

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041072.D
 Acq On : 24 Jul 2023 12:35
 Operator : MA/JU
 Sample : SST0.101
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SST0.1036

Quant Time: Jul 25 00:07:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 24 16:22:33 2023
 Response via : Initial Calibration

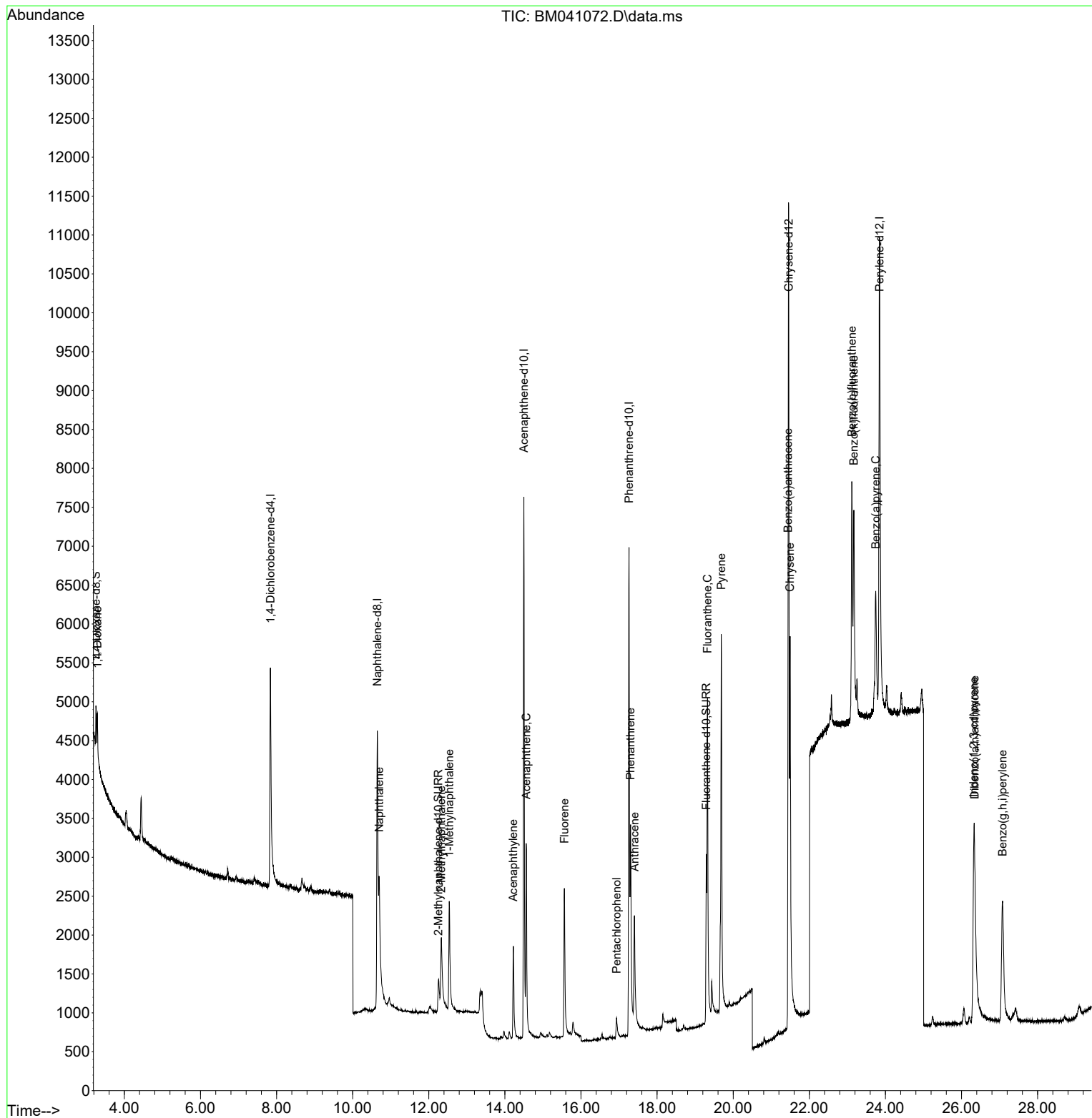
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	2426	0.400	ng/ul	0.00
4) Naphthalene-d8	10.647	136	8112	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.499	164	4406	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.261	188	9388	0.400	ng/ul	0.00
17) Chrysene-d12	21.457	240	10620	0.400	ng/ul	0.00
23) Perylene-d12	23.845	264	10230	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.254	96	452	0.121	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.253	152	1163	0.100	ng/ul	0.00
18) Fluoranthene-d10	19.292	212	2965	0.103	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.292	88	426	0.111	ng/ul#	15
5) Naphthalene	10.697	128	3529	0.134	ng/ul#	89
7) 2-Methylnaphthalene	12.330	142	1323	0.102	ng/ul	96
8) 1-Methylnaphthalene	12.539	142	1356	0.102	ng/ul	99
10) Acenaphthylene	14.222	152	1932	0.104	ng/ul#	90
11) Acenaphthene	14.560	153	1620	0.103	ng/ul	97
12) Fluorene	15.563	166	1804	0.105	ng/ul#	97
14) Pentachlorophenol	16.936	266	289	0.106	ng/ul	89
15) Phenanthrene	17.303	178	3183	0.110	ng/ul#	93
16) Anthracene	17.405	178	2446	0.104	ng/ul#	89
19) Fluoranthene	19.324	202	4277	0.112	ng/ul#	94
20) Pyrene	19.687	202	4932	0.118	ng/ul	94
21) Benzo(a)anthracene	21.442	228	4135	0.116	ng/ul	97
22) Chrysene	21.495	228	5109	0.125	ng/ul	97
24) Benzo(b)fluoranthene	23.117	252	4688	0.115	ng/ul	73
25) Benzo(k)fluoranthene	23.170	252	4184	0.108	ng/ul#	68
26) Benzo(a)pyrene	23.743	252	3391	0.103	ng/ul#	54
27) Indeno(1,2,3-cd)pyrene	26.320	276	5044	0.103	ng/ul	99
28) Dibenzo(a,h)anthracene	26.344	278	3913	0.102	ng/ul#	66
29) Benzo(g,h,i)perylene	27.078	276	4517	0.103	ng/ul#	87

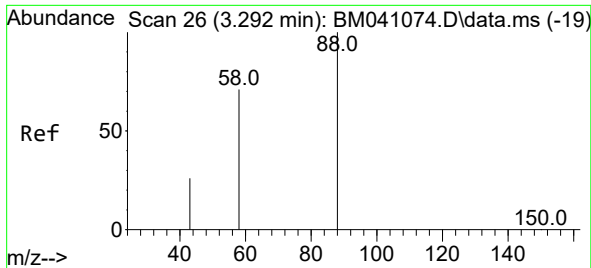
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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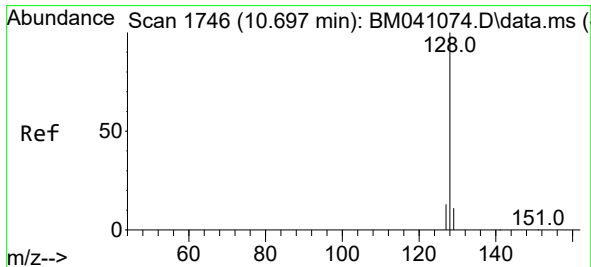
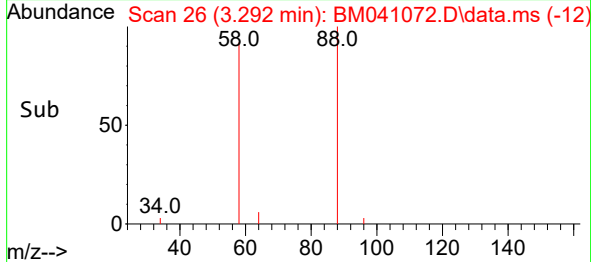
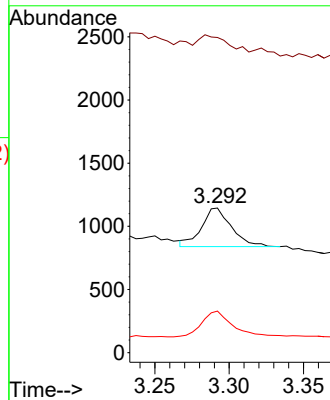
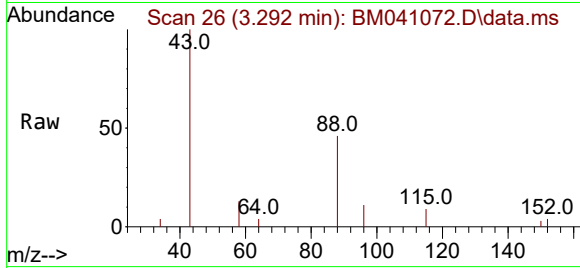




#2
1,4-Dioxane
Concen: 0.111 ng/ul
RT: 3.292 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM041072.D
Acq: 24 Jul 2023 12:35

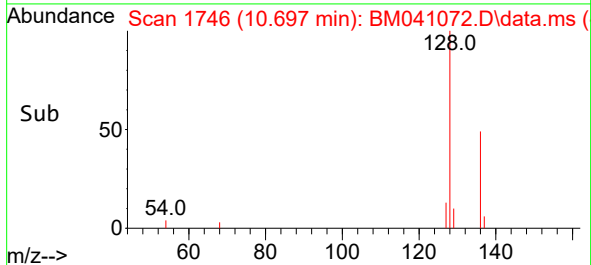
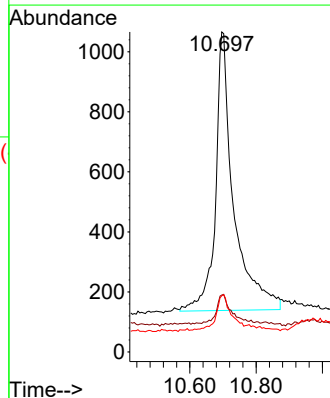
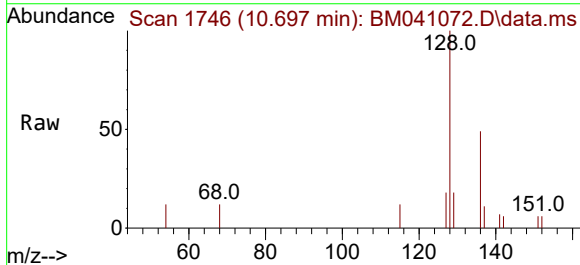
Instrument :
BNA_M
ClientSampleId :
SSTD0.1036

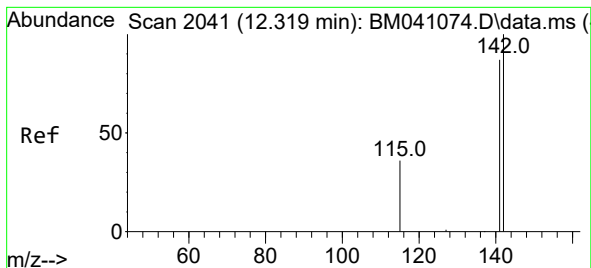
Tgt Ion: 88 Resp: 426
Ion Ratio Lower Upper
88 100
43 217.9 83.1 124.7#
58 28.7 38.8 58.2#



#5
Naphthalene
Concen: 0.134 ng/ul
RT: 10.697 min Scan# 1746
Delta R.T. -0.000 min
Lab File: BM041072.D
Acq: 24 Jul 2023 12:35

Tgt Ion: 128 Resp: 3529
Ion Ratio Lower Upper
128 100
129 17.8 9.8 14.8#
127 17.5 11.1 16.7#

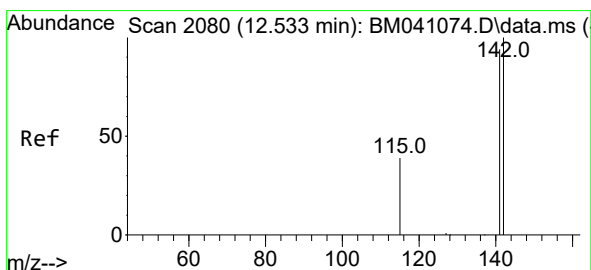
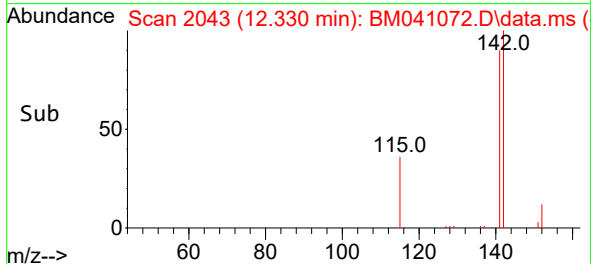
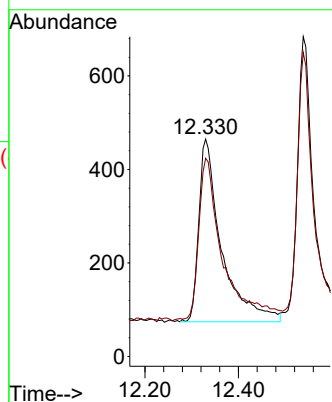
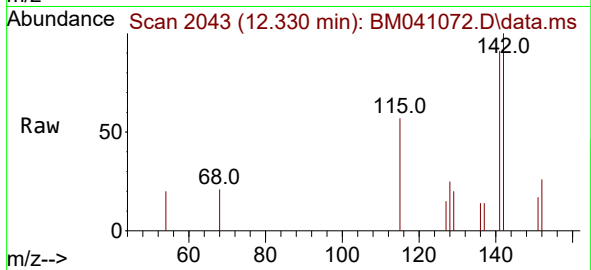




#7
2-Methylnaphthalene
Concen: 0.102 ng/ul
RT: 12.330 min Scan# 2043
Delta R.T. 0.011 min
Lab File: BM041072.D
Acq: 24 Jul 2023 12:35

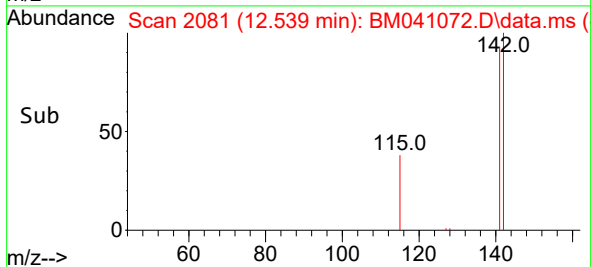
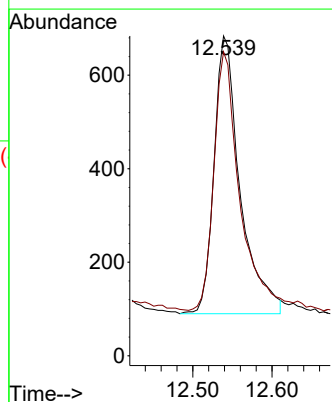
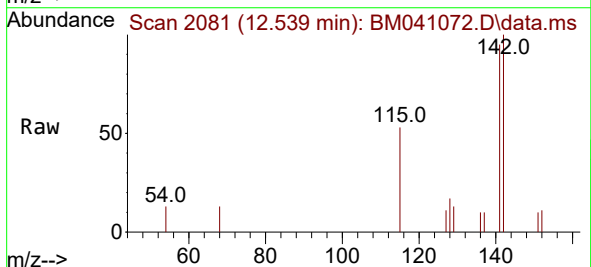
Instrument :
BNA_M
ClientSampleId :
SSTD0.1036

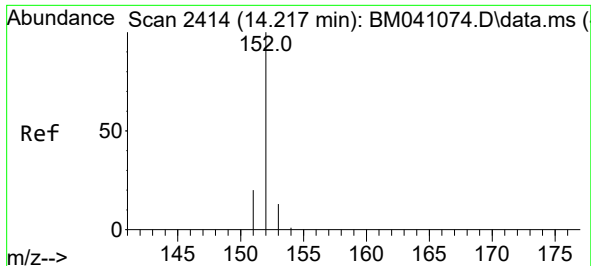
Tgt Ion:142 Resp: 1323
Ion Ratio Lower Upper
142 100
141 95.3 73.3 109.9



#8
1-Methylnaphthalene
Concen: 0.102 ng/ul
RT: 12.539 min Scan# 2081
Delta R.T. 0.005 min
Lab File: BM041072.D
Acq: 24 Jul 2023 12:35

Tgt Ion:142 Resp: 1356
Ion Ratio Lower Upper
142 100
141 91.4 73.6 110.4

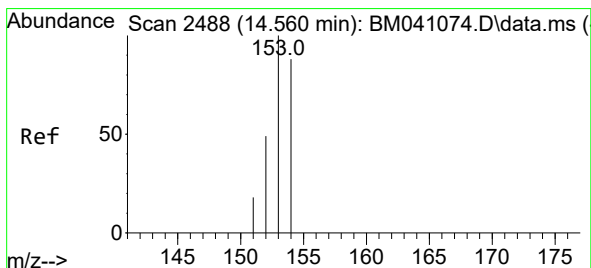
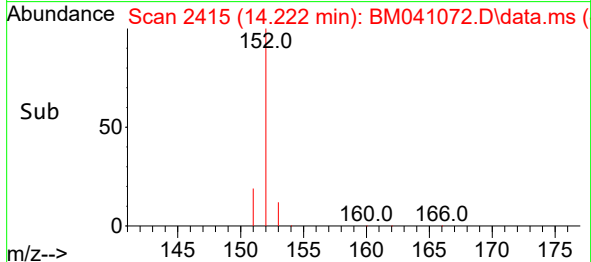
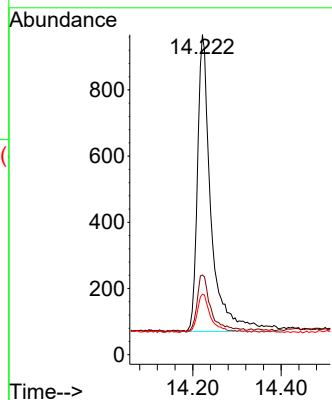
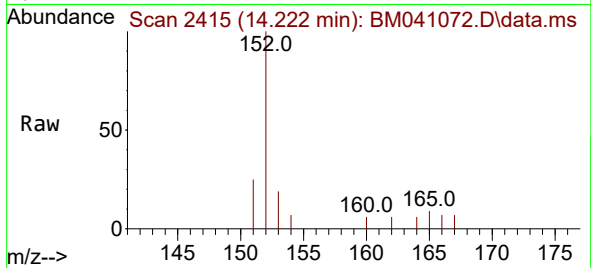




#10
Acenaphthylene
Concen: 0.104 ng/ul
RT: 14.222 min Scan# 2415
Delta R.T. 0.005 min
Lab File: BM041072.D
Acq: 24 Jul 2023 12:35

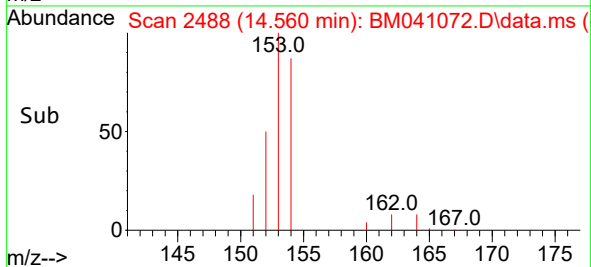
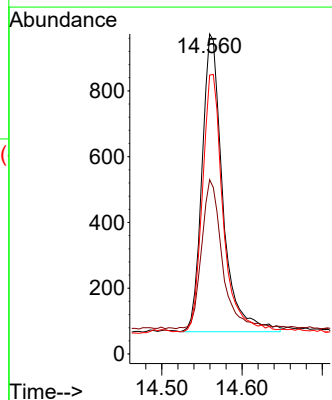
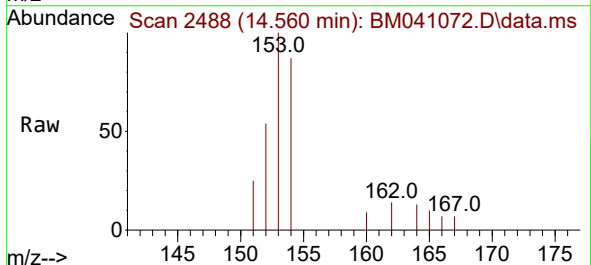
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ClientSampleId :
SSTD0.1036

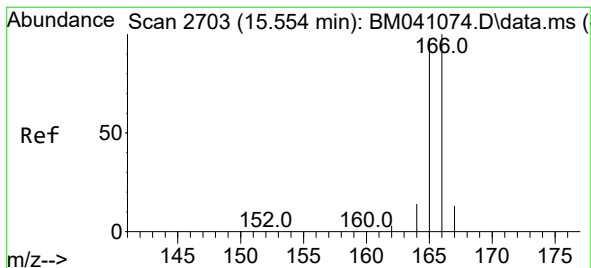
Tgt Ion:152 Resp: 1932
Ion Ratio Lower Upper
152 100
151 24.9 16.8 25.2
153 18.9 11.4 17.2#



#11
Acenaphthene
Concen: 0.103 ng/ul
RT: 14.560 min Scan# 2488
Delta R.T. -0.000 min
Lab File: BM041072.D
Acq: 24 Jul 2023 12:35

Tgt Ion:153 Resp: 1620
Ion Ratio Lower Upper
153 100
152 54.5 40.2 60.4
154 87.2 70.3 105.5





#12

Fluorene

Concen: 0.105 ng/ul

RT: 15.563 min Scan# 21

Delta R.T. 0.009 min

Lab File: BM041072.D

Acq: 24 Jul 2023 12:35

Instrument :

BNA_M

ClientSampleId :

SSTD0.1036

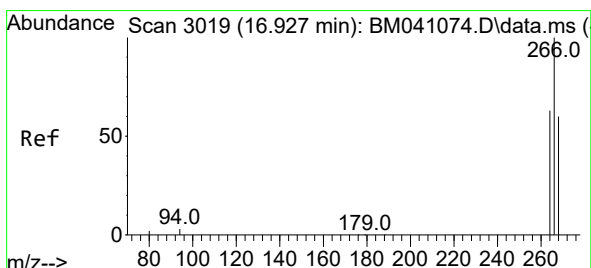
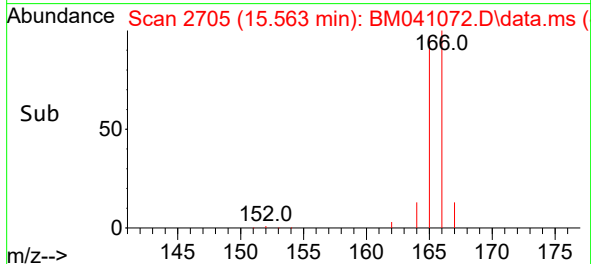
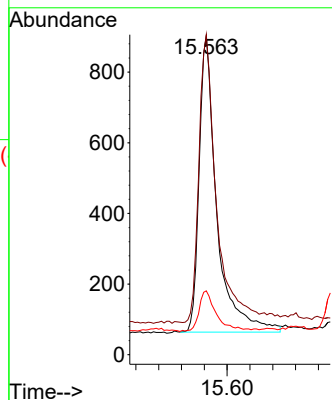
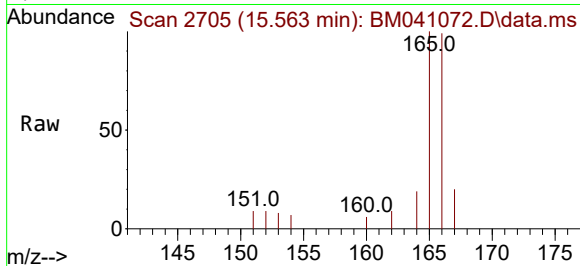
Tgt Ion:166 Resp: 1804

Ion Ratio Lower Upper

166 100

165 100.6 79.4 119.0

167 20.1 11.4 17.2#



#14

Pentachlorophenol

Concen: 0.106 ng/ul

RT: 16.936 min Scan# 3021

Delta R.T. 0.008 min

Lab File: BM041072.D

Acq: 24 Jul 2023 12:35

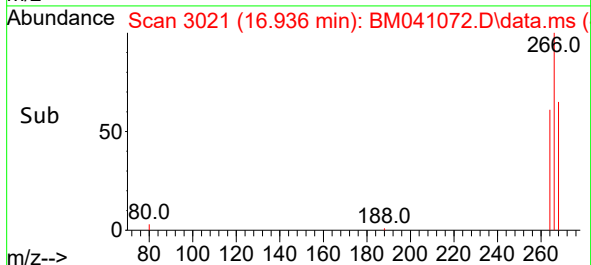
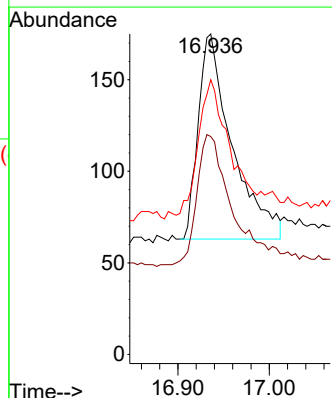
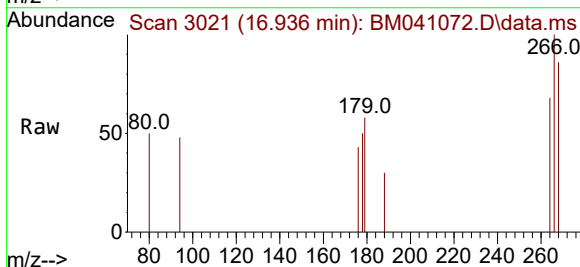
Tgt Ion:266 Resp: 289

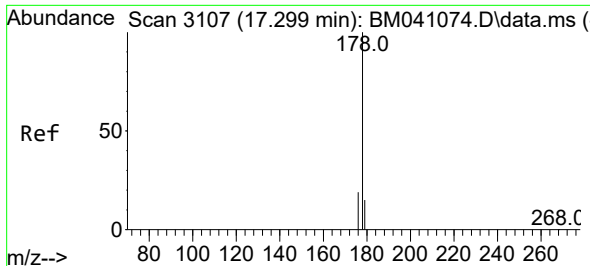
Ion Ratio Lower Upper

266 100

264 68.5 49.2 73.8

268 72.3 49.9 74.9

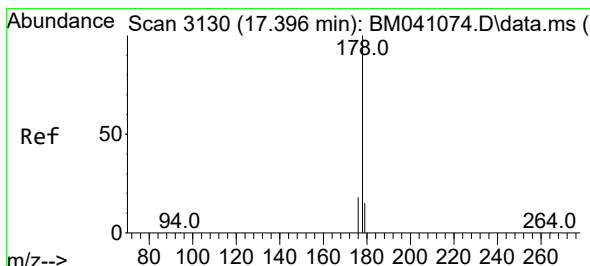
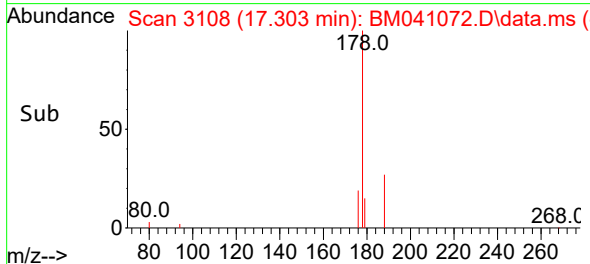
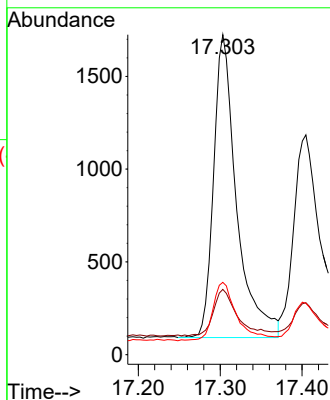
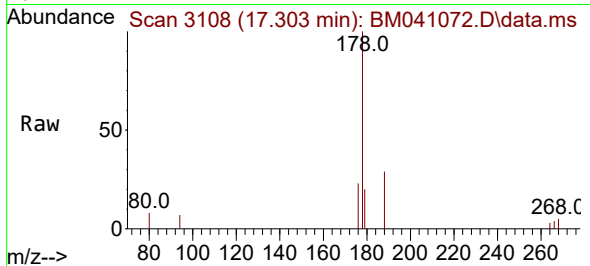




#15
Phenanthrene
Concen: 0.110 ng/ul
RT: 17.303 min Scan# 3108
Delta R.T. 0.004 min
Lab File: BM041072.D
Acq: 24 Jul 2023 12:35

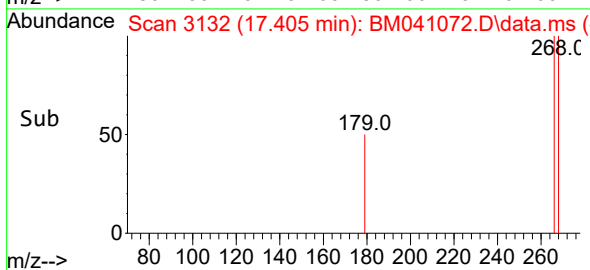
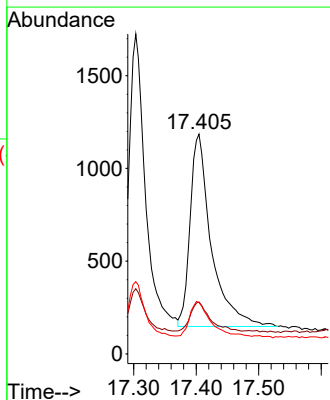
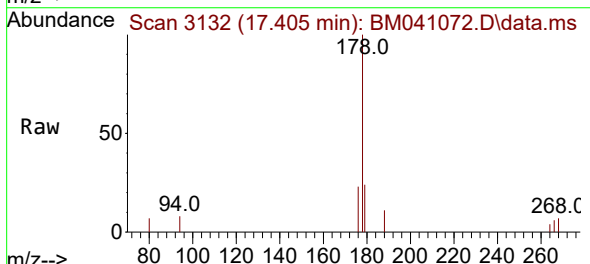
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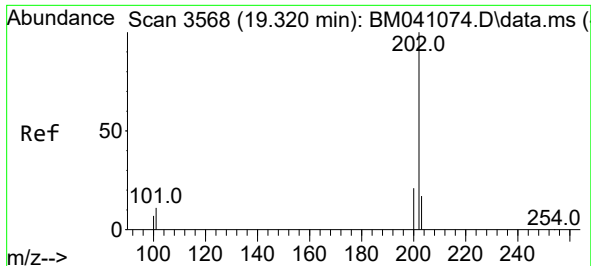
Tgt Ion:178 Resp: 3183
Ion Ratio Lower Upper
178 100
179 20.4 13.4 20.2#
176 22.6 16.0 24.0



#16
Anthracene
Concen: 0.104 ng/ul
RT: 17.405 min Scan# 3132
Delta R.T. 0.008 min
Lab File: BM041072.D
Acq: 24 Jul 2023 12:35

Tgt Ion:178 Resp: 2446
Ion Ratio Lower Upper
178 100
179 23.6 13.6 20.4#
176 23.4 16.0 24.0

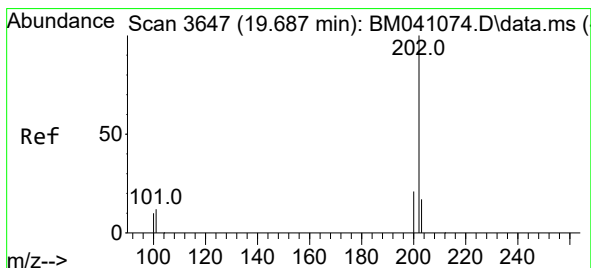
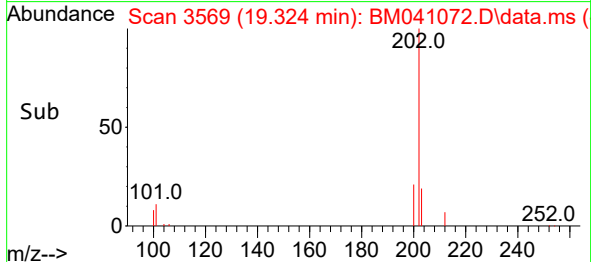
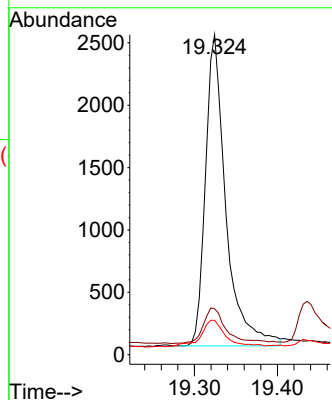
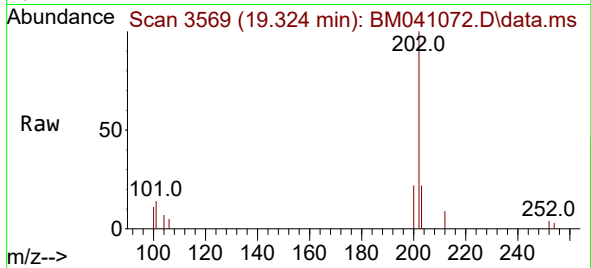




#19
Fluoranthene
Concen: 0.112 ng/ul
RT: 19.324 min Scan# 3568
Delta R.T. 0.005 min
Lab File: BM041072.D
Acq: 24 Jul 2023 12:35

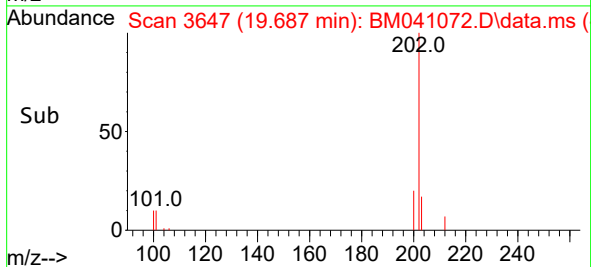
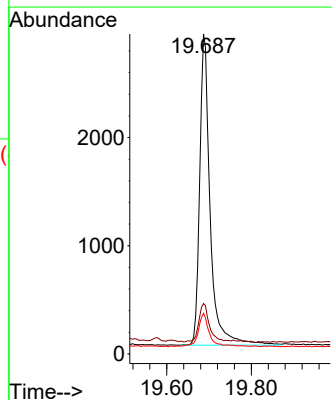
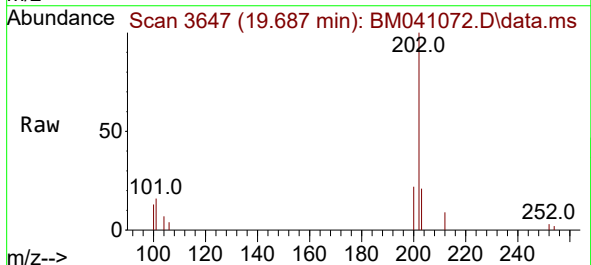
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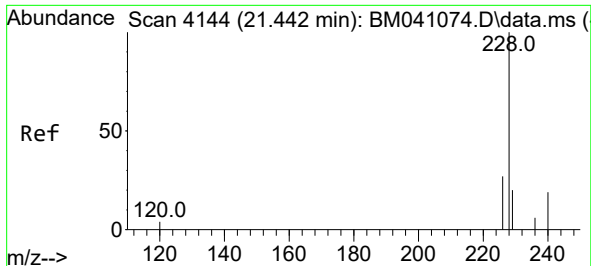
Tgt Ion:202 Resp: 4277
Ion Ratio Lower Upper
202 100
101 14.3 9.4 14.0#
100 10.8 7.1 10.7#



#20
Pyrene
Concen: 0.118 ng/ul
RT: 19.687 min Scan# 3647
Delta R.T. -0.000 min
Lab File: BM041072.D
Acq: 24 Jul 2023 12:35

Tgt Ion:202 Resp: 4932
Ion Ratio Lower Upper
202 100
101 15.7 10.7 16.1
100 12.7 8.5 12.7

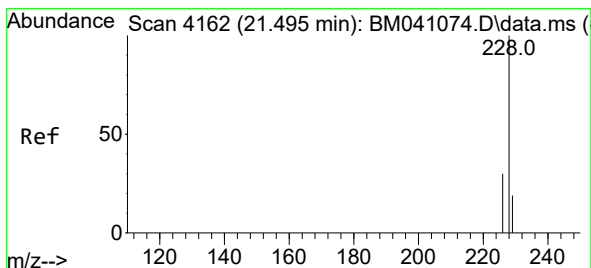
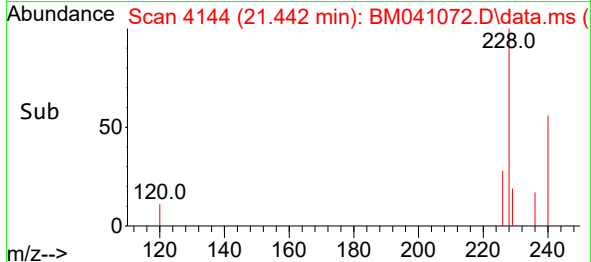
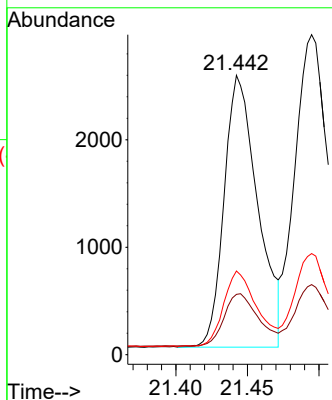
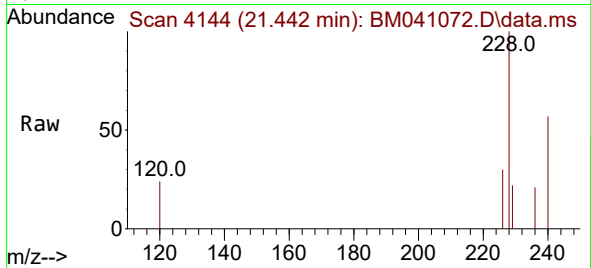




#21
Benzo(a)anthracene
Concen: 0.116 ng/ul
RT: 21.442 min Scan# 4144
Delta R.T. -0.000 min
Lab File: BM041072.D
Acq: 24 Jul 2023 12:35

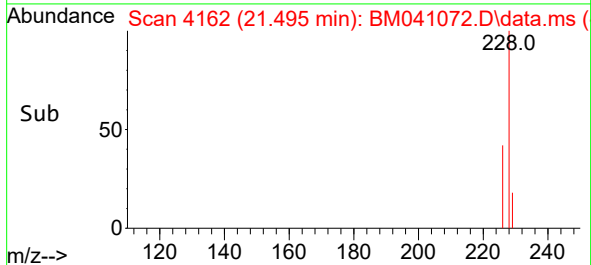
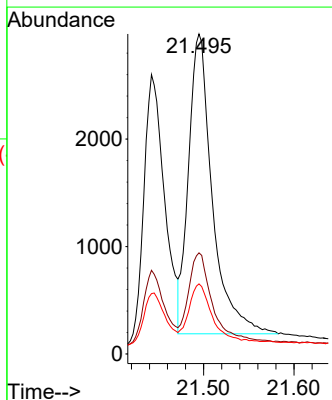
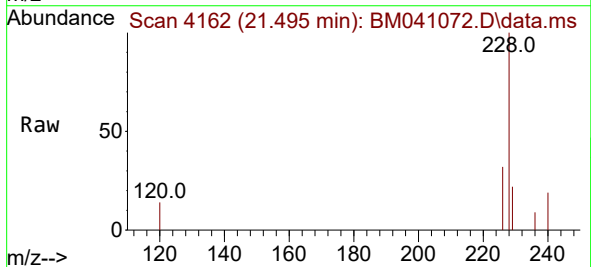
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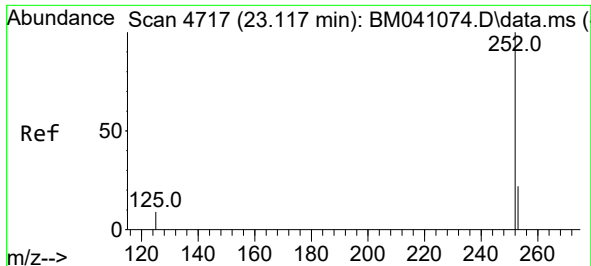
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Ion Ratio Lower Upper
228 100
229 21.6 16.5 24.7
226 30.0 22.2 33.2



#22
Chrysene
Concen: 0.125 ng/ul
RT: 21.495 min Scan# 4162
Delta R.T. -0.000 min
Lab File: BM041072.D
Acq: 24 Jul 2023 12:35

Tgt Ion:228 Resp: 5109
Ion Ratio Lower Upper
228 100
226 31.6 24.2 36.4
229 21.9 15.9 23.9

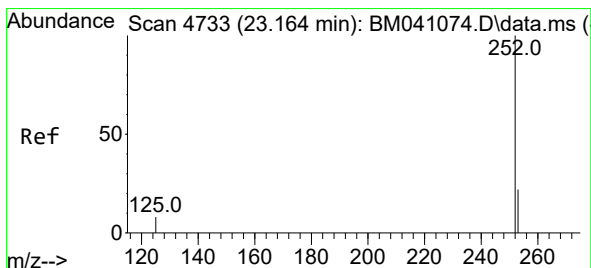
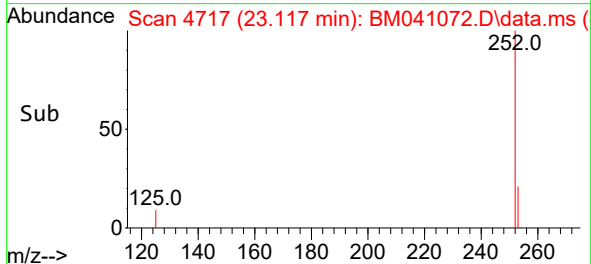
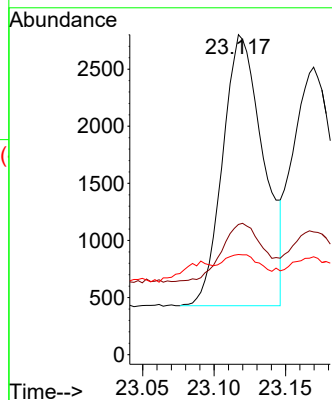
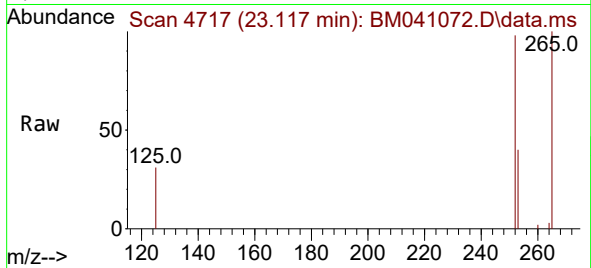




#24
Benzo(b)fluoranthene
Concen: 0.115 ng/ul
RT: 23.117 min Scan# 4717
Delta R.T. -0.000 min
Lab File: BM041072.D
Acq: 24 Jul 2023 12:35

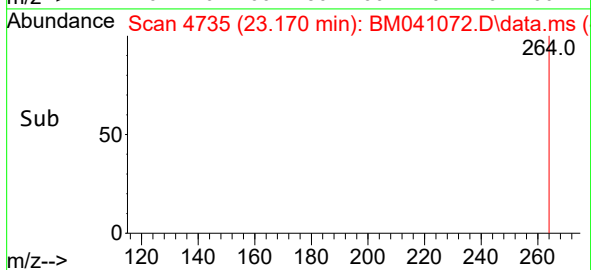
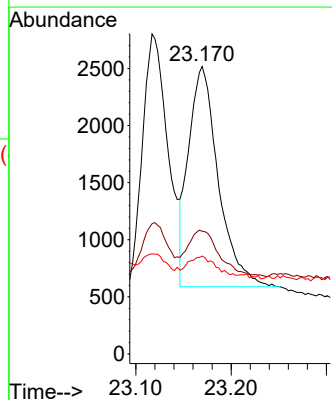
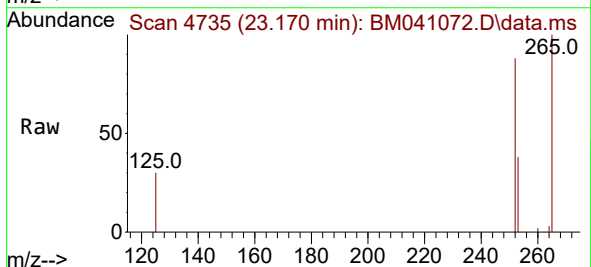
Instrument :
BNA_M
ClientSampleId :
SSTD0.1036

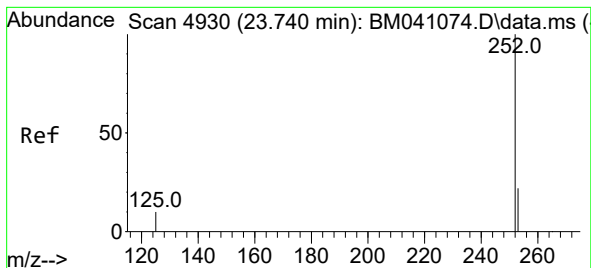
Tgt Ion:252 Resp: 4688
Ion Ratio Lower Upper
252 100
253 40.7 0.0 57.6
125 31.3 0.0 33.6



#25
Benzo(k)fluoranthene
Concen: 0.108 ng/ul
RT: 23.170 min Scan# 4735
Delta R.T. 0.006 min
Lab File: BM041072.D
Acq: 24 Jul 2023 12:35

Tgt Ion:252 Resp: 4184
Ion Ratio Lower Upper
252 100
253 42.7 22.8 34.2#
125 34.1 13.5 20.3#





#26

Benzo(a)pyrene

Concen: 0.103 ng/ul

RT: 23.743 min Scan# 4930

Delta R.T. 0.003 min

Lab File: BM041072.D

Acq: 24 Jul 2023 12:35

Instrument :

BNA_M

ClientSampleId :

SSTD0.1036

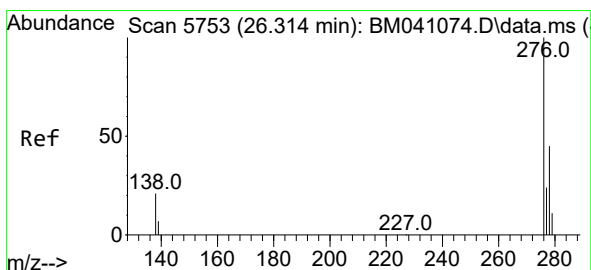
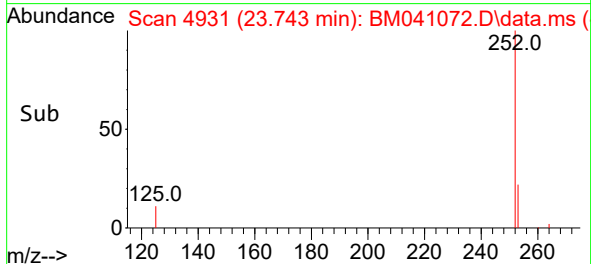
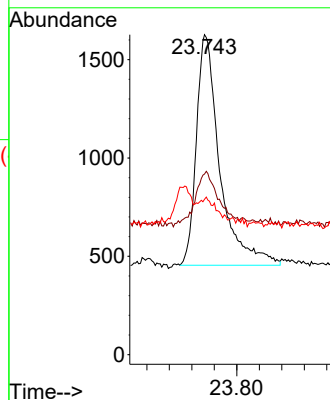
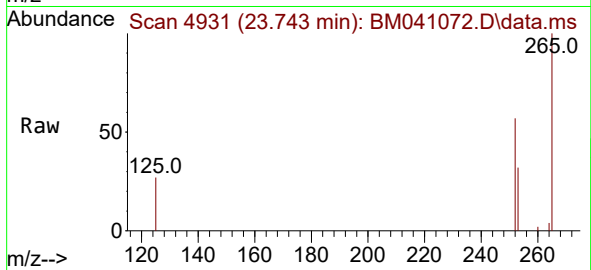
Tgt Ion:252 Resp: 3391

Ion Ratio Lower Upper

252 100

253 56.4 26.7 40.1#

125 48.6 18.1 27.1#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.103 ng/ul

RT: 26.320 min Scan# 5755

Delta R.T. 0.007 min

Lab File: BM041072.D

Acq: 24 Jul 2023 12:35

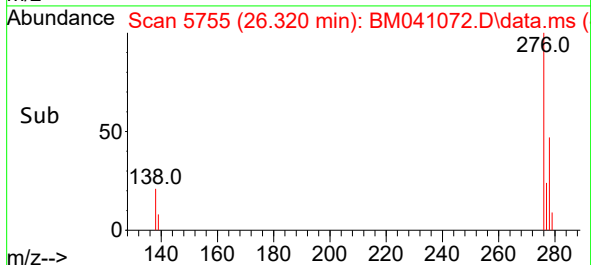
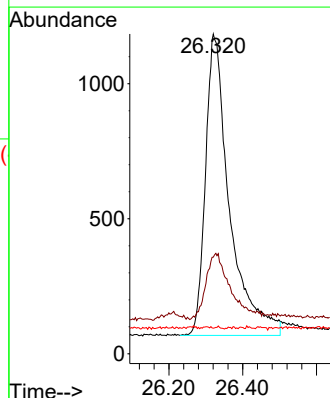
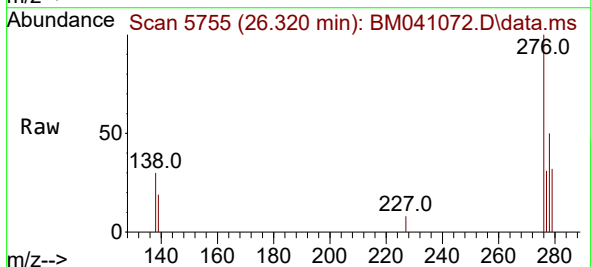
Tgt Ion:276 Resp: 5044

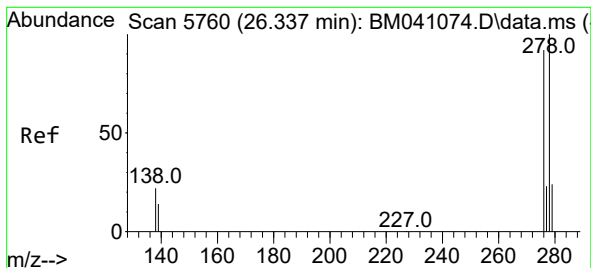
Ion Ratio Lower Upper

276 100

138 23.0 18.1 27.1

227 0.2 0.2 0.2





#28

Dibenzo(a,h)anthracene

Concen: 0.102 ng/ul

RT: 26.344 min Scan# 5

Delta R.T. 0.007 min

Lab File: BM041072.D

Acq: 24 Jul 2023 12:35

Instrument :

BNA_M

ClientSampleId :

SSTD0.1036

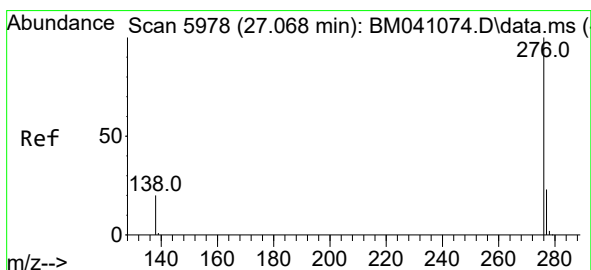
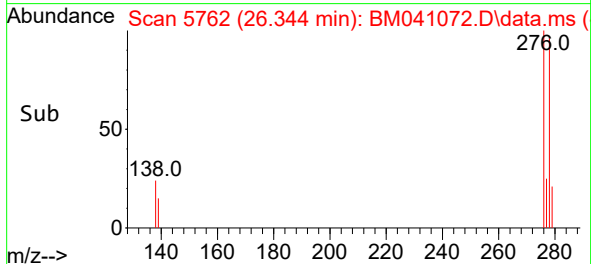
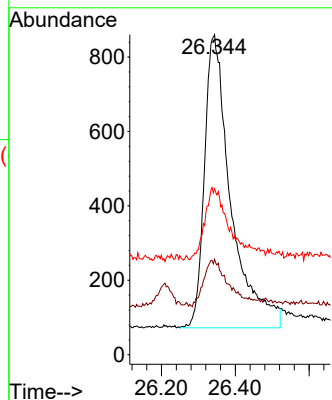
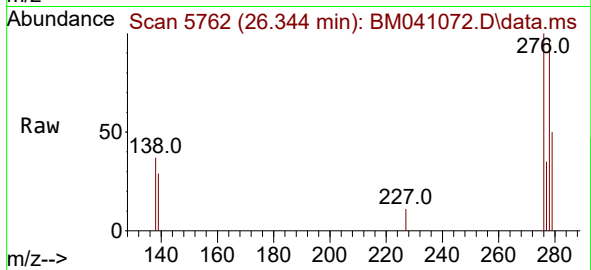
Tgt Ion:278 Resp: 3913

Ion Ratio Lower Upper

278 100

139 29.8 14.1 21.1#

279 51.9 25.0 37.4#



#29

Benzo(g,h,i)perylene

Concen: 0.103 ng/ul

RT: 27.078 min Scan# 5981

Delta R.T. 0.010 min

Lab File: BM041072.D

Acq: 24 Jul 2023 12:35

Tgt Ion:276 Resp: 4517

Ion Ratio Lower Upper

276 100

138 30.2 18.2 27.2#

277 31.1 20.6 30.8#

