

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041324\
 Data File : BM045221.D
 Acq On : 14 Apr 2024 01:29
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4074

Quant Time: Apr 15 00:37:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM040424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 15 00:32:25 2024
 Response via : Initial Calibration

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

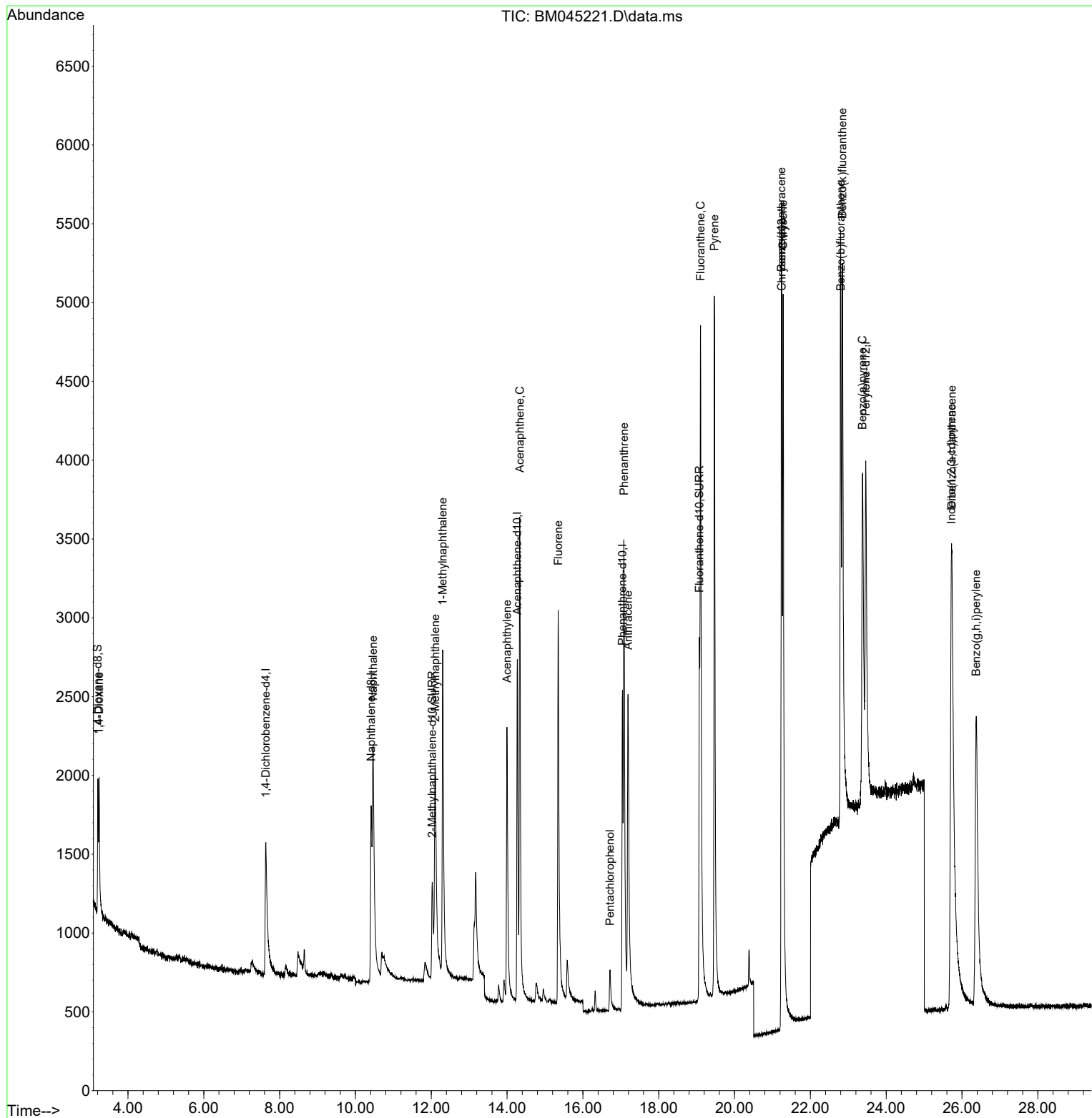
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.635	152	1120	0.400	ng/ul	0.02
4) Naphthalene-d8	10.413	136	3269	0.400	ng/ul #	0.02
9) Acenaphthene-d10	14.270	164	1689	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.043	188	3949	0.400	ng/ul	0.01
17) Chrysene-d12	21.242	240	3253	0.400	ng/ul	0.00
23) Perylene-d12	23.461	264	4012	0.400	ng/ul #	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.205	96	698	0.474	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.024	152	1719	0.388	ng/ul	0.03
18) Fluoranthene-d10	19.070	212	3851	0.469	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.239	88	648	0.459	ng/ul#	90
5) Naphthalene	10.463	128	3527	0.407	ng/ul	96
7) 2-Methylnaphthalene	12.101	142	2074	0.400	ng/ul	100
8) 1-Methylnaphthalene	12.299	142	2209	0.391	ng/ul	100
10) Acenaphthylene	13.997	152	3369	0.400	ng/ul	93
11) Acenaphthene	14.335	153	2486	0.412	ng/ul	99
12) Fluorene	15.348	166	2715	0.401	ng/ul	97
14) Pentachlorophenol	16.714	266	321	0.347	ng/ul	93
15) Phenanthrene	17.081	178	4373	0.393	ng/ul	97
16) Anthracene	17.191	178	4380	0.400	ng/ul	97
19) Fluoranthene	19.103	202	5459	0.470	ng/ul	97
20) Pyrene	19.465	202	5807	0.473	ng/ul	96
21) Benzo(a)anthracene	21.234	228	4306	0.380	ng/ul	97
22) Chrysene	21.280	228	6274	0.444	ng/ul	98
24) Benzo(b)fluoranthene	22.797	252	5563	0.384	ng/ul	96
25) Benzo(k)fluoranthene	22.844	252	7050	0.434	ng/ul	94
26) Benzo(a)pyrene	23.373	252	5611	0.406	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	25.715	276	7151	0.377	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.732	278	5539	0.369	ng/ul#	90
29) Benzo(g,h,i)perylene	26.373	276	6422	0.393	ng/ul	94

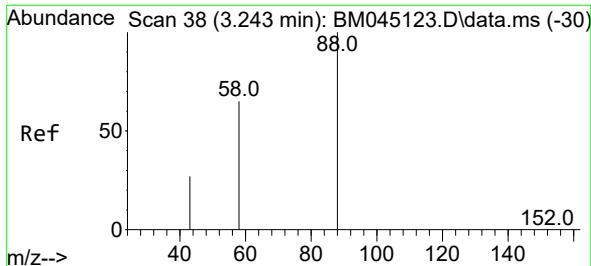
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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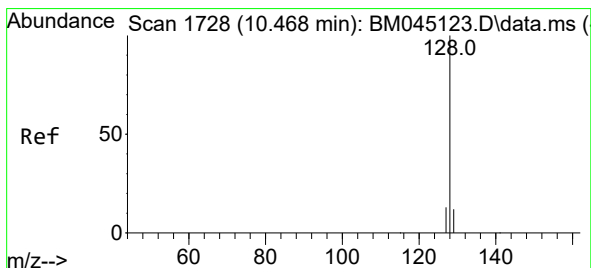
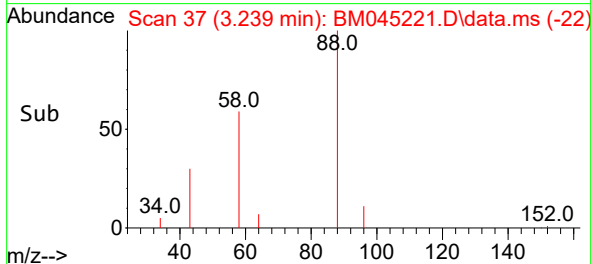
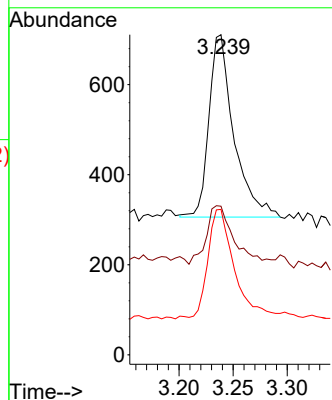
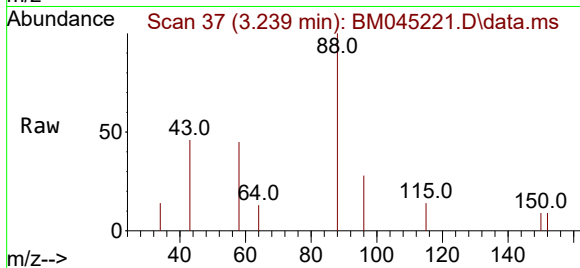




#2
1,4-Dioxane
Concen: 0.459 ng/ul
RT: 3.239 min Scan# 31
Delta R.T. 0.004 min
Lab File: BM045221.D
Acq: 14 Apr 2024 01:29

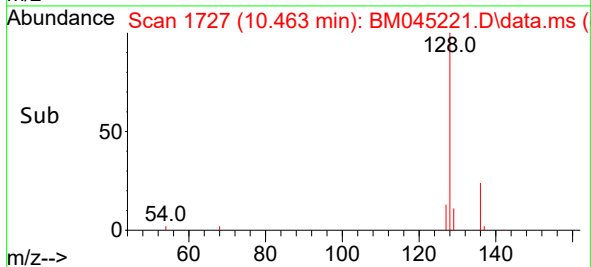
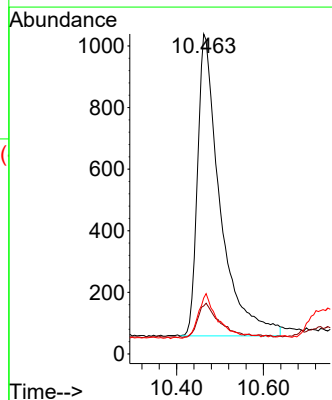
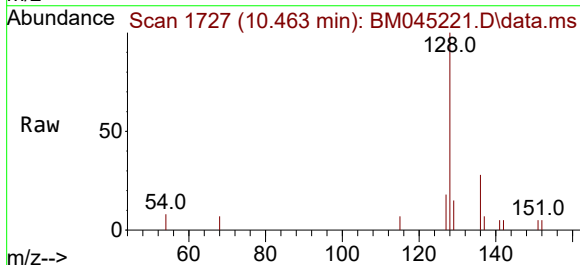
Instrument :
BNA_M
ClientSampleId :
SSTD0.4074

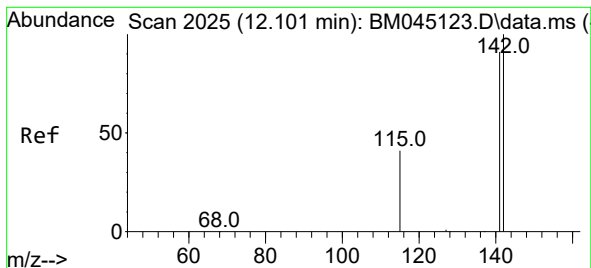
Tgt Ion: 88 Resp: 648
Ion Ratio Lower Upper
88 100
43 46.4 30.6 46.0#
58 45.4 32.6 48.8



#5
Naphthalene
Concen: 0.407 ng/ul
RT: 10.463 min Scan# 1727
Delta R.T. 0.022 min
Lab File: BM045221.D
Acq: 14 Apr 2024 01:29

Tgt Ion: 128 Resp: 3527
Ion Ratio Lower Upper
128 100
129 15.0 11.3 16.9
127 17.5 11.9 17.9





#7

2-Methylnaphthalene

Concen: 0.400 ng/ul

RT: 12.101 min Scan# 2025

Delta R.T. 0.028 min

Lab File: BM045221.D

Acq: 14 Apr 2024 01:29

Instrument :

BNA_M

ClientSampleId :

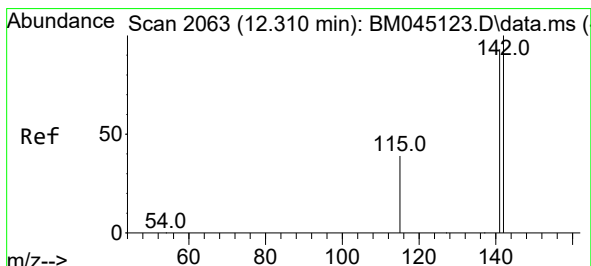
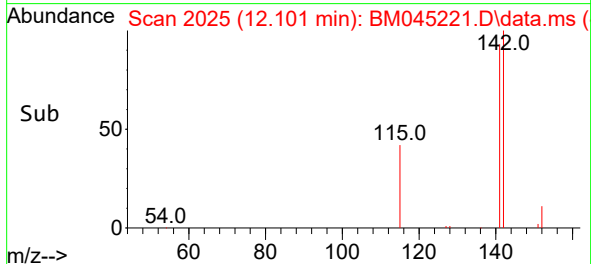
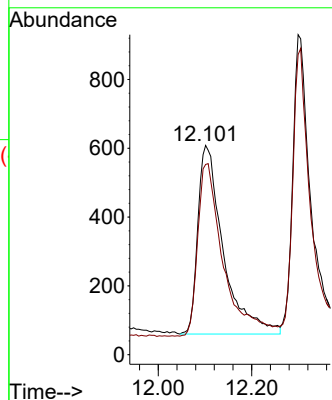
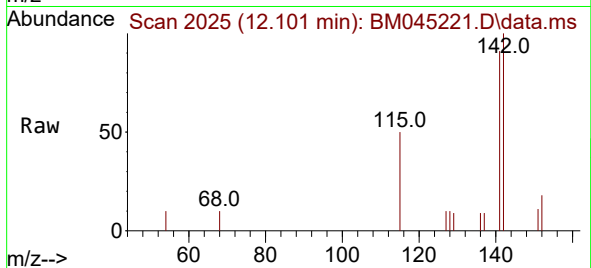
SSTD0.4074

Tgt Ion:142 Resp: 2074

Ion Ratio Lower Upper

142 100

141 92.4 73.8 110.8



#8

1-Methylnaphthalene

Concen: 0.391 ng/ul

RT: 12.299 min Scan# 2061

Delta R.T. 0.011 min

Lab File: BM045221.D

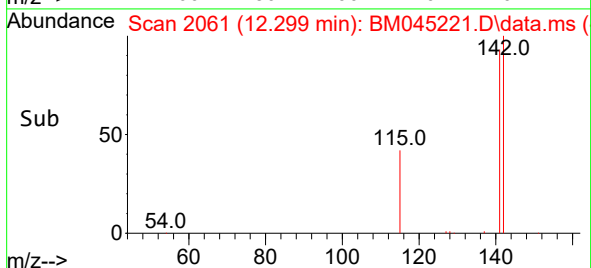
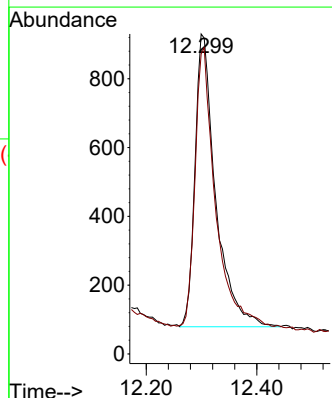
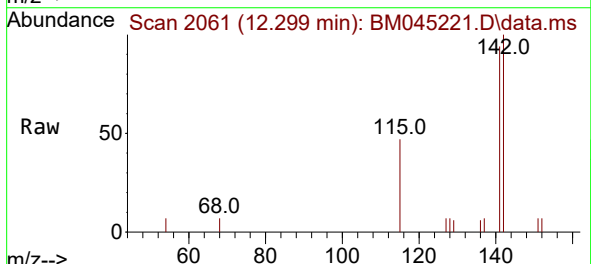
Acq: 14 Apr 2024 01:29

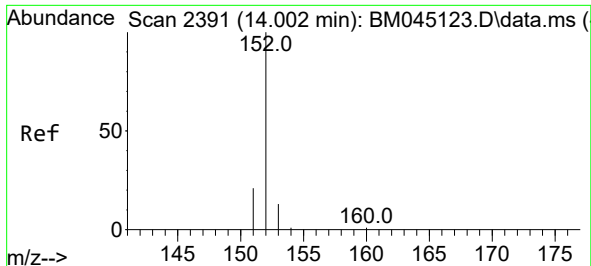
Tgt Ion:142 Resp: 2209

Ion Ratio Lower Upper

142 100

141 92.8 74.2 111.2

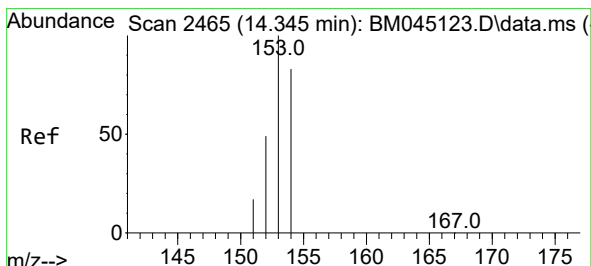
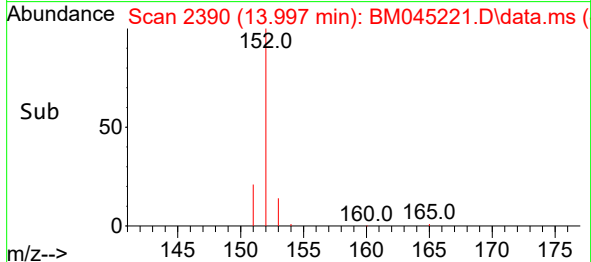
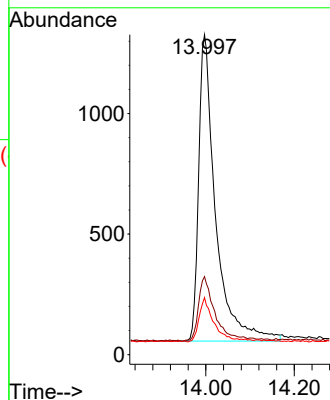
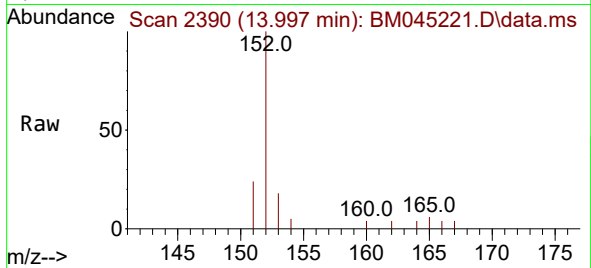




#10
Acenaphthylene
Concen: 0.400 ng/ul
RT: 13.997 min Scan# 21
Delta R.T. 0.013 min
Lab File: BM045221.D
Acq: 14 Apr 2024 01:29

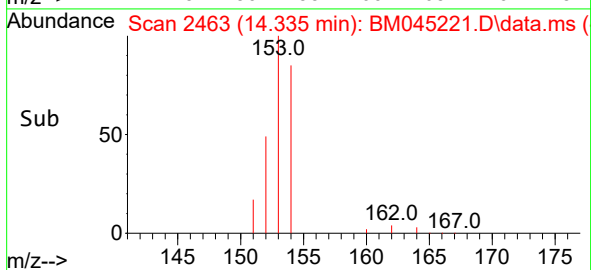
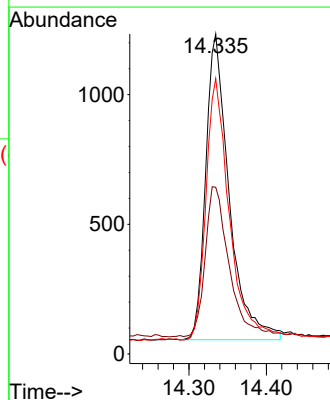
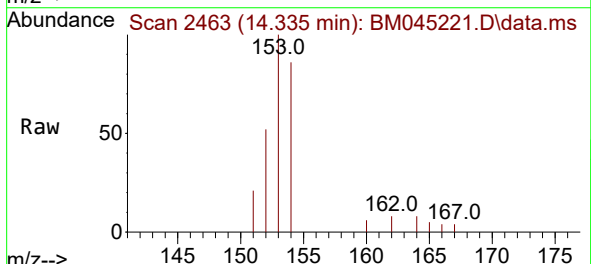
Instrument :
BNA_M
ClientSampleId :
SSTD0.4074

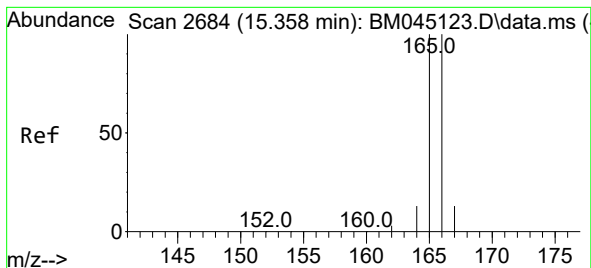
Tgt Ion:152	Resp:	3369
Ion Ratio	Lower	Upper
152	100	
151	24.4	17.0 25.4
153	17.9	11.9 17.9



#11
Acenaphthene
Concen: 0.412 ng/ul
RT: 14.335 min Scan# 2463
Delta R.T. 0.008 min
Lab File: BM045221.D
Acq: 14 Apr 2024 01:29

Tgt Ion:153	Resp:	2486
Ion Ratio	Lower	Upper
153	100	
152	52.1	41.2 61.8
154	86.1	69.4 104.0





#12

Fluorene

Concen: 0.401 ng/ul

RT: 15.348 min Scan# 2

Delta R.T. 0.018 min

Lab File: BM045221.D

Acq: 14 Apr 2024 01:29

Instrument :

BNA_M

ClientSampleId :

SSTD0.4074

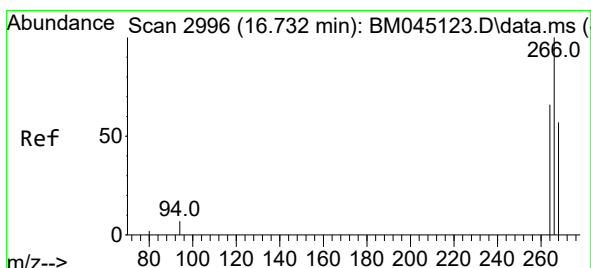
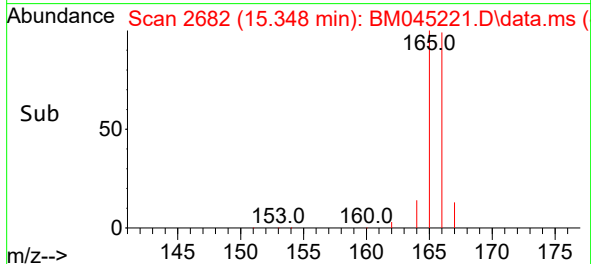
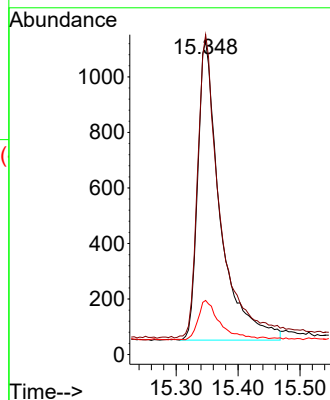
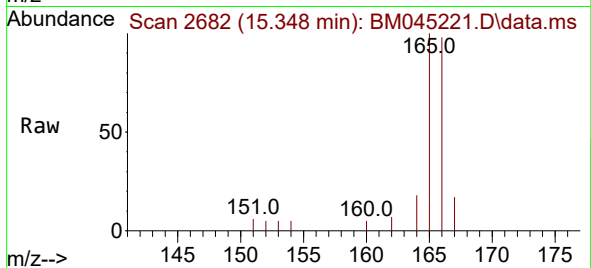
Tgt Ion:166 Resp: 2715

Ion Ratio Lower Upper

166 100

165 102.2 79.9 119.9

167 17.3 12.2 18.2



#14

Pentachlorophenol

Concen: 0.347 ng/ul

RT: 16.714 min Scan# 2992

Delta R.T. 0.016 min

Lab File: BM045221.D

Acq: 14 Apr 2024 01:29

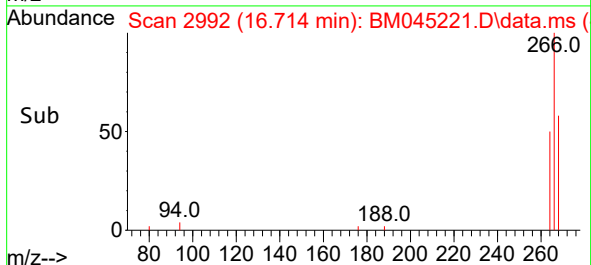
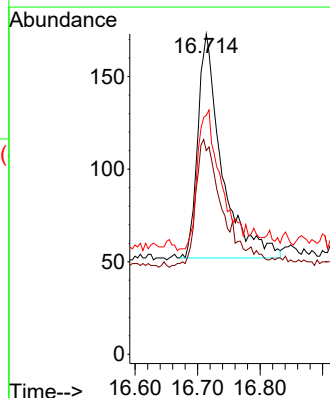
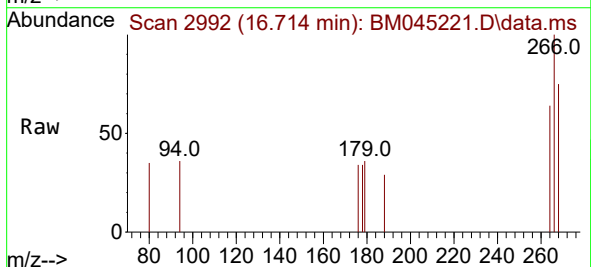
Tgt Ion:266 Resp: 321

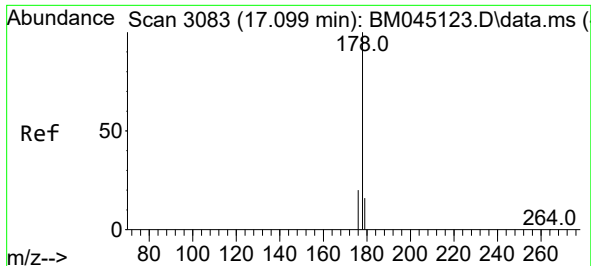
Ion Ratio Lower Upper

266 100

264 69.5 48.3 72.5

268 64.2 52.6 79.0

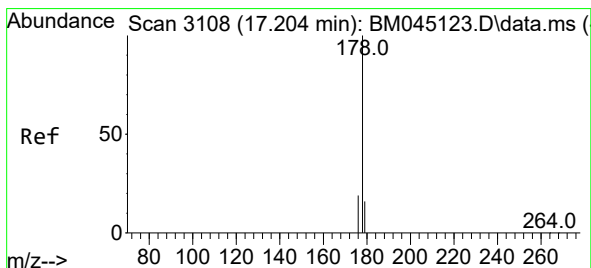
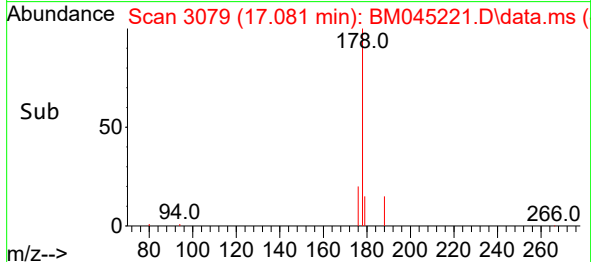
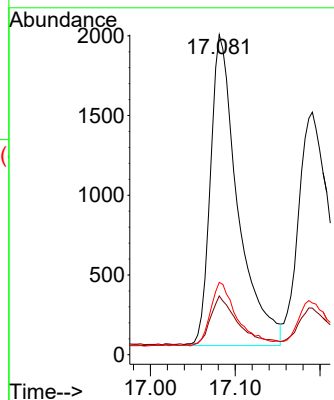
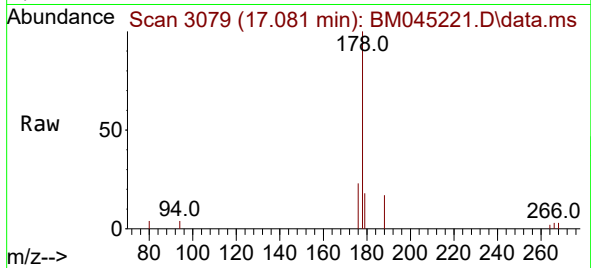




#15
Phenanthrene
Concen: 0.393 ng/ul
RT: 17.081 min Scan# 3083
Delta R.T. 0.008 min
Lab File: BM045221.D
Acq: 14 Apr 2024 01:29

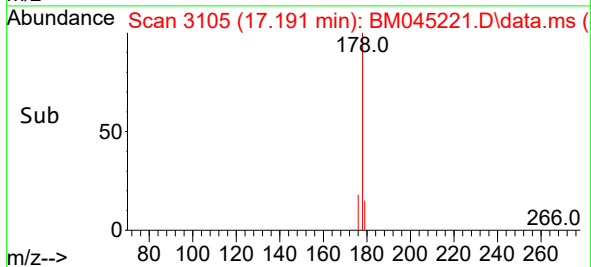
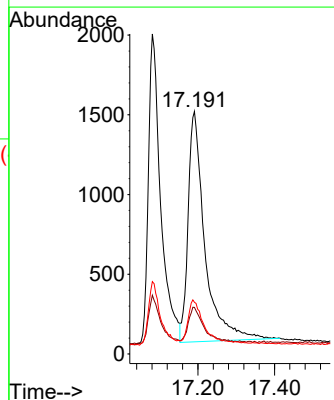
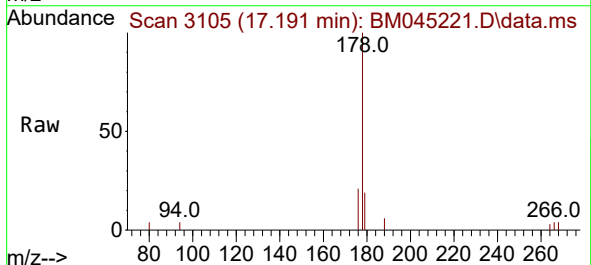
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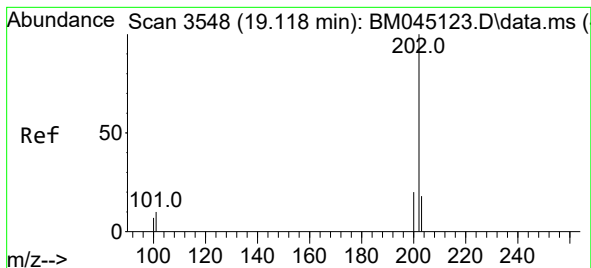
Tgt Ion:178 Resp: 4373
Ion Ratio Lower Upper
178 100
179 18.3 13.7 20.5
176 22.6 17.0 25.4



#16
Anthracene
Concen: 0.400 ng/ul
RT: 17.191 min Scan# 3105
Delta R.T. 0.020 min
Lab File: BM045221.D
Acq: 14 Apr 2024 01:29

Tgt Ion:178 Resp: 4380
Ion Ratio Lower Upper
178 100
179 19.2 13.8 20.8
176 21.3 16.2 24.4





#19

Fluoranthene

Concen: 0.470 ng/ul

RT: 19.103 min Scan# 3

Delta R.T. 0.008 min

Lab File: BM045221.D

Acq: 14 Apr 2024 01:29

Instrument :

BNA_M

ClientSampleId :

SSTD0.4074

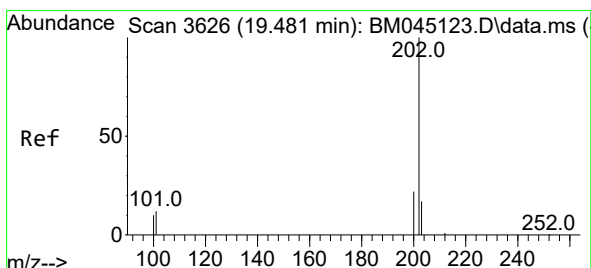
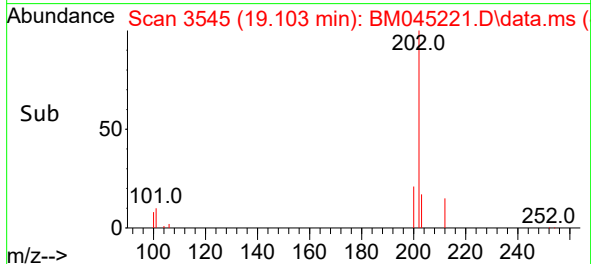
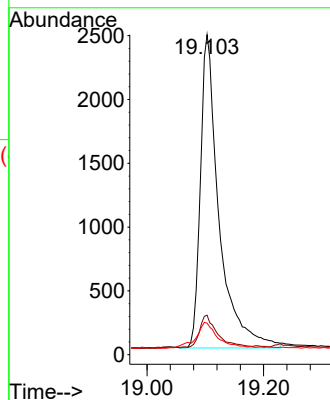
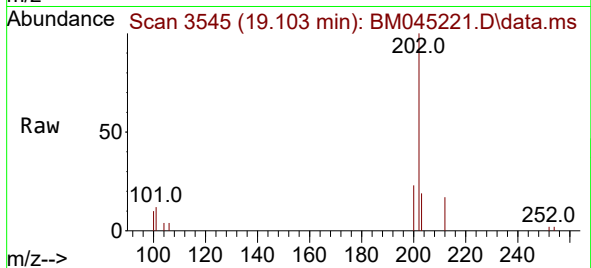
Tgt Ion:202 Resp: 5459

Ion Ratio Lower Upper

202 100

101 12.4 8.8 13.2

100 9.8 7.0 10.4



#20

Pyrene

Concen: 0.473 ng/ul

RT: 19.465 min Scan# 3623

Delta R.T. 0.003 min

Lab File: BM045221.D

Acq: 14 Apr 2024 01:29

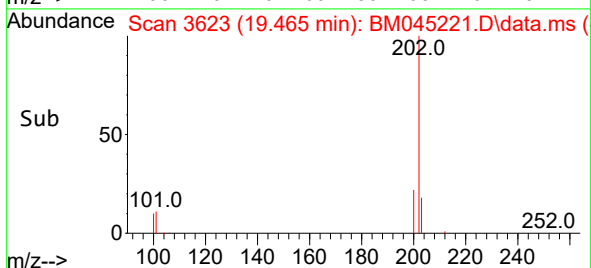
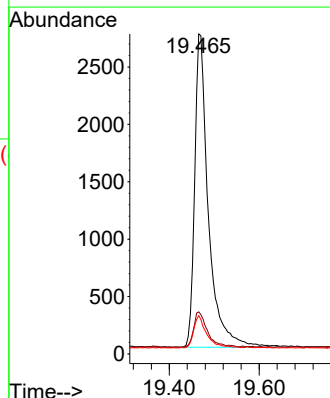
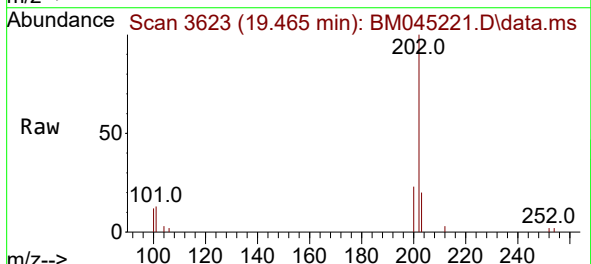
Tgt Ion:202 Resp: 5807

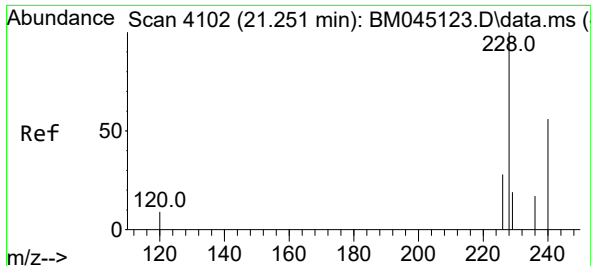
Ion Ratio Lower Upper

202 100

101 13.2 9.8 14.6

100 11.9 8.1 12.1

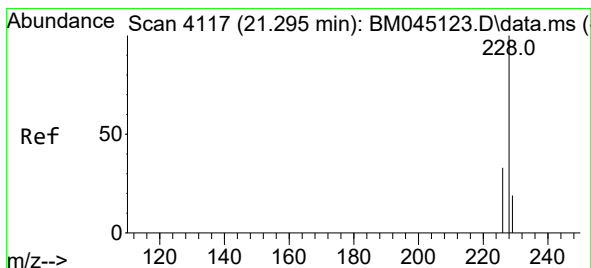
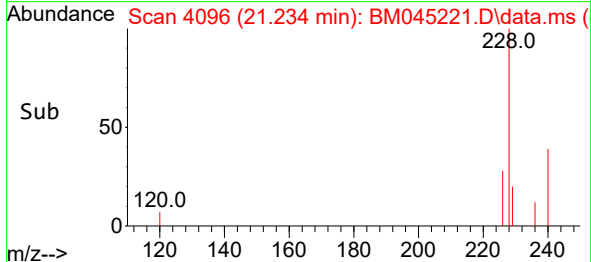
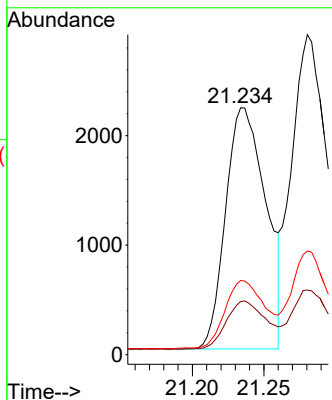
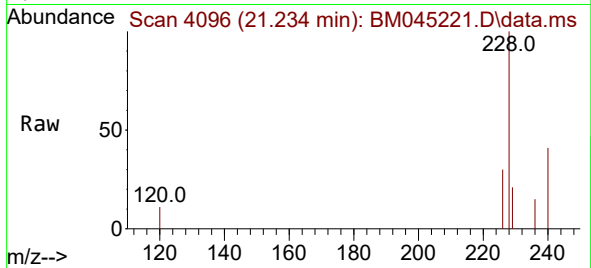




#21
Benzo(a)anthracene
Concen: 0.380 ng/ul
RT: 21.234 min Scan# 4096
Delta R.T. 0.006 min
Lab File: BM045221.D
Acq: 14 Apr 2024 01:29

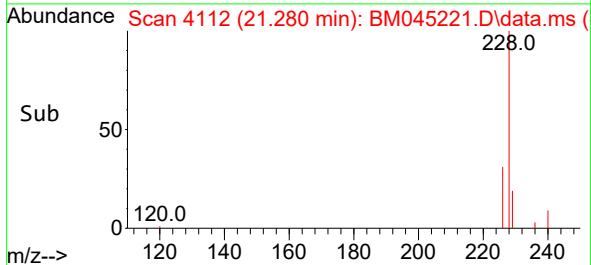
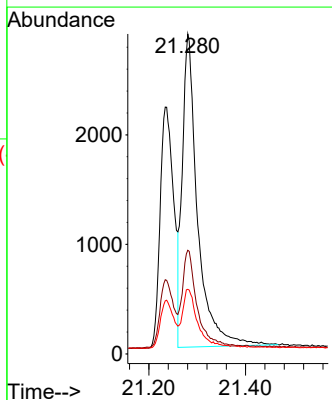
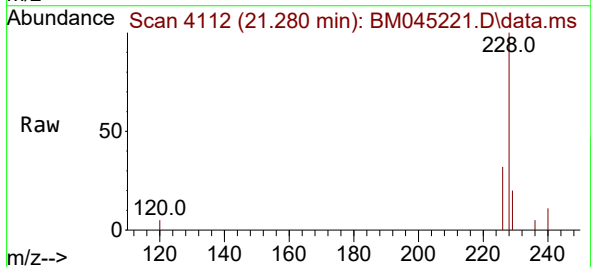
Instrument :
BNA_M
ClientSampleId :
SSTD0.4074

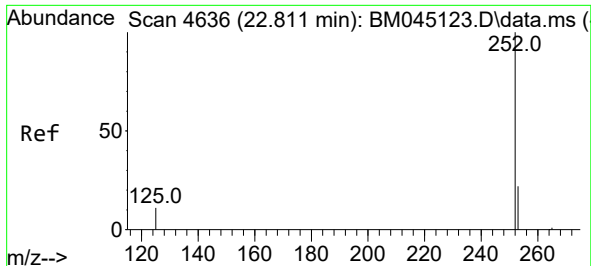
Tgt Ion:228 Resp: 4306
Ion Ratio Lower Upper
228 100
229 21.5 16.4 24.6
226 30.0 22.3 33.5



#22
Chrysene
Concen: 0.444 ng/ul
RT: 21.280 min Scan# 4112
Delta R.T. 0.003 min
Lab File: BM045221.D
Acq: 14 Apr 2024 01:29

Tgt Ion:228 Resp: 6274
Ion Ratio Lower Upper
228 100
226 32.4 24.9 37.3
229 20.2 15.9 23.9

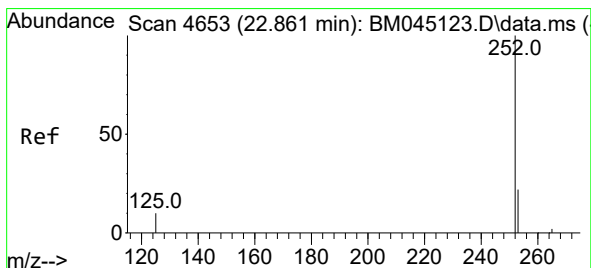
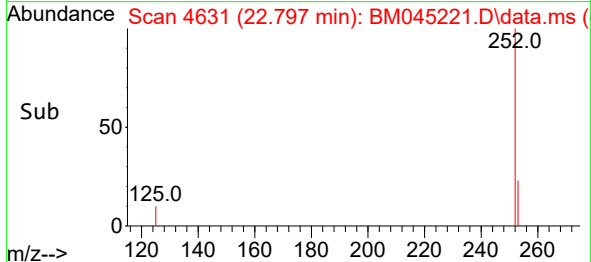
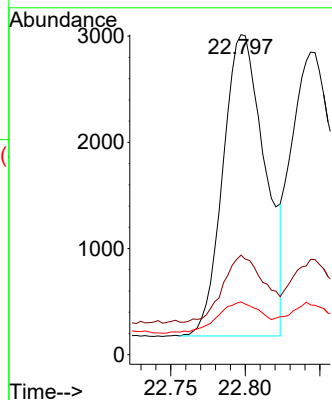
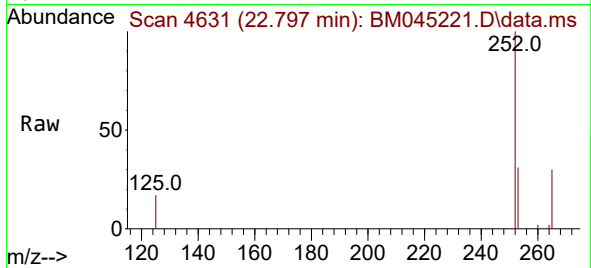




#24
Benzo(b)fluoranthene
Concen: 0.384 ng/ul
RT: 22.797 min Scan# 4631
Delta R.T. 0.003 min
Lab File: BM045221.D
Acq: 14 Apr 2024 01:29

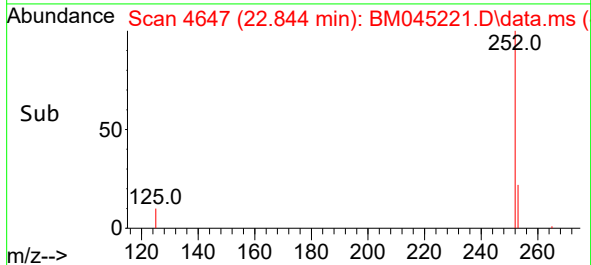
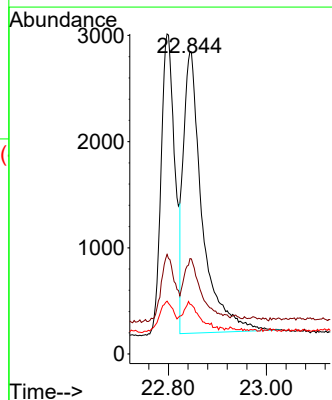
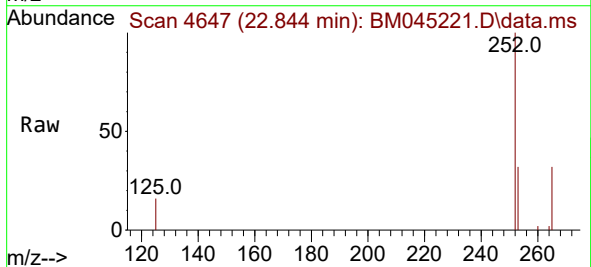
Instrument :
BNA_M
ClientSampleId :
SSTD0.4074

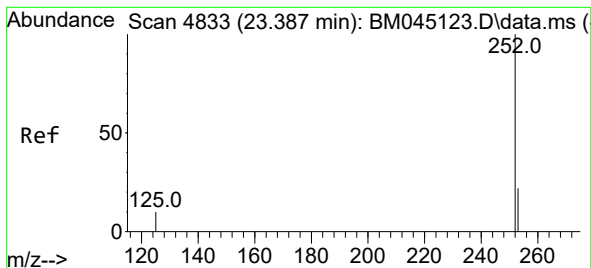
Tgt Ion:252 Resp: 5563
Ion Ratio Lower Upper
252 100
253 31.1 0.0 56.4
125 16.5 0.0 33.4



#25
Benzo(k)fluoranthene
Concen: 0.434 ng/ul
RT: 22.844 min Scan# 4647
Delta R.T. 0.003 min
Lab File: BM045221.D
Acq: 14 Apr 2024 01:29

Tgt Ion:252 Resp: 7050
Ion Ratio Lower Upper
252 100
253 31.5 22.3 33.5
125 16.5 11.6 17.4





#26

Benzo(a)pyrene

Concen: 0.406 ng/ul

RT: 23.373 min Scan# 41

Delta R.T. 0.009 min

Lab File: BM045221.D

Acq: 14 Apr 2024 01:29

Instrument :

BNA_M

ClientSampleId :

SSTD0.4074

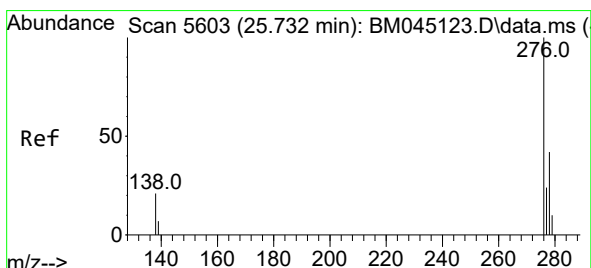
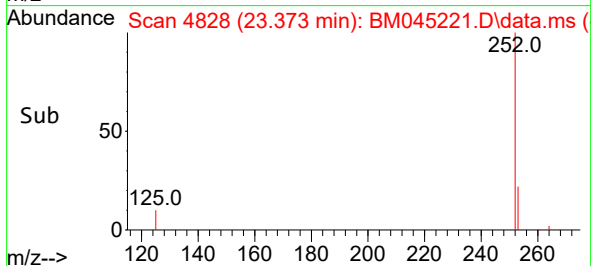
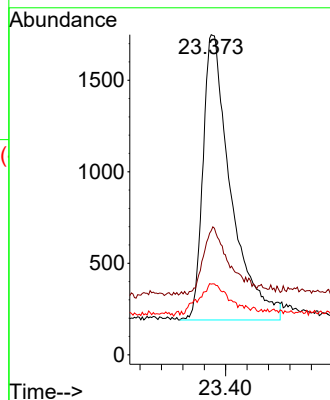
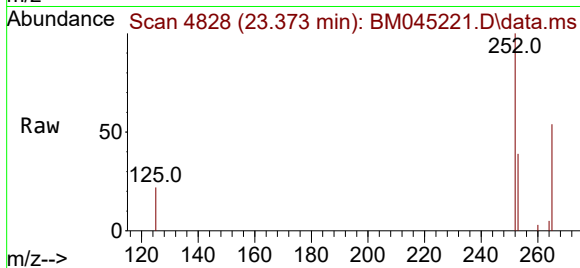
Tgt Ion:252 Resp: 5611

Ion Ratio Lower Upper

252 100

253 38.8 24.6 37.0#

125 22.1 18.2 27.4



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.377 ng/ul

RT: 25.715 min Scan# 5598

Delta R.T. 0.021 min

Lab File: BM045221.D

Acq: 14 Apr 2024 01:29

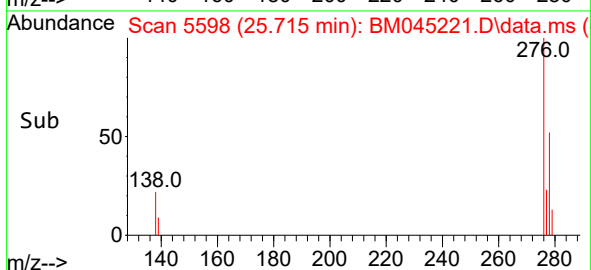
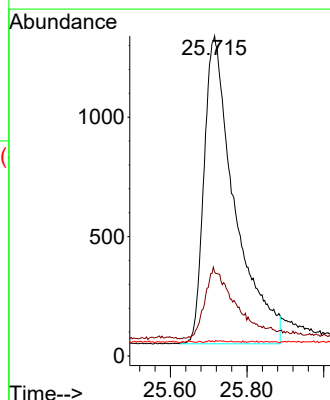
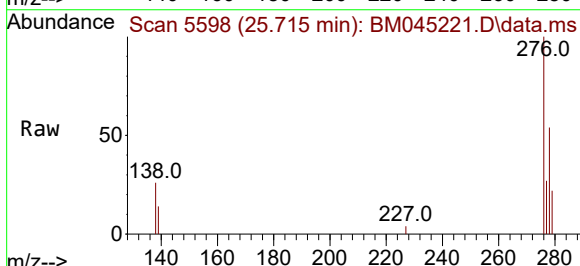
Tgt Ion:276 Resp: 7151

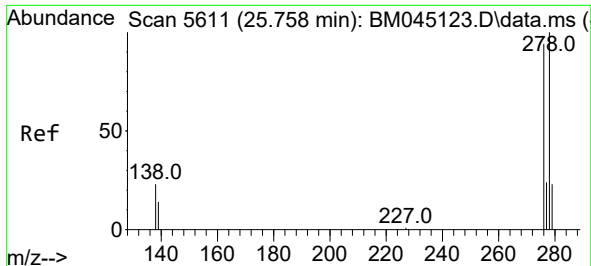
Ion Ratio Lower Upper

276 100

138 23.8 0.0 0.0#

227 0.1 0.1 0.1

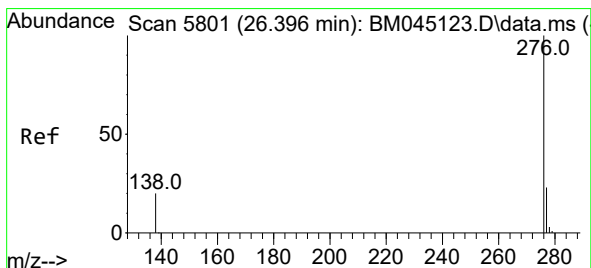
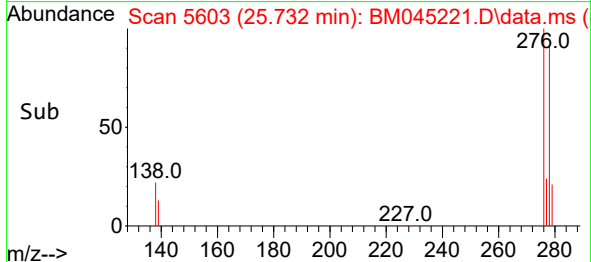
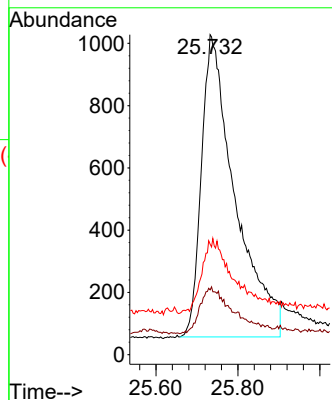
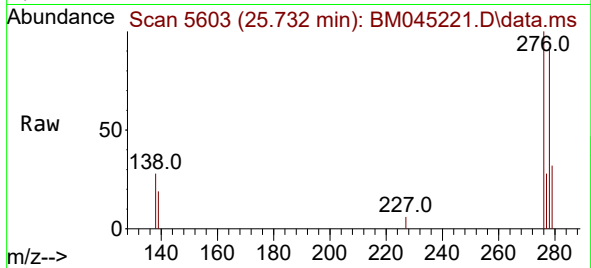




#28
Dibenzo(a,h)anthracene
Concen: 0.369 ng/ul
RT: 25.732 min Scan# 51
Delta R.T. 0.017 min
Lab File: BM045221.D
Acq: 14 Apr 2024 01:29

Instrument :
BNA_M
ClientSampleId :
SSTD0.4074

Tgt Ion:278 Resp: 5539
Ion Ratio Lower Upper
278 100
139 20.2 13.6 20.4
279 34.5 23.0 34.4#



#29
Benzo(g,h,i)perylene
Concen: 0.393 ng/ul
RT: 26.373 min Scan# 5794
Delta R.T. 0.007 min
Lab File: BM045221.D
Acq: 14 Apr 2024 01:29

Tgt Ion:276 Resp: 6422
Ion Ratio Lower Upper
276 100
138 24.6 16.8 25.2
277 27.4 20.3 30.5

