

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071524\
 Data File : BM046603.D
 Acq On : 15 Jul 2024 19:28
 Operator : MA/JU
 Sample : P3087-15
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 16 00:24:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 15 08:57:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.506	152	3165	0.400	ng/ul	0.00
4) Naphthalene-d8	10.266	136	9103	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.151	164	6266	0.400	ng/ul	0.00
13) Phenanthrene-d10	0.000	188	0	0.000	ng/ul	-16.90
17) Chrysene-d12	21.108	240	11016	0.400	ng/ul	# 0.00
23) Perylene-d12	23.250	264	11657	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.113	96	9513	3.658	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.866	152	5661	0.386	ng/ul	0.00
18) Fluoranthene-d10	18.937	212	15519	0.463	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.310	128	1523	0.066	ng/ul#	90
7) 2-Methylnaphthalene	11.943	142	572	0.035	ng/ul	97
10) Acenaphthylene	13.864	152	2381	0.083	ng/ul	92
11) Acenaphthene	14.211	153	518	0.027	ng/ul	96
12) Fluorene	15.205	166	955	0.040	ng/ul#	86
19) Fluoranthene	18.970	202	50322	1.112	ng/ul	99
20) Pyrene	19.337	202	50073	1.022	ng/ul	99
21) Benzo(a)anthracene	21.093	228	21330	0.438	ng/ul#	92
22) Chrysene	21.143	228	23026	0.488	ng/ul#	92
24) Benzo(b)fluoranthene	22.616	252	37111	0.797	ng/ul#	94
25) Benzo(k)fluoranthene	22.616	252	37111	0.812	ng/ul#	94
26) Benzo(a)pyrene	23.159	252	17215	0.449	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	25.366	276	13671	0.234	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.380	278	3487	0.076	ng/ul#	35
29) Benzo(g,h,i)perylene	26.014	276	13625	0.293	ng/ul#	97

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

BNA M

ClientSampleId :

Abundance

TIC: BM046603.D\data.ms

1500000

1400000

1300000

1200000

1100000

1000000

900000

800000

700000

600000

500000

400000

300000

200000

100000

0

Time-->

4.00 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00

1,4-Dioxane-d8

1,4-Dichlorobenzene-d4

Naphthalene-d8

2-Methylnaphthalene-d10

Acenaphthylene

Acenaphthene-d10

Fluorene

Fluoranthene-d10

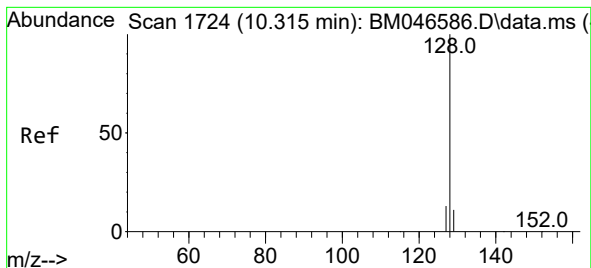
Pyrene

Benzo(a)anthracene

Benzo(b)fluoranthene

Benzo(a)pyrene

Dibenzo(a,h)pyrene



#5

Naphthalene

Concen: 0.066 ng/ul

RT: 10.310 min Scan# 1724

Delta R.T. -0.006 min

Lab File: BM046603.D

Acq: 15 Jul 2024 19:28

Instrument :

BNA_M

ClientSampleId :

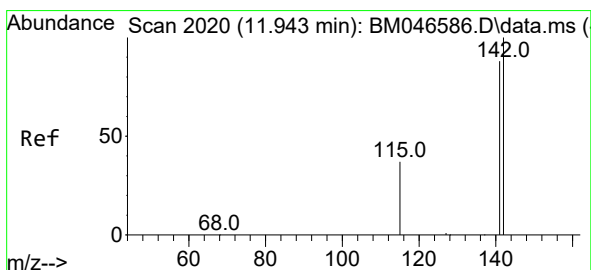
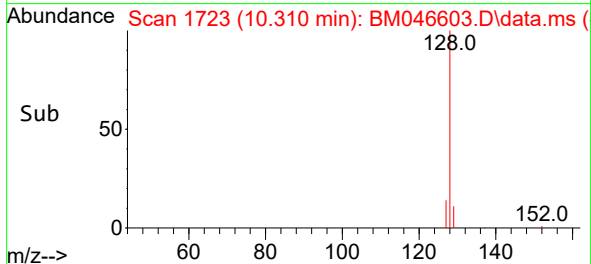
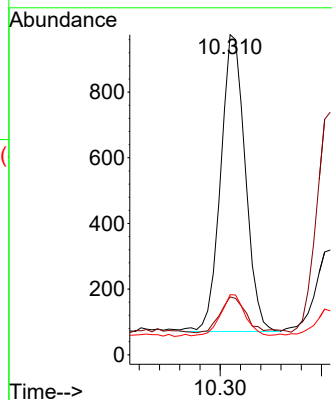
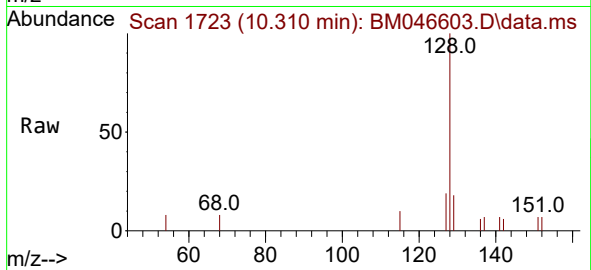
Tgt Ion:128 Resp: 1523

Ion Ratio Lower Upper

128 100

129 18.1 10.3 15.5#

127 18.8 12.2 18.4#



#7

2-Methylnaphthalene

Concen: 0.035 ng/ul

RT: 11.943 min Scan# 2020

Delta R.T. -0.000 min

Lab File: BM046603.D

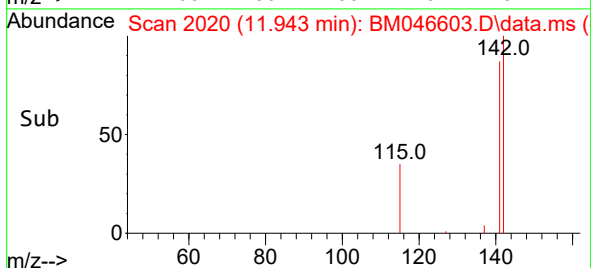
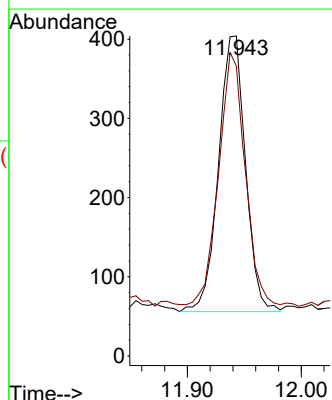
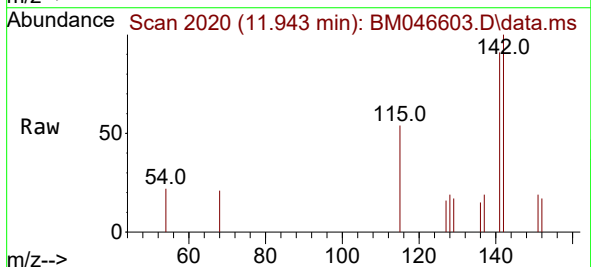
Acq: 15 Jul 2024 19:28

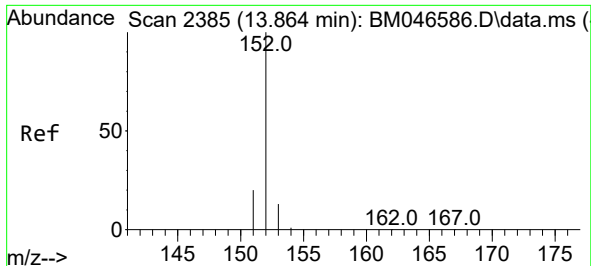
Tgt Ion:142 Resp: 572

Ion Ratio Lower Upper

142 100

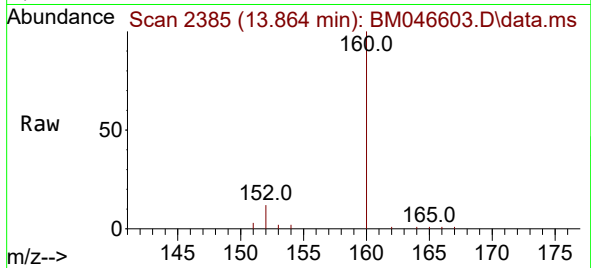
141 91.1 70.3 105.5



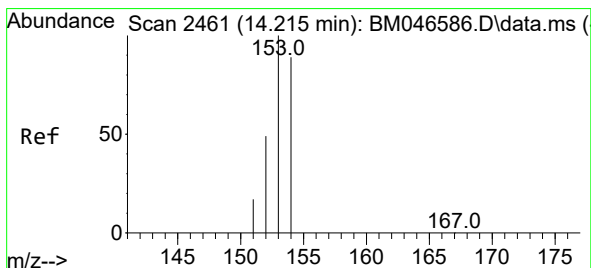
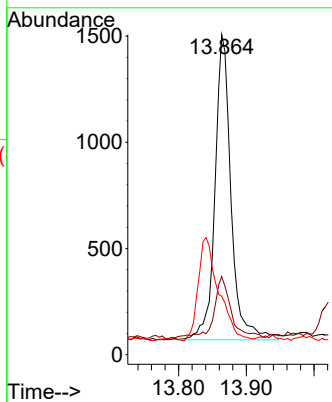
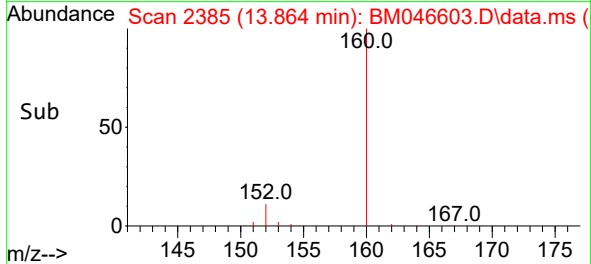


#10
Acenaphthylene
Concen: 0.083 ng/ul
RT: 13.864 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM046603.D
Acq: 15 Jul 2024 19:28

Instrument :
BNA_M
ClientSampleId :

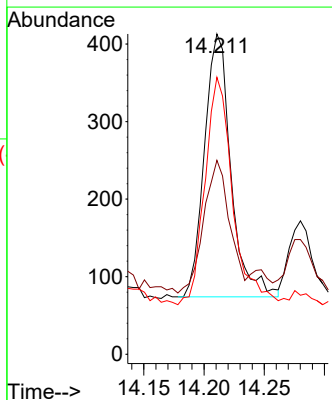
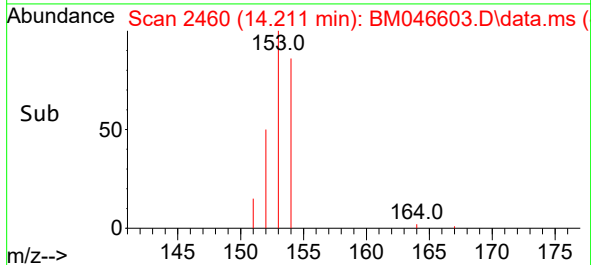
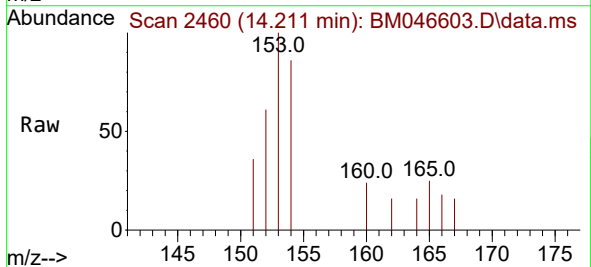


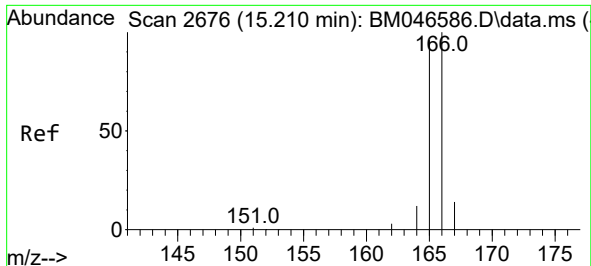
Tgt Ion:152 Resp: 2381
Ion Ratio Lower Upper
152 100
151 24.4 16.4 24.6
153 18.2 12.4 18.6



#11
Acenaphthene
Concen: 0.027 ng/ul
RT: 14.211 min Scan# 2460
Delta R.T. -0.000 min
Lab File: BM046603.D
Acq: 15 Jul 2024 19:28

Tgt Ion:153 Resp: 518
Ion Ratio Lower Upper
153 100
152 60.5 43.0 64.6
154 86.4 69.9 104.9

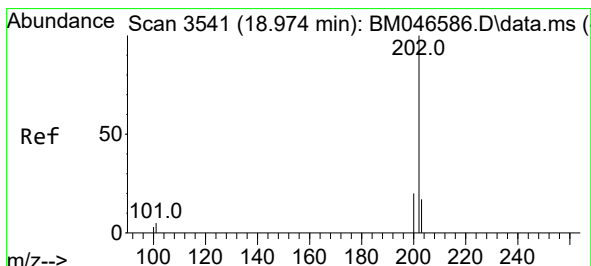
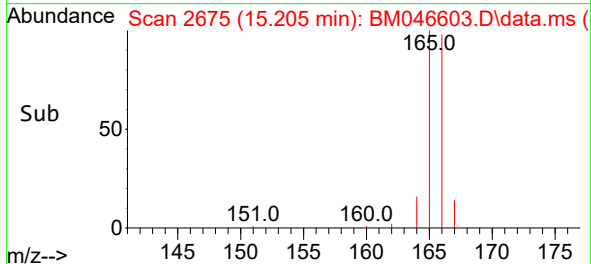
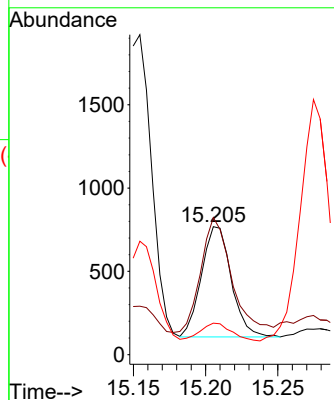
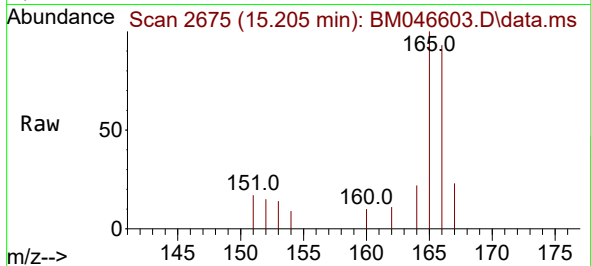




#12
Fluorene
Concen: 0.040 ng/ul
RT: 15.205 min Scan# 20
Delta R.T. -0.000 min
Lab File: BM046603.D
Acq: 15 Jul 2024 19:28

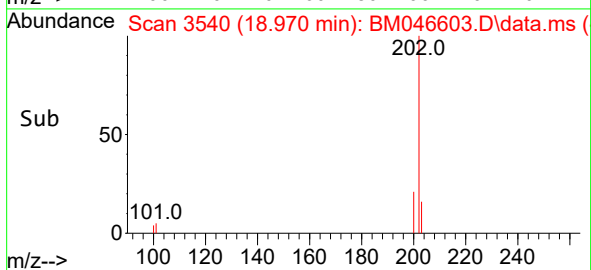
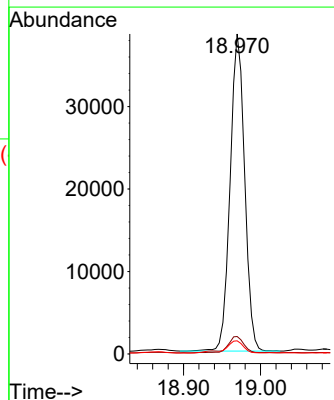
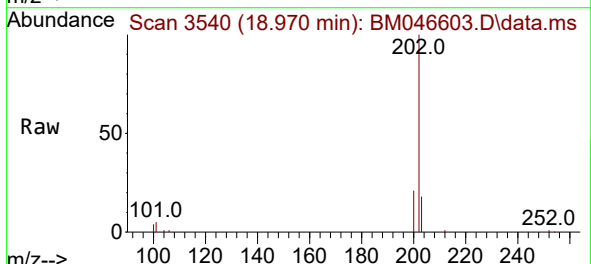
Instrument :
BNA_M
ClientSampleId :

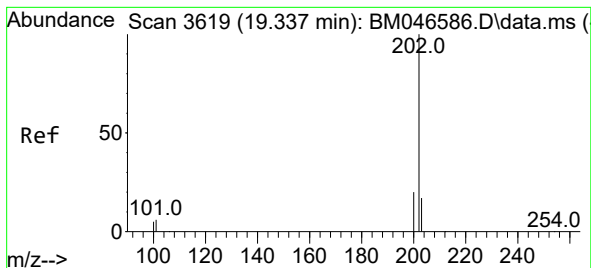
Tgt Ion:166 Resp: 955
Ion Ratio Lower Upper
166 100
165 107.2 76.1 114.1
167 24.6 12.5 18.7#



#19
Fluoranthene
Concen: 1.112 ng/ul
RT: 18.970 min Scan# 3540
Delta R.T. -0.000 min
Lab File: BM046603.D
Acq: 15 Jul 2024 19:28

Tgt Ion:202 Resp: 50322
Ion Ratio Lower Upper
202 100
101 5.4 4.6 6.8
100 4.1 3.0 4.6





#20

Pyrene

Concen: 1.022 ng/ul

RT: 19.337 min Scan# 3

Delta R.T. 0.004 min

Lab File: BM046603.D

Acq: 15 Jul 2024 19:28

Instrument :

BNA_M

ClientSampleId :

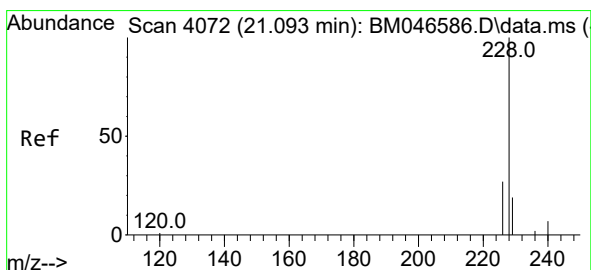
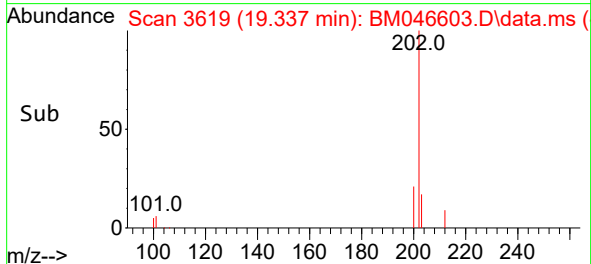
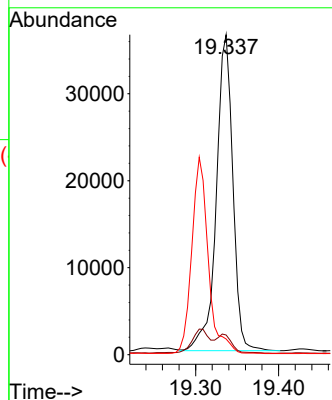
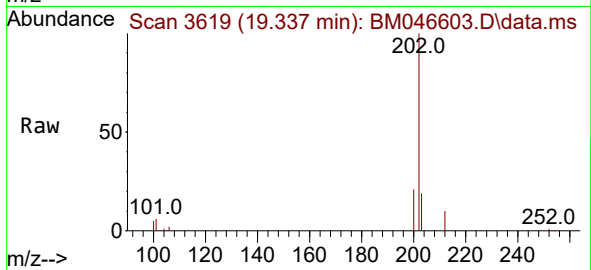
Tgt Ion:202 Resp: 50073

Ion Ratio Lower Upper

202 100

101 6.2 5.1 7.7

100 4.9 3.8 5.6



#21

Benzo(a)anthracene

Concen: 0.438 ng/ul

RT: 21.093 min Scan# 4072

Delta R.T. 0.006 min

Lab File: BM046603.D

Acq: 15 Jul 2024 19:28

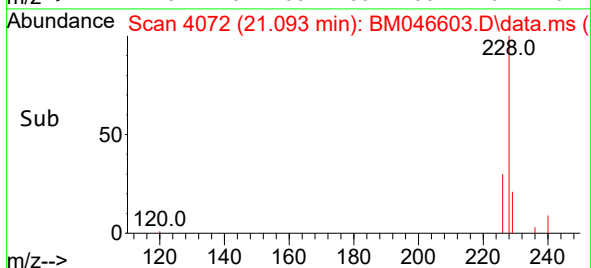
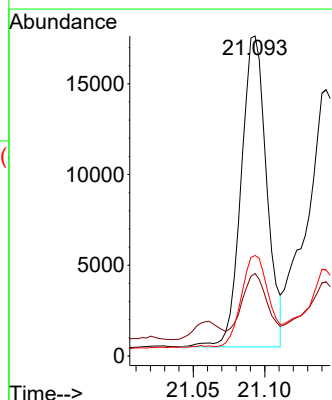
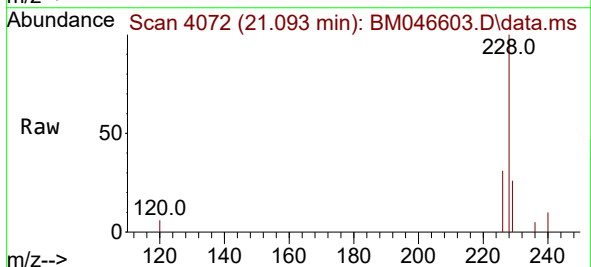
Tgt Ion:228 Resp: 21330

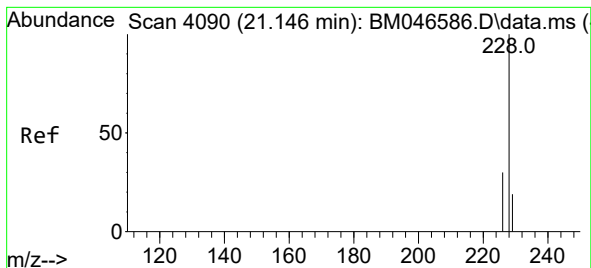
Ion Ratio Lower Upper

228 100

229 25.8 16.5 24.7#

226 31.4 22.5 33.7





#22

Chrysene

Concen: 0.488 ng/ul

RT: 21.143 min Scan# 4090

Delta R.T. 0.003 min

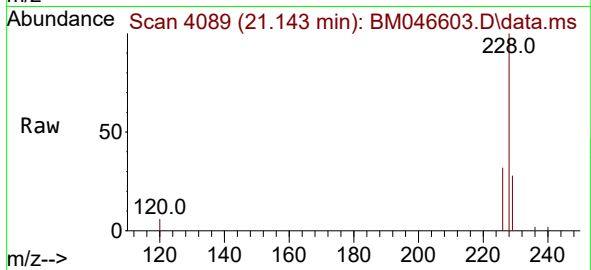
Lab File: BM046603.D

Acq: 15 Jul 2024 19:28

Instrument :

BNA_M

ClientSampleId :



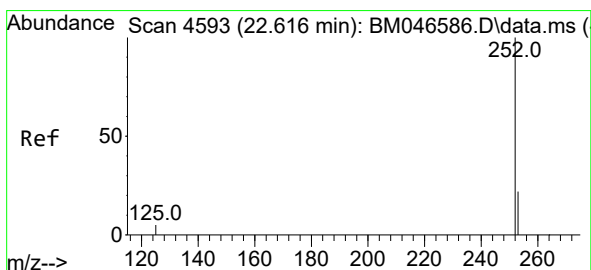
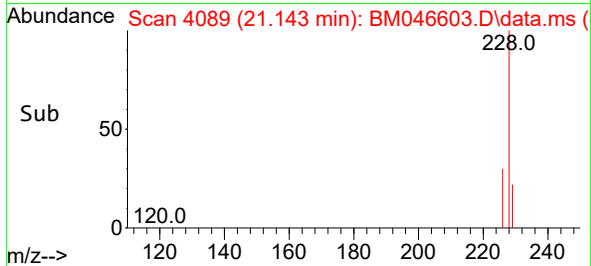
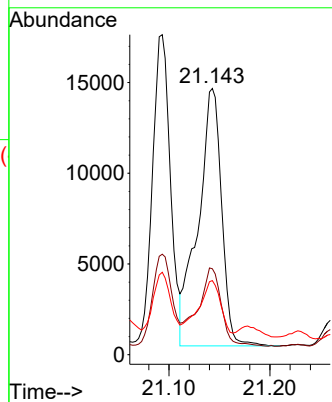
Tgt Ion:228 Resp: 23026

Ion Ratio Lower Upper

228 100

226 32.2 24.3 36.5

229 27.8 16.4 24.6#



#24

Benzo(b)fluoranthene

Concen: 0.797 ng/ul

RT: 22.616 min Scan# 4593

Delta R.T. 0.006 min

Lab File: BM046603.D

Acq: 15 Jul 2024 19:28

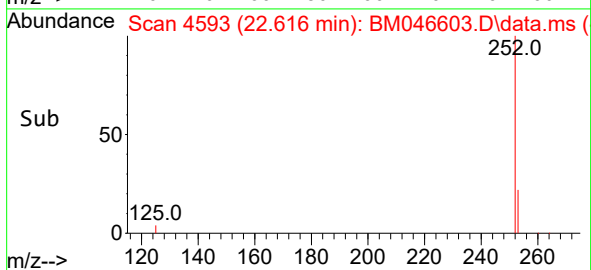
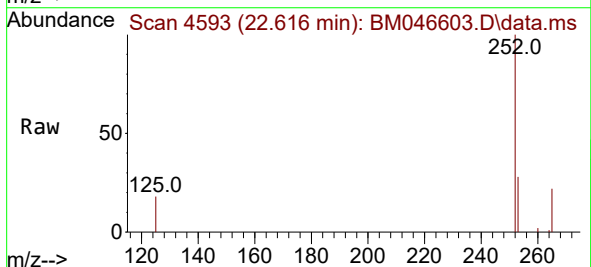
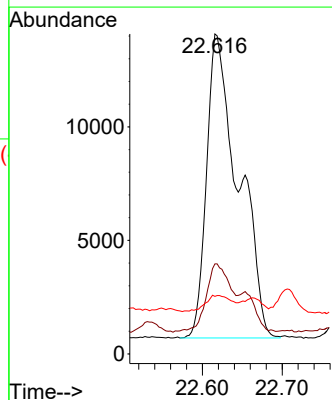
Tgt Ion:252 Resp: 37111

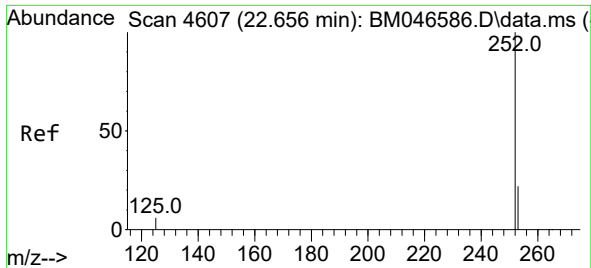
Ion Ratio Lower Upper

252 100

253 28.1 0.0 56.2

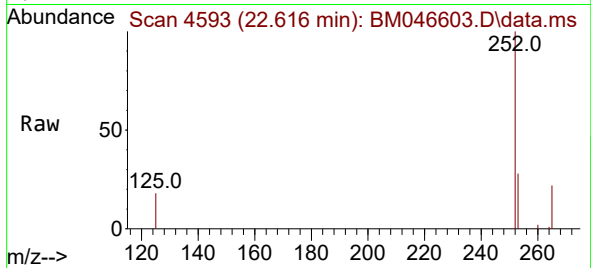
125 18.0 0.0 17.8#



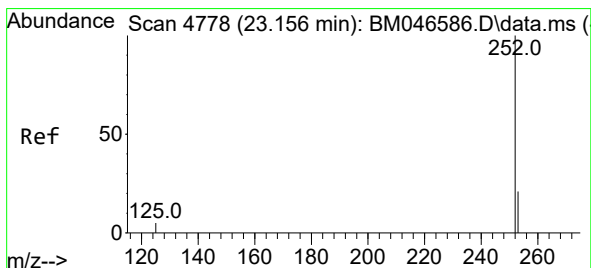
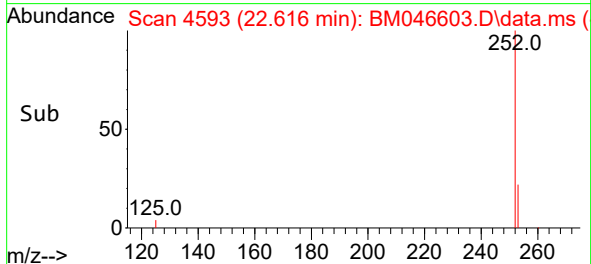
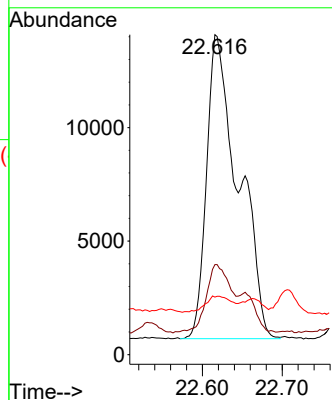


#25
Benzo(k)fluoranthene
Concen: 0.812 ng/ul
RT: 22.616 min Scan# 4
Delta R.T. -0.035 min
Lab File: BM046603.D
Acq: 15 Jul 2024 19:28

Instrument :
BNA_M
ClientSampleId :

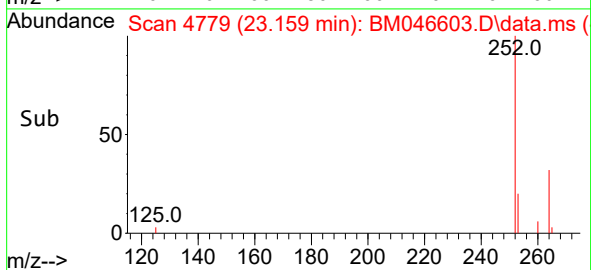
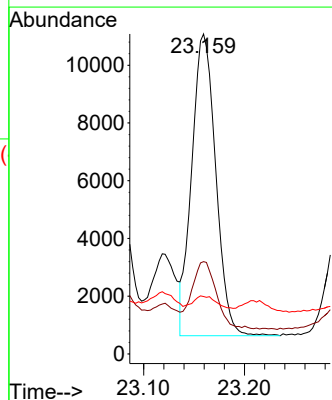
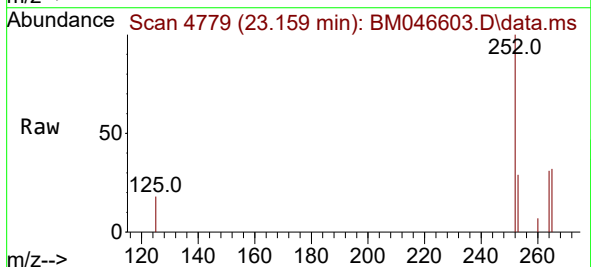


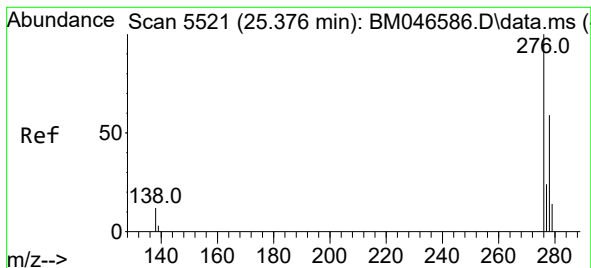
Tgt Ion:252 Resp: 37111
Ion Ratio Lower Upper
252 100
253 28.1 22.4 33.6
125 18.0 7.0 10.4#



#26
Benzo(a)pyrene
Concen: 0.449 ng/ul
RT: 23.159 min Scan# 4779
Delta R.T. 0.008 min
Lab File: BM046603.D
Acq: 15 Jul 2024 19:28

Tgt Ion:252 Resp: 17215
Ion Ratio Lower Upper
252 100
253 28.8 24.0 36.0
125 17.9 8.2 12.2#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.234 ng/ul

RT: 25.366 min Scan# 5518

Delta R.T. 0.006 min

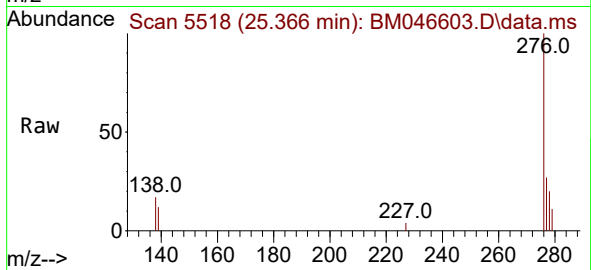
Lab File: BM046603.D

Acq: 15 Jul 2024 19:28

Instrument :

BNA_M

ClientSampleId :



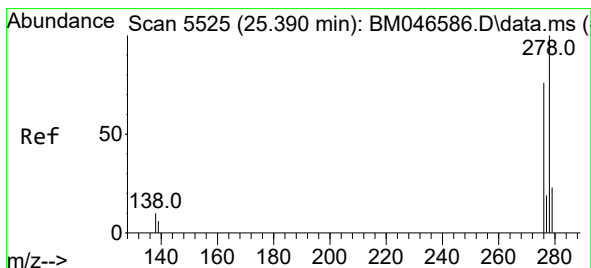
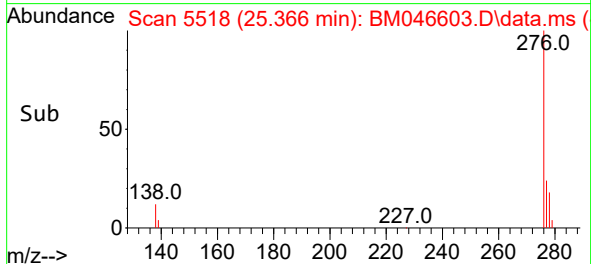
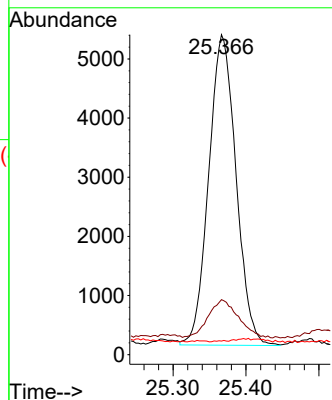
Tgt Ion:276 Resp: 13671

Ion Ratio Lower Upper

276 100

138 13.6 0.0 0.0#

227 0.2 0.2 0.2



#28

Dibenzo(a,h)anthracene

Concen: 0.076 ng/ul

RT: 25.380 min Scan# 5522

Delta R.T. -0.004 min

Lab File: BM046603.D

Acq: 15 Jul 2024 19:28

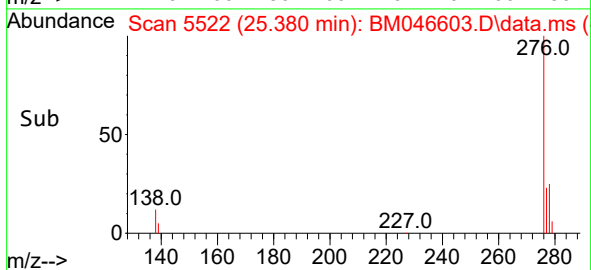
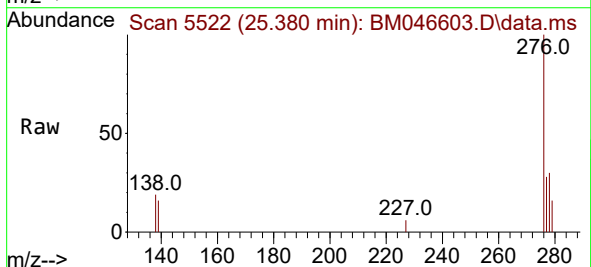
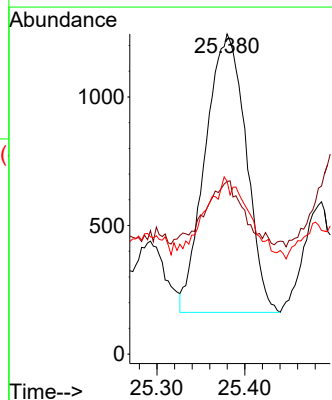
Tgt Ion:278 Resp: 3487

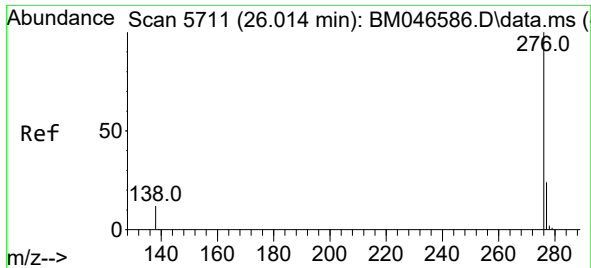
Ion Ratio Lower Upper

278 100

139 53.9 9.1 13.7#

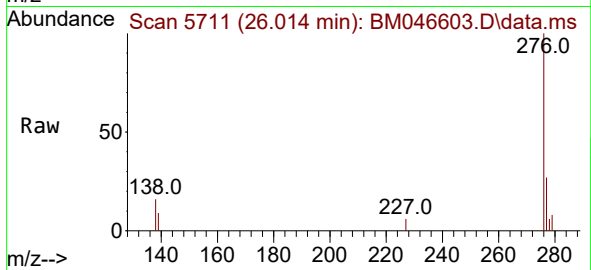
279 54.0 23.2 34.8#





#29
 Benzo(g,h,i)perylene
 Concen: 0.293 ng/ul
 RT: 26.014 min Scan# 51
 Delta R.T. 0.010 min
 Lab File: BM046603.D
 Acq: 15 Jul 2024 19:28

Instrument :
 BNA_M
 ClientSampleId :



Tgt Ion:	276	Resp:	13625
Ion Ratio	Lower	Upper	
276	100		
138	15.9	10.2	15.4#
277	26.8	20.9	31.3

