

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
 Data File : BM041050.D
 Acq On : 22 Jul 2023 12:06
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 22 22:36:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 22 22:33:48 2023
 Response via : Initial Calibration

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

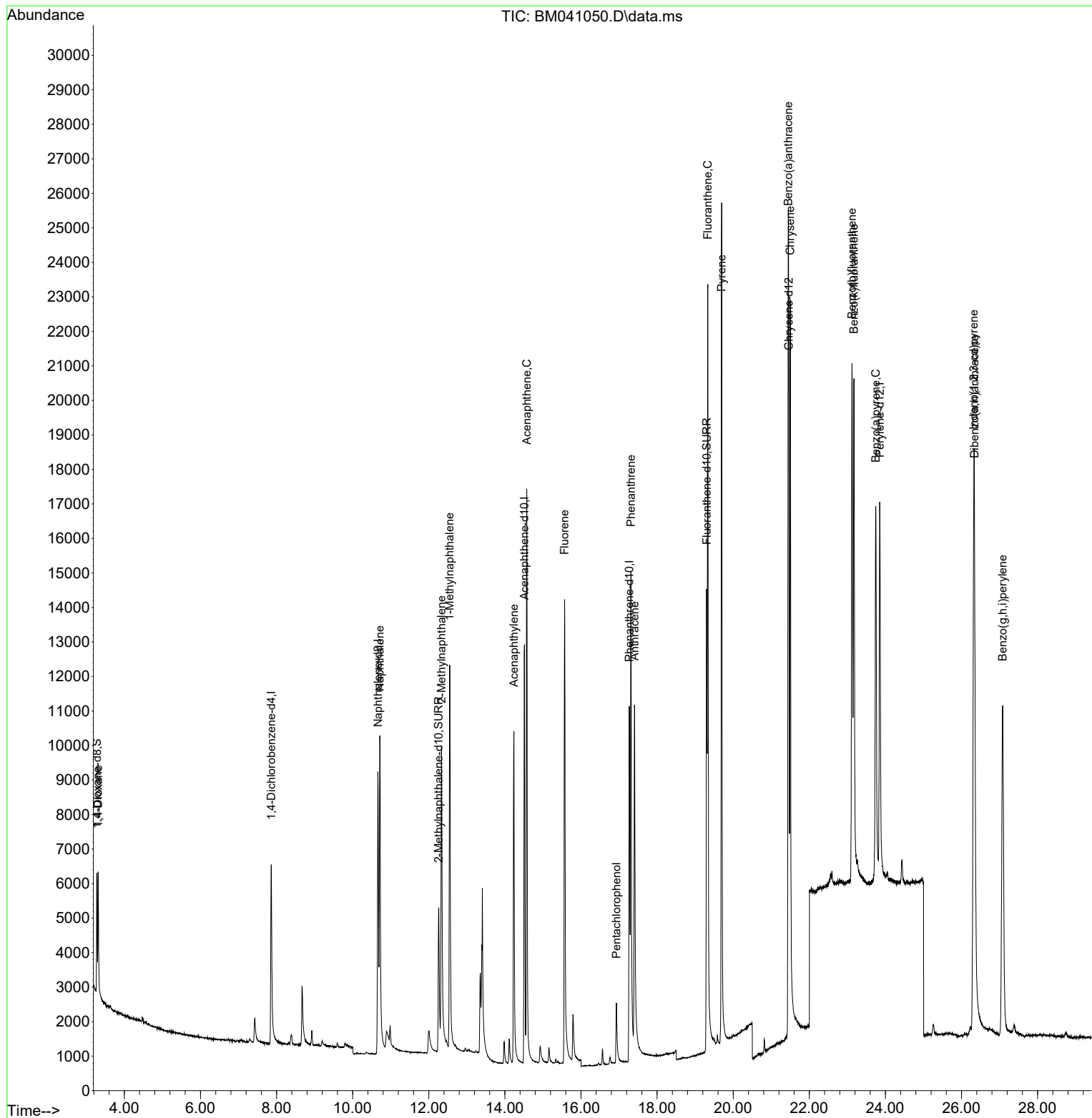
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	3864	0.400	ng/ul	0.00
4) Naphthalene-d8	10.663	136	13820	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.513	164	7544	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.269	188	14765	0.400	ng/ul	0.00
17) Chrysene-d12	21.463	240	14452	0.400	ng/ul	0.00
23) Perylene-d12	23.851	264	16001	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.279	96	2159	0.340	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.258	152	8029	0.436	ng/ul	0.00
18) Fluoranthene-d10	19.301	212	17174	0.283	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.313	88	2128	0.318	ng/ul#	88
5) Naphthalene	10.713	128	14963	0.396	ng/ul	99
7) 2-Methylnaphthalene	12.335	142	8873	0.428	ng/ul	99
8) 1-Methylnaphthalene	12.550	142	9186	0.417	ng/ul	100
10) Acenaphthylene	14.236	152	13264	0.420	ng/ul	98
11) Acenaphthene	14.573	153	10477	0.376	ng/ul	99
12) Fluorene	15.568	166	11155	0.387	ng/ul	98
14) Pentachlorophenol	16.932	266	1690	0.568	ng/ul	98
15) Phenanthrene	17.312	178	17306	0.392	ng/ul	99
16) Anthracene	17.405	178	14890	0.433	ng/ul	100
19) Fluoranthene	19.334	202	21809	0.292	ng/ul#	93
20) Pyrene	19.696	202	23229	0.305	ng/ul#	93
21) Benzo(a)anthracene	21.445	228	20079	0.456	ng/ul	99
22) Chrysene	21.501	228	20700	0.411	ng/ul	99
24) Benzo(b)fluoranthene	23.123	252	21637	0.352	ng/ul	95
25) Benzo(k)fluoranthene	23.172	252	20831	0.357	ng/ul#	94
26) Benzo(a)pyrene	23.748	252	19551	0.369	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	26.324	276	27039	0.384	ng/ul#	88
28) Dibenzo(a,h)anthracene	26.340	278	21260	0.399	ng/ul	92
29) Benzo(g,h,i)perylene	27.082	276	23398	0.360	ng/ul	94

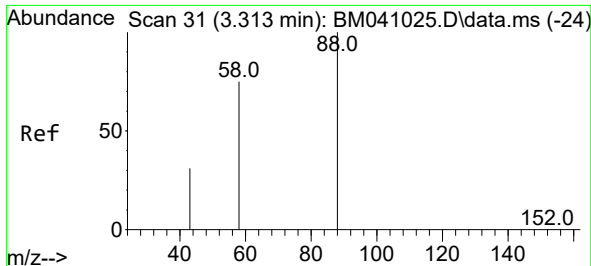
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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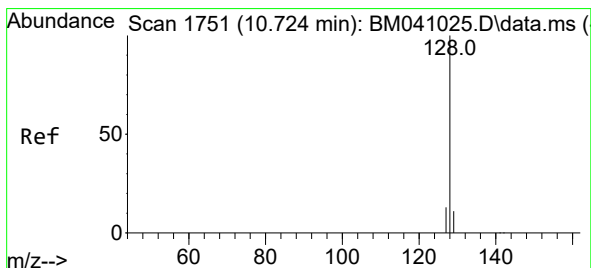
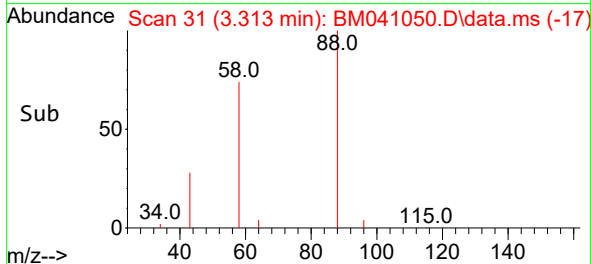
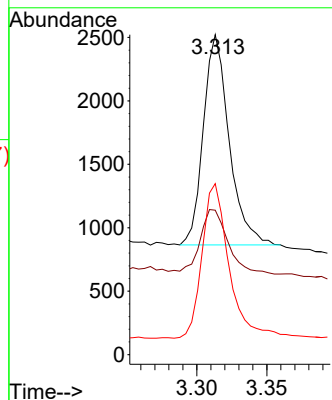
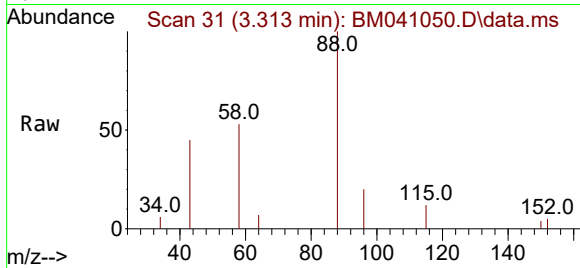




#2
1,4-Dioxane
Concen: 0.318 ng/ul
RT: 3.313 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM041050.D
Acq: 22 Jul 2023 12:06

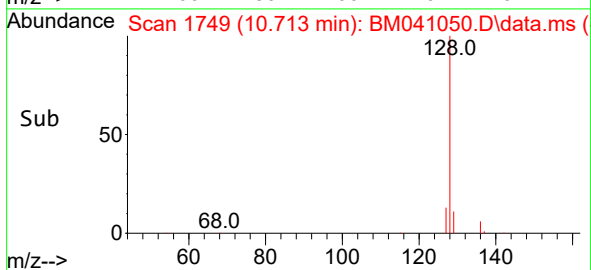
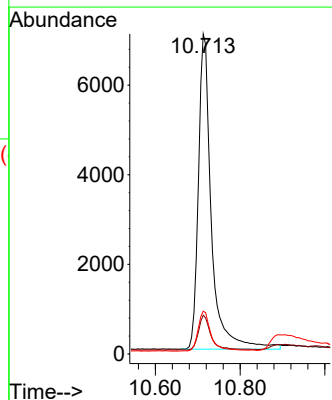
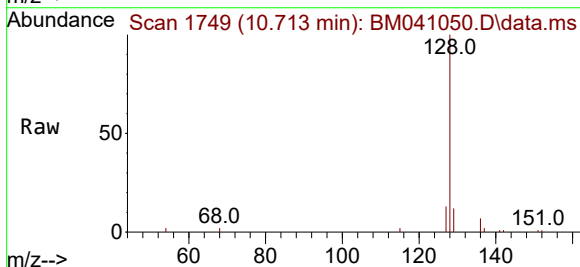
Instrument :
BNA_M
ClientSampleId :

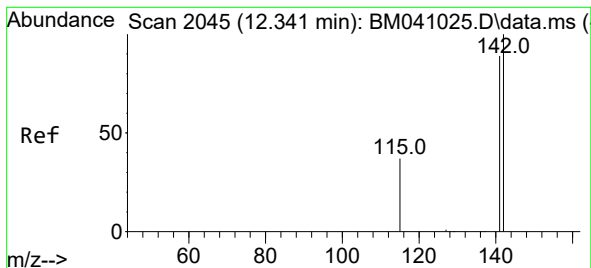
Tgt Ion: 88 Resp: 2128
Ion Ratio Lower Upper
88 100
43 45.1 46.7 70.1#
58 53.4 40.3 60.5



#5
Naphthalene
Concen: 0.396 ng/ul
RT: 10.713 min Scan# 1749
Delta R.T. -0.005 min
Lab File: BM041050.D
Acq: 22 Jul 2023 12:06

Tgt Ion: 128 Resp: 14963
Ion Ratio Lower Upper
128 100
129 12.1 9.8 14.8
127 13.3 11.0 16.4

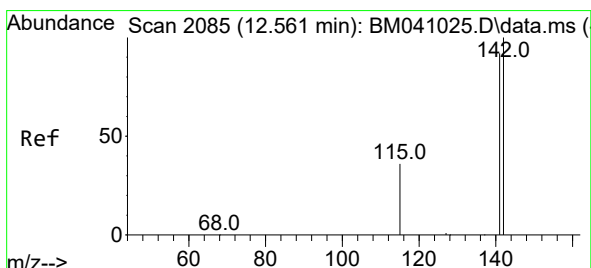
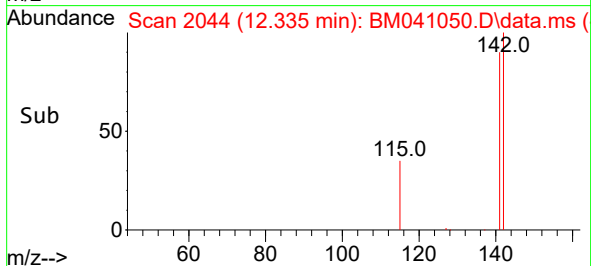
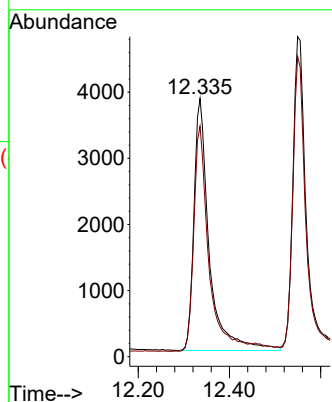
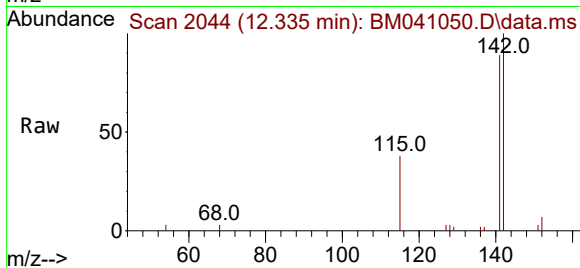




#7
2-Methylnaphthalene
Concen: 0.428 ng/ul
RT: 12.335 min Scan# 2044
Delta R.T. 0.000 min
Lab File: BM041050.D
Acq: 22 Jul 2023 12:06

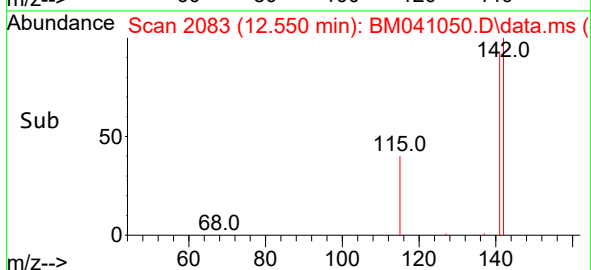
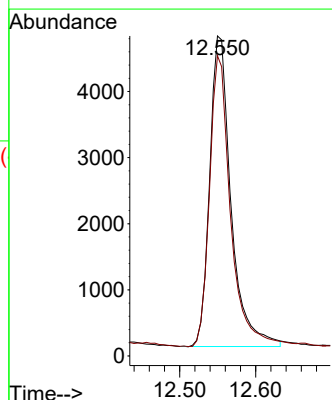
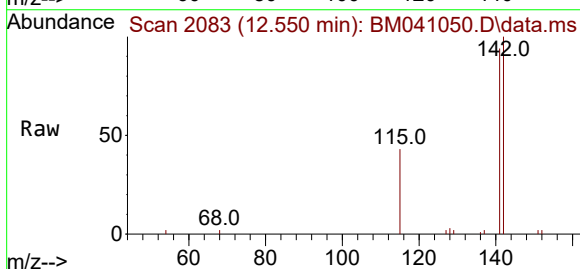
Instrument :
BNA_M
ClientSampleId :

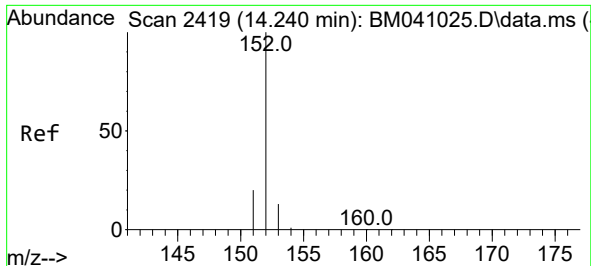
Tgt Ion:142 Resp: 8873
Ion Ratio Lower Upper
142 100
141 90.8 73.2 109.8



#8
1-Methylnaphthalene
Concen: 0.417 ng/ul
RT: 12.550 min Scan# 2083
Delta R.T. -0.005 min
Lab File: BM041050.D
Acq: 22 Jul 2023 12:06

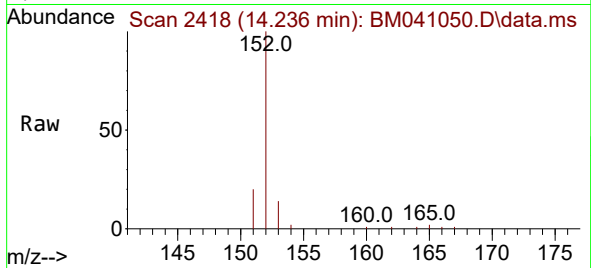
Tgt Ion:142 Resp: 9186
Ion Ratio Lower Upper
142 100
141 92.0 73.4 110.2



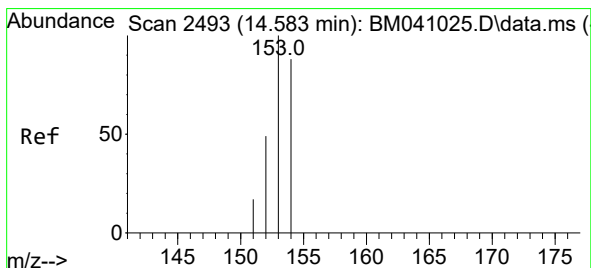
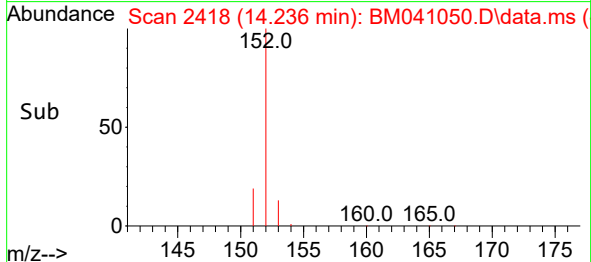
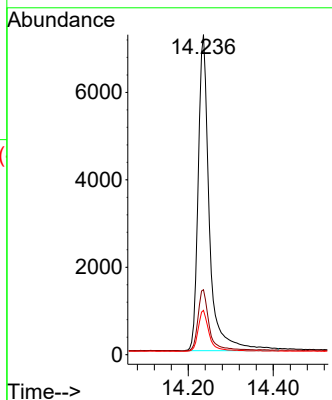


#10
Acenaphthylene
Concen: 0.420 ng/ul
RT: 14.236 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BM041050.D
Acq: 22 Jul 2023 12:06

Instrument :
BNA_M
ClientSampleId :

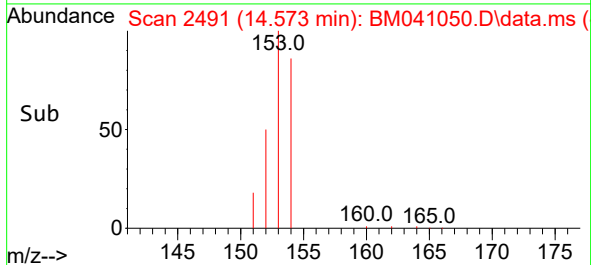
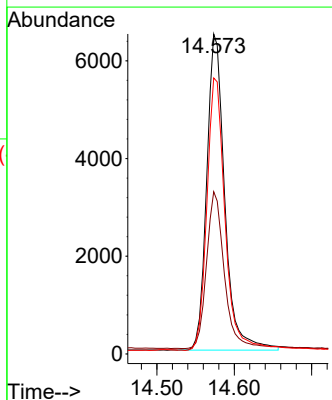
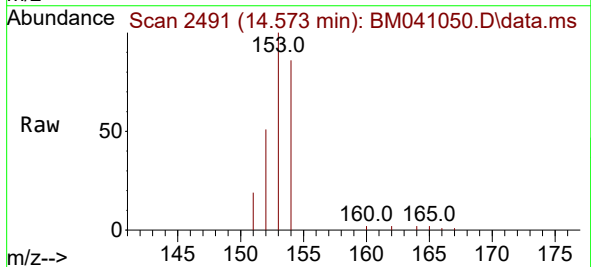


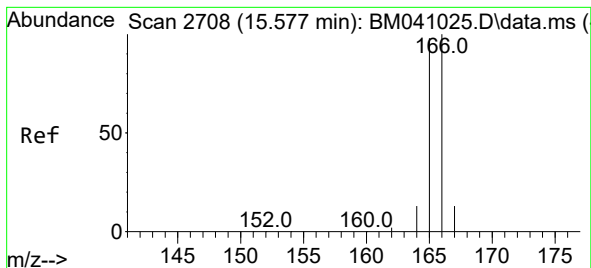
Tgt Ion:152 Resp: 13264
Ion Ratio Lower Upper
152 100
151 20.3 16.8 25.2
153 13.8 11.6 17.4



#11
Acenaphthene
Concen: 0.376 ng/ul
RT: 14.573 min Scan# 2491
Delta R.T. 0.000 min
Lab File: BM041050.D
Acq: 22 Jul 2023 12:06

Tgt Ion:153 Resp: 10477
Ion Ratio Lower Upper
153 100
152 50.7 41.0 61.6
154 86.2 68.2 102.2





#12

Fluorene

Concen: 0.387 ng/ul

RT: 15.568 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM041050.D

Acq: 22 Jul 2023 12:06

Instrument :

BNA_M

ClientSampleId :

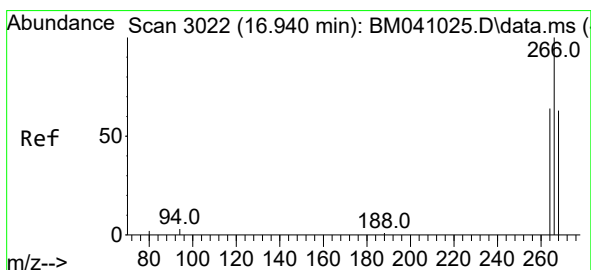
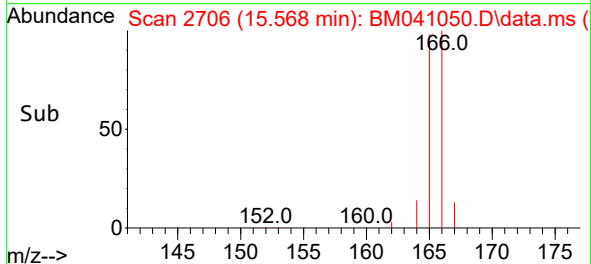
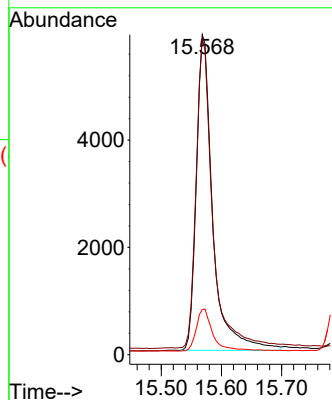
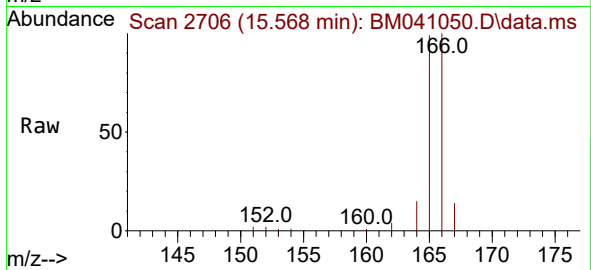
Tgt Ion:166 Resp: 11155

Ion Ratio Lower Upper

166 100

165 98.8 80.3 120.5

167 14.1 11.7 17.5



#14

Pentachlorophenol

Concen: 0.568 ng/ul

RT: 16.932 min Scan# 3020

Delta R.T. -0.004 min

Lab File: BM041050.D

Acq: 22 Jul 2023 12:06

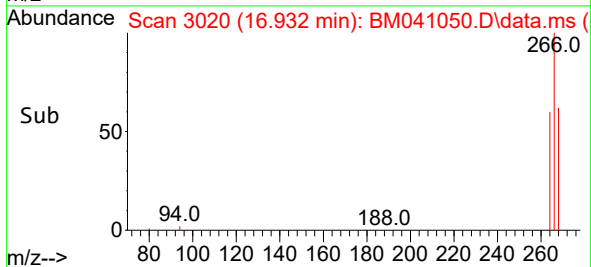
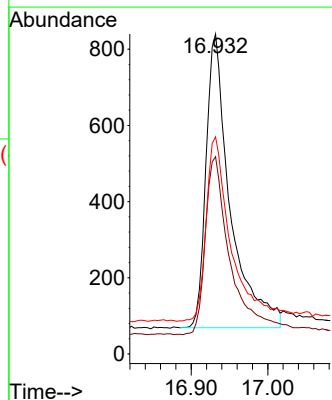
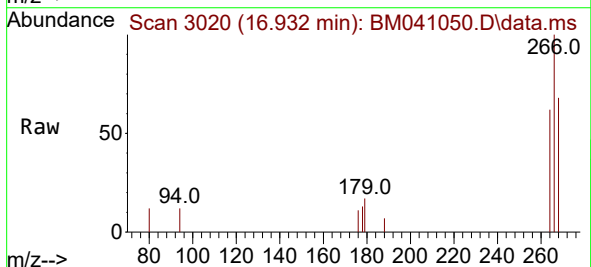
Tgt Ion:266 Resp: 1690

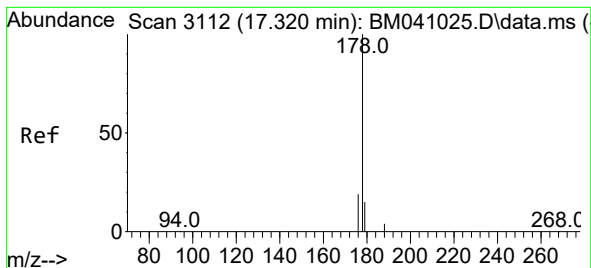
Ion Ratio Lower Upper

266 100

264 62.2 50.7 76.1

268 64.3 52.8 79.2





#15

Phenanthrene

Concen: 0.392 ng/ul

RT: 17.312 min Scan# 3110

Delta R.T. -0.004 min

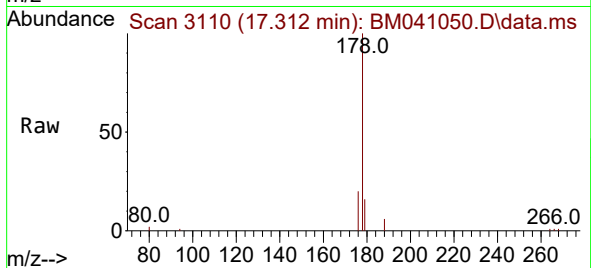
Lab File: BM041050.D

Acq: 22 Jul 2023 12:06

Instrument :

BNA_M

ClientSampleId :



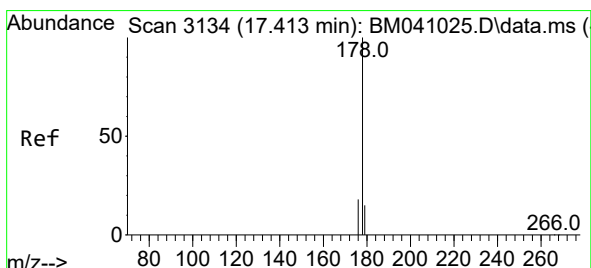
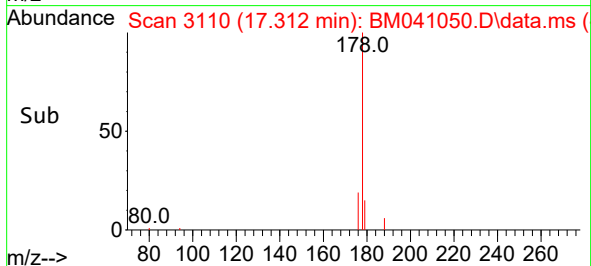
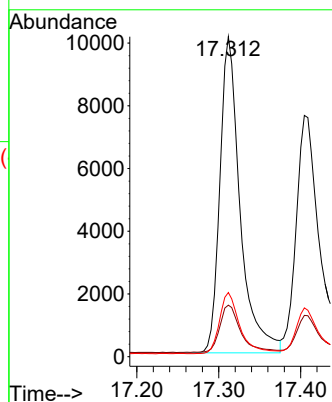
Tgt Ion:178 Resp: 17306

Ion Ratio Lower Upper

178 100

179 16.1 13.0 19.6

176 20.0 16.2 24.4



#16

Anthracene

Concen: 0.433 ng/ul

RT: 17.405 min Scan# 3132

Delta R.T. -0.004 min

Lab File: BM041050.D

Acq: 22 Jul 2023 12:06

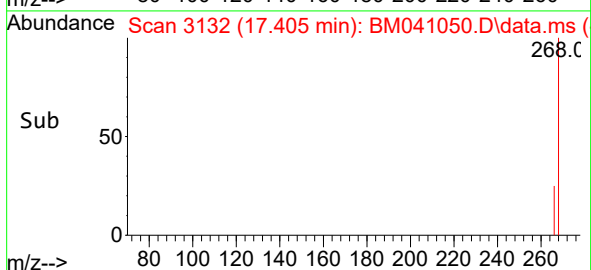
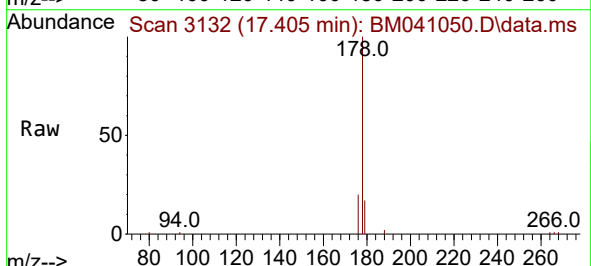
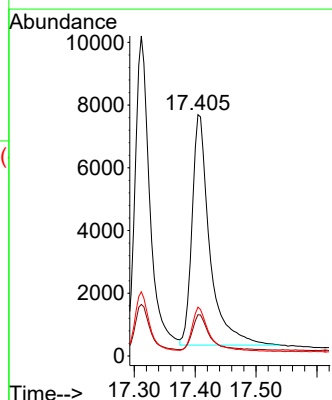
Tgt Ion:178 Resp: 14890

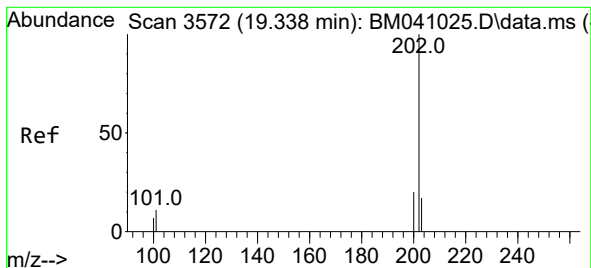
Ion Ratio Lower Upper

178 100

179 17.1 13.7 20.5

176 20.2 16.4 24.6





#19

Fluoranthene

Concen: 0.292 ng/ul

RT: 19.334 min Scan# 3

Delta R.T. 0.000 min

Lab File: BM041050.D

Acq: 22 Jul 2023 12:06

Instrument :

BNA_M

ClientSampleId :

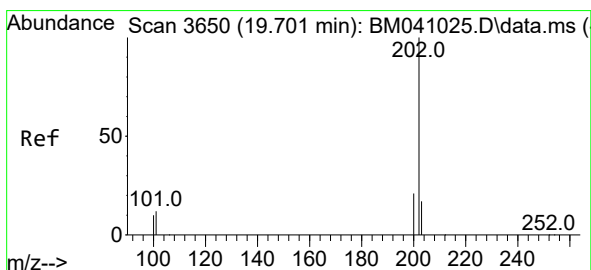
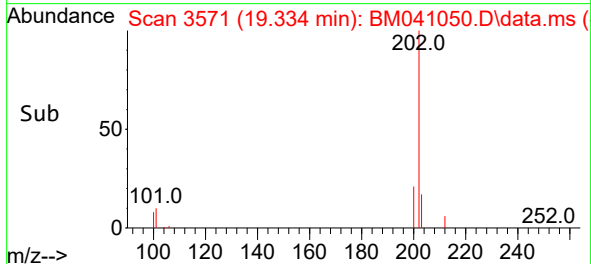
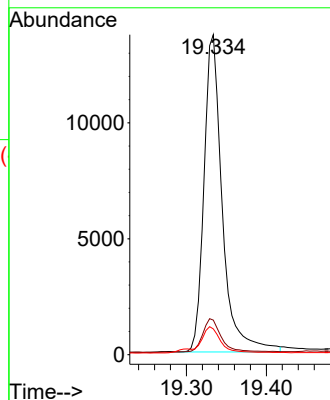
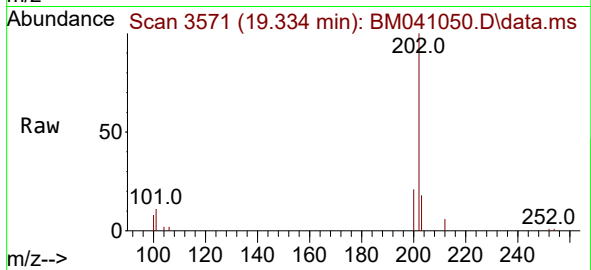
Tgt Ion:202 Resp: 21809

Ion Ratio Lower Upper

202 100

101 10.8 11.0 16.4#

100 8.1 8.3 12.5#



#20

Pyrene

Concen: 0.305 ng/ul

RT: 19.696 min Scan# 3649

Delta R.T. 0.000 min

Lab File: BM041050.D

Acq: 22 Jul 2023 12:06

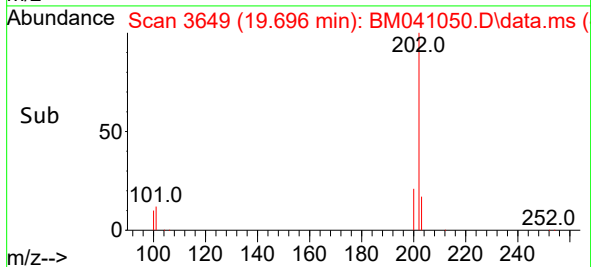
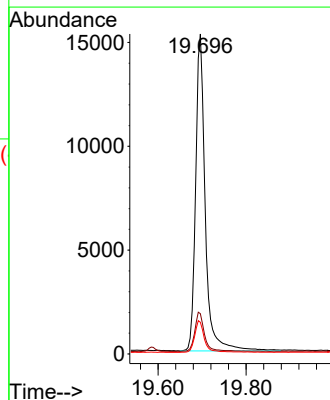
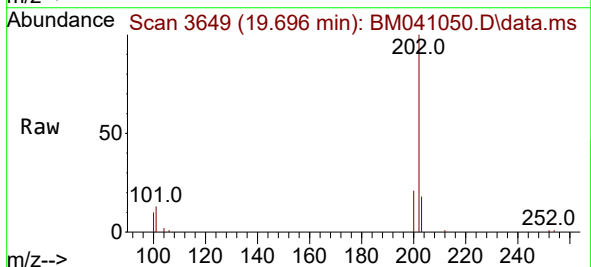
Tgt Ion:202 Resp: 23229

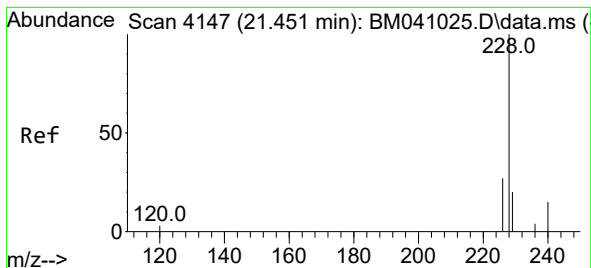
Ion Ratio Lower Upper

202 100

101 12.6 12.5 18.7

100 9.9 10.0 15.0#





#21

Benzo(a)anthracene

Concen: 0.456 ng/ul

RT: 21.445 min Scan# 4145

Delta R.T. -0.003 min

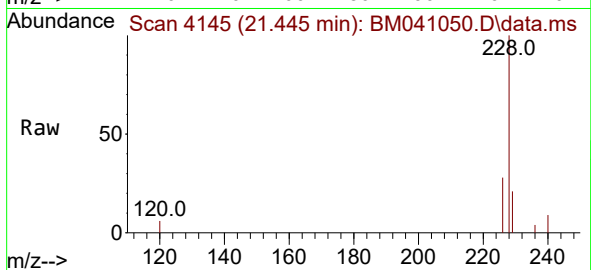
Lab File: BM041050.D

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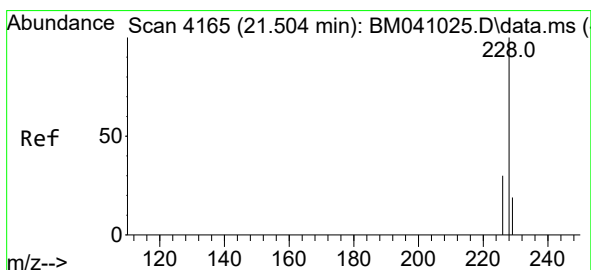
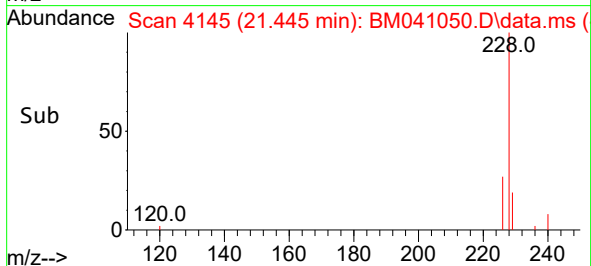
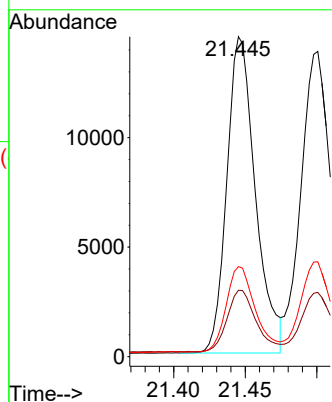
Tgt Ion:228 Resp: 20079

Ion Ratio Lower Upper

228 100

229 20.7 16.2 24.4

226 28.2 22.3 33.5



#22

Chrysene

Concen: 0.411 ng/ul

RT: 21.501 min Scan# 4164

Delta R.T. 0.000 min

Lab File: BM041050.D

Acq: 22 Jul 2023 12:06

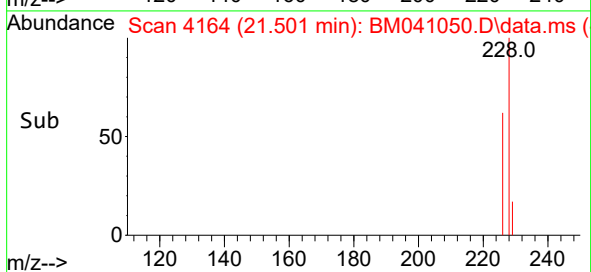
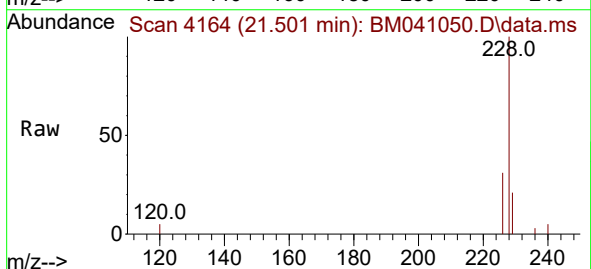
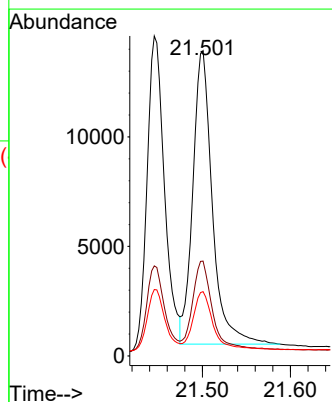
Tgt Ion:228 Resp: 20700

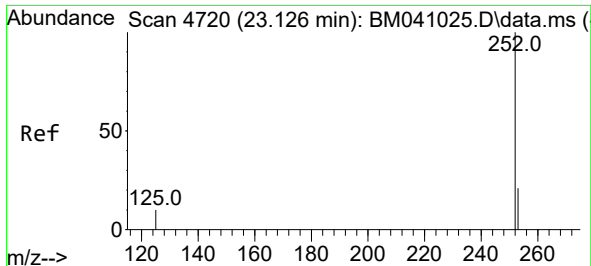
Ion Ratio Lower Upper

228 100

226 31.1 24.6 37.0

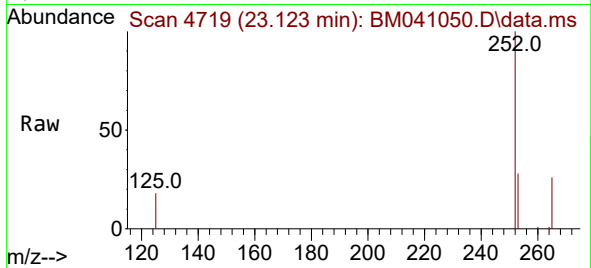
229 21.1 16.1 24.1



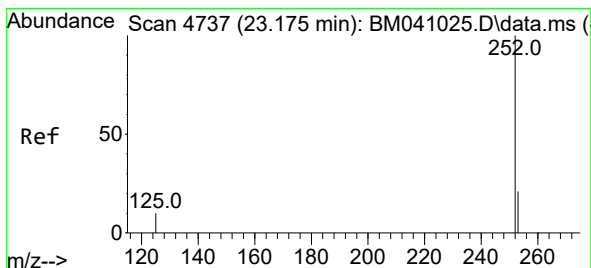
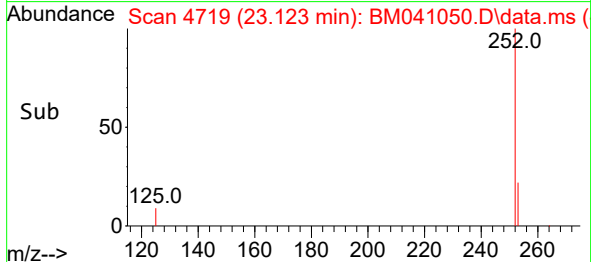
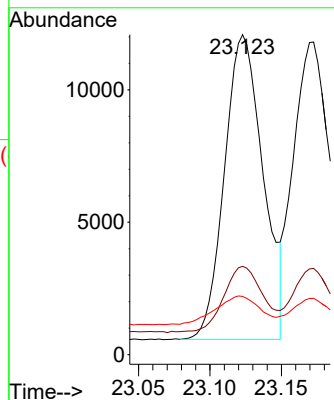


#24
Benzo(b)fluoranthene
Concen: 0.352 ng/ul
RT: 23.123 min Scan# 4719
Delta R.T. -0.003 min
Lab File: BM041050.D
Acq: 22 Jul 2023 12:06

Instrument :
BNA_M
ClientSampleId :

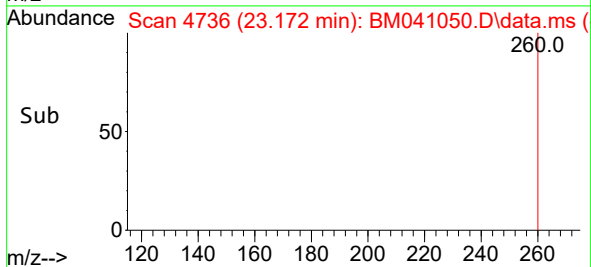
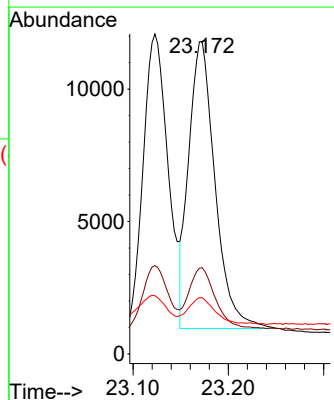
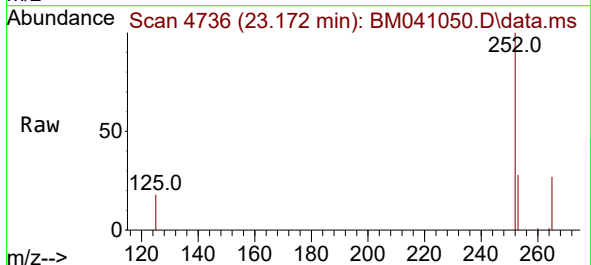


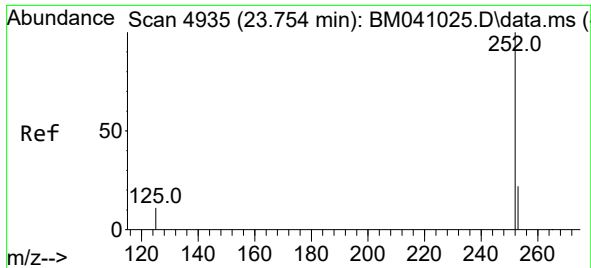
Tgt Ion:252 Resp: 21637
Ion Ratio Lower Upper
252 100
253 27.6 0.0 57.4
125 18.2 0.0 45.2



#25
Benzo(k)fluoranthene
Concen: 0.357 ng/ul
RT: 23.172 min Scan# 4736
Delta R.T. 0.000 min
Lab File: BM041050.D
Acq: 22 Jul 2023 12:06

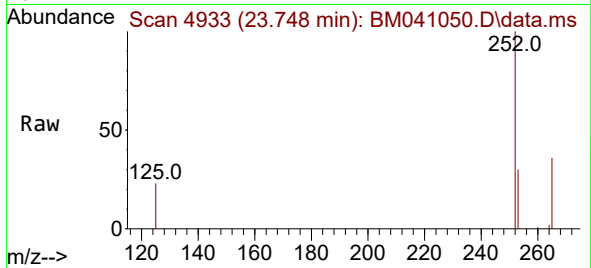
Tgt Ion:252 Resp: 20831
Ion Ratio Lower Upper
252 100
253 27.6 23.3 34.9
125 18.0 18.2 27.2#



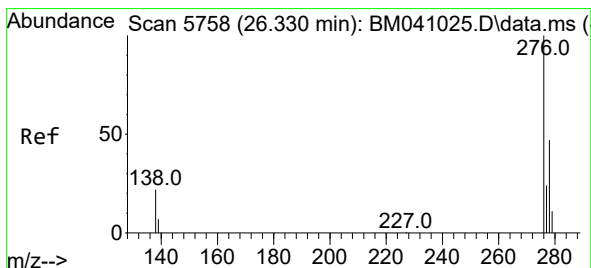
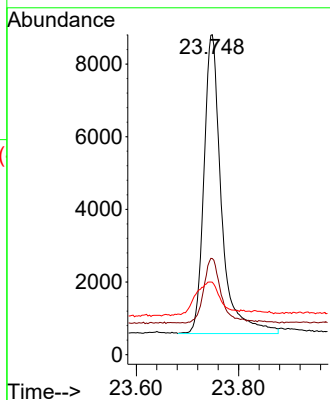
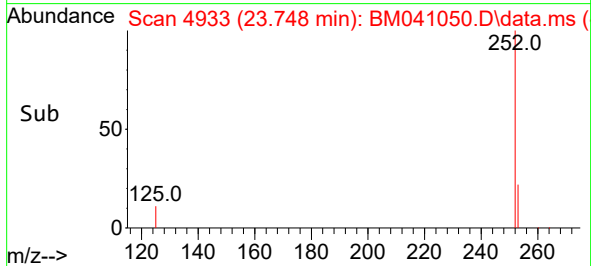


#26
Benzo(a)pyrene
Concen: 0.369 ng/ul
RT: 23.748 min Scan# 4935
Delta R.T. 0.000 min
Lab File: BM041050.D
Acq: 22 Jul 2023 12:06

Instrument :
BNA_M
ClientSampleId :

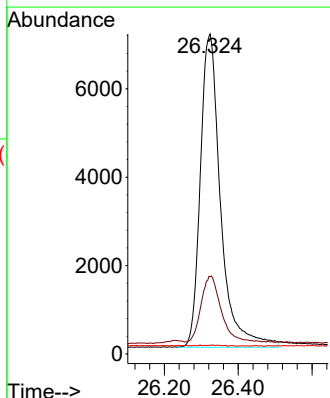
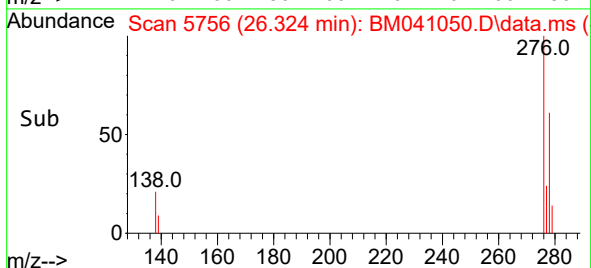
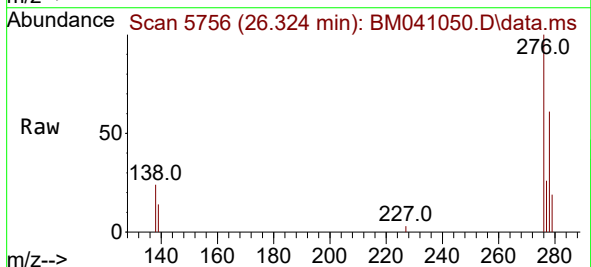


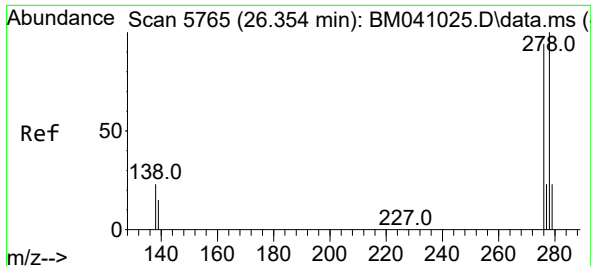
Tgt Ion:252 Resp: 19551
Ion Ratio Lower Upper
252 100
253 30.0 28.2 42.2
125 22.6 25.2 37.8#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.384 ng/ul
RT: 26.324 min Scan# 5756
Delta R.T. -0.003 min
Lab File: BM041050.D
Acq: 22 Jul 2023 12:06

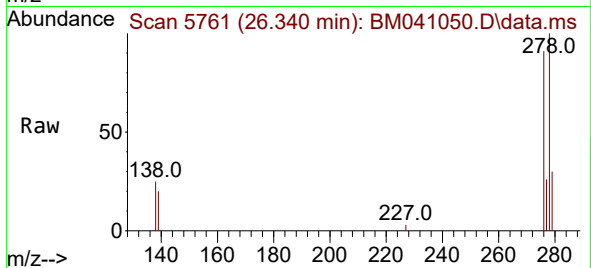
Tgt Ion:276 Resp: 27039
Ion Ratio Lower Upper
276 100
138 21.7 22.3 33.5#
227 0.0 0.0 0.0#



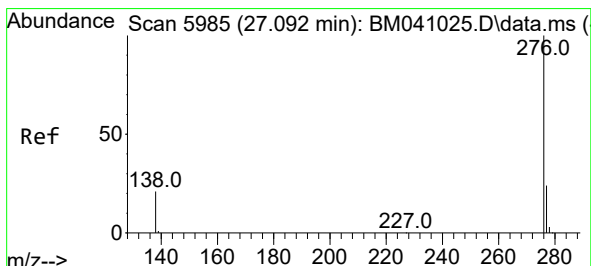
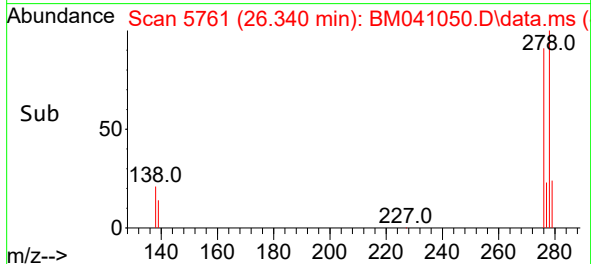
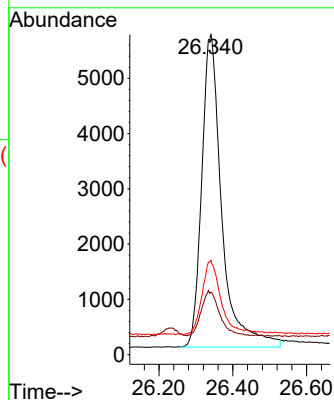


#28
Dibenzo(a,h)anthracene
Concen: 0.399 ng/ul
RT: 26.340 min Scan# 51
Delta R.T. -0.007 min
Lab File: BM041050.D
Acq: 22 Jul 2023 12:06

Instrument :
BNA_M
ClientSampleId :



Tgt Ion:278 Resp: 21260
Ion Ratio Lower Upper
278 100
139 19.6 19.2 28.8
279 29.5 27.0 40.6



#29
Benzo(g,h,i)perylene
Concen: 0.360 ng/ul
RT: 27.082 min Scan# 5982
Delta R.T. -0.003 min
Lab File: BM041050.D
Acq: 22 Jul 2023 12:06

Tgt Ion:276 Resp: 23398
Ion Ratio Lower Upper
276 100
138 22.7 22.6 34.0
277 26.0 21.2 31.8

