

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070323\
 Data File : BM040578.D
 Acq On : 03 Jul 2023 16:50
 Operator : MA/JU
 Sample : 03242-06DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCGA4DL

Quant Time: Jul 03 18:35:20 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 : Mon Jul 03 13:40:38 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

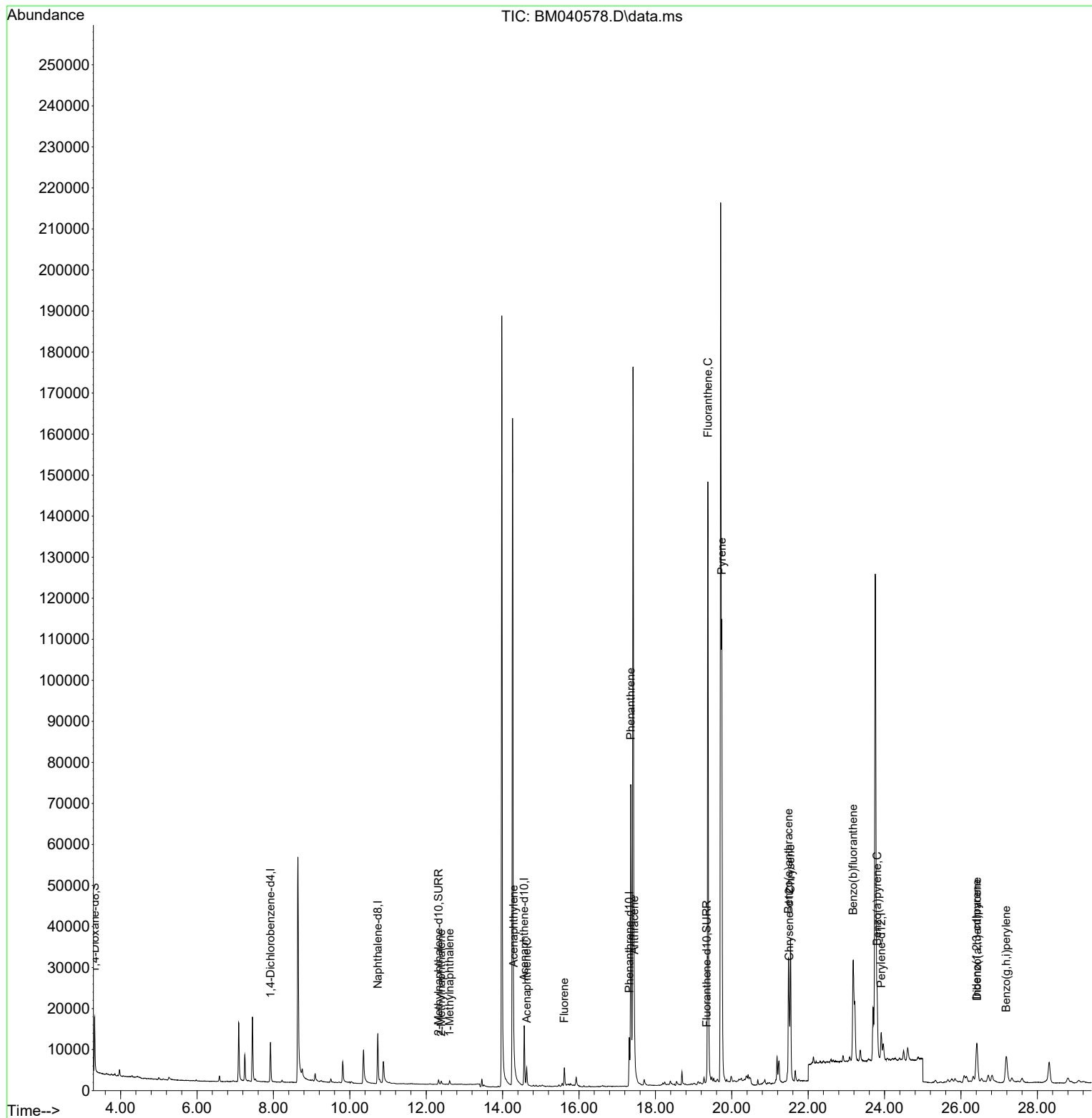
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.923	152	5167	0.400	ng/ul	0.00
4) Naphthalene-d8	10.733	136	18906	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.566	164	8599	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.318	188	15950	0.400	ng/ul	0.00
17) Chrysene-d12	21.502	240	9137	0.400	ng/ul	0.00
23) Perylene-d12	23.913	264	9806	0.400	ng/ul #	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.321	96	7901	0.973	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.322	152	1856	0.070	ng/ul	0.00
18) Fluoranthene-d10	19.346	212	2548	0.087	ng/ul	0.00
Target Compounds						
					Qvalue	
7) 2-Methylnaphthalene	12.393	142	722	0.024	ng/ul	100
8) 1-Methylnaphthalene	12.613	142	738	0.024	ng/ul	97
10) Acenaphthylene	14.289	152	2588	0.067	ng/ul#	84
11) Acenaphthene	14.631	153	2630	0.081	ng/ul	98
12) Fluorene	15.617	166	3370	0.097	ng/ul#	98
15) Phenanthrene	17.356	178	92915	1.875	ng/ul	99
16) Anthracene	17.449	178	7304	0.175	ng/ul#	91
19) Fluoranthene	19.373	202	142665	3.676	ng/ul	97
20) Pyrene	19.736	202	92852	2.231	ng/ul	99
21) Benzo(a)anthracene	21.484	228	30099	0.974	ng/ul	97
22) Chrysene	21.537	228	38082	1.080	ng/ul	97
24) Benzo(b)fluoranthene	23.179	252	48237	1.271	ng/ul	97
26) Benzo(a)pyrene	23.805	252	22346	0.654	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.412	276	18953	0.398	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.422	278	4693	0.126	ng/ul#	54
29) Benzo(g,h,i)perylene	27.184	276	16725	0.401	ng/ul	94

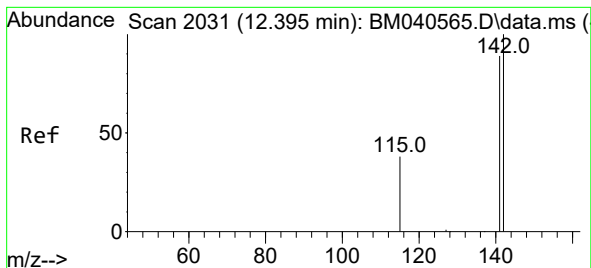
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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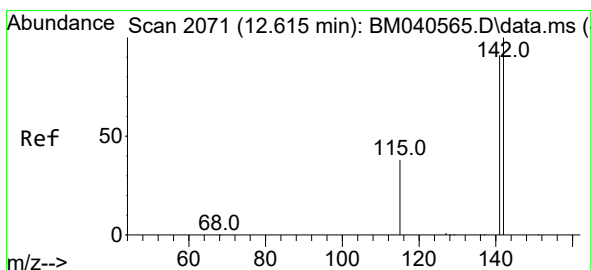
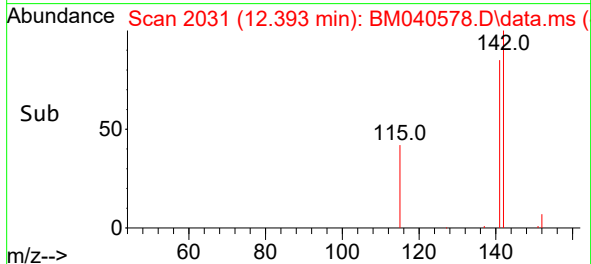
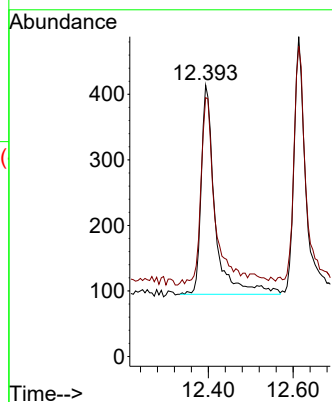
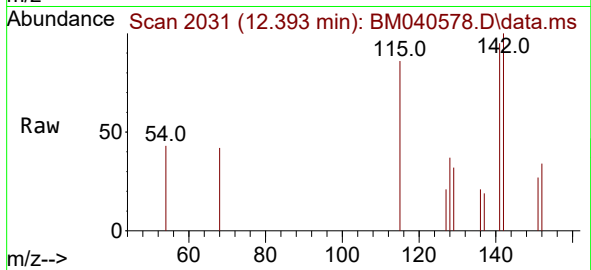




#7
2-Methylnaphthalene
Concen: 0.024 ng/ul
RT: 12.393 min Scan# 2031
Delta R.T. -0.001 min
Lab File: BM040578.D
Acq: 03 Jul 2023 16:50

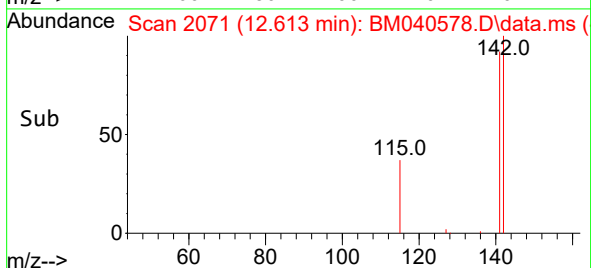
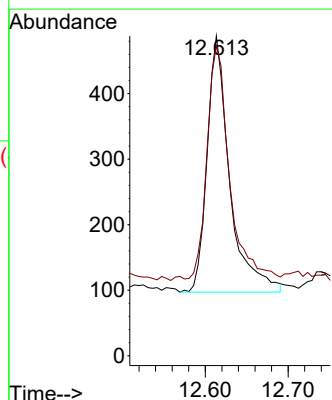
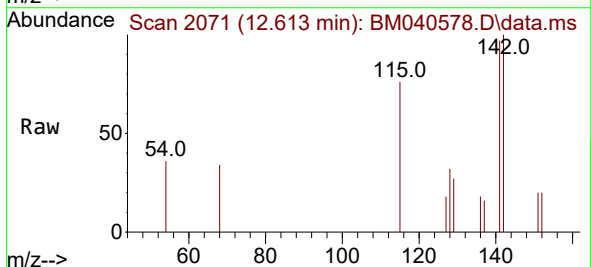
Instrument :
BNA_M
ClientSampleId :
DCGA4DL

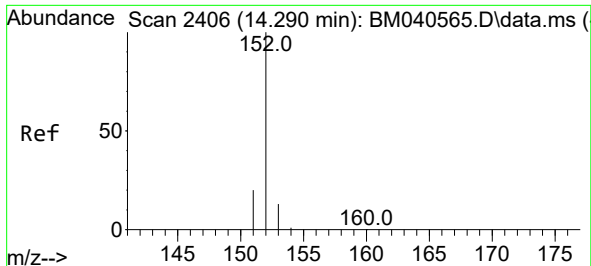
Tgt Ion:142 Resp: 722
Ion Ratio Lower Upper
142 100
141 89.5 71.9 107.9



#8
1-Methylnaphthalene
Concen: 0.024 ng/ul
RT: 12.613 min Scan# 2071
Delta R.T. -0.001 min
Lab File: BM040578.D
Acq: 03 Jul 2023 16:50

Tgt Ion:142 Resp: 738
Ion Ratio Lower Upper
142 100
141 89.7 73.7 110.5

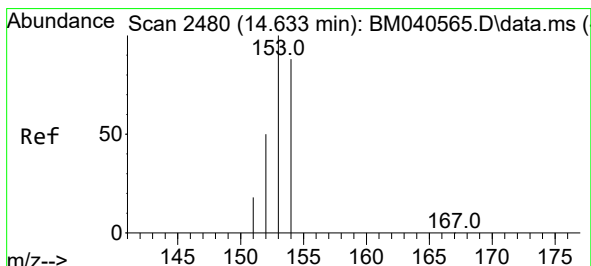
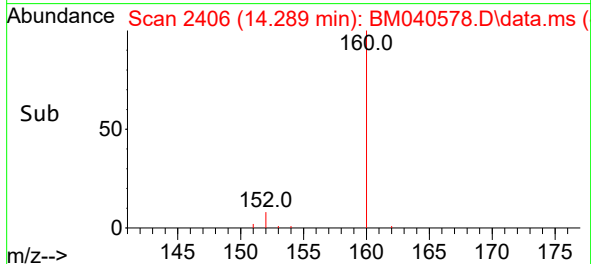
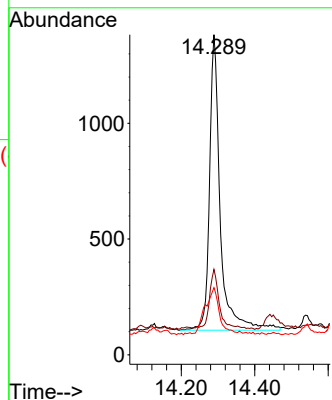
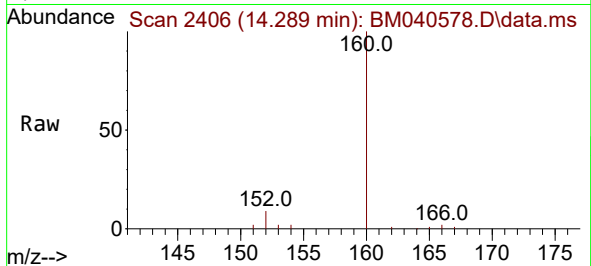




#10
Acenaphthylene
Concen: 0.067 ng/ul
RT: 14.289 min Scan# 2406
Delta R.T. -0.001 min
Lab File: BM040578.D
Acq: 03 Jul 2023 16:50

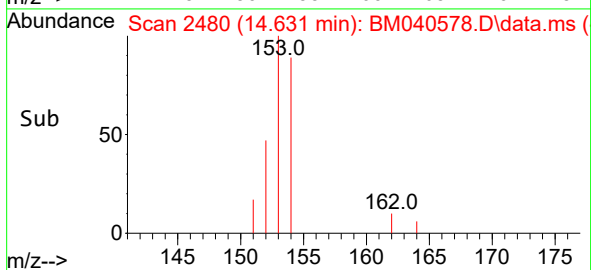
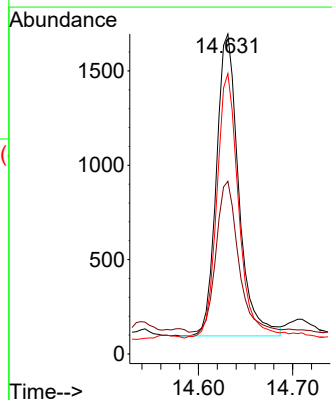
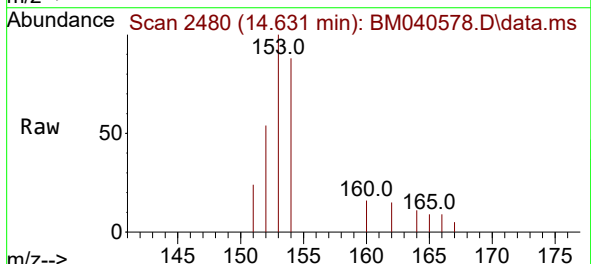
Instrument :
BNA_M
ClientSampleId :
DCGA4DL

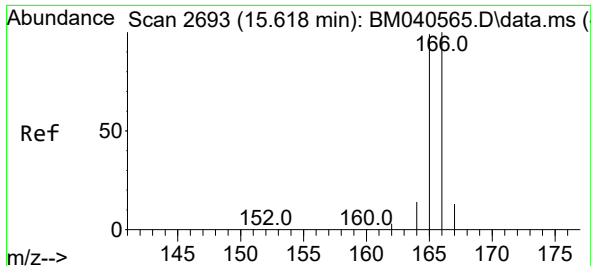
Tgt Ion:152 Resp: 2588
Ion Ratio Lower Upper
152 100
151 26.7 16.2 24.2#
153 21.0 10.9 16.3#



#11
Acenaphthene
Concen: 0.081 ng/ul
RT: 14.631 min Scan# 2480
Delta R.T. -0.001 min
Lab File: BM040578.D
Acq: 03 Jul 2023 16:50

Tgt Ion:153 Resp: 2630
Ion Ratio Lower Upper
153 100
152 54.0 41.0 61.4
154 87.6 70.8 106.2

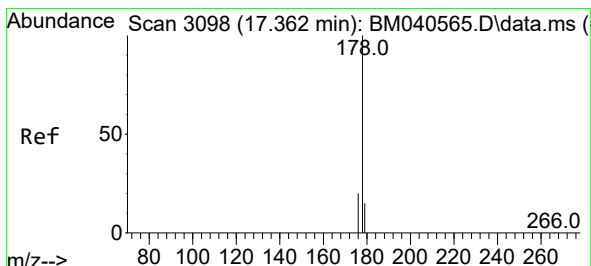
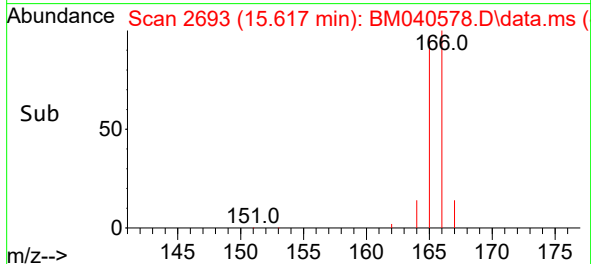
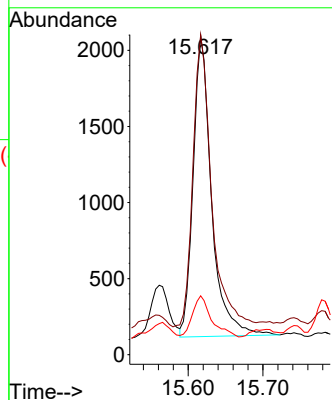
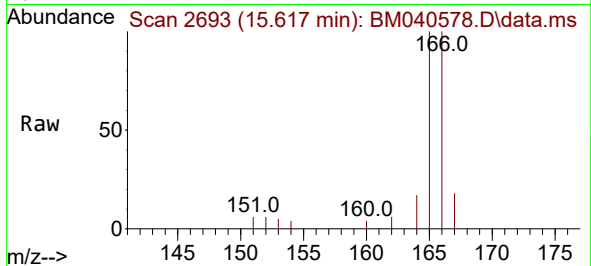




#12
Fluorene
Concen: 0.097 ng/ul
RT: 15.617 min Scan# 2097
Delta R.T. -0.001 min
Lab File: BM040578.D
Acq: 03 Jul 2023 16:50

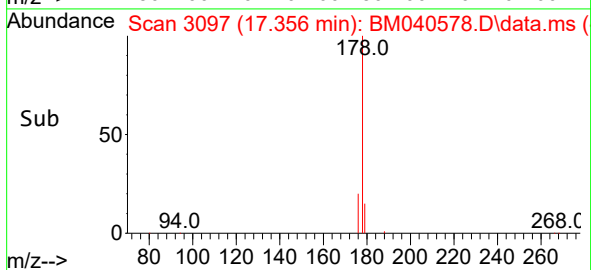
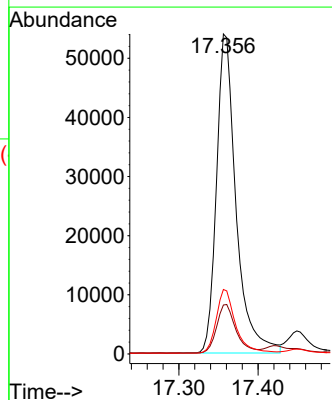
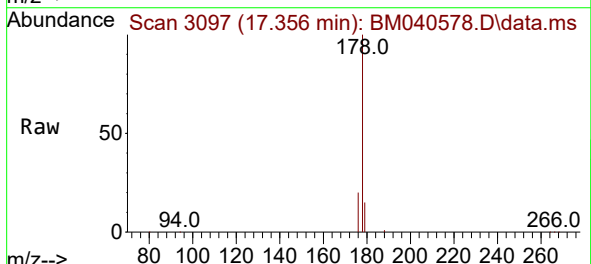
Instrument :
BNA_M
ClientSampleId :
DCGA4DL

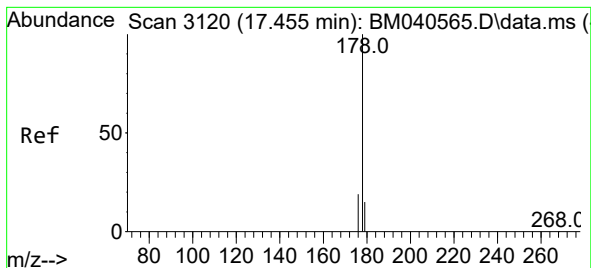
Tgt Ion:166 Resp: 3370
Ion Ratio Lower Upper
166 100
165 100.4 79.6 119.4
167 18.5 11.4 17.0#



#15
Phenanthrene
Concen: 1.875 ng/ul
RT: 17.356 min Scan# 3097
Delta R.T. -0.006 min
Lab File: BM040578.D
Acq: 03 Jul 2023 16:50

Tgt Ion:178 Resp: 92915
Ion Ratio Lower Upper
178 100
179 15.3 12.8 19.2
176 20.1 16.4 24.6





#16

Anthracene

Concen: 0.175 ng/ul

RT: 17.449 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BM040578.D

Acq: 03 Jul 2023 16:50

Instrument :

BNA_M

ClientSampleId :

DCGA4DL

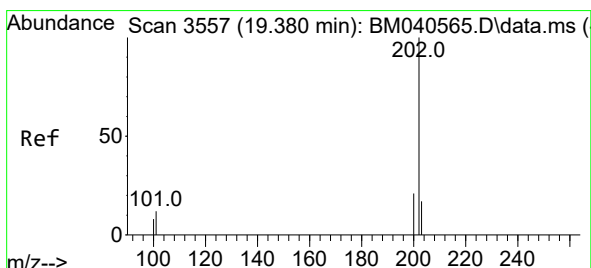
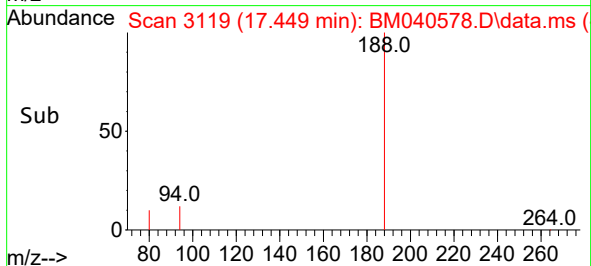
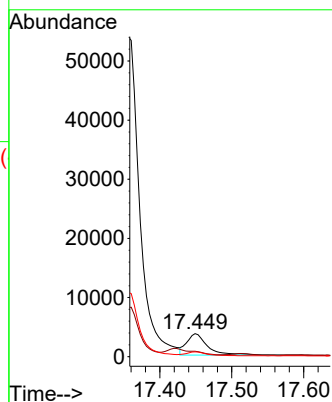
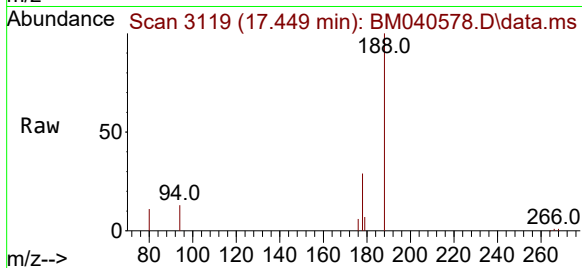
Tgt Ion:178 Resp: 7304

Ion Ratio Lower Upper

178 100

179 23.4 12.9 19.3#

176 20.9 15.8 23.6



#19

Fluoranthene

Concen: 3.676 ng/ul

RT: 19.373 min Scan# 3556

Delta R.T. -0.006 min

Lab File: BM040578.D

Acq: 03 Jul 2023 16:50

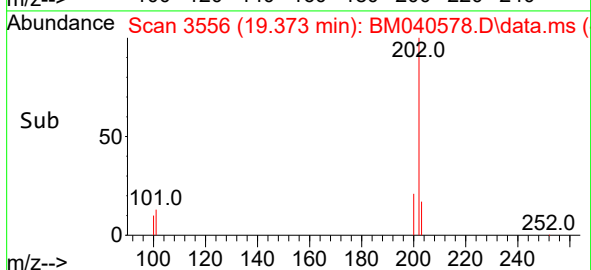
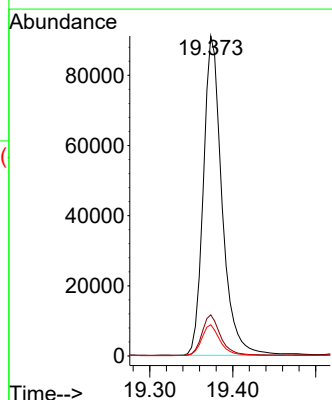
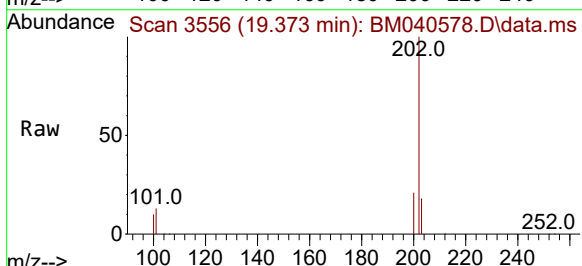
Tgt Ion:202 Resp: 142665

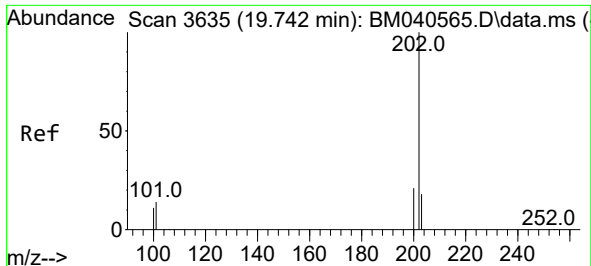
Ion Ratio Lower Upper

202 100

101 12.9 11.4 17.0

100 9.7 8.7 13.1

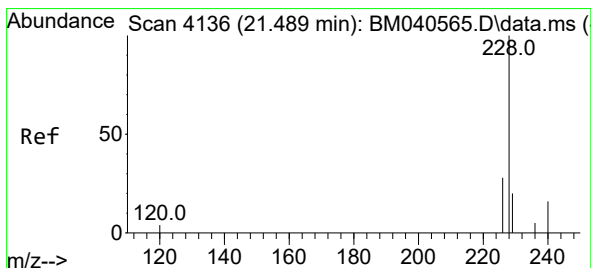
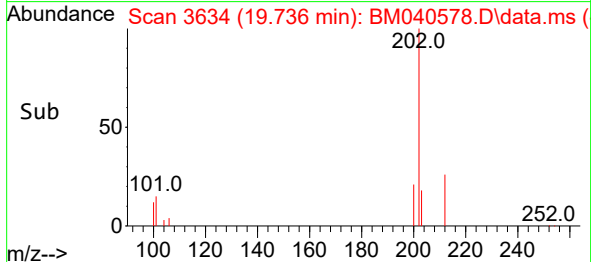
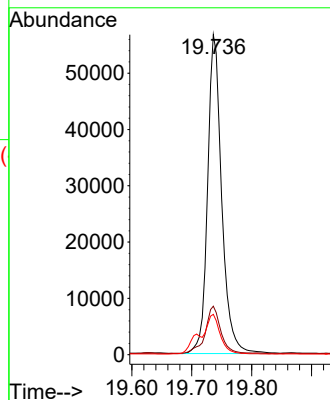
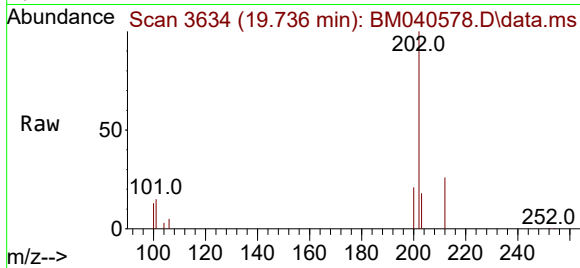




#20
Pyrene
Concen: 2.231 ng/ul
RT: 19.736 min Scan# 3634
Delta R.T. -0.006 min
Lab File: BM040578.D
Acq: 03 Jul 2023 16:50

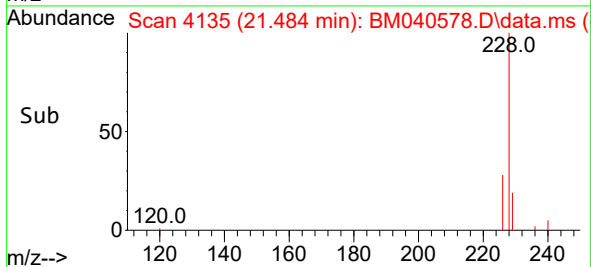
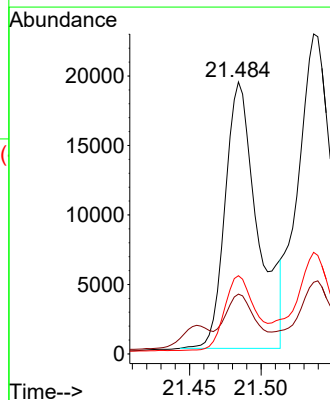
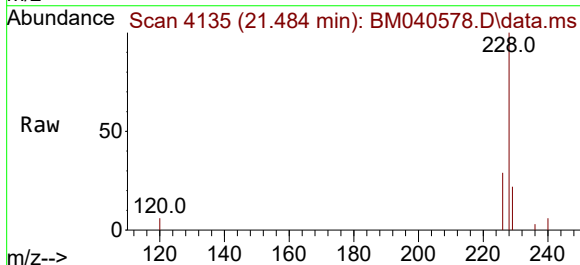
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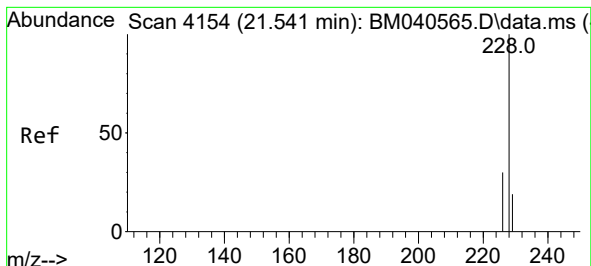
Tgt Ion:202 Resp: 92852
Ion Ratio Lower Upper
202 100
101 15.2 12.6 18.8
100 12.6 9.8 14.6



#21
Benzo(a)anthracene
Concen: 0.974 ng/ul
RT: 21.484 min Scan# 4135
Delta R.T. -0.004 min
Lab File: BM040578.D
Acq: 03 Jul 2023 16:50

Tgt Ion:228 Resp: 30099
Ion Ratio Lower Upper
228 100
229 22.0 16.0 24.0
226 28.8 22.3 33.5





#22

Chrysene

Concen: 1.080 ng/ul

RT: 21.537 min Scan# 4153

Delta R.T. -0.004 min

Lab File: BM040578.D

Acq: 03 Jul 2023 16:50

Instrument :

BNA_M

ClientSampleId :

DCGA4DL

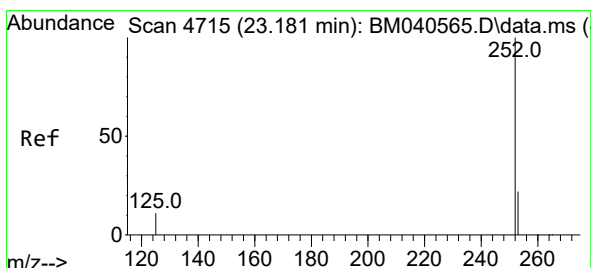
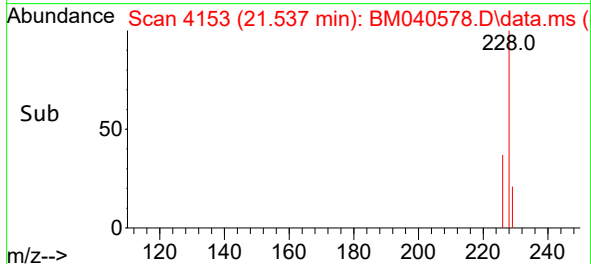
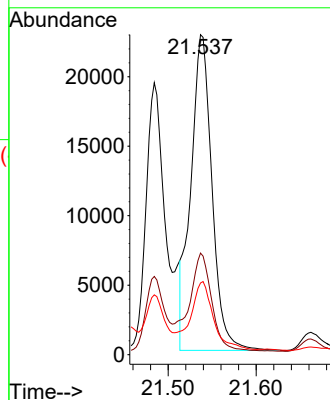
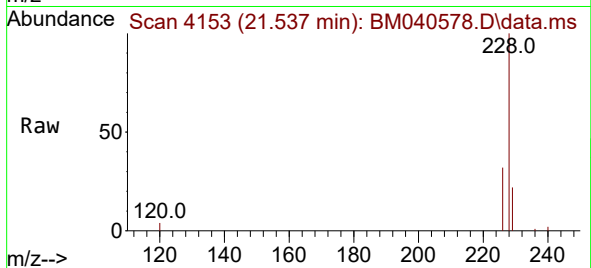
Tgt Ion:228 Resp: 38082

Ion Ratio Lower Upper

228 100

226 31.8 24.9 37.3

229 22.4 15.8 23.6



#24

Benzo(b)fluoranthene

Concen: 1.271 ng/ul

RT: 23.179 min Scan# 4715

Delta R.T. -0.001 min

Lab File: BM040578.D

Acq: 03 Jul 2023 16:50

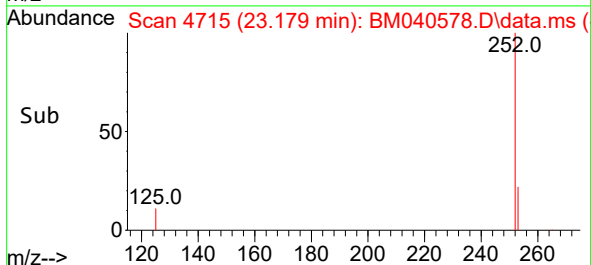
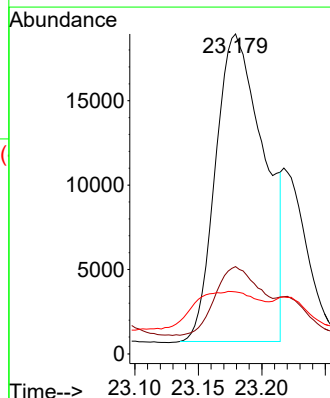
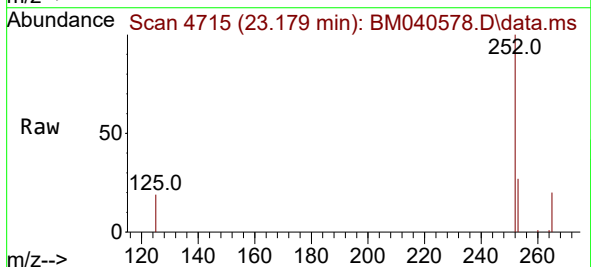
Tgt Ion:252 Resp: 48237

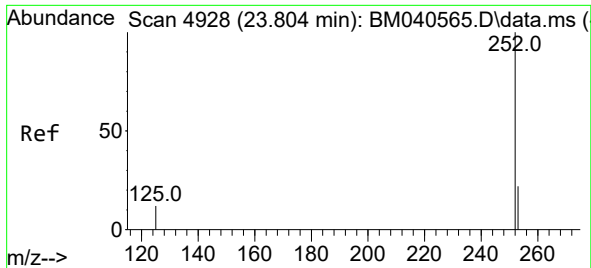
Ion Ratio Lower Upper

252 100

253 27.3 0.0 52.8

125 19.4 0.0 43.0

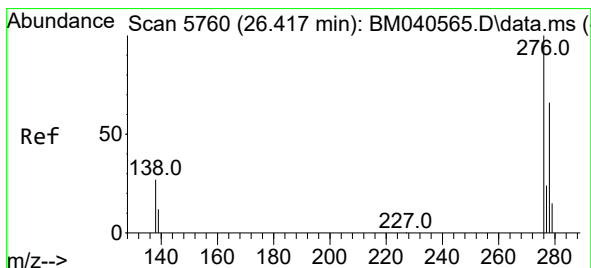
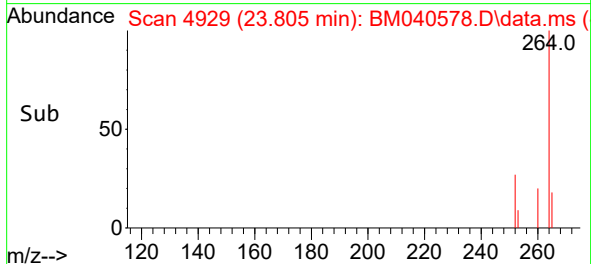
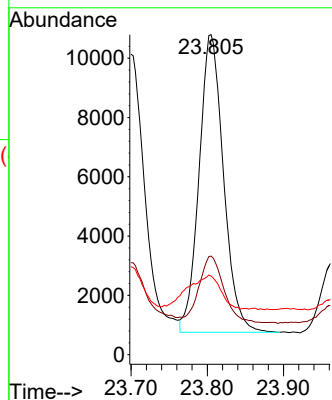
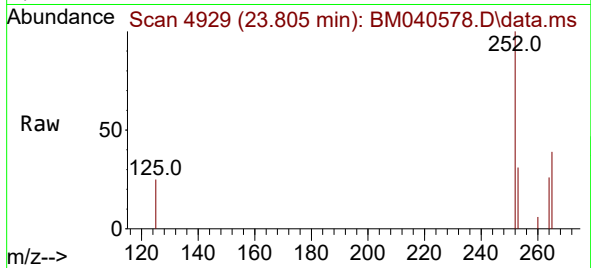




#26
Benzo(a)pyrene
Concen: 0.654 ng/ul
RT: 23.805 min Scan# 4928
Delta R.T. 0.001 min
Lab File: BM040578.D
Acq: 03 Jul 2023 16:50

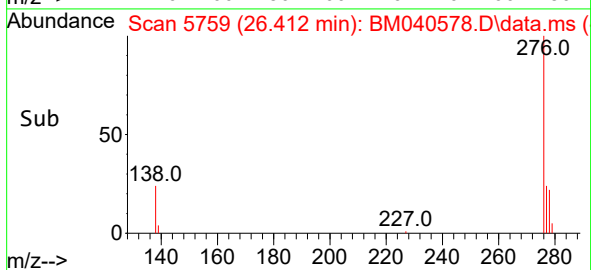
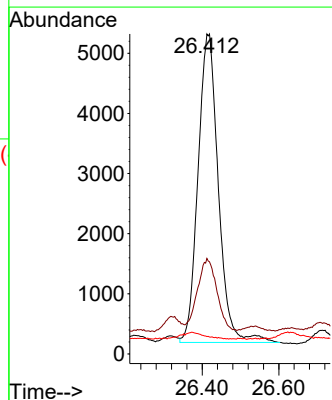
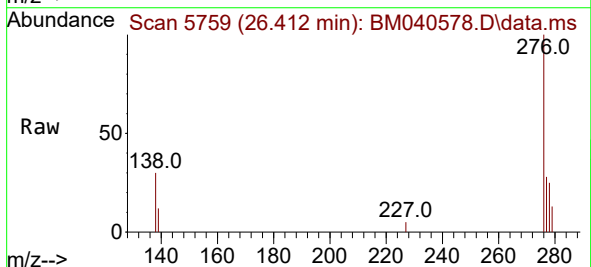
Instrument :
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DCGA4DL

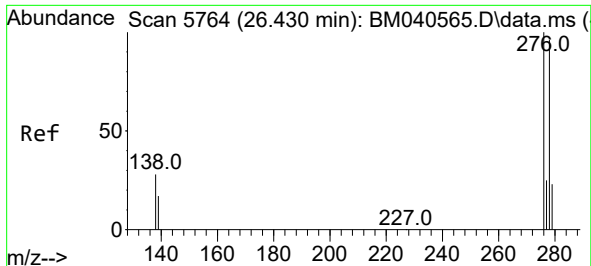
Tgt Ion:252 Resp: 22346
Ion Ratio Lower Upper
252 100
253 30.8 22.9 34.3
125 24.6 21.0 31.4



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.398 ng/ul
RT: 26.412 min Scan# 5759
Delta R.T. -0.005 min
Lab File: BM040578.D
Acq: 03 Jul 2023 16:50

Tgt Ion:276 Resp: 18953
Ion Ratio Lower Upper
276 100
138 22.7 24.5 36.7#
227 0.0 0.1 0.1#

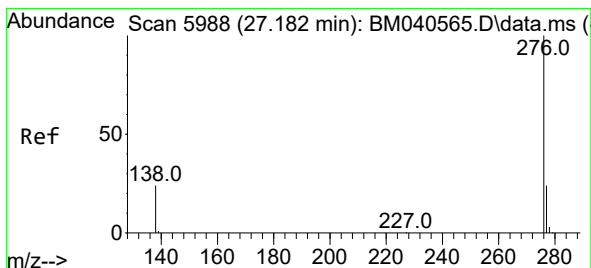
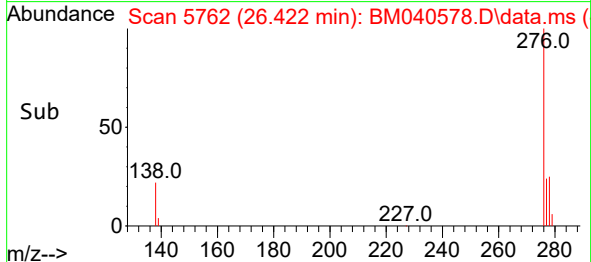
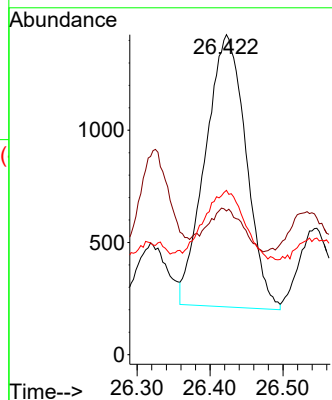
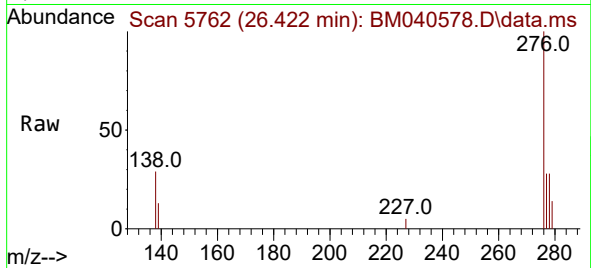




#28
 Dibenzo(a,h)anthracene
 Concen: 0.126 ng/ul
 RT: 26.422 min Scan# 51
 Delta R.T. -0.008 min
 Lab File: BM040578.D
 Acq: 03 Jul 2023 16:50

Instrument :
 BNA_M
 ClientSampleId :
 DCGA4DL

Tgt Ion:278 Resp: 4693
 Ion Ratio Lower Upper
 278 100
 139 44.9 17.9 26.9#
 279 51.3 22.0 33.0#



#29
 Benzo(g,h,i)perylene
 Concen: 0.401 ng/ul
 RT: 27.184 min Scan# 5989
 Delta R.T. 0.002 min
 Lab File: BM040578.D
 Acq: 03 Jul 2023 16:50

Tgt Ion:276 Resp: 16725
 Ion Ratio Lower Upper
 276 100
 138 33.0 23.0 34.6
 277 27.6 20.3 30.5

