

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
 Data File : BM041028.D
 Acq On : 21 Jul 2023 21:53
 Operator : MA/JU
 Sample : 03444-12DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 21 23:51:38 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 : Fri Jul 21 18:20:46 2023
 Response via : Initial Calibration

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

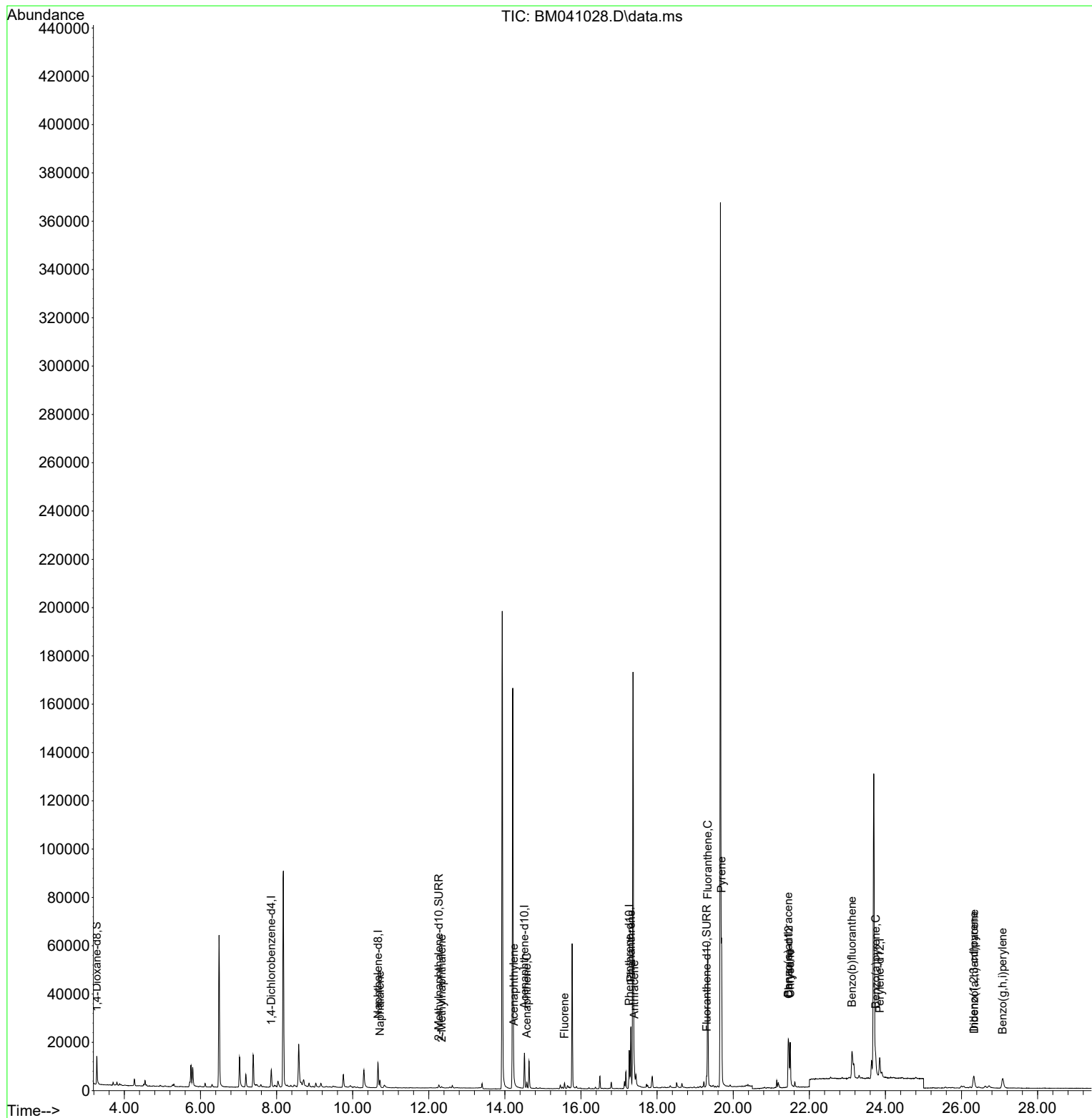
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.862	152	4050	0.400	ng/ul	0.00
4) Naphthalene-d8	10.664	136	14913	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.513	164	8271	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.270	188	20182	0.400	ng/ul	0.00
17) Chrysene-d12	21.460	240	13125	0.400	ng/ul	0.00
23) Perylene-d12	23.851	264	11754	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.275	96	7072	1.062	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.264	152	2249	0.113	ng/ul	0.00
18) Fluoranthene-d10	19.301	212	4972	0.090	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.719	128	4384	0.107	ng/ul	96
7) 2-Methylnaphthalene	12.341	142	486	0.022	ng/ul	96
10) Acenaphthylene	14.236	152	1080	0.031	ng/ul#	76
11) Acenaphthene	14.578	153	1342	0.044	ng/ul	97
12) Fluorene	15.568	166	1486	0.047	ng/ul#	97
15) Phenanthrene	17.312	178	27161	0.450	ng/ul	99
16) Anthracene	17.401	178	3077	0.065	ng/ul#	92
19) Fluoranthene	19.329	202	52383	0.773	ng/ul	95
20) Pyrene	19.692	202	48837	0.705	ng/ul	97
21) Benzo(a)anthracene	21.445	228	16006	0.400	ng/ul	97
22) Chrysene	21.498	228	19354	0.423	ng/ul	98
24) Benzo(b)fluoranthene	23.123	252	20287	0.450	ng/ul	98
26) Benzo(a)pyrene	23.743	252	9619	0.247	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	26.324	276	9649	0.187	ng/ul#	84
28) Dibenzo(a,h)anthracene	26.334	278	2168	0.055	ng/ul#	61
29) Benzo(g,h,i)perylene	27.082	276	9611	0.201	ng/ul	96

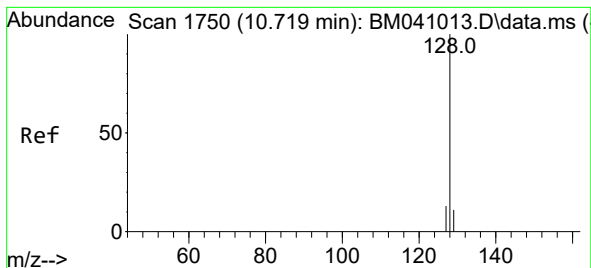
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.107 ng/ul

RT: 10.719 min Scan# 1750

Delta R.T. 0.000 min

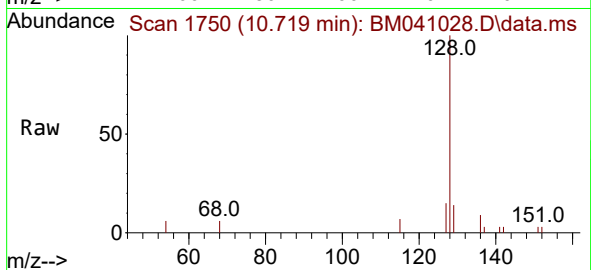
Lab File: BM041028.D

Acq: 21 Jul 2023 21:53

Instrument :

BNA_M

ClientSampleId :



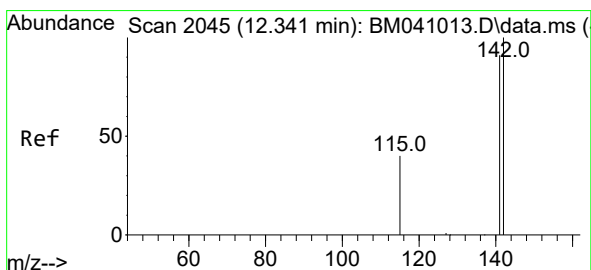
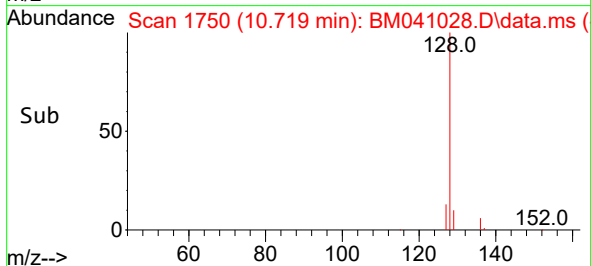
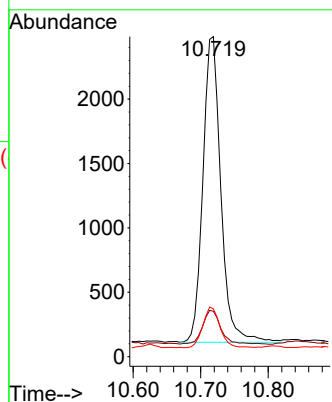
Tgt Ion:128 Resp: 4384

Ion Ratio Lower Upper

128 100

129 14.2 9.8 14.8

127 15.0 11.0 16.4



#7

2-Methylnaphthalene

Concen: 0.022 ng/ul

RT: 12.341 min Scan# 2045

Delta R.T. 0.000 min

Lab File: BM041028.D

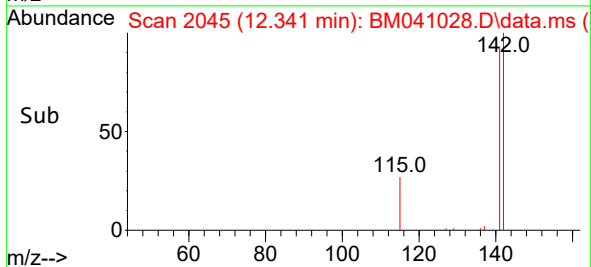
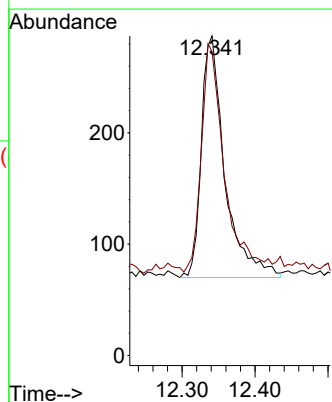
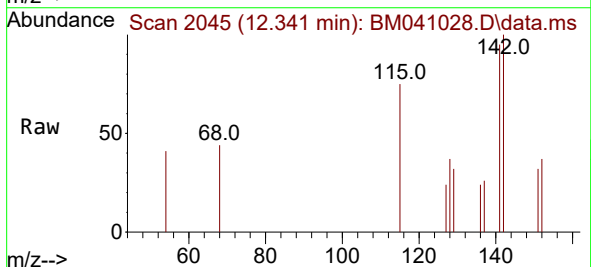
Acq: 21 Jul 2023 21:53

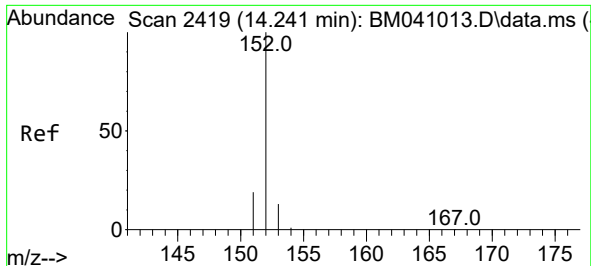
Tgt Ion:142 Resp: 486

Ion Ratio Lower Upper

142 100

141 95.3 73.2 109.8

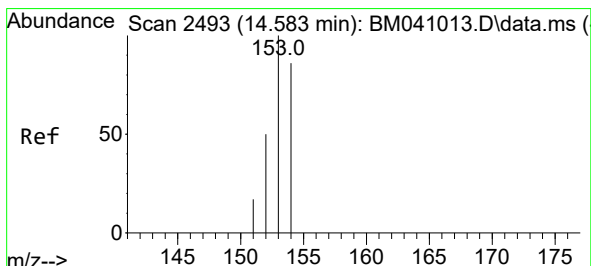
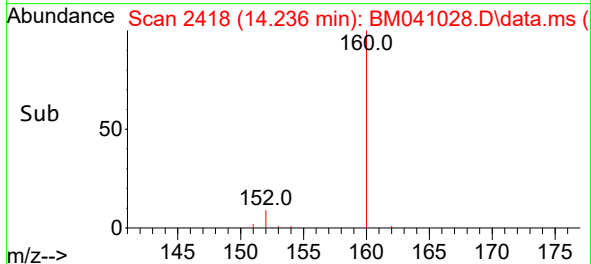
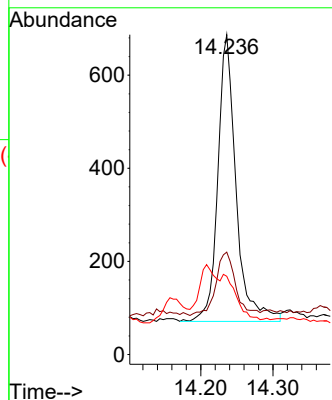
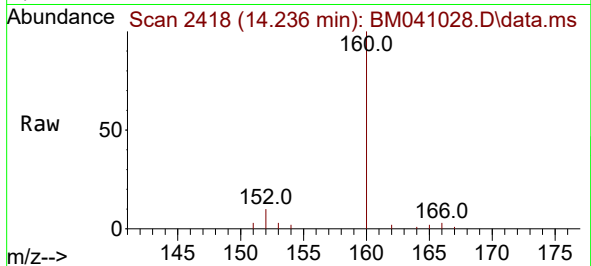




#10
Acenaphthylene
Concen: 0.031 ng/ul
RT: 14.236 min Scan# 2418
Delta R.T. -0.005 min
Lab File: BM041028.D
Acq: 21 Jul 2023 21:53

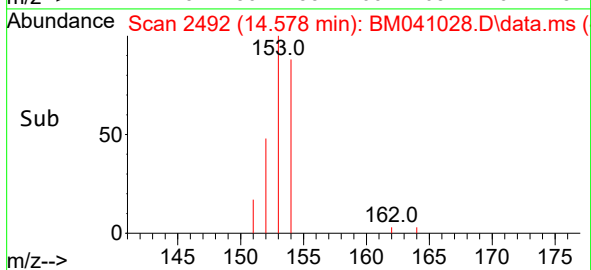
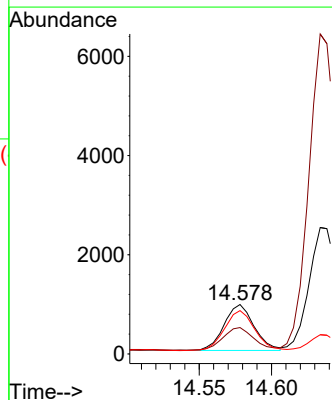
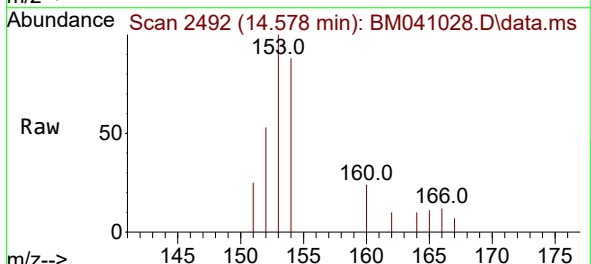
Instrument :
BNA_M
ClientSampleId :

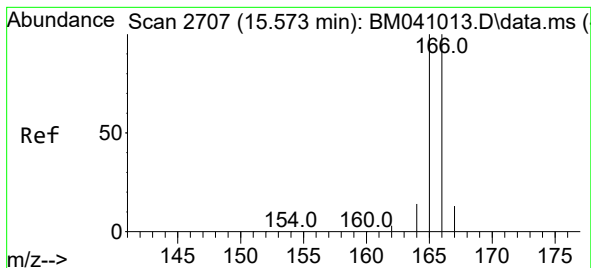
Tgt Ion:152 Resp: 1080
Ion Ratio Lower Upper
152 100
151 32.0 16.8 25.2#
153 24.5 11.6 17.4#



#11
Acenaphthene
Concen: 0.044 ng/ul
RT: 14.578 min Scan# 2492
Delta R.T. -0.005 min
Lab File: BM041028.D
Acq: 21 Jul 2023 21:53

Tgt Ion:153 Resp: 1342
Ion Ratio Lower Upper
153 100
152 53.4 41.0 61.6
154 87.8 68.2 102.2





#12

Fluorene

Concen: 0.047 ng/ul

RT: 15.568 min Scan# 21

Delta R.T. -0.005 min

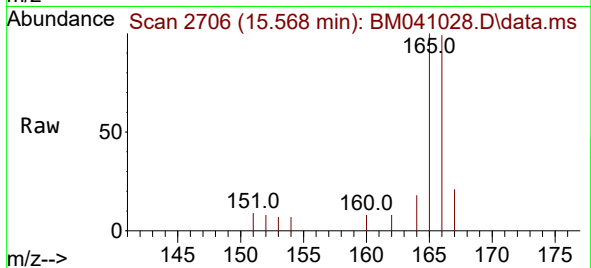
Lab File: BM041028.D

Acq: 21 Jul 2023 21:53

Instrument :

BNA_M

ClientSampleId :



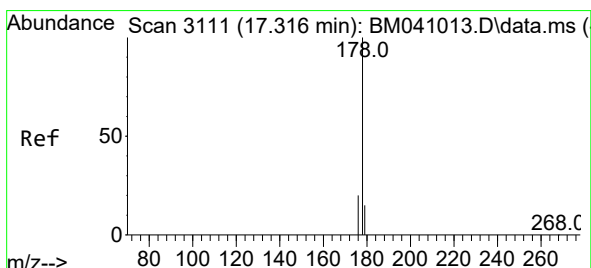
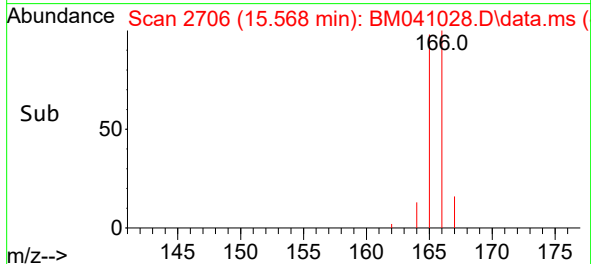
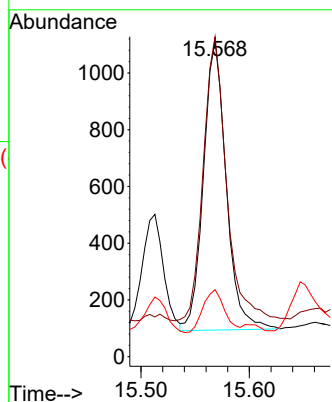
Tgt Ion:166 Resp: 1486

Ion Ratio Lower Upper

166 100

165 101.3 80.3 120.5

167 21.2 11.7 17.5#



#15

Phenanthrene

Concen: 0.450 ng/ul

RT: 17.312 min Scan# 3110

Delta R.T. -0.004 min

Lab File: BM041028.D

Acq: 21 Jul 2023 21:53

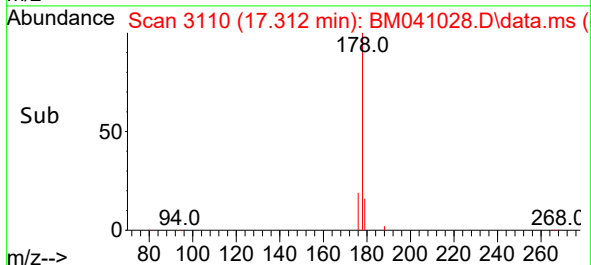
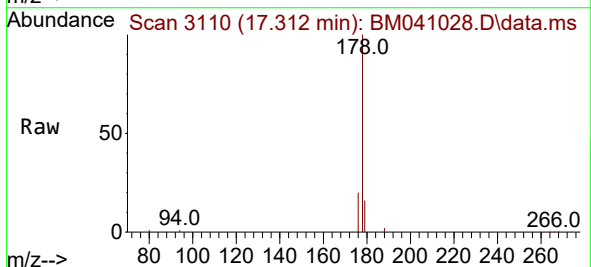
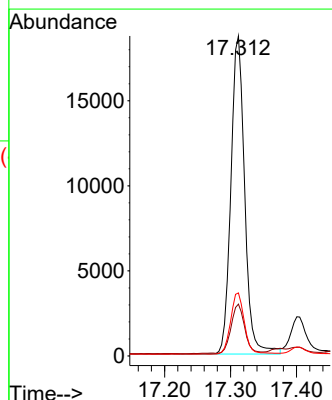
Tgt Ion:178 Resp: 27161

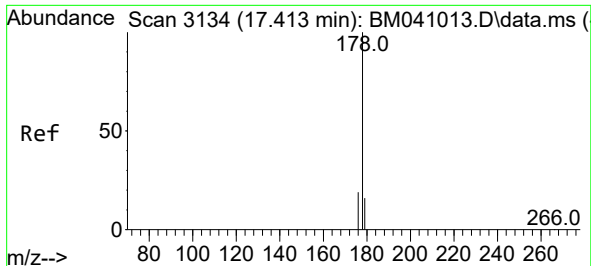
Ion Ratio Lower Upper

178 100

179 16.2 13.0 19.6

176 19.7 16.2 24.4

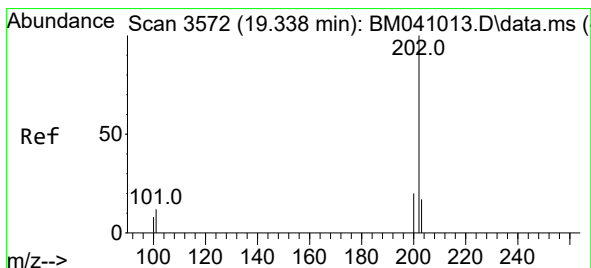
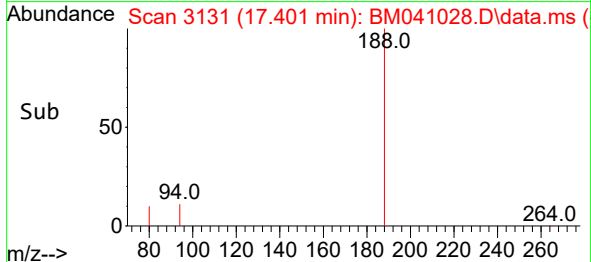
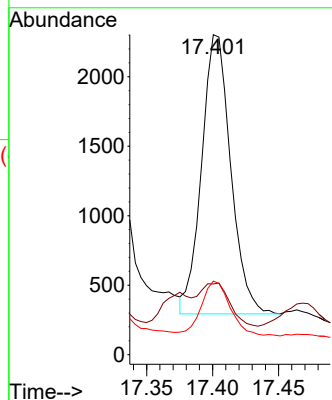
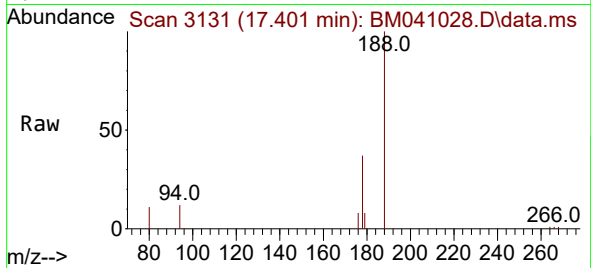




#16
 Anthracene
 Concen: 0.065 ng/ul
 RT: 17.401 min Scan# 3134
 Delta R.T. -0.013 min
 Lab File: BM041028.D
 Acq: 21 Jul 2023 21:53

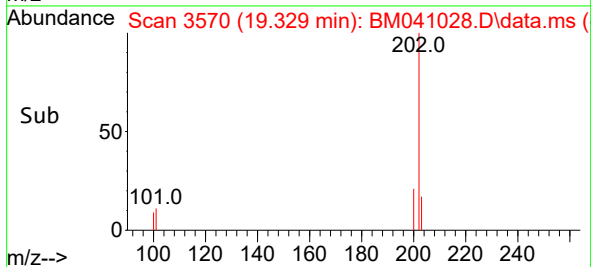
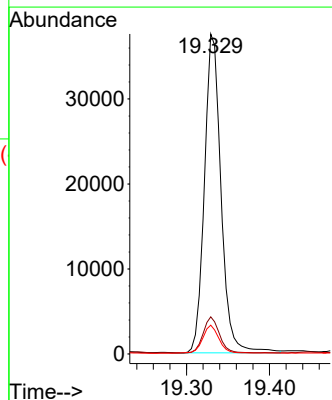
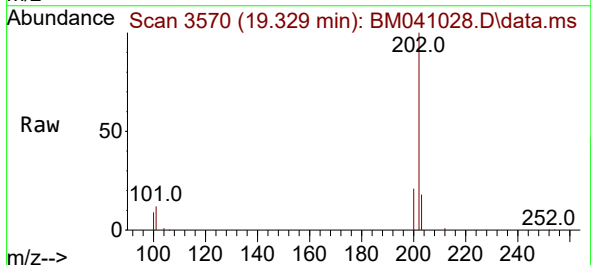
Instrument :
 BNA_M
 ClientSampleId :

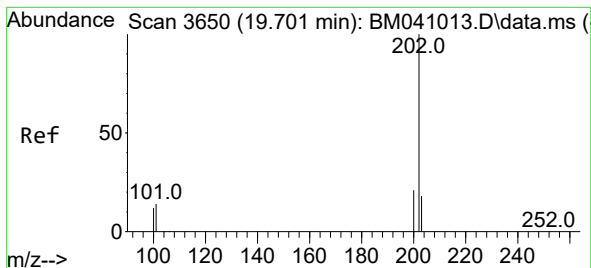
Tgt Ion:178 Resp: 3077
 Ion Ratio Lower Upper
 178 100
 179 22.1 13.7 20.5#
 176 23.0 16.4 24.6



#19
 Fluoranthene
 Concen: 0.773 ng/ul
 RT: 19.329 min Scan# 3570
 Delta R.T. -0.009 min
 Lab File: BM041028.D
 Acq: 21 Jul 2023 21:53

Tgt Ion:202 Resp: 52383
 Ion Ratio Lower Upper
 202 100
 101 11.6 11.0 16.4
 100 9.0 8.3 12.5





#20

Pyrene

Concen: 0.705 ng/ul

RT: 19.692 min Scan# 3

Delta R.T. -0.009 min

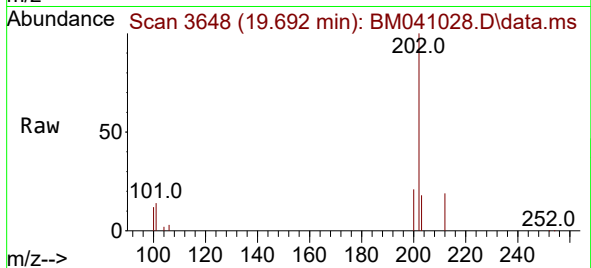
Lab File: BM041028.D

Acq: 21 Jul 2023 21:53

Instrument :

BNA_M

ClientSampleId :



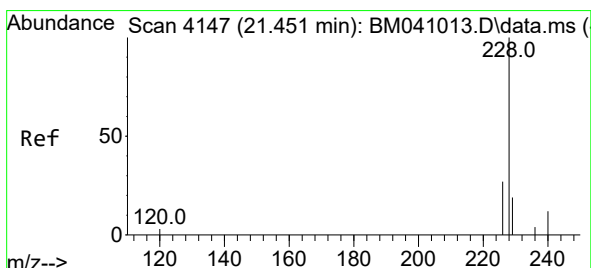
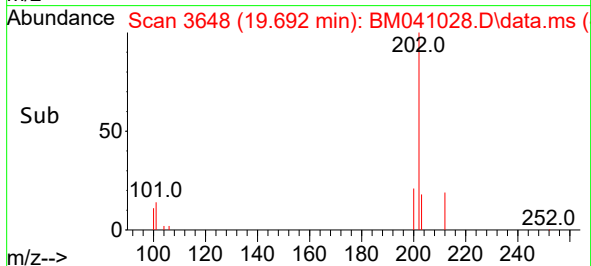
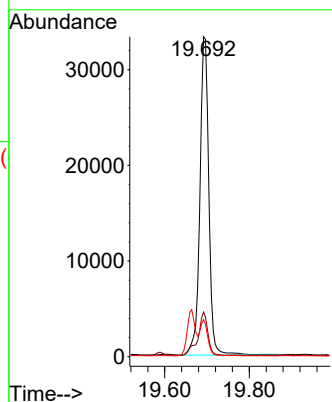
Tgt Ion:202 Resp: 48837

Ion Ratio Lower Upper

202 100

101 13.9 12.5 18.7

100 11.5 10.0 15.0



#21

Benzo(a)anthracene

Concen: 0.400 ng/ul

RT: 21.445 min Scan# 4145

Delta R.T. -0.006 min

Lab File: BM041028.D

Acq: 21 Jul 2023 21:53

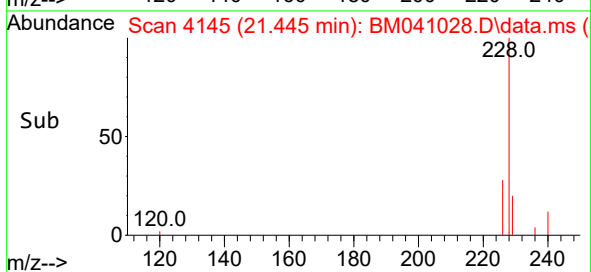
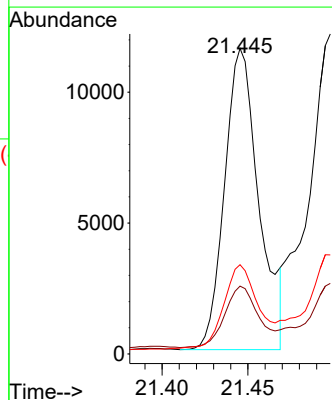
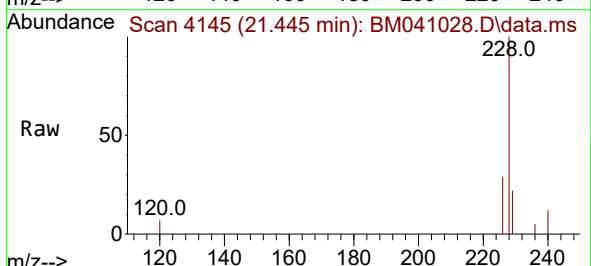
Tgt Ion:228 Resp: 16006

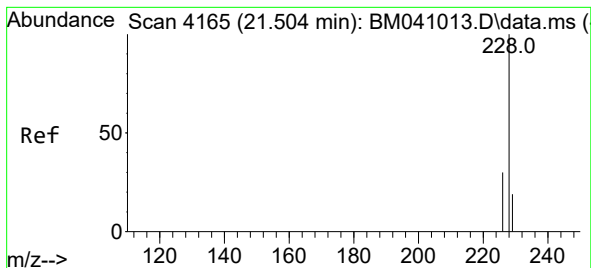
Ion Ratio Lower Upper

228 100

229 22.2 16.2 24.4

226 29.2 22.3 33.5





#22

Chrysene

Concen: 0.423 ng/ul

RT: 21.498 min Scan# 41

Delta R.T. -0.006 min

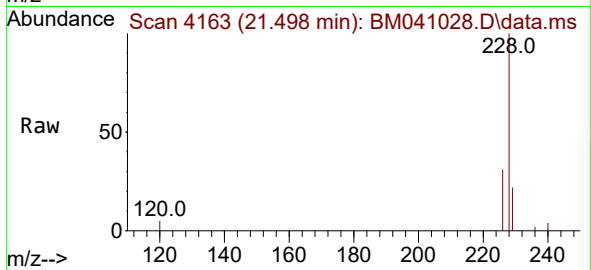
Lab File: BM041028.D

Acq: 21 Jul 2023 21:53

Instrument :

BNA_M

ClientSampleId :



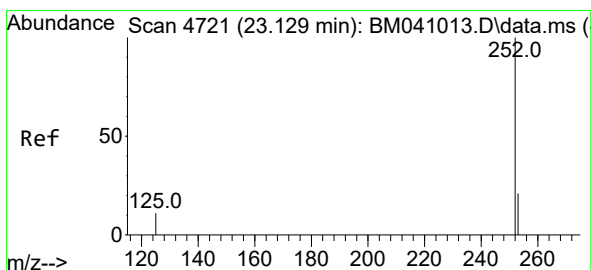
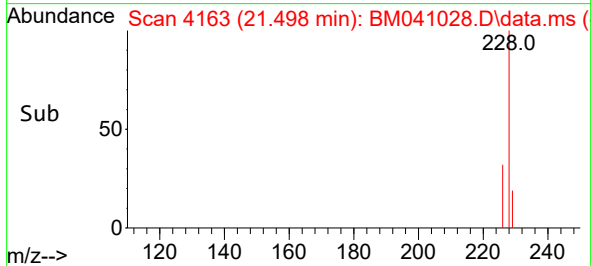
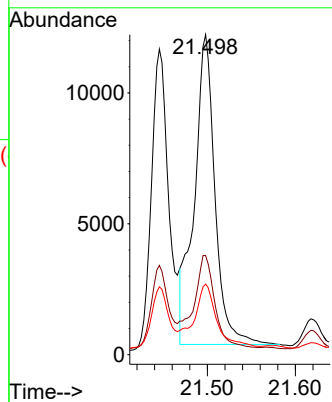
Tgt Ion:228 Resp: 19354

Ion Ratio Lower Upper

228 100

226 31.0 24.6 37.0

229 22.1 16.1 24.1



#24

Benzo(b)fluoranthene

Concen: 0.450 ng/ul

RT: 23.123 min Scan# 4719

Delta R.T. -0.006 min

Lab File: BM041028.D

Acq: 21 Jul 2023 21:53

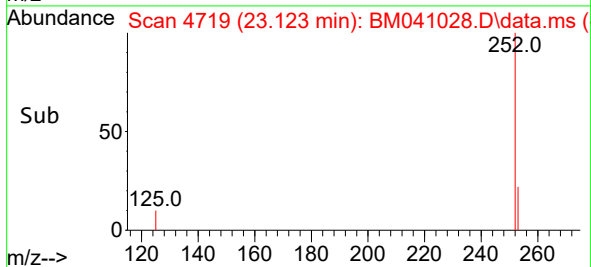
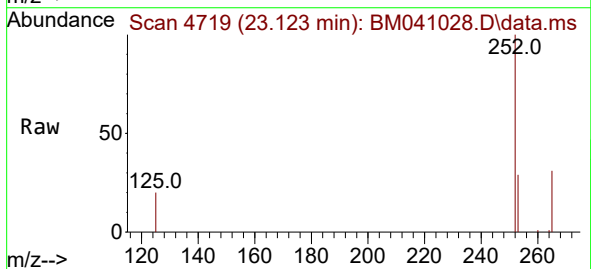
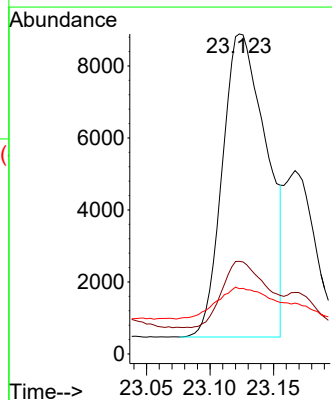
Tgt Ion:252 Resp: 20287

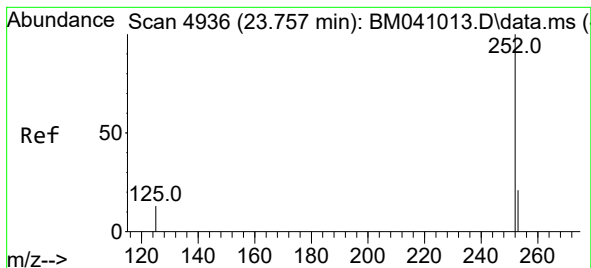
Ion Ratio Lower Upper

252 100

253 29.0 0.0 57.4

125 20.4 0.0 45.2





#26

Benzo(a)pyrene

Concen: 0.247 ng/ul

RT: 23.743 min Scan# 4936

Delta R.T. -0.015 min

Lab File: BM041028.D

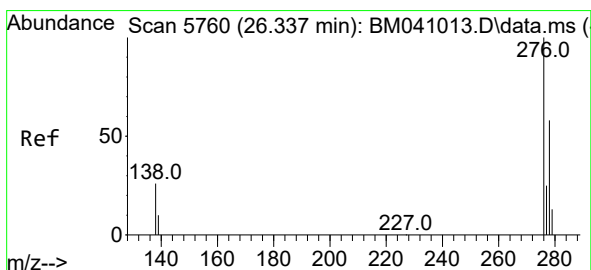
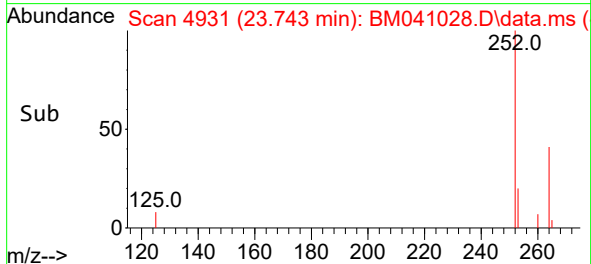
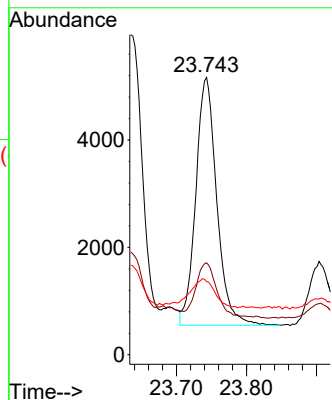
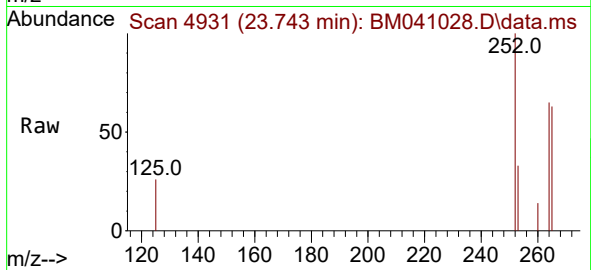
Acq: 21 Jul 2023 21:53

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:252	Resp:	9619
Ion Ratio	Lower	Upper
252	100	
253	33.1	28.2 42.2
125	26.4	25.2 37.8



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.187 ng/ul

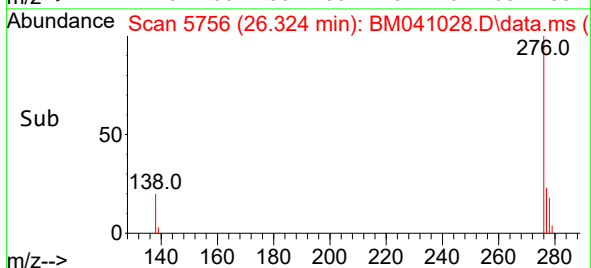
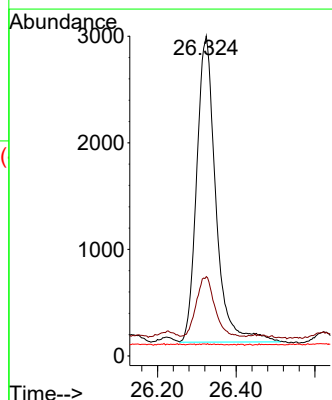
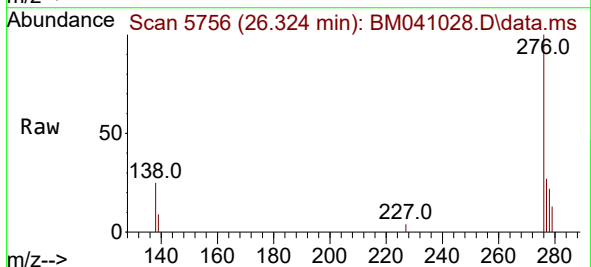
RT: 26.324 min Scan# 5756

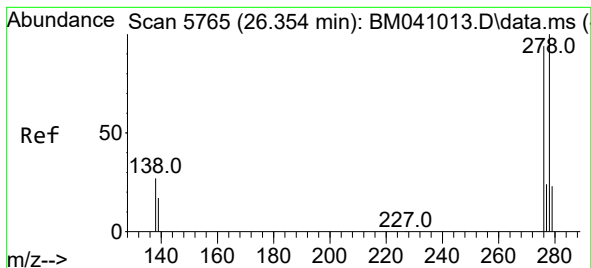
Delta R.T. -0.013 min

Lab File: BM041028.D

Acq: 21 Jul 2023 21:53

Tgt Ion:276	Resp:	9649
Ion Ratio	Lower	Upper
276	100	
138	19.4	22.3 33.5#
227	0.2	0.0 0.0#





#28

Dibenzo(a,h)anthracene

Concen: 0.055 ng/ul

RT: 26.334 min Scan# 5

Delta R.T. -0.020 min

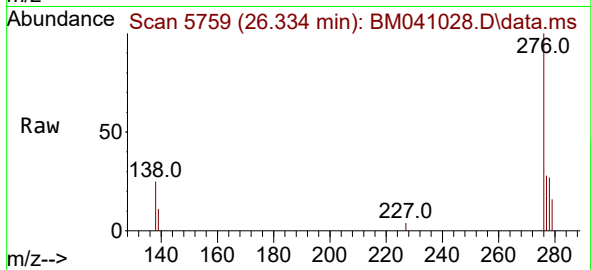
Lab File: BM041028.D

Acq: 21 Jul 2023 21:53

Instrument :

BNA_M

ClientSampleId :



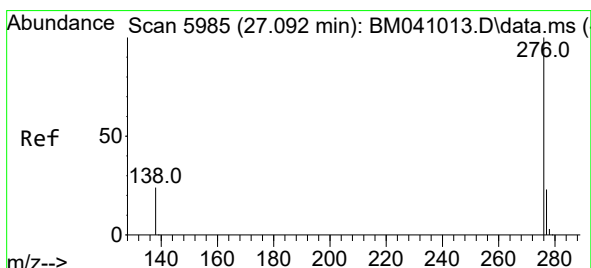
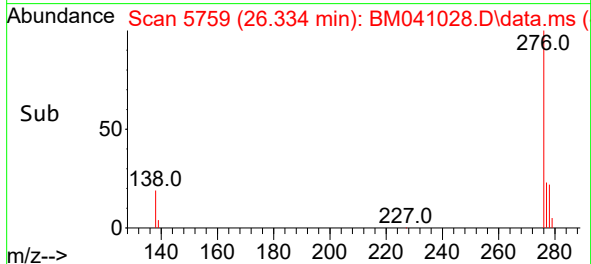
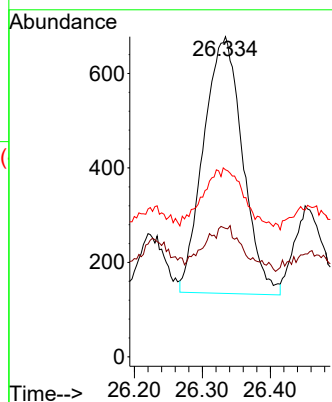
Tgt Ion:278 Resp: 2168

Ion Ratio Lower Upper

278 100

139 40.1 19.2 28.8#

279 58.4 27.0 40.6#



#29

Benzo(g,h,i)perylene

Concen: 0.201 ng/ul

RT: 27.082 min Scan# 5982

Delta R.T. -0.010 min

Lab File: BM041028.D

Acq: 21 Jul 2023 21:53

Tgt Ion:276 Resp: 9611

Ion Ratio Lower Upper

276 100

138 24.7 22.6 34.0

277 27.4 21.2 31.8

