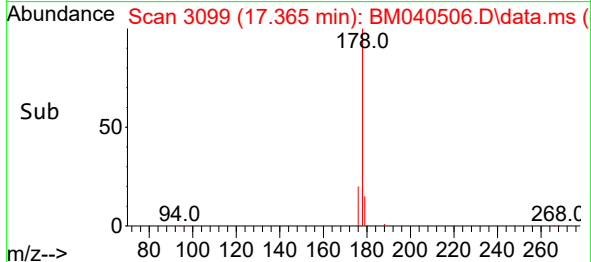
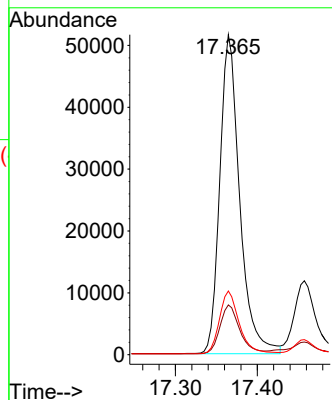
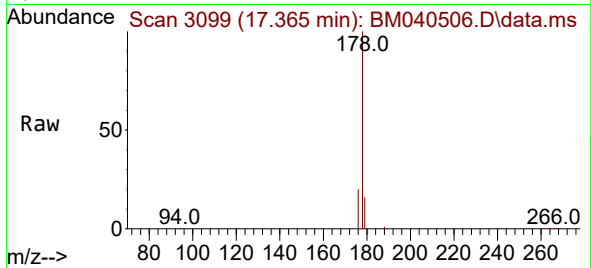




#15
Phenanthrene
Concen: 1.079 ng/ul
RT: 17.365 min Scan# 3099
Delta R.T. -0.006 min
Lab File: BM040506.D
Acq: 01 Jul 2023 16:46

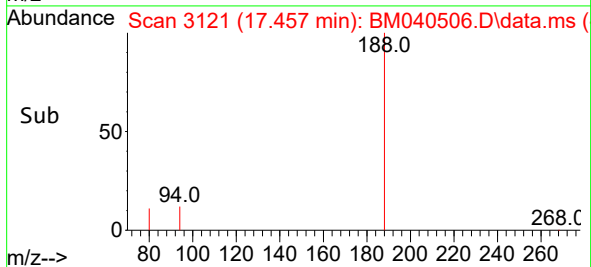
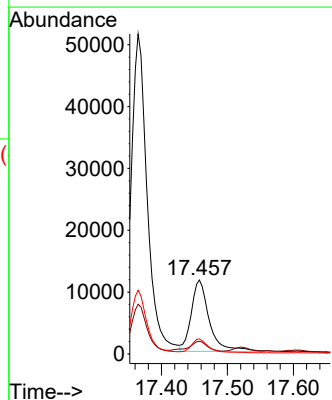
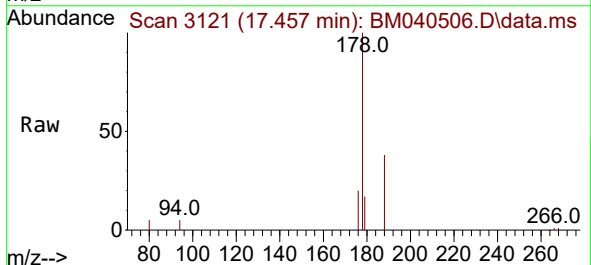
Instrument :
BNA_M
ClientSampleId :
DCFX3DL

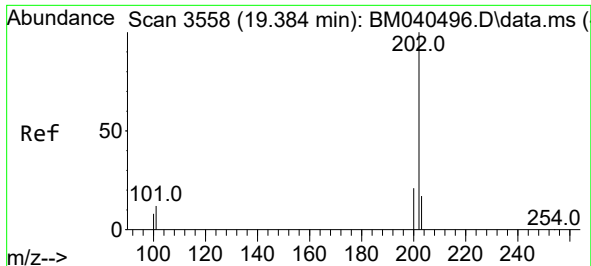
Tgt Ion:178 Resp: 87006
Ion Ratio Lower Upper
178 100
179 15.5 12.8 19.2
176 19.9 16.4 24.6



#16
Anthracene
Concen: 0.324 ng/ul
RT: 17.457 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BM040506.D
Acq: 01 Jul 2023 16:46

Tgt Ion:178 Resp: 21987
Ion Ratio Lower Upper
178 100
179 17.1 12.9 19.3
176 20.3 15.8 23.6

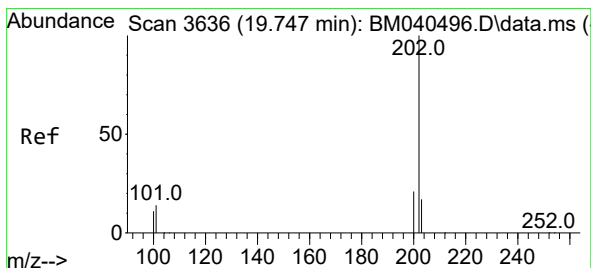
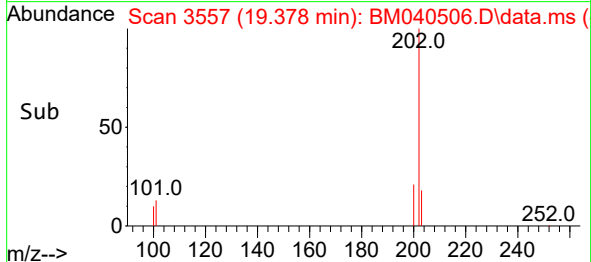
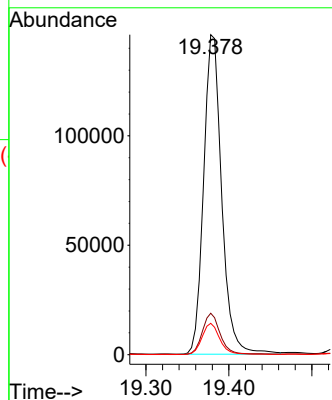
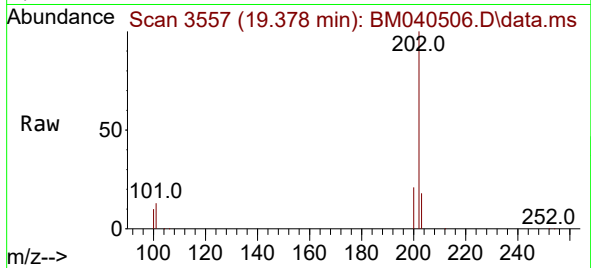




#19
Fluoranthene
Concen: 3.220 ng/ul
RT: 19.378 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM040506.D
Acq: 01 Jul 2023 16:46

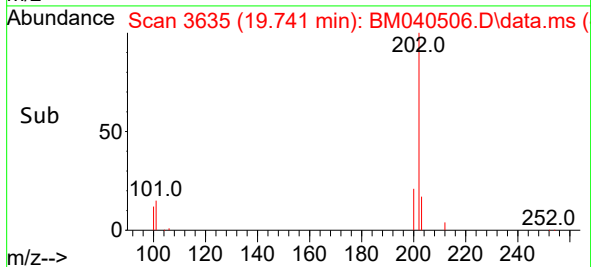
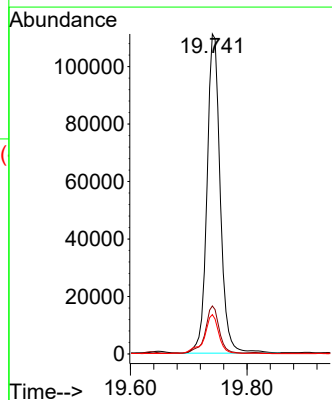
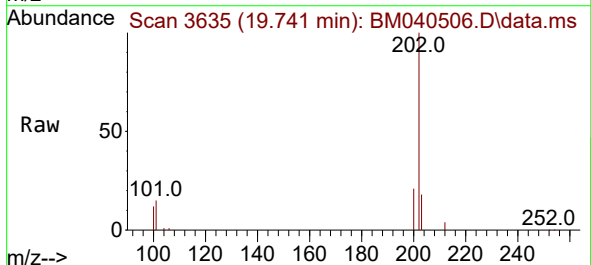
Instrument :
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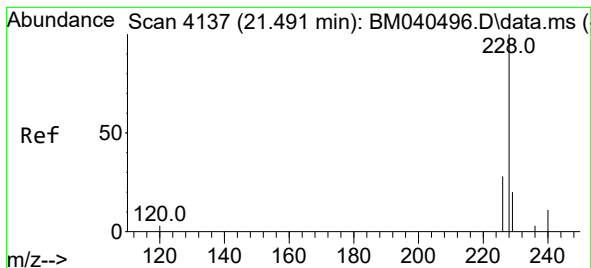
Tgt Ion:202 Resp: 221749
Ion Ratio Lower Upper
202 100
101 13.0 11.4 17.0
100 9.8 8.7 13.1



#20
Pyrene
Concen: 2.377 ng/ul
RT: 19.741 min Scan# 3635
Delta R.T. -0.006 min
Lab File: BM040506.D
Acq: 01 Jul 2023 16:46

Tgt Ion:202 Resp: 175514
Ion Ratio Lower Upper
202 100
101 15.0 12.6 18.8
100 12.3 9.8 14.6





#21

Benzo(a)anthracene

Concen: 1.735 ng/ul

RT: 21.487 min Scan# 4136

Delta R.T. -0.004 min

Lab File: BM040506.D

Acq: 01 Jul 2023 16:46

Instrument :

BNA_M

ClientSampleId :

DCFX3DL

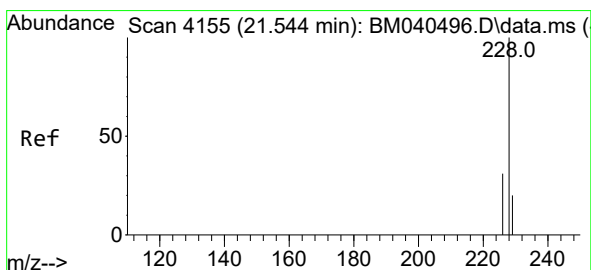
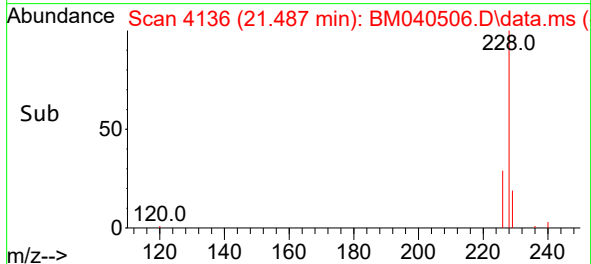
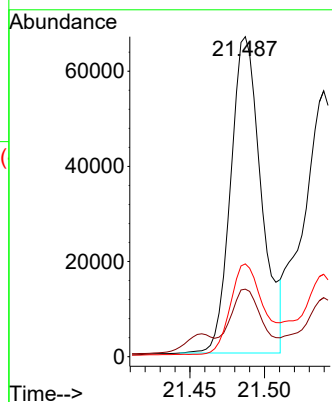
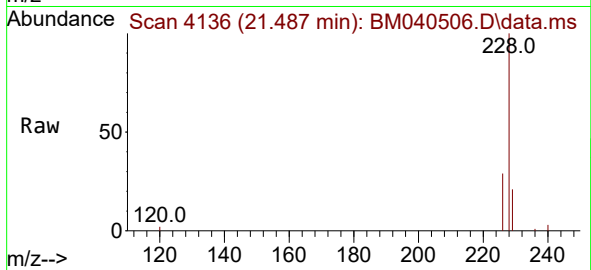
Tgt Ion:228 Resp: 95165

Ion Ratio Lower Upper

228 100

229 21.1 16.0 24.0

226 29.0 22.3 33.5



#22

Chrysene

Concen: 1.515 ng/ul

RT: 21.540 min Scan# 4154

Delta R.T. -0.004 min

Lab File: BM040506.D

Acq: 01 Jul 2023 16:46

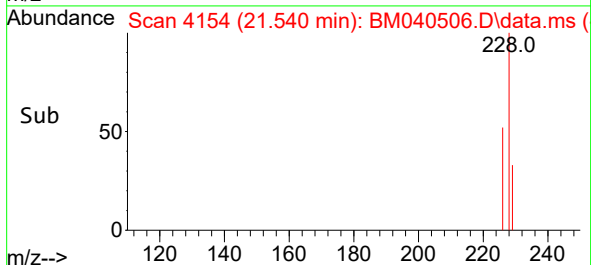
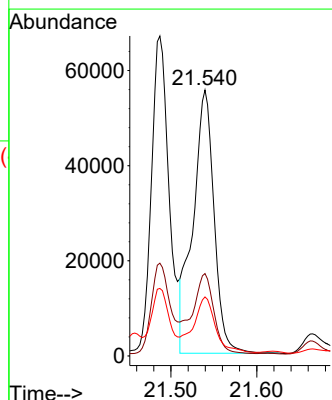
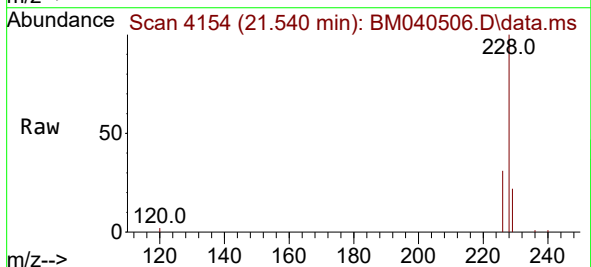
Tgt Ion:228 Resp: 94781

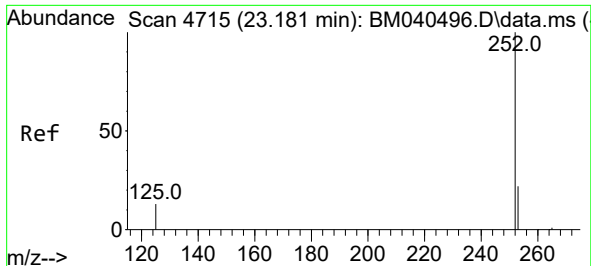
Ion Ratio Lower Upper

228 100

226 31.0 24.9 37.3

229 22.2 15.8 23.6

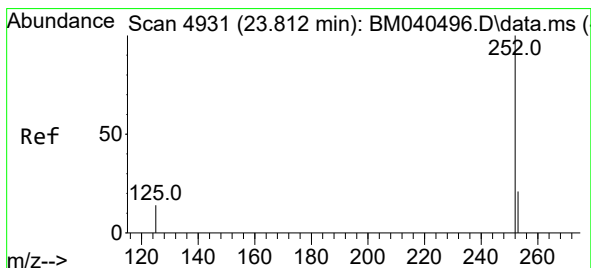
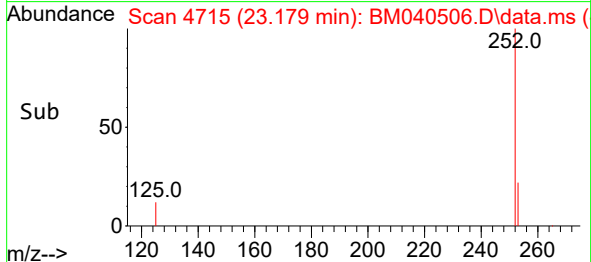
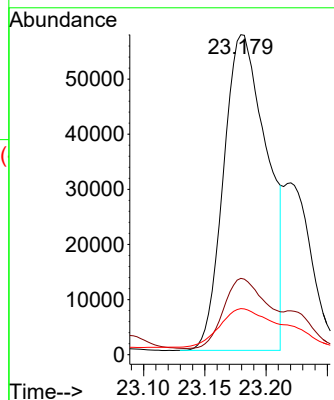
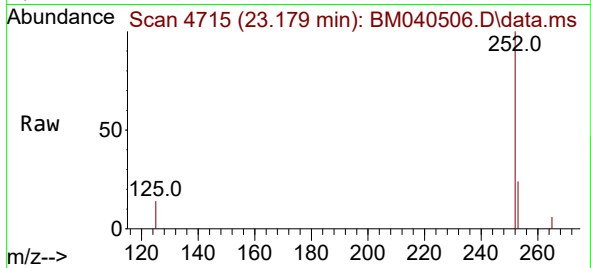




#24
Benzo(b)fluoranthene
Concen: 2.330 ng/ul
RT: 23.179 min Scan# 41
Delta R.T. -0.001 min
Lab File: BM040506.D
Acq: 01 Jul 2023 16:46

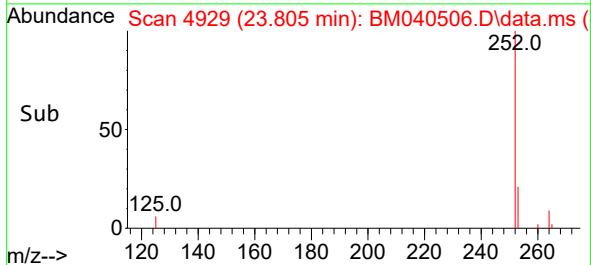
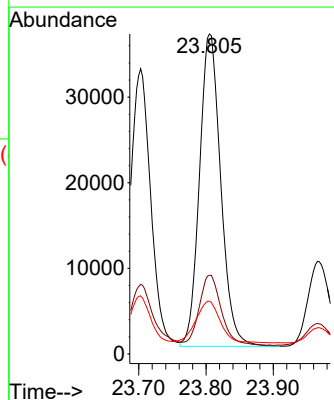
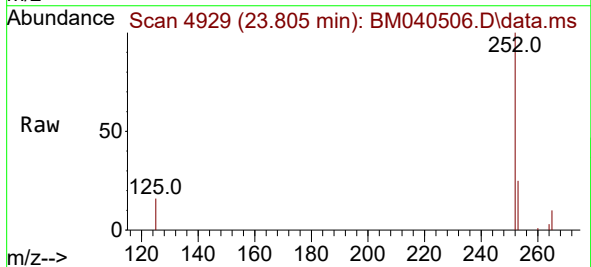
Instrument :
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ClientSampleId :
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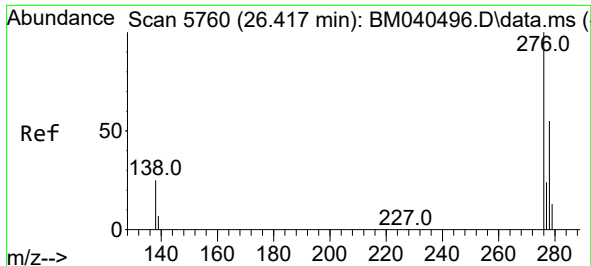
Tgt Ion:252 Resp: 141320
Ion Ratio Lower Upper
252 100
253 23.9 0.0 52.8
125 14.4 0.0 43.0



#26
Benzo(a)pyrene
Concen: 1.468 ng/ul
RT: 23.805 min Scan# 4929
Delta R.T. -0.007 min
Lab File: BM040506.D
Acq: 01 Jul 2023 16:46

Tgt Ion:252 Resp: 80215
Ion Ratio Lower Upper
252 100
253 24.6 22.9 34.3
125 16.5 21.0 31.4#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.835 ng/ul

RT: 26.416 min Scan# 5

Delta R.T. -0.005 min

Lab File: BM040506.D

Acq: 01 Jul 2023 16:46

Instrument :

BNA_M

ClientSampleId :

DCFX3DL

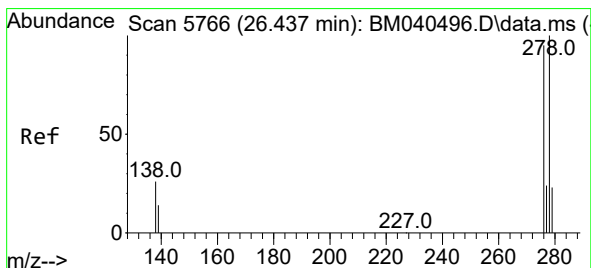
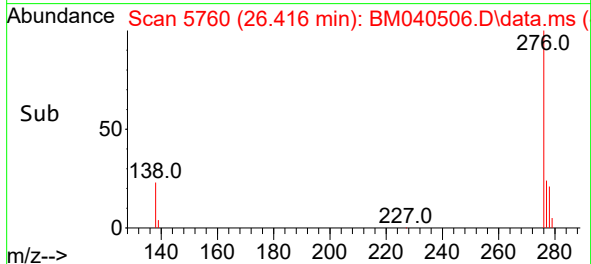
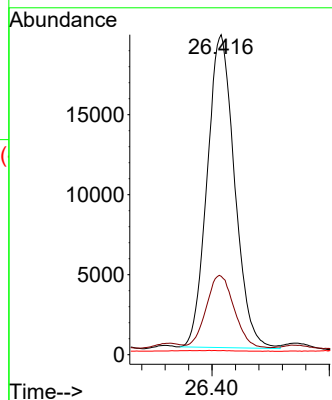
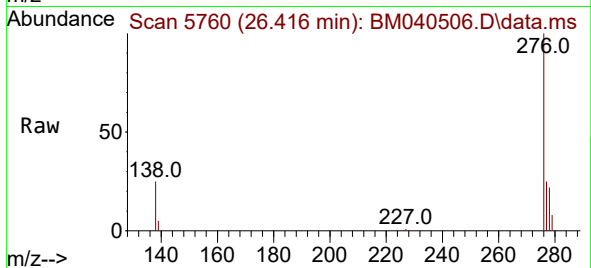
Tgt Ion:276 Resp: 63517

Ion Ratio Lower Upper

276 100

138 24.0 24.5 36.7#

227 0.0 0.1 0.1#



#28

Dibenzo(a,h)anthracene

Concen: 0.269 ng/ul

RT: 26.426 min Scan# 5763

Delta R.T. -0.011 min

Lab File: BM040506.D

Acq: 01 Jul 2023 16:46

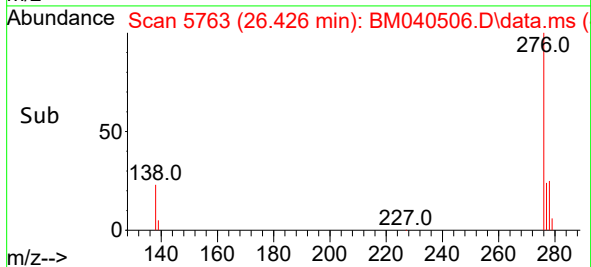
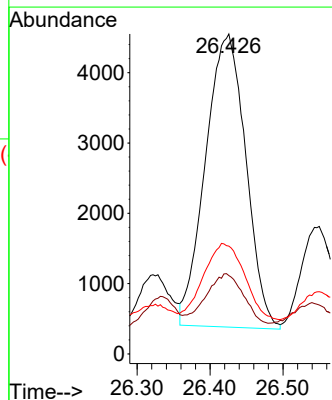
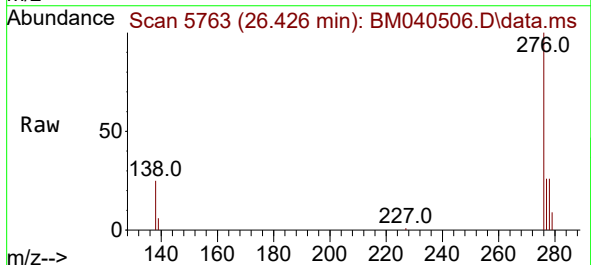
Tgt Ion:278 Resp: 16007

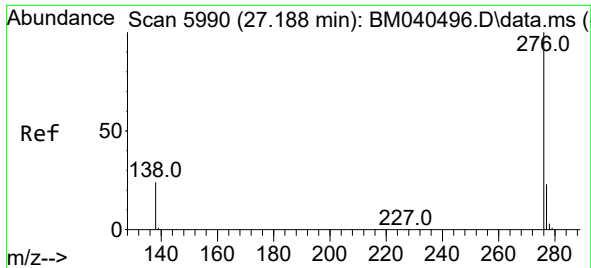
Ion Ratio Lower Upper

278 100

139 24.5 17.9 26.9

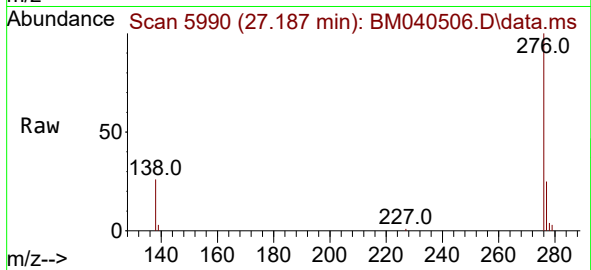
279 33.7 22.0 33.0#





#29
 Benzo(g,h,i)perylene
 Concen: 0.813 ng/ul
 RT: 27.187 min Scan# 5990
 Delta R.T. 0.002 min
 Lab File: BM040506.D
 Acq: 01 Jul 2023 16:46

Instrument :
 BNA_M
 ClientSampleId :
 DCFX3DL



Tgt Ion:276 Resp: 54225
 Ion Ratio Lower Upper
 276 100
 138 25.6 23.0 34.6
 277 24.8 20.3 30.5

