

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042524\
 Data File : BM045599.D
 Acq On : 26 Apr 2024 22:07
 Operator : MA/JU
 Sample : P2203-21MS
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E1CX4MS

Quant Time: Apr 26 23:53:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 26 23:51:18 2024
 Response via : Initial Calibration

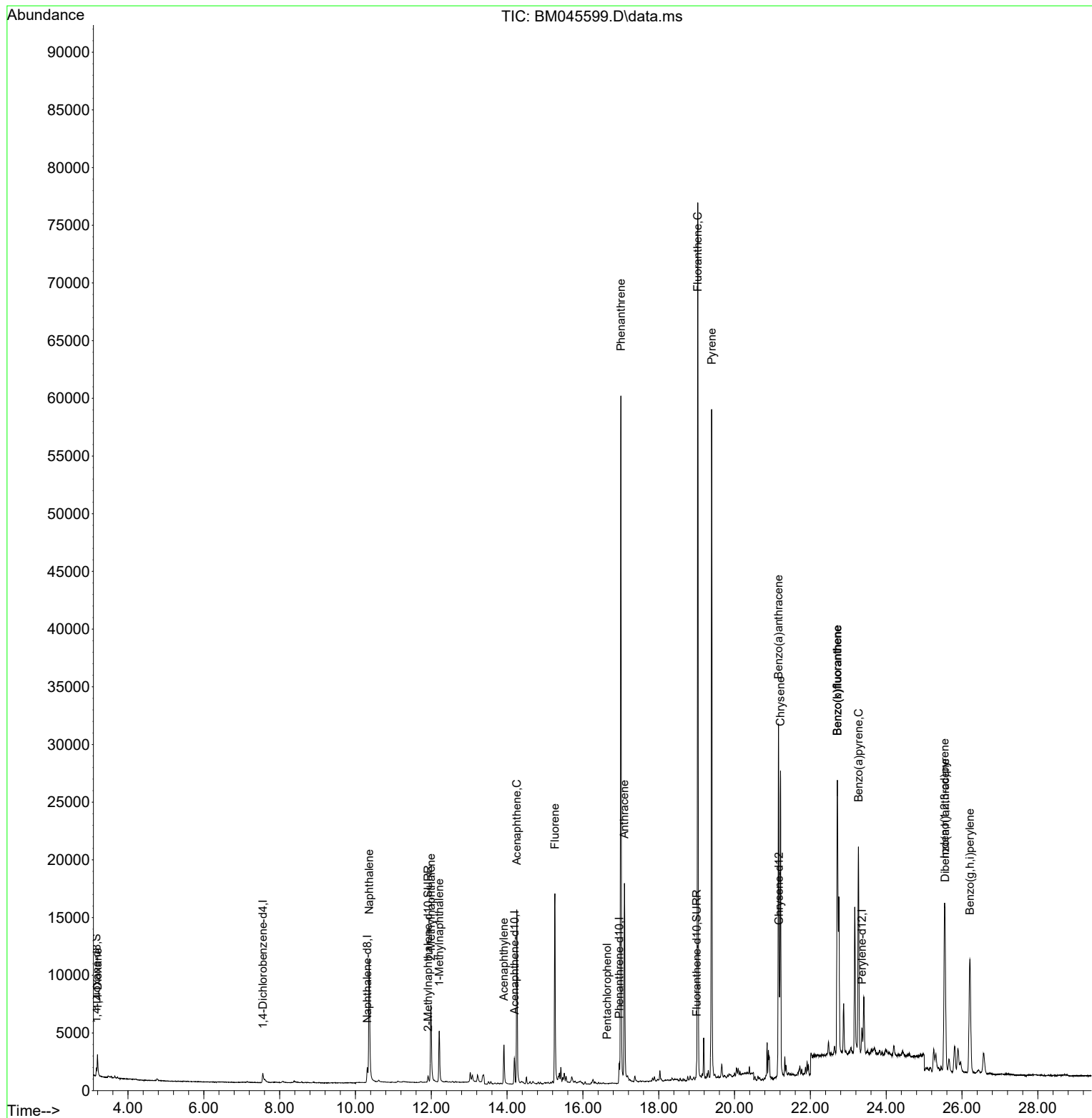
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.555	152	831	0.400	ng/ul	0.00
4) Naphthalene-d8	10.314	136	2319	0.400	ng/ul	#-0.02
9) Acenaphthene-d10	14.196	164	1134	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.959	188	2163	0.400	ng/ul	-0.02
17) Chrysene-d12	21.175	240	1950	0.400	ng/ul	#-0.02
23) Perylene-d12	23.361	264	2870	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.167	96	494	0.444	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.914	152	897	0.293	ng/ul	-0.02
18) Fluoranthene-d10	19.001	212	1508	0.246	ng/ul	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.197	88	1352	1.262	ng/ul#	76
5) Naphthalene	10.364	128	19434	3.121	ng/ul#	87
7) 2-Methylnaphthalene	11.991	142	6217	1.748	ng/ul	96
8) 1-Methylnaphthalene	12.211	142	3470	0.870	ng/ul	99
10) Acenaphthylene	13.918	152	4698	0.840	ng/ul	97
11) Acenaphthene	14.256	153	9340	2.249	ng/ul	96
12) Fluorene	15.260	166	11460	2.580	ng/ul#	97
14) Pentachlorophenol	16.642	266	17	0.039	ng/ul#	22
15) Phenanthrene	17.001	178	63858	10.137	ng/ul	92
16) Anthracene	17.094	178	21917	3.719	ng/ul#	91
19) Fluoranthene	19.029	202	67121	7.459	ng/ul#	89
20) Pyrene	19.396	202	50073	5.414	ng/ul#	91
21) Benzo(a)anthracene	21.158	228	25925	4.159	ng/ul	96
22) Chrysene	21.210	228	25655	2.677	ng/ul	99
24) Benzo(b)fluoranthene	22.712	252	38874	4.027	ng/ul	91
25) Benzo(k)fluoranthene	22.712	252	38934	3.192	ng/ul#	91
26) Benzo(a)pyrene	23.268	252	24390	2.436	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	25.541	276	22400	1.539	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.554	278	8263	0.716	ng/ul#	91
29) Benzo(g,h,i)perylene	26.205	276	20875	1.596	ng/ul	96

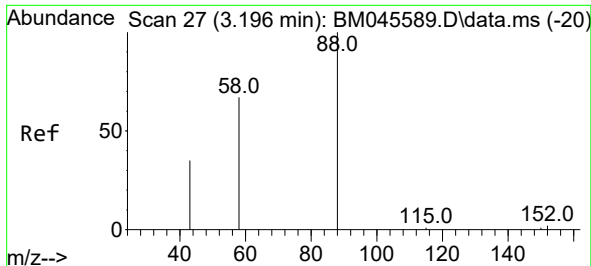
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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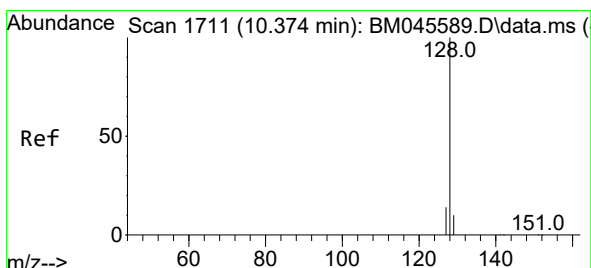
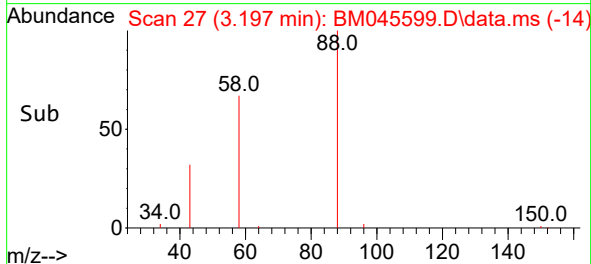
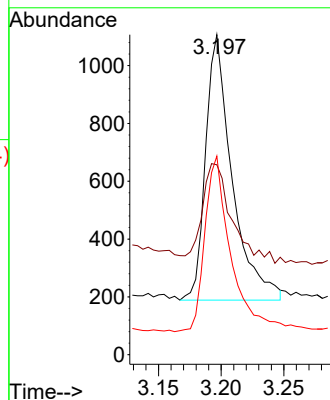
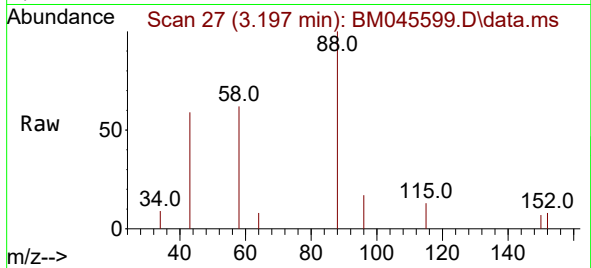




#2
1,4-Dioxane
Concen: 1.262 ng/ul
RT: 3.197 min Scan# 21
Delta R.T. -0.004 min
Lab File: BM045599.D
Acq: 26 Apr 2024 22:07

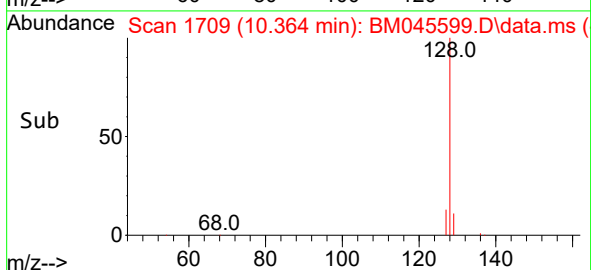
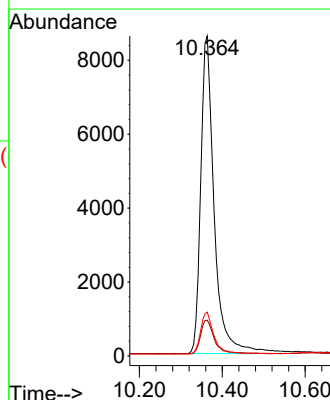
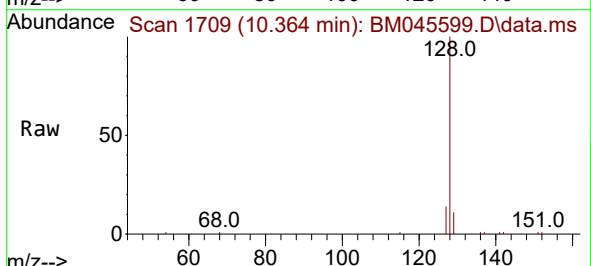
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

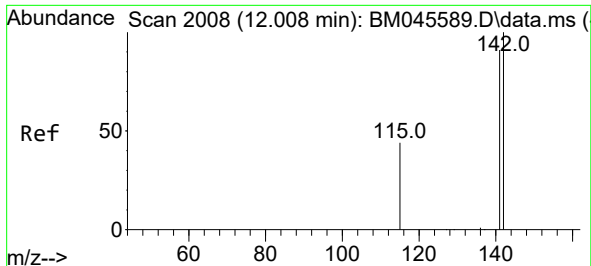
Tgt Ion: 88 Resp: 1352
Ion Ratio Lower Upper
88 100
43 59.3 36.8 55.2#
58 62.1 35.4 53.2#



#5
Naphthalene
Concen: 3.121 ng/ul
RT: 10.364 min Scan# 1709
Delta R.T. -0.016 min
Lab File: BM045599.D
Acq: 26 Apr 2024 22:07

Tgt Ion: 128 Resp: 19434
Ion Ratio Lower Upper
128 100
129 11.2 14.0 21.0#
127 13.7 15.4 23.2#

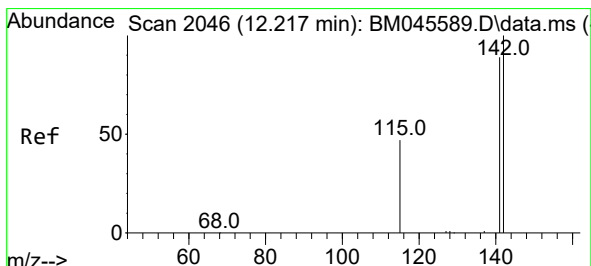
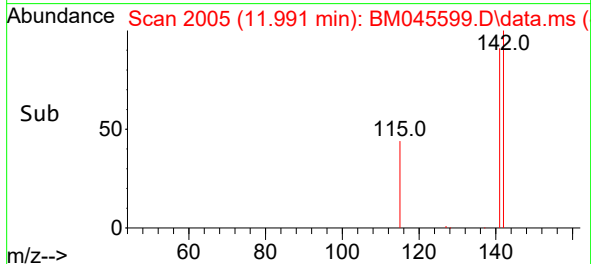
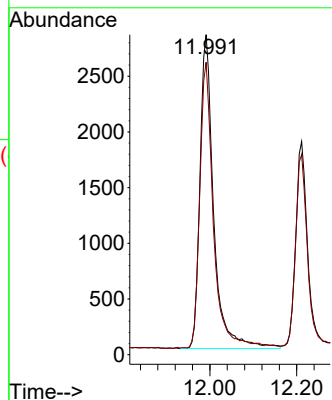
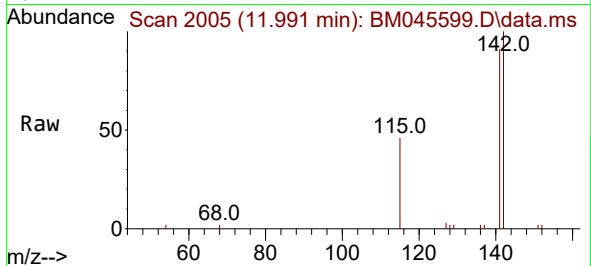




#7
2-Methylnaphthalene
Concen: 1.748 ng/ul
RT: 11.991 min Scan# 2005
Delta R.T. -0.016 min
Lab File: BM045599.D
Acq: 26 Apr 2024 22:07

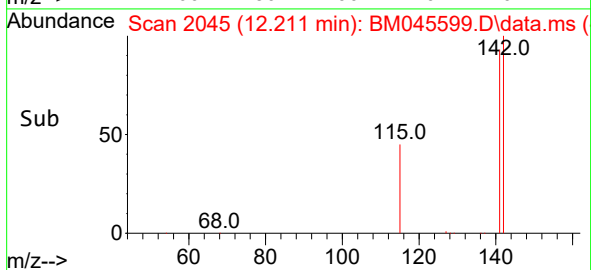
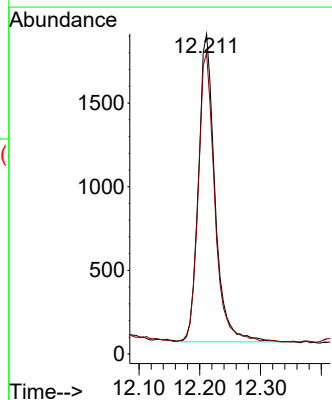
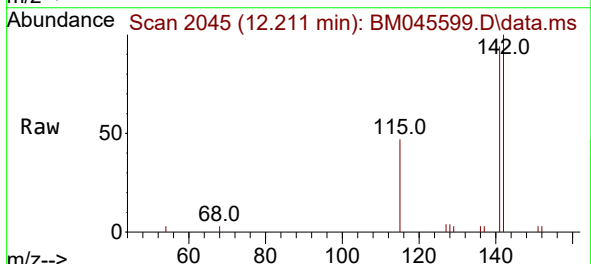
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

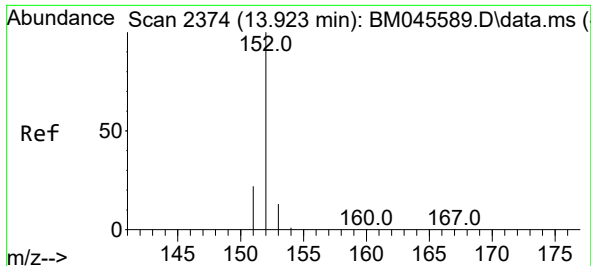
Tgt Ion:142 Resp: 6217
Ion Ratio Lower Upper
142 100
141 89.8 74.6 111.8



#8
1-Methylnaphthalene
Concen: 0.870 ng/ul
RT: 12.211 min Scan# 2045
Delta R.T. -0.011 min
Lab File: BM045599.D
Acq: 26 Apr 2024 22:07

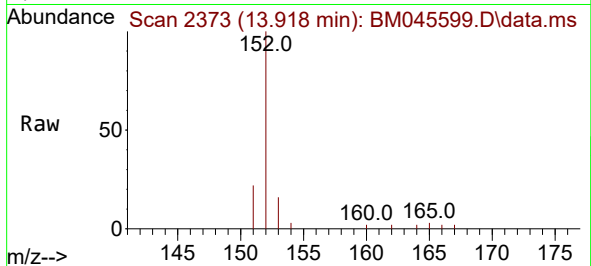
Tgt Ion:142 Resp: 3470
Ion Ratio Lower Upper
142 100
141 93.8 76.1 114.1



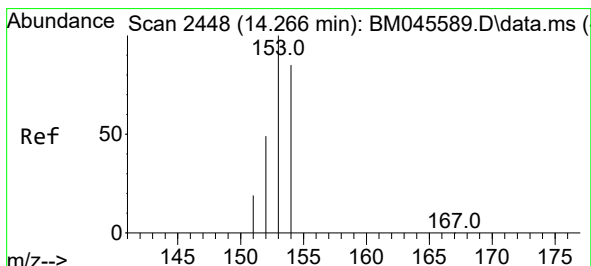
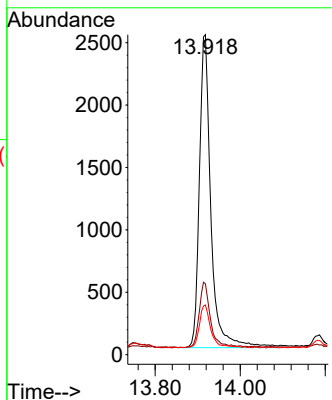
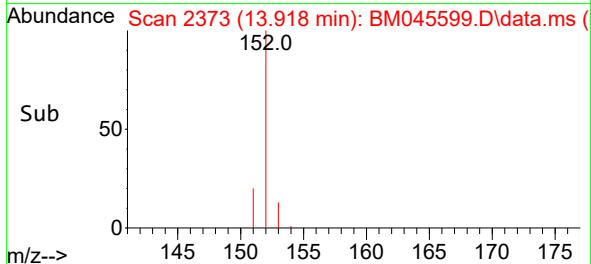


#10
Acenaphthylene
Concen: 0.840 ng/ul
RT: 13.918 min Scan# 21
Delta R.T. -0.009 min
Lab File: BM045599.D
Acq: 26 Apr 2024 22:07

Instrument :
BNA_N
ClientSampleId :
E1CX4MS

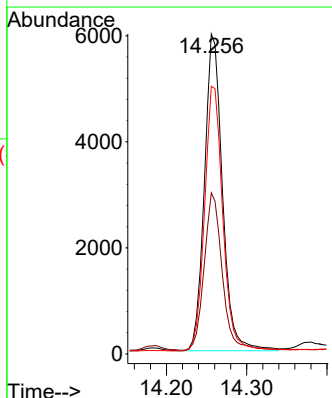
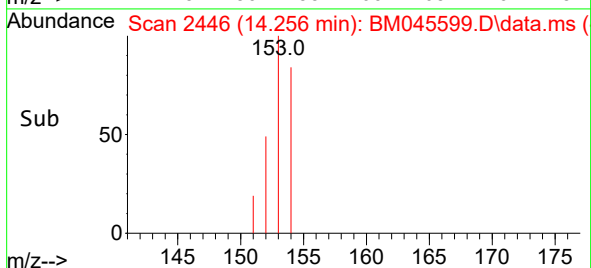
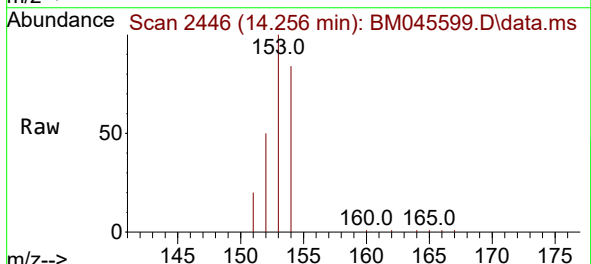


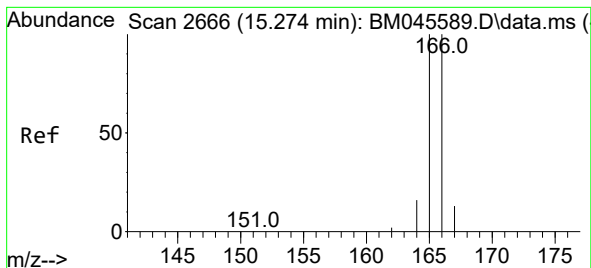
Tgt Ion:152 Resp: 4698
Ion Ratio Lower Upper
152 100
151 22.2 18.6 28.0
153 15.6 14.1 21.1



#11
Acenaphthene
Concen: 2.249 ng/ul
RT: 14.256 min Scan# 2446
Delta R.T. -0.014 min
Lab File: BM045599.D
Acq: 26 Apr 2024 22:07

Tgt Ion:153 Resp: 9340
Ion Ratio Lower Upper
153 100
152 50.4 43.4 65.2
154 83.7 69.0 103.6





#12

Fluorene

Concen: 2.580 ng/ul

RT: 15.260 min Scan# 2

Delta R.T. -0.018 min

Lab File: BM045599.D

Acq: 26 Apr 2024 22:07

Instrument :

BNA_N

ClientSampleId :

E1CX4MS

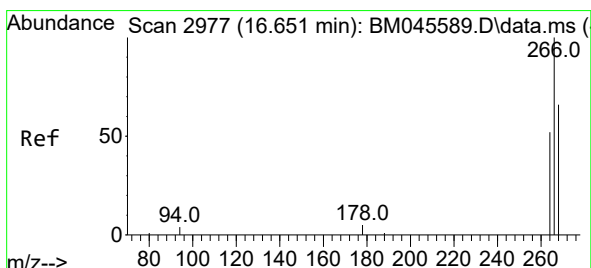
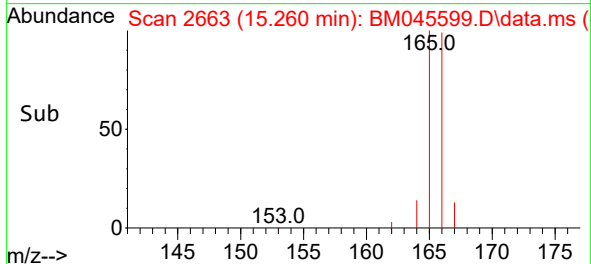
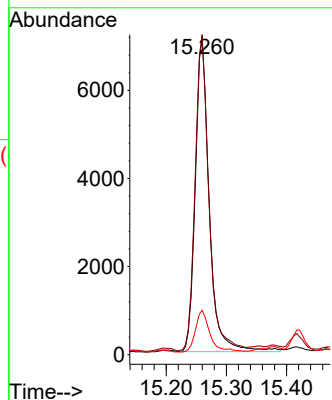
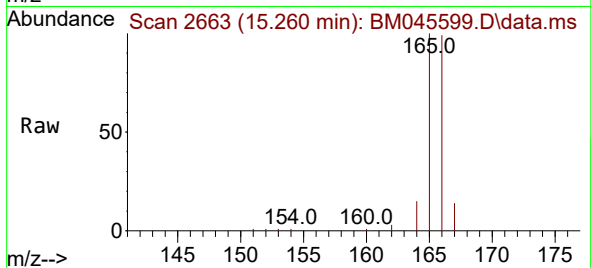
Tgt Ion:166 Resp: 11460

Ion Ratio Lower Upper

166 100

165 101.4 82.2 123.2

167 14.0 14.8 22.2#



#14

Pentachlorophenol

Concen: 0.039 ng/ul

RT: 16.642 min Scan# 2975

Delta R.T. -0.008 min

Lab File: BM045599.D

Acq: 26 Apr 2024 22:07

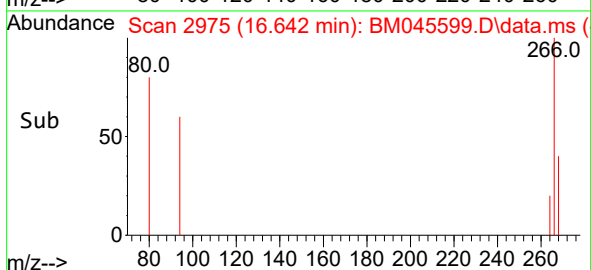
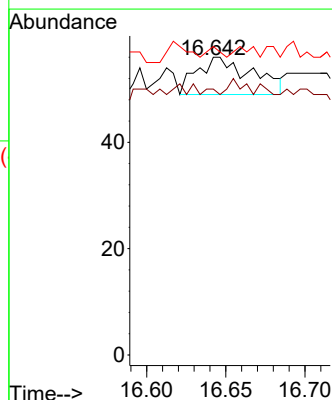
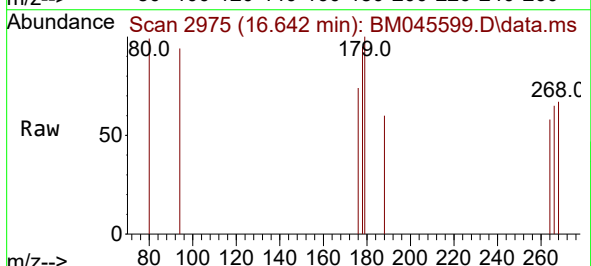
Tgt Ion:266 Resp: 17

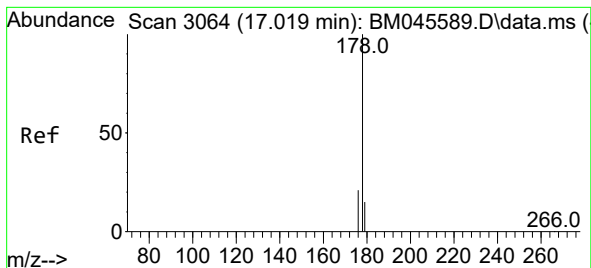
Ion Ratio Lower Upper

266 100

264 0.0 45.5 68.3#

268 5.9 56.1 84.1#





#15

Phenanthrene

Concen: 10.137 ng/ul

RT: 17.001 min Scan# 3060

Delta R.T. -0.021 min

Lab File: BM045599.D

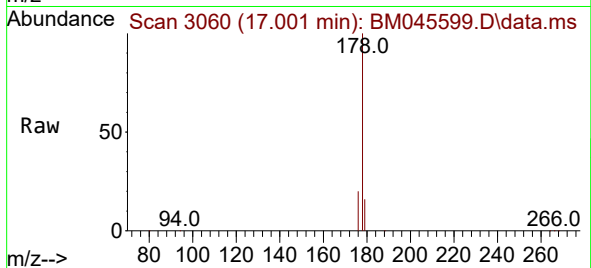
Acq: 26 Apr 2024 22:07

Instrument :

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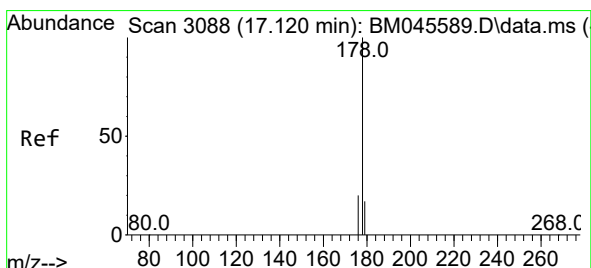
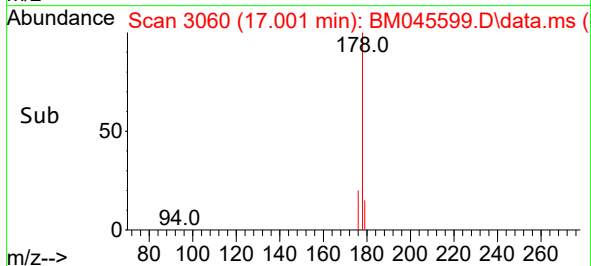
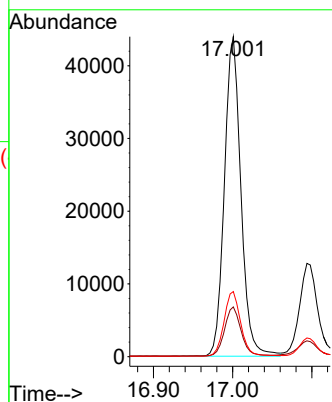
Tgt Ion:178 Resp: 63858

Ion Ratio Lower Upper

178 100

179 15.5 15.4 23.2

176 20.3 19.0 28.4



#16

Anthracene

Concen: 3.719 ng/ul

RT: 17.094 min Scan# 3082

Delta R.T. -0.025 min

Lab File: BM045599.D

Acq: 26 Apr 2024 22:07

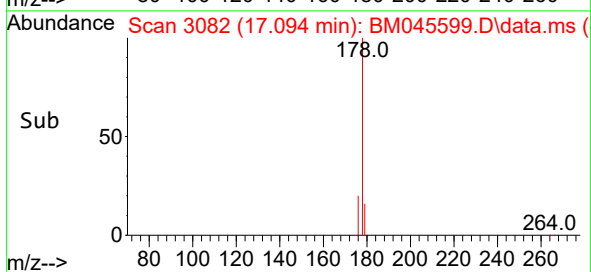
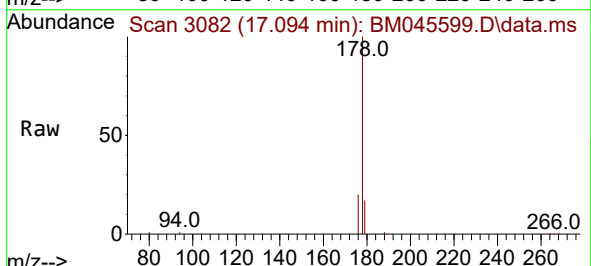
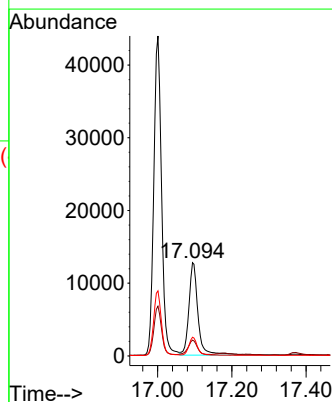
Tgt Ion:178 Resp: 21917

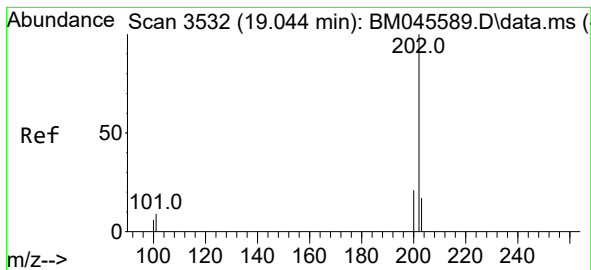
Ion Ratio Lower Upper

178 100

179 16.9 17.8 26.6#

176 20.1 18.7 28.1





#19

Fluoranthene

Concen: 7.459 ng/ul

RT: 19.029 min Scan# 3

Delta R.T. -0.019 min

Lab File: BM045599.D

Acq: 26 Apr 2024 22:07

Instrument :

BNA_N

ClientSampleId :

E1CX4MS

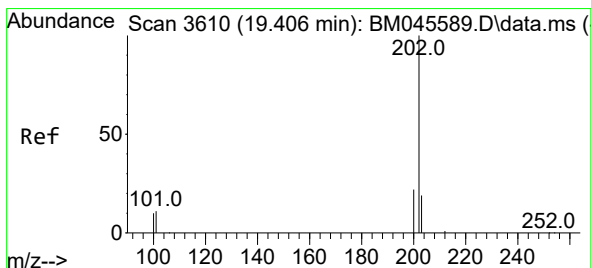
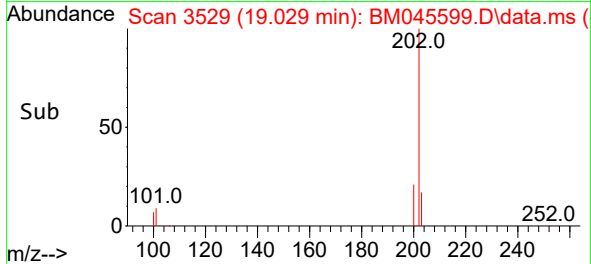
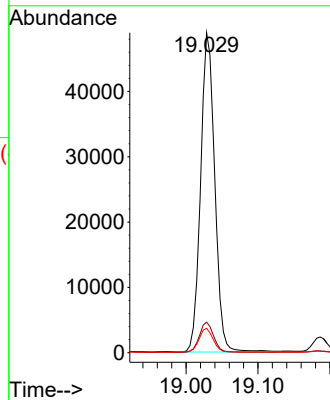
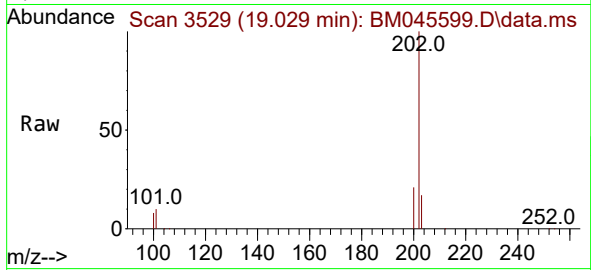
Tgt Ion:202 Resp: 67121

Ion Ratio Lower Upper

202 100

101 9.5 11.2 16.8#

100 7.6 9.1 13.7#



#20

Pyrene

Concen: 5.414 ng/ul

RT: 19.396 min Scan# 3608

Delta R.T. -0.019 min

Lab File: BM045599.D

Acq: 26 Apr 2024 22:07

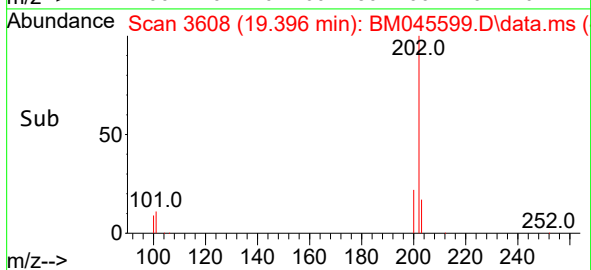
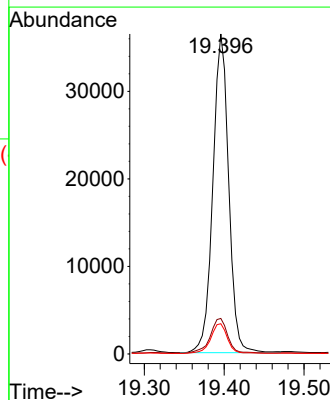
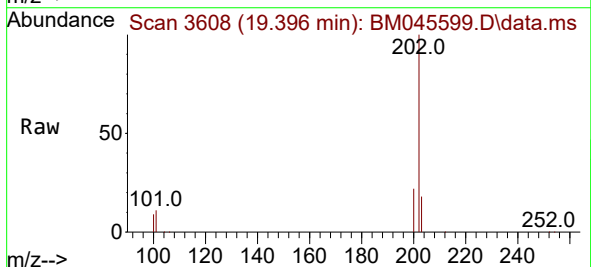
Tgt Ion:202 Resp: 50073

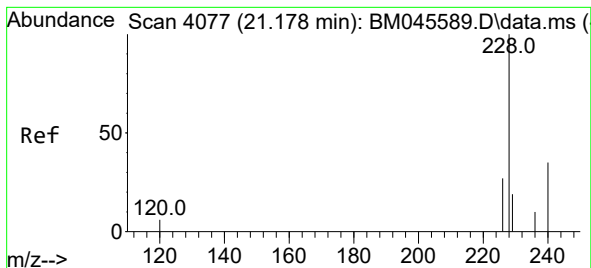
Ion Ratio Lower Upper

202 100

101 11.1 11.5 17.3#

100 9.5 10.6 15.8#





#21

Benzo(a)anthracene

Concen: 4.159 ng/ul

RT: 21.158 min Scan# 4070

Delta R.T. -0.024 min

Lab File: BM045599.D

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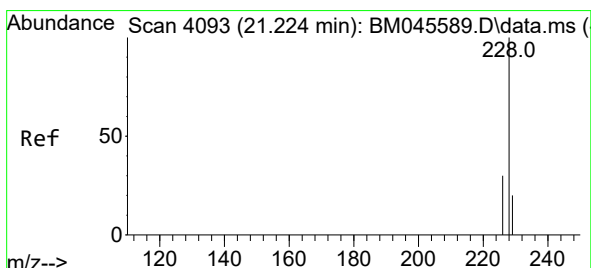
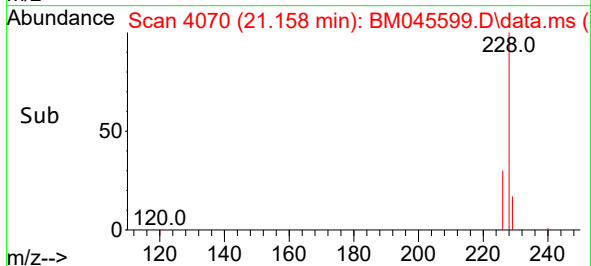
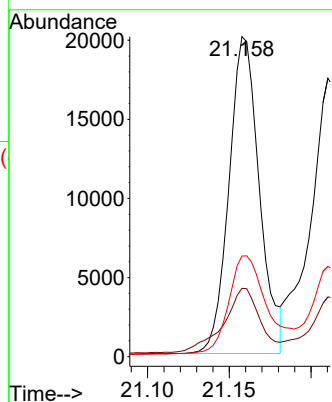
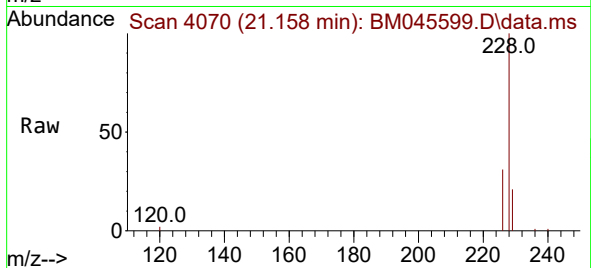
Tgt Ion:228 Resp: 25925

Ion Ratio Lower Upper

228 100

229 21.3 19.4 29.2

226 31.4 26.3 39.5



#22

Chrysene

Concen: 2.677 ng/ul

RT: 21.210 min Scan# 4088

Delta R.T. -0.018 min

Lab File: BM045599.D

Acq: 26 Apr 2024 22:07

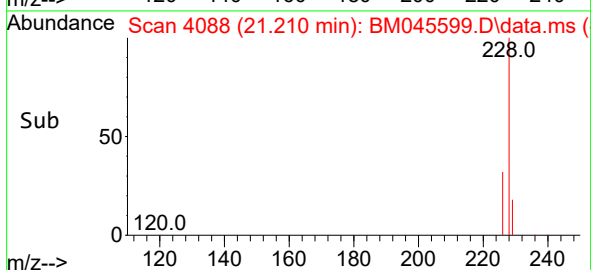
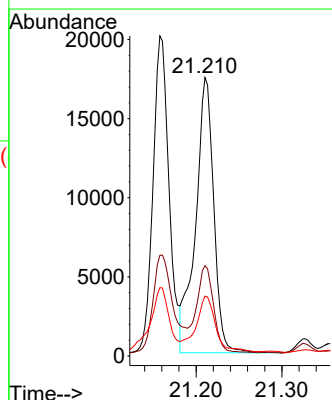
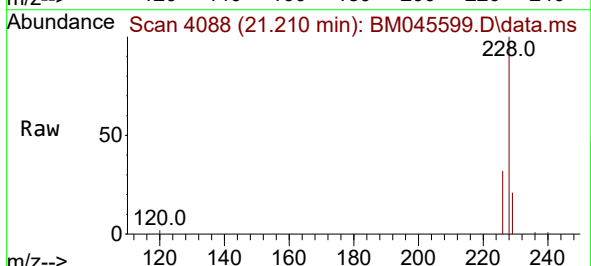
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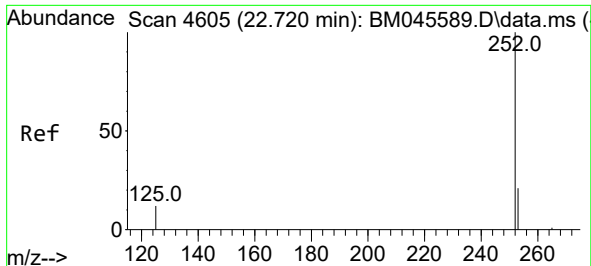
Ion Ratio Lower Upper

228 100

226 32.4 26.3 39.5

229 21.5 17.8 26.8

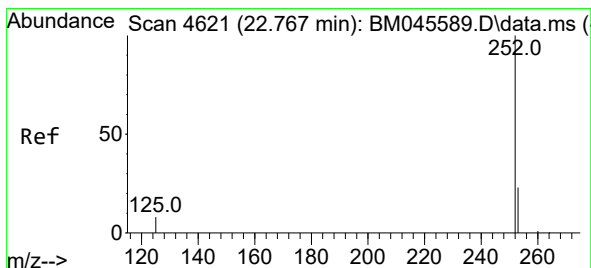
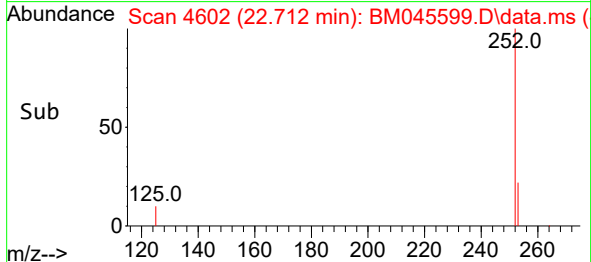
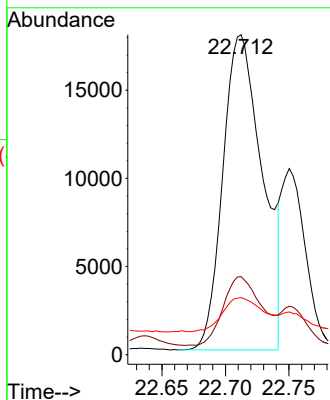
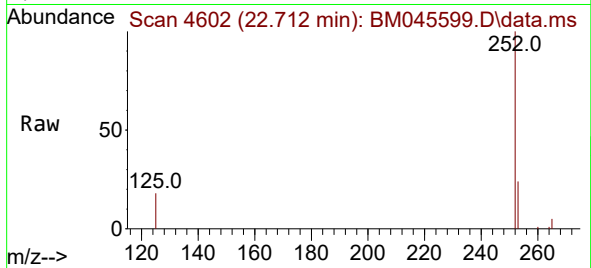




#24
Benzo(b)fluoranthene
Concen: 4.027 ng/ul
RT: 22.712 min Scan# 4602
Delta R.T. -0.018 min
Lab File: BM045599.D
Acq: 26 Apr 2024 22:07

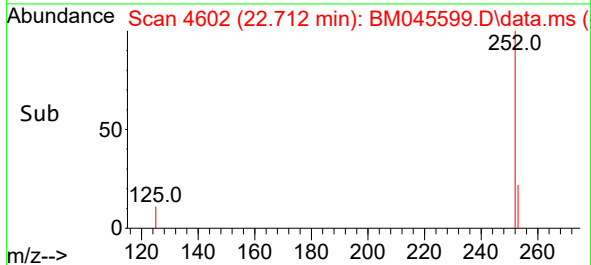
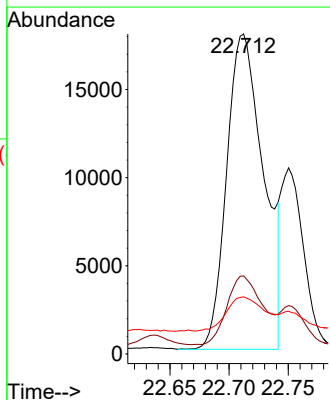
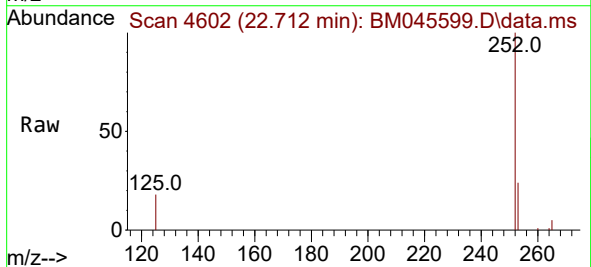
Instrument :
BNA_N
ClientSampleId :
E1CX4MS

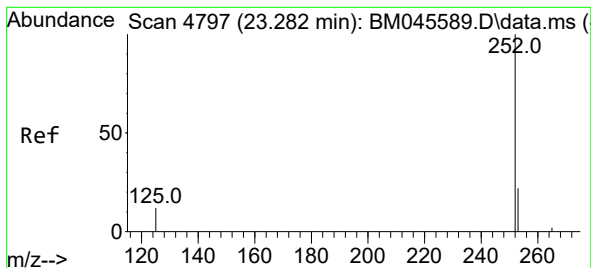
Tgt Ion:252 Resp: 38874
Ion Ratio Lower Upper
252 100
253 24.4 0.0 63.4
125 17.9 0.0 36.8



#25
Benzo(k)fluoranthene
Concen: 3.192 ng/ul
RT: 22.712 min Scan# 4602
Delta R.T. -0.059 min
Lab File: BM045599.D
Acq: 26 Apr 2024 22:07

Tgt Ion:252 Resp: 38934
Ion Ratio Lower Upper
252 100
253 24.4 25.4 38.0#
125 17.9 14.8 22.2





#26

Benzo(a)pyrene

Concen: 2.436 ng/ul

RT: 23.268 min Scan# 4792

Delta R.T. -0.024 min

Lab File: BM045599.D

Acq: 26 Apr 2024 22:07

Instrument :

BNA_N

ClientSampleId :

E1CX4MS

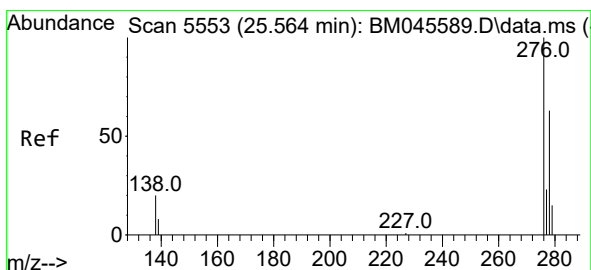
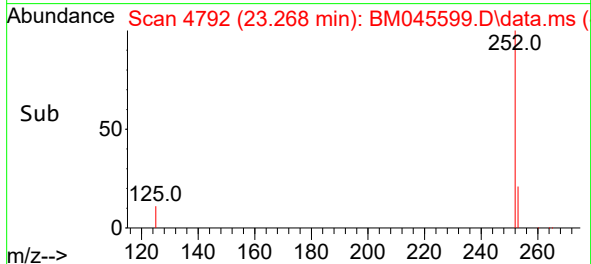
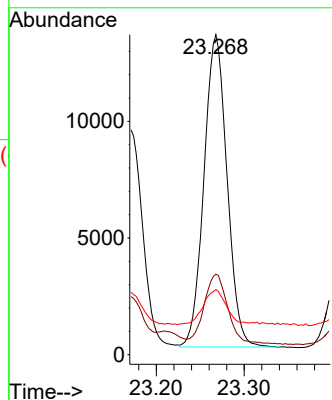
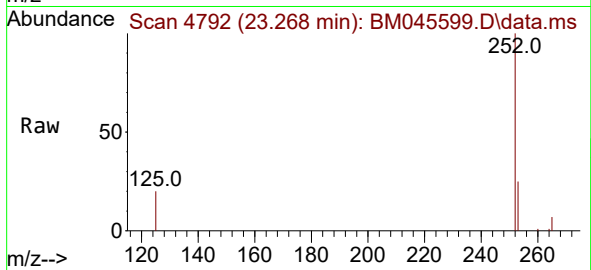
Tgt Ion:252 Resp: 24390

Ion Ratio Lower Upper

252 100

253 25.2 31.6 47.4#

125 20.3 19.5 29.3



#27

Indeno(1,2,3-cd)pyrene

Concen: 1.539 ng/ul

RT: 25.541 min Scan# 5546

Delta R.T. -0.030 min

Lab File: BM045599.D

Acq: 26 Apr 2024 22:07

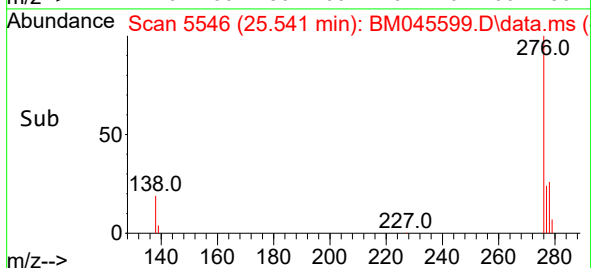
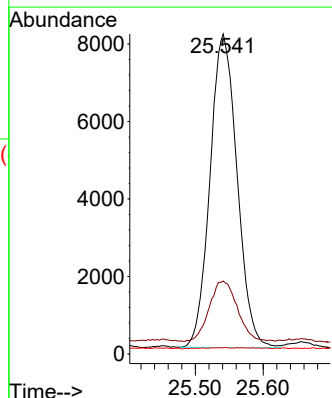
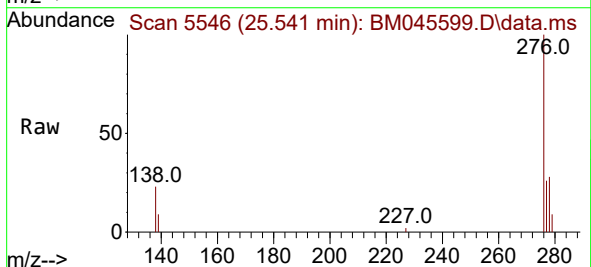
Tgt Ion:276 Resp: 22400

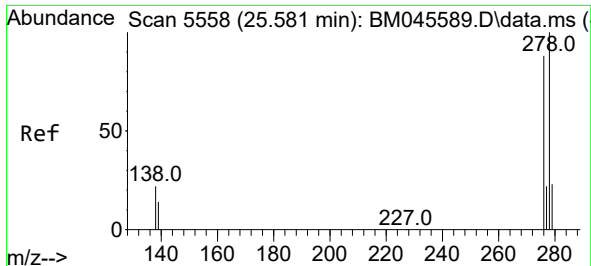
Ion Ratio Lower Upper

276 100

138 20.1 19.8 29.6

227 0.1 0.2 0.2#

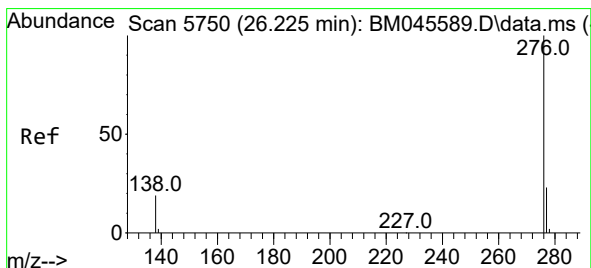
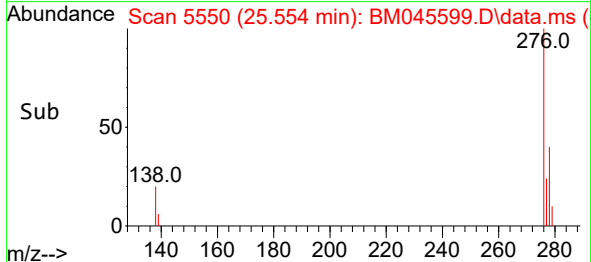
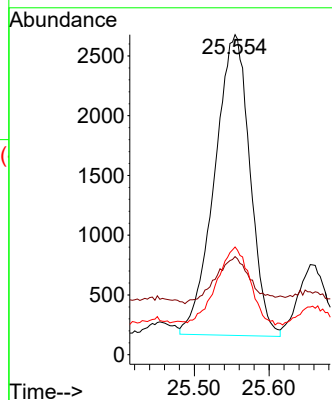
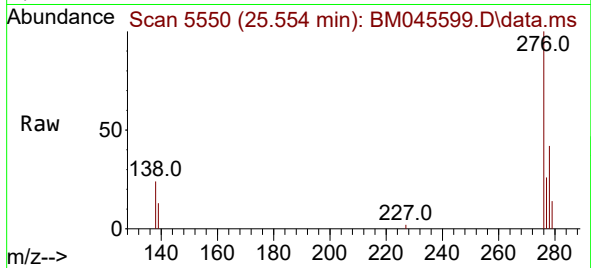




#28
Dibenzo(a,h)anthracene
Concen: 0.716 ng/ul
RT: 25.554 min Scan# 51
Delta R.T. -0.034 min
Lab File: BM045599.D
Acq: 26 Apr 2024 22:07

Instrument :
BNA_N
ClientSampleId :
E1CX4MS

Tgt Ion:278 Resp: 8263
Ion Ratio Lower Upper
278 100
139 30.7 19.0 28.6#
279 33.7 29.4 44.2



#29
Benzo(g,h,i)perylene
Concen: 1.596 ng/ul
RT: 26.205 min Scan# 5744
Delta R.T. -0.030 min
Lab File: BM045599.D
Acq: 26 Apr 2024 22:07

Tgt Ion:276 Resp: 20875
Ion Ratio Lower Upper
276 100
138 24.1 20.8 31.2
277 25.1 21.8 32.8

