

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070323\
 Data File : BM040568.D
 Acq On : 03 Jul 2023 10:35
 Operator : MA/JU
 Sample : 03245-18
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCGH6

Quant Time: Jul 03 13:35:53 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

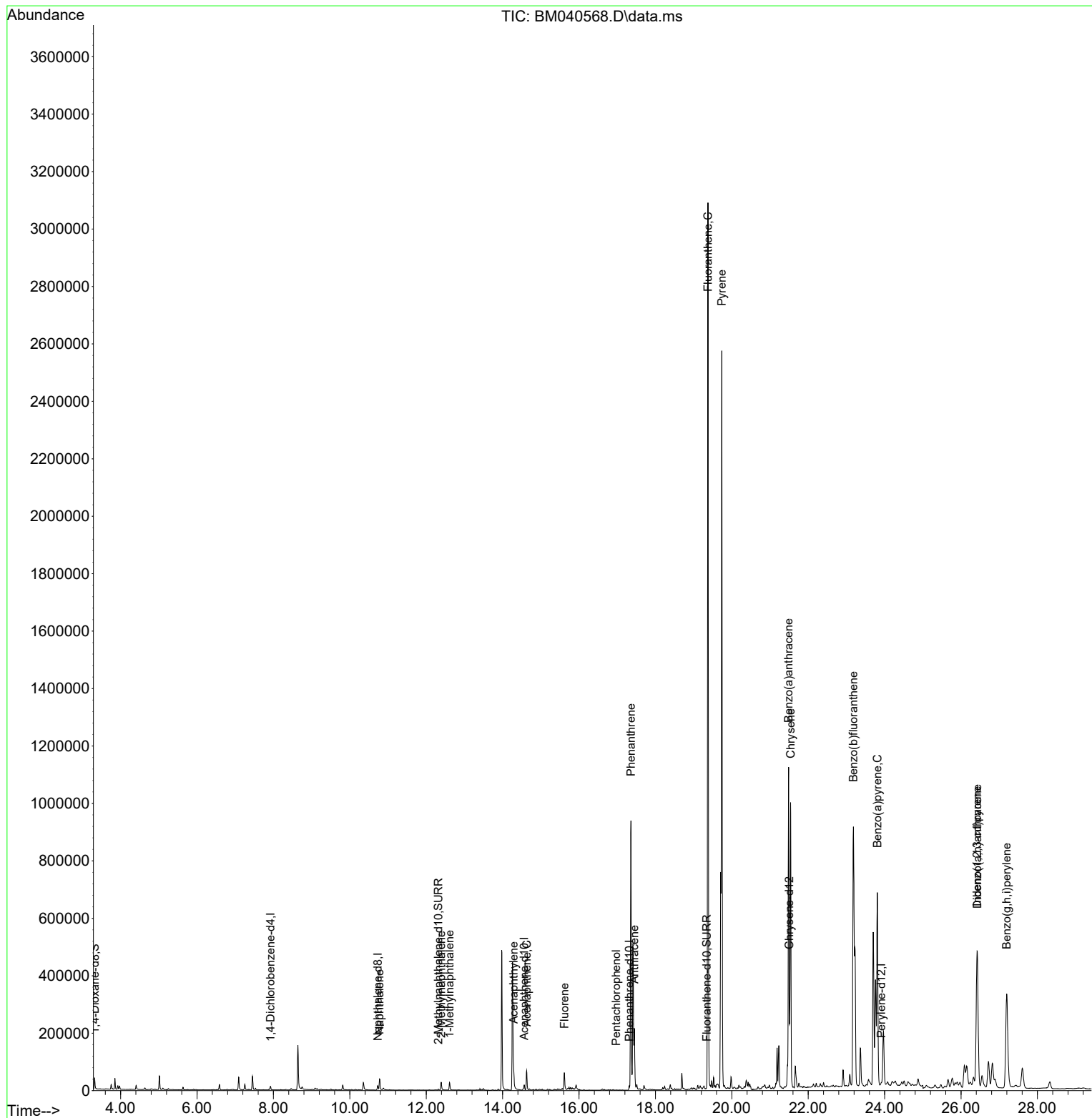
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.923	152	6513	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.728	136	20700	0.400	ng/ul	#-0.02
9) Acenaphthene-d10	14.563	164	10154	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.315	188	18529	0.400	ng/ul	-0.01
17) Chrysene-d12	21.500	240	14303	0.400	ng/ul	# 0.00
23) Perylene-d12	23.914	264	16822	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.320	96	22746	2.223	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.318	152	4830	0.166	ng/ul	-0.02
18) Fluoranthene-d10	19.342	212	7014	0.153	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.778	128	57110	1.000	ng/ul	100
7) 2-Methylnaphthalene	12.395	142	22951	0.684	ng/ul	99
8) 1-Methylnaphthalene	12.609	142	19042	0.568	ng/ul	99
10) Acenaphthylene	14.290	152	77665	1.712	ng/ul	99
11) Acenaphthene	14.628	153	40111	1.047	ng/ul	98
12) Fluorene	15.618	166	40527	0.991	ng/ul	98
14) Pentachlorophenol	16.973	266	125	0.035	ng/ul#	82
15) Phenanthrene	17.357	178	1050958	18.260	ng/ul	98
16) Anthracene	17.446	178	231763	4.792	ng/ul	99
19) Fluoranthene	19.375	202	2619641	43.117	ng/ul#	94
20) Pyrene	19.737	202	2094075	32.149	ng/ul	96
21) Benzo(a)anthracene	21.485	228	1024340	21.173	ng/ul	98
22) Chrysene	21.538	228	1014105	18.376	ng/ul	97
24) Benzo(b)fluoranthene	23.181	252	1663029	25.545	ng/ul	87
26) Benzo(a)pyrene	23.809	252	1028861	17.545	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	26.420	276	903297	11.060	ng/ul#	85
28) Dibenzo(a,h)anthracene	26.427	278	213601	3.340	ng/ul	94
29) Benzo(g,h,i)perylene	27.195	276	834796	11.662	ng/ul#	93

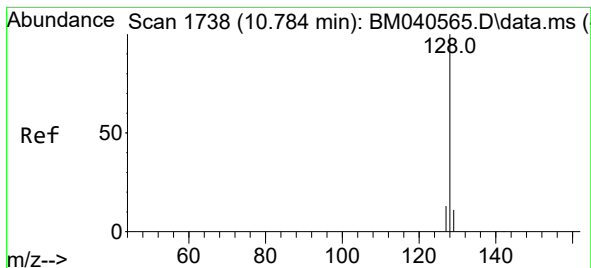
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 1.000 ng/ul

RT: 10.778 min Scan# 1

Delta R.T. -0.017 min

Lab File: BM040568.D

Acq: 03 Jul 2023 10:35

Instrument :

BNA_M

ClientSampleId :

DCGH6

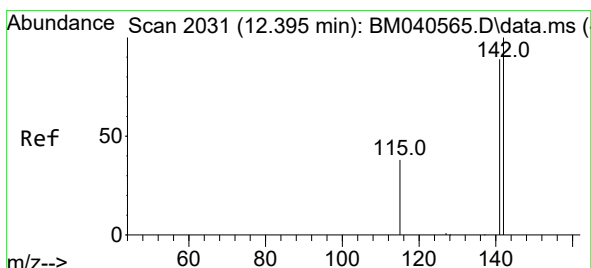
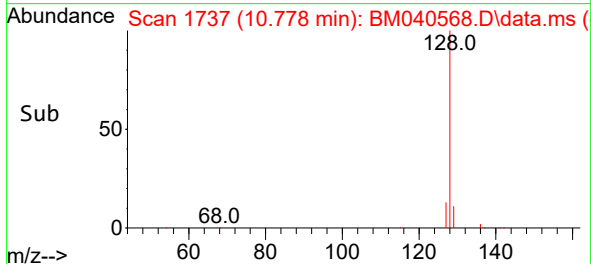
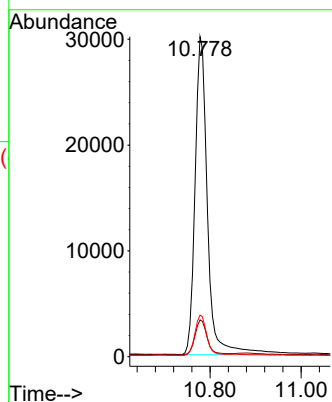
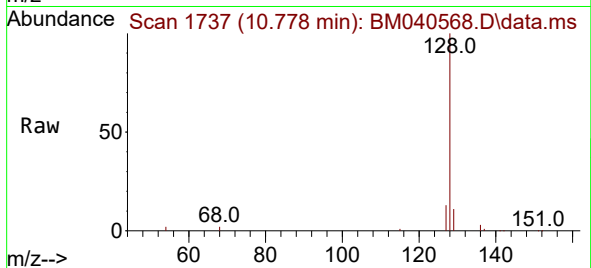
Tgt Ion:128 Resp: 57110

Ion Ratio Lower Upper

128 100

129 11.5 9.2 13.8

127 13.0 10.6 15.8



#7

2-Methylnaphthalene

Concen: 0.684 ng/ul

RT: 12.395 min Scan# 2031

Delta R.T. -0.011 min

Lab File: BM040568.D

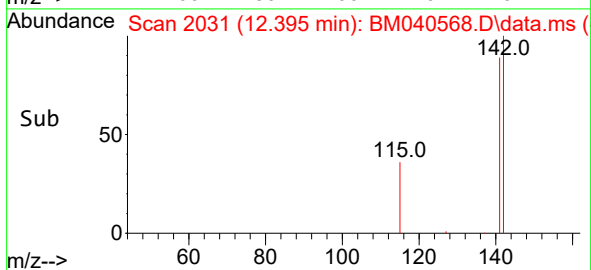
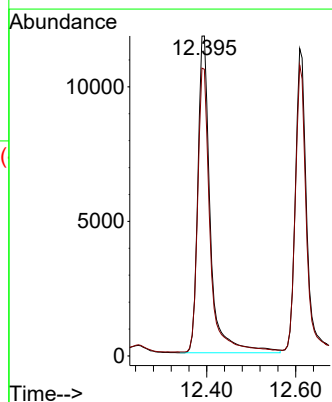
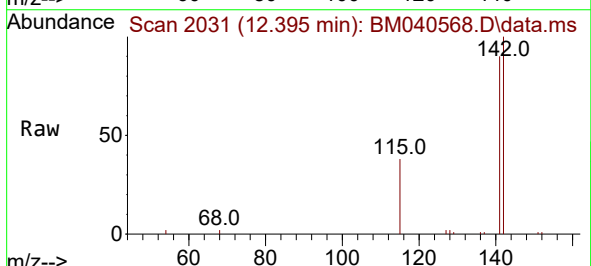
Acq: 03 Jul 2023 10:35

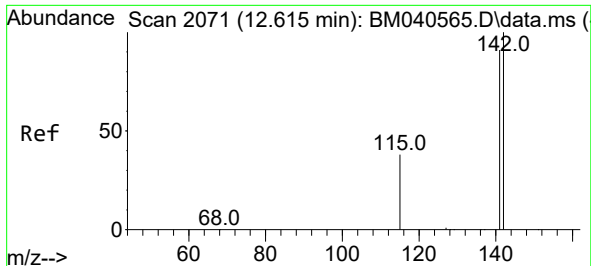
Tgt Ion:142 Resp: 22951

Ion Ratio Lower Upper

142 100

141 88.7 71.9 107.9

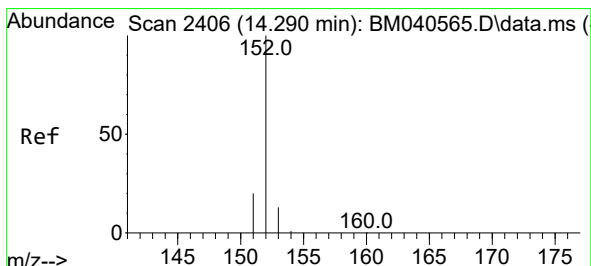
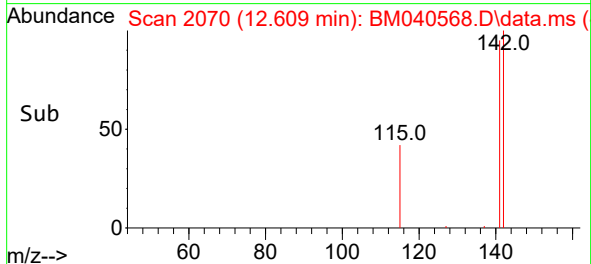
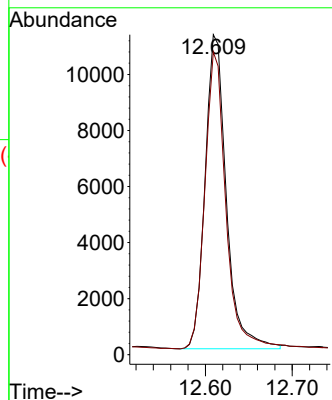
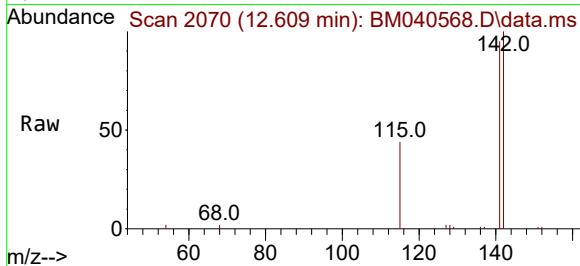




#8
1-Methylnaphthalene
Concen: 0.568 ng/ul
RT: 12.609 min Scan# 2071
Delta R.T. -0.017 min
Lab File: BM040568.D
Acq: 03 Jul 2023 10:35

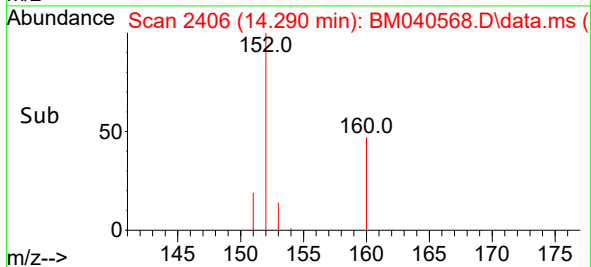
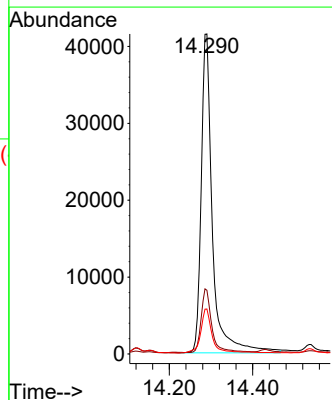
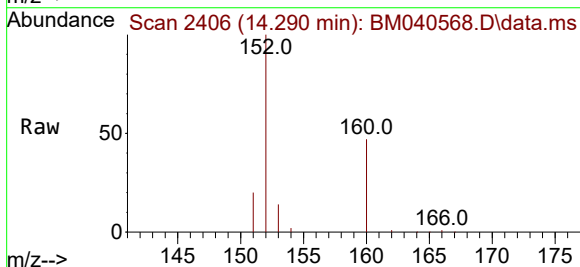
Instrument :
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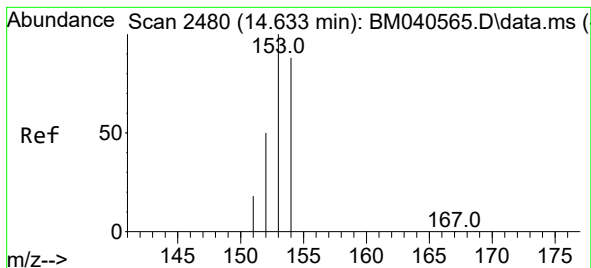
Tgt Ion:142 Resp: 19042
Ion Ratio Lower Upper
142 100
141 93.3 73.7 110.5



#10
Acenaphthylene
Concen: 1.712 ng/ul
RT: 14.290 min Scan# 2406
Delta R.T. -0.009 min
Lab File: BM040568.D
Acq: 03 Jul 2023 10:35

Tgt Ion:152 Resp: 77665
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.2
153 14.0 10.9 16.3





#11

Acenaphthene

Concen: 1.047 ng/ul

RT: 14.628 min Scan# 2480

Delta R.T. -0.014 min

Lab File: BM040568.D

Acq: 03 Jul 2023 10:35

Instrument :

BNA_M

ClientSampleId :

DCGH6

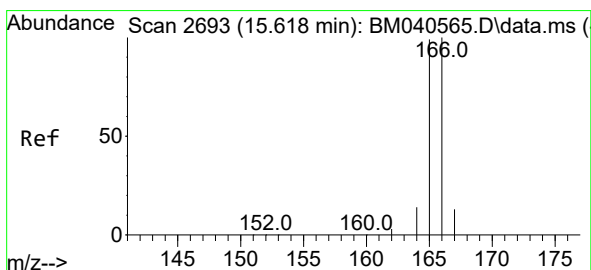
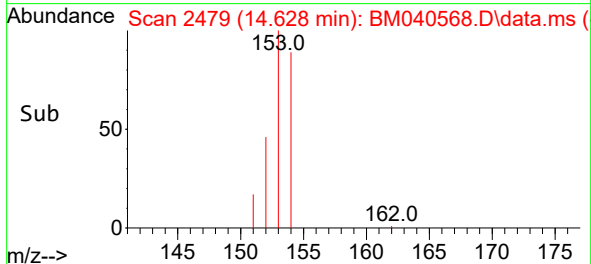
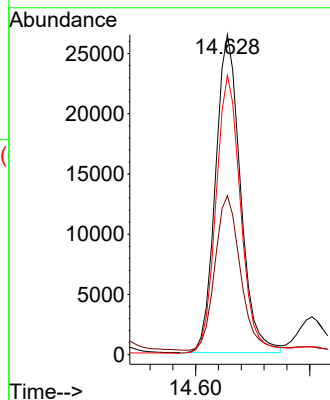
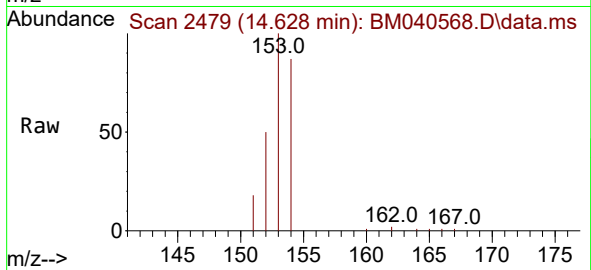
Tgt Ion:153 Resp: 40111

Ion Ratio Lower Upper

153 100

152 49.7 41.0 61.4

154 87.3 70.8 106.2



#12

Fluorene

Concen: 0.991 ng/ul

RT: 15.618 min Scan# 2693

Delta R.T. -0.014 min

Lab File: BM040568.D

Acq: 03 Jul 2023 10:35

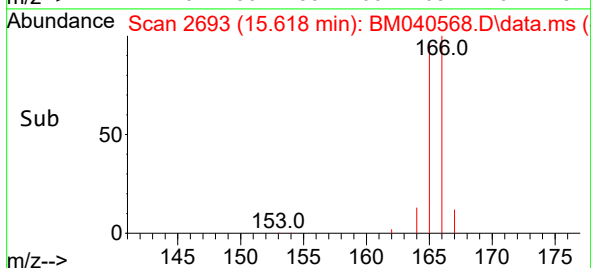
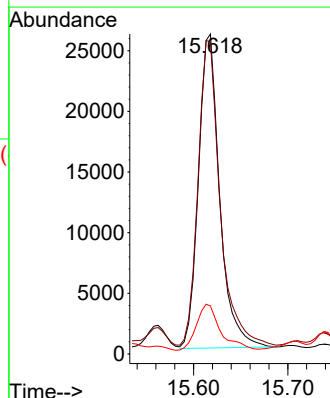
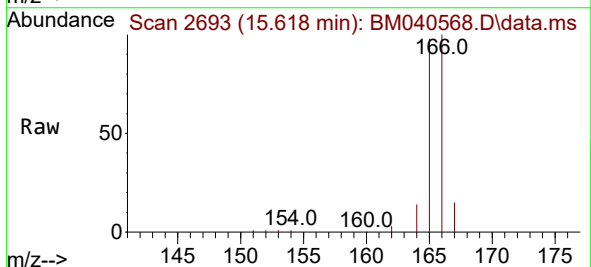
Tgt Ion:166 Resp: 40527

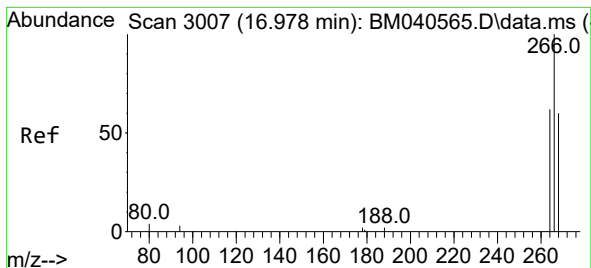
Ion Ratio Lower Upper

166 100

165 97.5 79.6 119.4

167 15.0 11.4 17.0





#14

Pentachlorophenol

Concen: 0.035 ng/ul

RT: 16.973 min Scan# 3006

Delta R.T. -0.008 min

Lab File: BM040568.D

Acq: 03 Jul 2023 10:35

Instrument :

BNA_M

ClientSampleId :

DCGH6

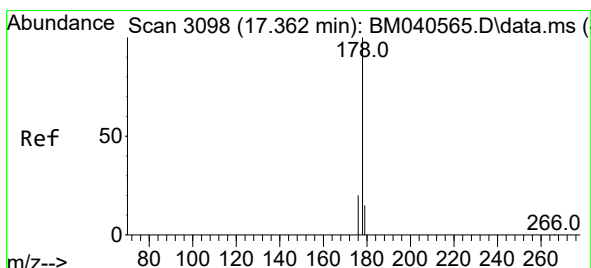
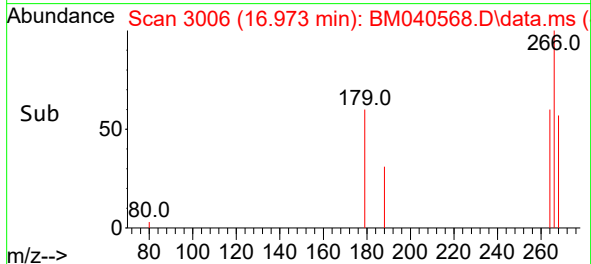
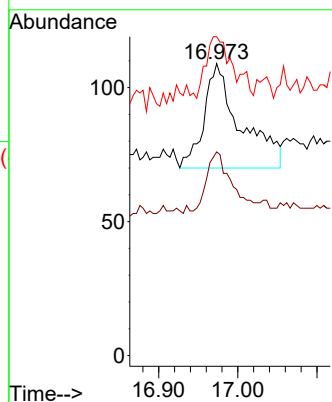
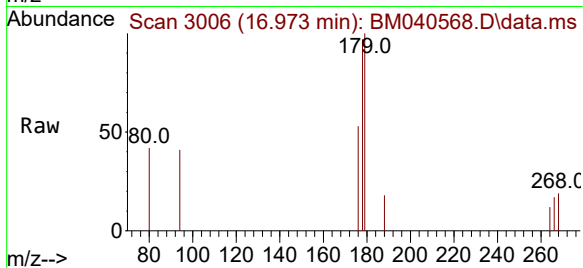
Tgt Ion:266 Resp: 125

Ion Ratio Lower Upper

266 100

264 40.0 45.4 68.0#

268 48.8 47.2 70.8



#15

Phenanthrene

Concen: 18.260 ng/ul

RT: 17.357 min Scan# 3097

Delta R.T. -0.013 min

Lab File: BM040568.D

Acq: 03 Jul 2023 10:35

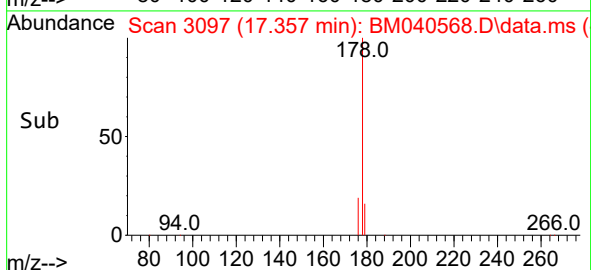
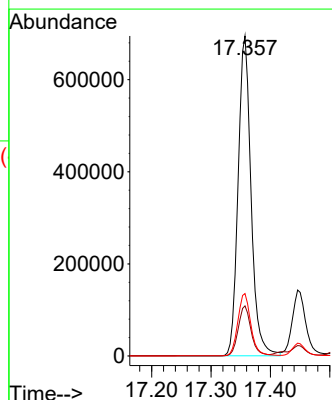
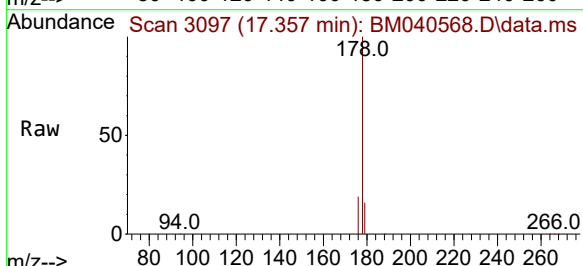
Tgt Ion:178 Resp: 1050958

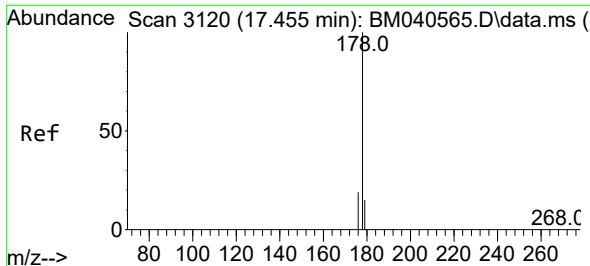
Ion Ratio Lower Upper

178 100

179 15.6 12.8 19.2

176 19.5 16.4 24.6

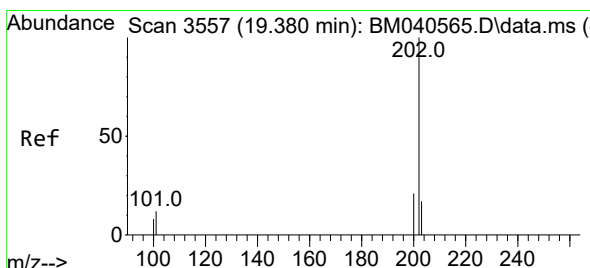
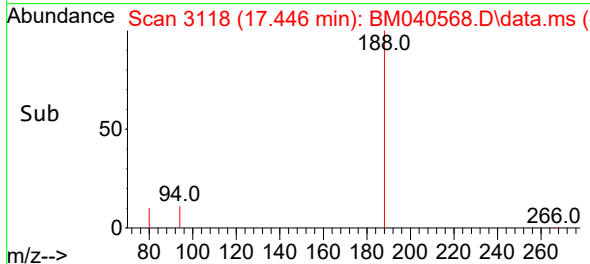
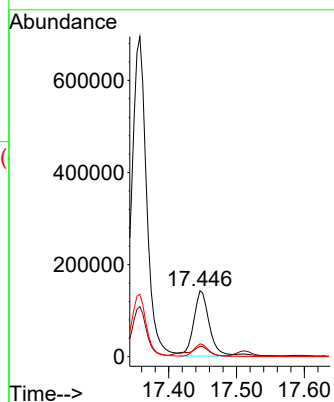
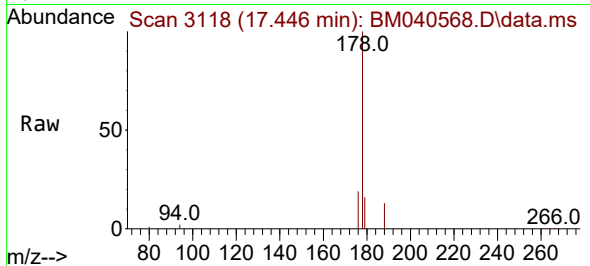




#16
 Anthracene
 Concen: 4.792 ng/ul
 RT: 17.446 min Scan# 3120
 Delta R.T. -0.017 min
 Lab File: BM040568.D
 Acq: 03 Jul 2023 10:35

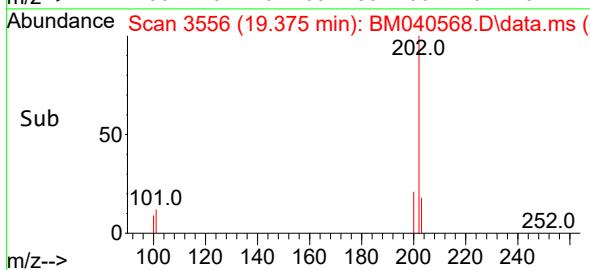
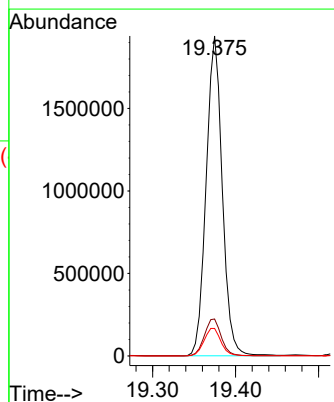
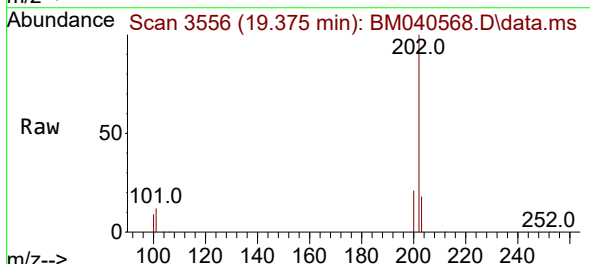
Instrument :
 BNA_M
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 DCGH6

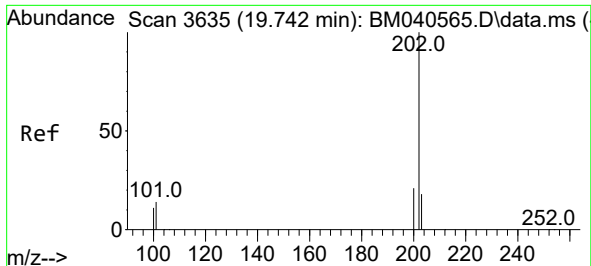
Tgt Ion:178 Resp: 231763
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.9 19.3
 176 19.4 15.8 23.6



#19
 Fluoranthene
 Concen: 43.117 ng/ul
 RT: 19.375 min Scan# 3556
 Delta R.T. -0.009 min
 Lab File: BM040568.D
 Acq: 03 Jul 2023 10:35

Tgt Ion:202 Resp: 2619641
 Ion Ratio Lower Upper
 202 100
 101 11.6 11.4 17.0
 100 8.6 8.7 13.1#

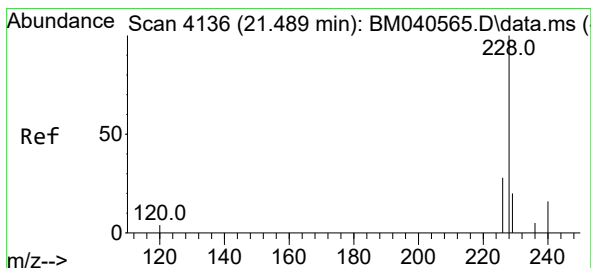
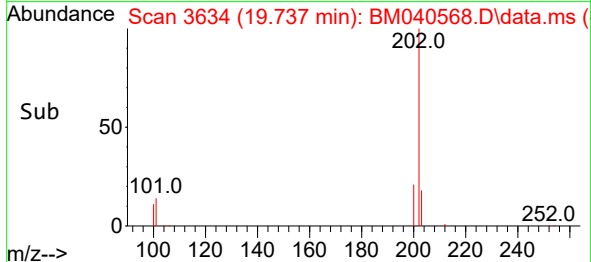
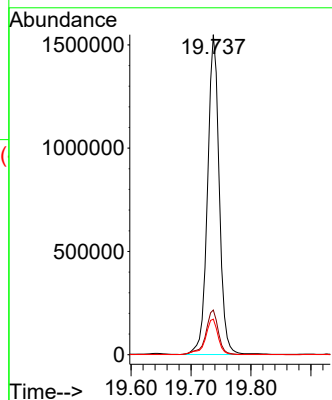
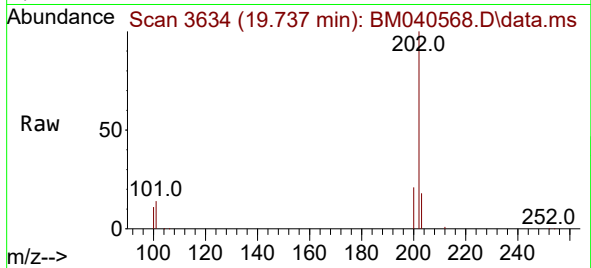




#20
Pyrene
Concen: 32.149 ng/ul
RT: 19.737 min Scan# 30
Delta R.T. -0.009 min
Lab File: BM040568.D
Acq: 03 Jul 2023 10:35

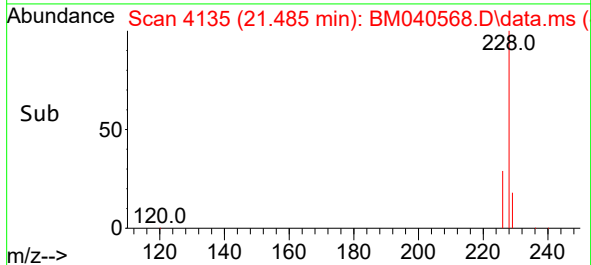
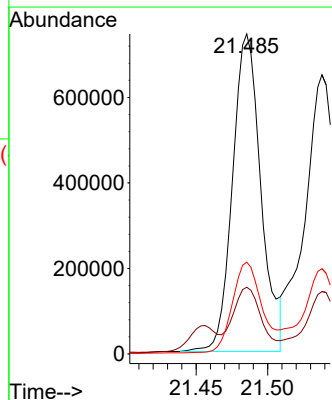
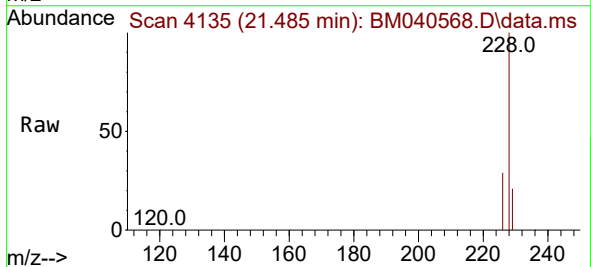
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BNA_M
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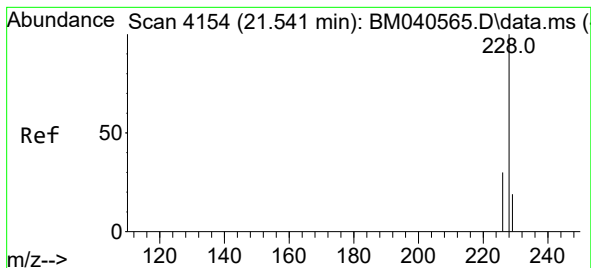
Tgt Ion:202 Resp: 2094075
Ion Ratio Lower Upper
202 100
101 13.9 12.6 18.8
100 11.1 9.8 14.6



#21
Benzo(a)anthracene
Concen: 21.173 ng/ul
RT: 21.485 min Scan# 4135
Delta R.T. -0.006 min
Lab File: BM040568.D
Acq: 03 Jul 2023 10:35

Tgt Ion:228 Resp: 1024340
Ion Ratio Lower Upper
228 100
229 20.9 16.0 24.0
226 28.7 22.3 33.5





#22

Chrysene

Concen: 18.376 ng/ul

RT: 21.538 min Scan# 4153

Delta R.T. -0.006 min

Lab File: BM040568.D

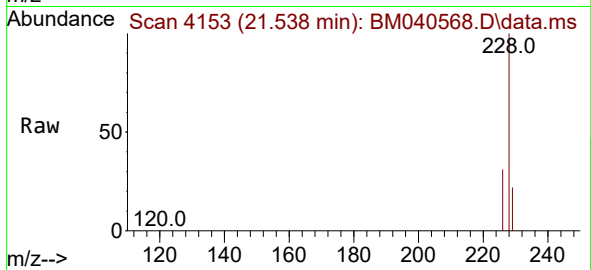
Acq: 03 Jul 2023 10:35

Instrument :

BNA_M

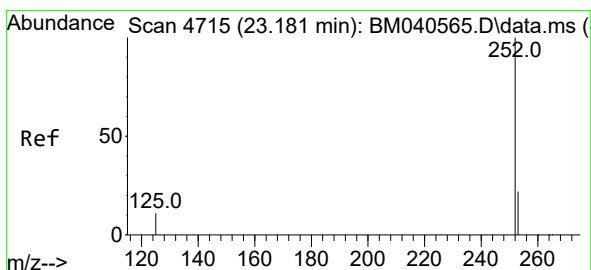
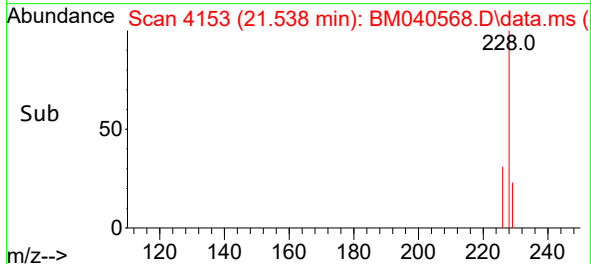
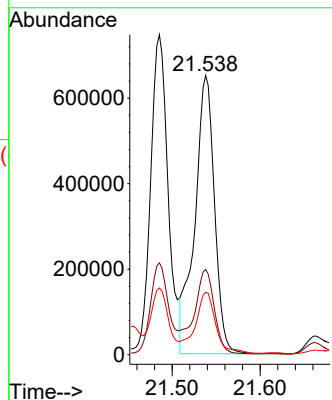
ClientSampleId :

DCGH6



Tgt Ion:228 Resp: 1014105

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	22.4	15.8	23.6



#24

Benzo(b)fluoranthene

Concen: 25.545 ng/ul

RT: 23.181 min Scan# 4715

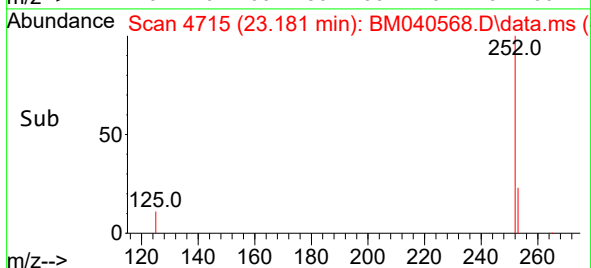
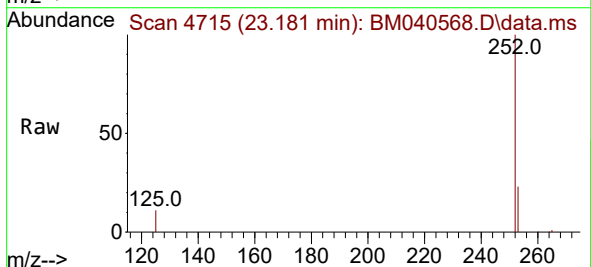
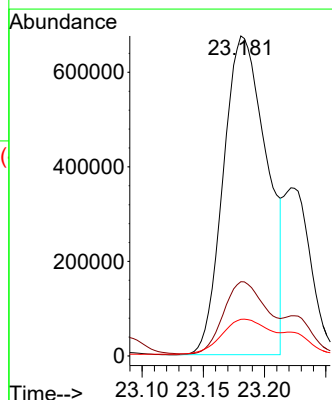
Delta R.T. -0.000 min

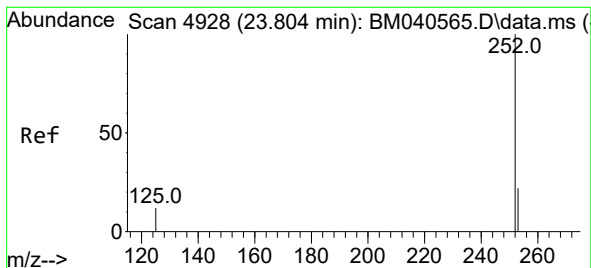
Lab File: BM040568.D

Acq: 03 Jul 2023 10:35

Tgt Ion:252 Resp: 1663029

Ion	Ratio	Lower	Upper
252	100		
253	23.2	0.0	52.8
125	11.5	0.0	43.0





#26

Benzo(a)pyrene

Concen: 17.545 ng/ul

RT: 23.809 min Scan# 4928

Delta R.T. -0.003 min

Lab File: BM040568.D

Acq: 03 Jul 2023 10:35

Instrument :

BNA_M

ClientSampleId :

DCGH6

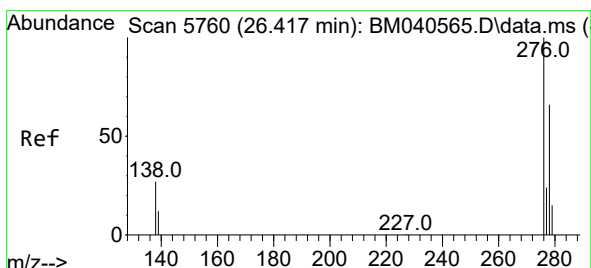
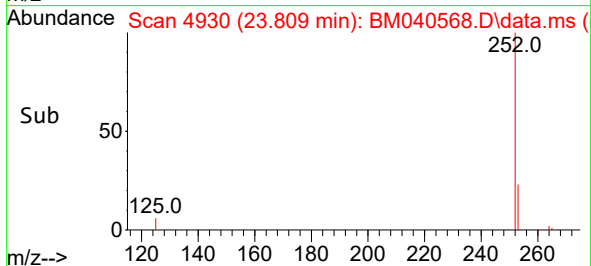
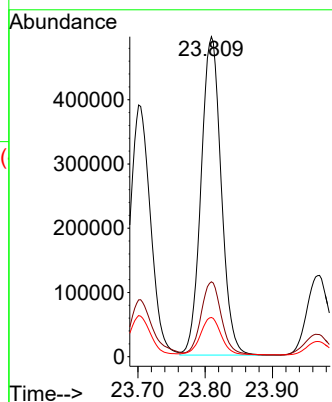
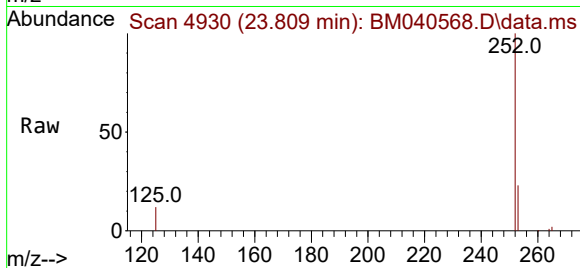
Tgt Ion:252 Resp: 1028861

Ion Ratio Lower Upper

252 100

253 23.4 22.9 34.3

125 12.3 21.0 31.4#



#27

Indeno(1,2,3-cd)pyrene

Concen: 11.060 ng/ul

RT: 26.420 min Scan# 5761

Delta R.T. -0.000 min

Lab File: BM040568.D

Acq: 03 Jul 2023 10:35

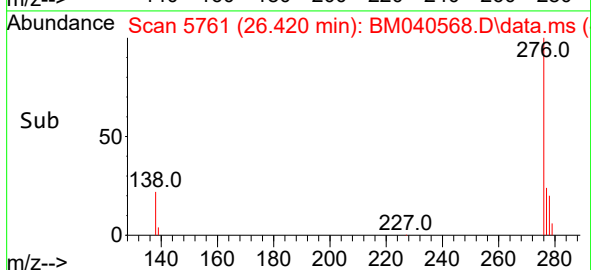
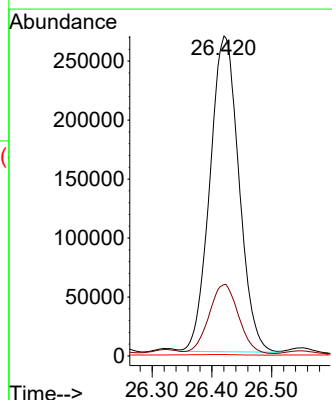
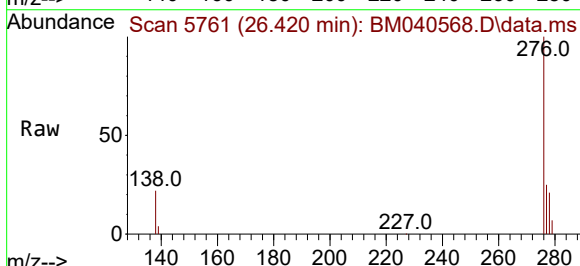
Tgt Ion:276 Resp: 903297

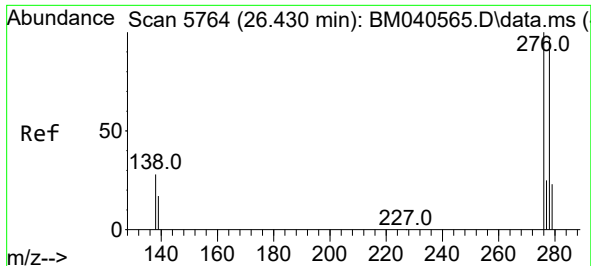
Ion Ratio Lower Upper

276 100

138 22.2 24.5 36.7#

227 0.3 0.1 0.1#

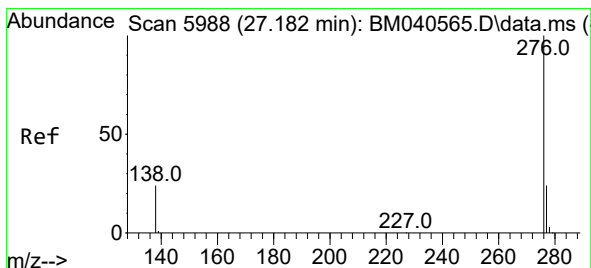
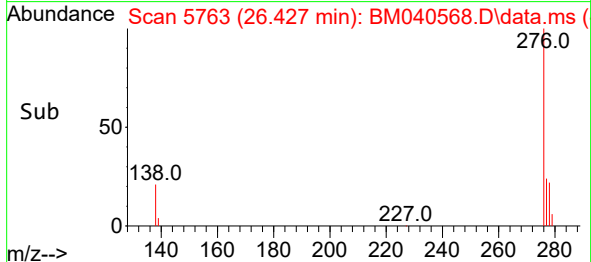
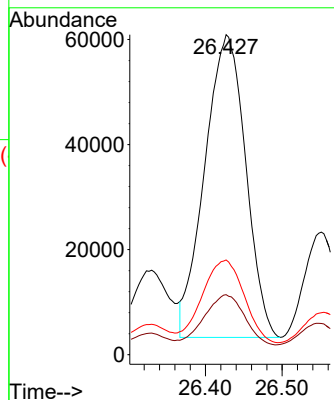
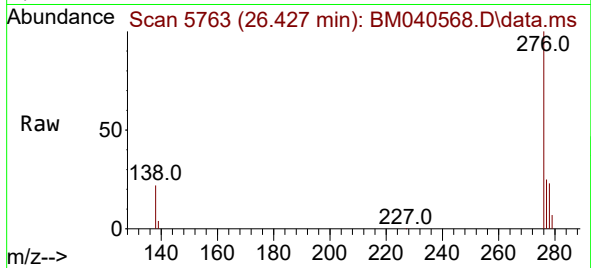




#28
Dibenzo(a,h)anthracene
Concen: 3.340 ng/ul
RT: 26.427 min Scan# 51
Delta R.T. -0.010 min
Lab File: BM040568.D
Acq: 03 Jul 2023 10:35

Instrument :
BNA_M
ClientSampleId :
DCGH6

Tgt Ion:278 Resp: 213601
Ion Ratio Lower Upper
278 100
139 18.7 17.9 26.9
279 29.6 22.0 33.0



#29
Benzo(g,h,i)perylene
Concen: 11.662 ng/ul
RT: 27.195 min Scan# 5992
Delta R.T. 0.010 min
Lab File: BM040568.D
Acq: 03 Jul 2023 10:35

Tgt Ion:276 Resp: 834796
Ion Ratio Lower Upper
276 100
138 23.0 23.0 34.6#
277 24.3 20.3 30.5

