

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
 Data File : BM041064.D
 Acq On : 22 Jul 2023 21:17
 Operator : MA/JU
 Sample : 03504-12
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 22 22:38:26 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 : Sat Jul 22 22:33:48 2023
 Response via : Initial Calibration

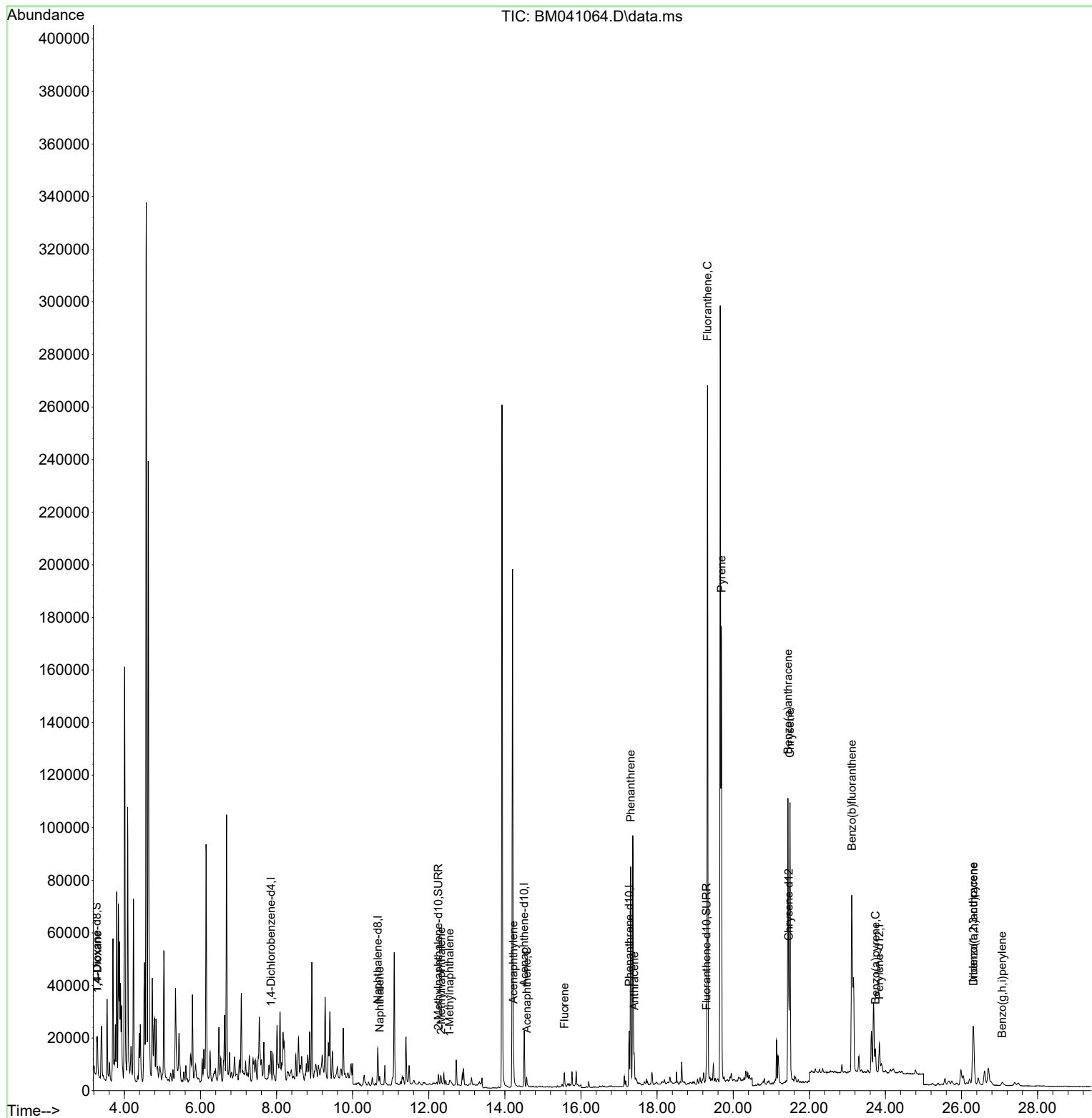
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.853	152	5538	0.400	ng/ul	0.00
4) Naphthalene-d8	10.658	136	19898	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.509	164	11482	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.265	188	24881	0.400	ng/ul	0.00
17) Chrysene-d12	21.457	240	16094	0.400	ng/ul	# 0.00
23) Perylene-d12	23.842	264	15106	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.275	96	8718	0.957	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.253	152	5618	0.212	ng/ul	-0.01
18) Fluoranthene-d10	19.297	212	10711	0.158	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.292	88	2080	0.217	ng/ul#	1
5) Naphthalene	10.708	128	4599	0.085	ng/ul#	91
7) 2-Methylnaphthalene	12.330	142	1006	0.034	ng/ul	96
8) 1-Methylnaphthalene	12.544	142	806	0.025	ng/ul	90
10) Acenaphthylene	14.227	152	7760	0.161	ng/ul	96
11) Acenaphthene	14.574	153	2878	0.068	ng/ul	97
12) Fluorene	15.564	166	3422	0.078	ng/ul#	98
15) Phenanthrene	17.308	178	90312	1.214	ng/ul	98
16) Anthracene	17.400	178	11023	0.190	ng/ul	97
19) Fluoranthene	19.324	202	225081	2.709	ng/ul#	94
20) Pyrene	19.692	202	146267	1.723	ng/ul#	91
21) Benzo(a)anthracene	21.439	228	91818	1.873	ng/ul	99
22) Chrysene	21.492	228	100535	1.794	ng/ul	99
24) Benzo(b)fluoranthene	23.117	252	117158	2.021	ng/ul	86
26) Benzo(a)pyrene	23.737	252	12577	0.251	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	26.307	276	38120	0.574	ng/ul#	85
28) Dibenzo(a,h)anthracene	26.317	278	13673	0.272	ng/ul	97
29) Benzo(g,h,i)perylene	27.068	276	3188	0.052	ng/ul#	72

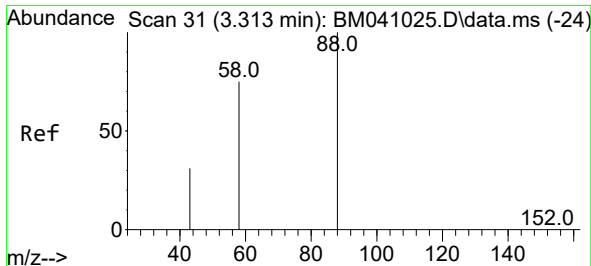
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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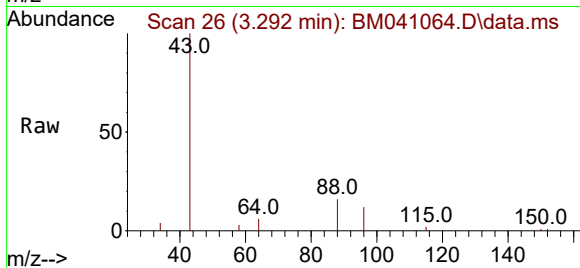
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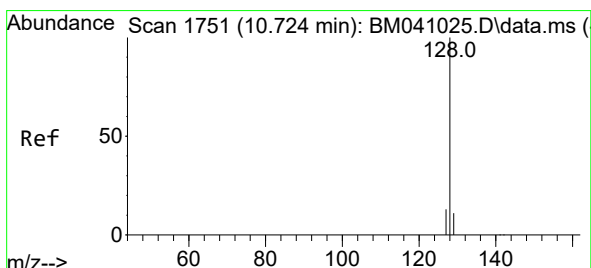
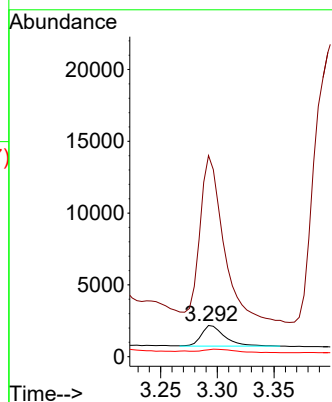
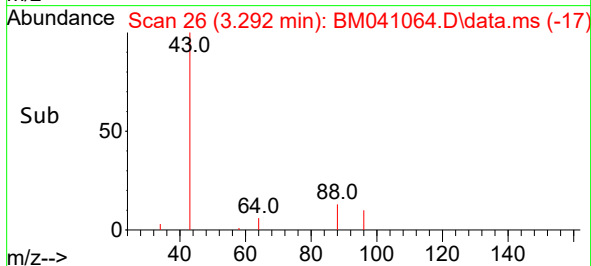


#2
1,4-Dioxane
Concen: 0.217 ng/ul
RT: 3.292 min Scan# 2
Delta R.T. -0.021 min
Lab File: BM041064.D
Acq: 22 Jul 2023 21:17

Instrument :
BNA_M
ClientSampleId :

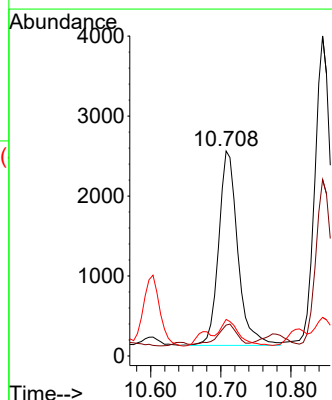
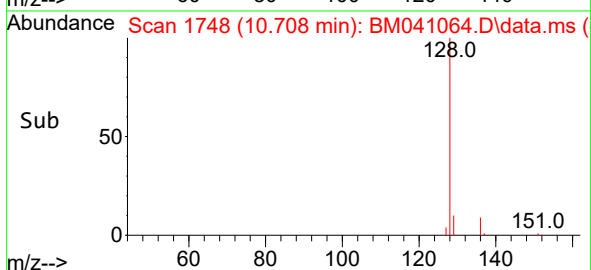
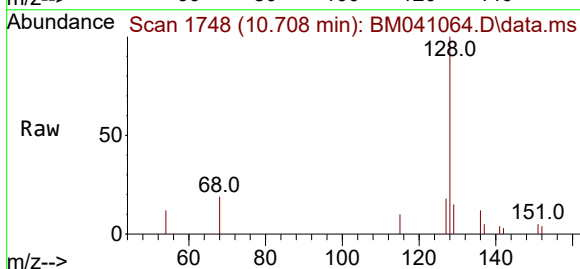


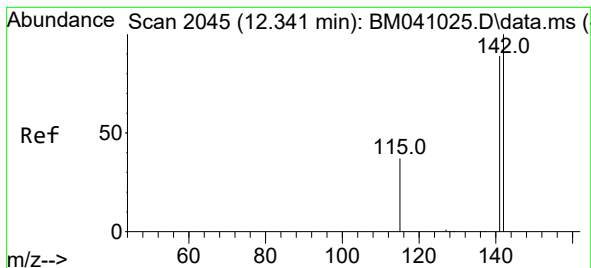
Tgt Ion: 88 Resp: 2080
Ion Ratio Lower Upper
88 100
43 645.0 46.7 70.1#
58 22.0 40.3 60.5#



#5
Naphthalene
Concen: 0.085 ng/ul
RT: 10.708 min Scan# 1748
Delta R.T. -0.011 min
Lab File: BM041064.D
Acq: 22 Jul 2023 21:17

Tgt Ion:128 Resp: 4599
Ion Ratio Lower Upper
128 100
129 15.1 9.8 14.8#
127 17.8 11.0 16.4#

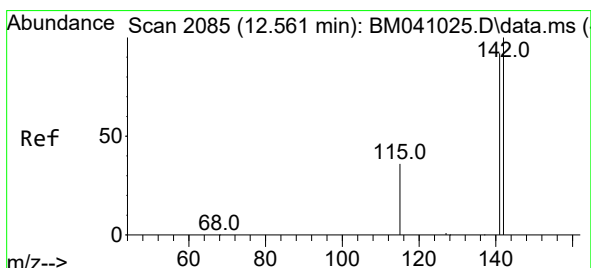
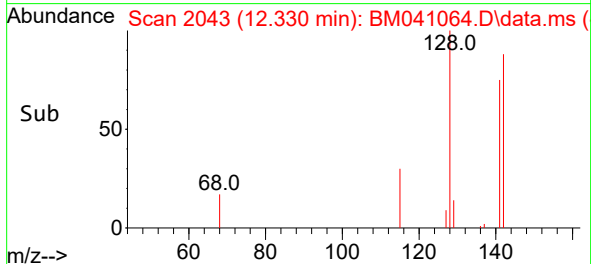
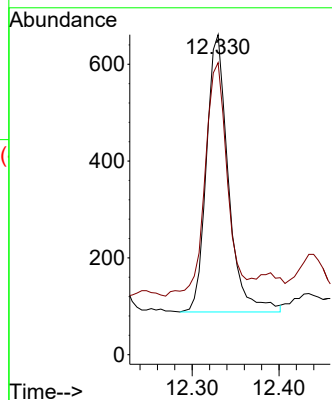
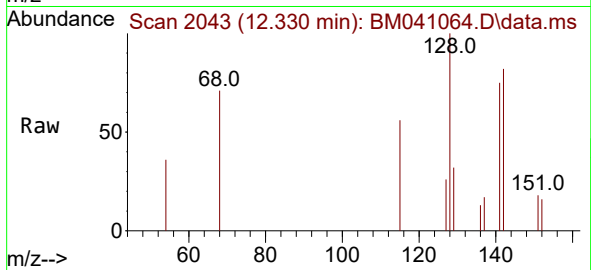




#7
2-Methylnaphthalene
Concen: 0.034 ng/ul
RT: 12.330 min Scan# 2043
Delta R.T. -0.005 min
Lab File: BM041064.D
Acq: 22 Jul 2023 21:17

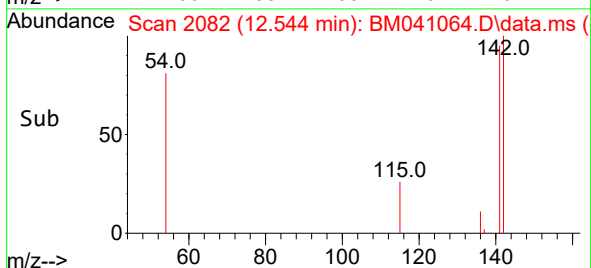
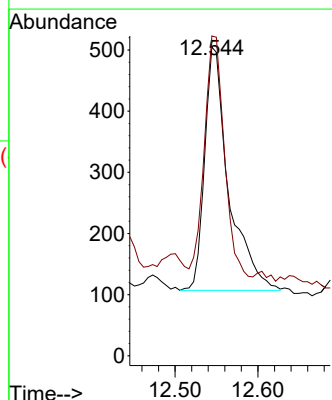
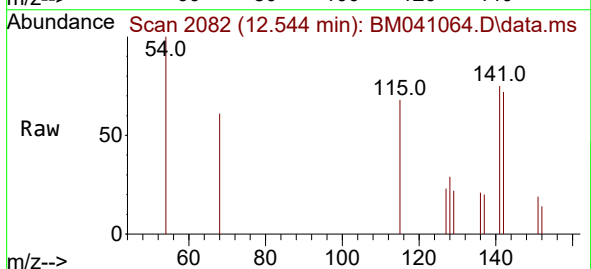
Instrument :
BNA_M
ClientSampleId :

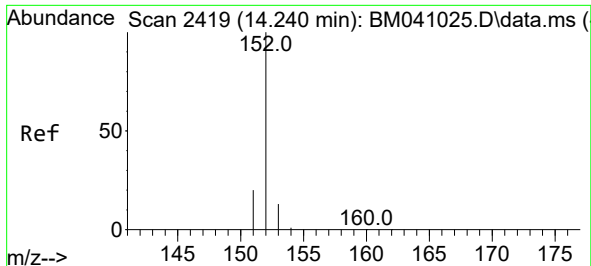
Tgt Ion:142 Resp: 1006
Ion Ratio Lower Upper
142 100
141 87.4 73.2 109.8



#8
1-Methylnaphthalene
Concen: 0.025 ng/ul
RT: 12.544 min Scan# 2082
Delta R.T. -0.011 min
Lab File: BM041064.D
Acq: 22 Jul 2023 21:17

Tgt Ion:142 Resp: 806
Ion Ratio Lower Upper
142 100
141 82.4 73.4 110.2

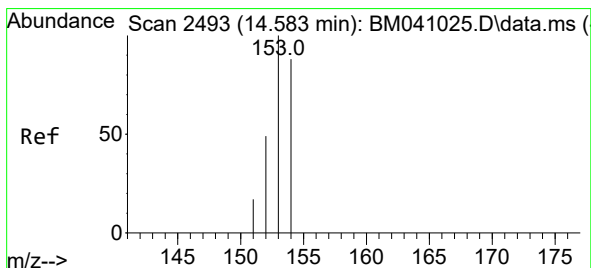
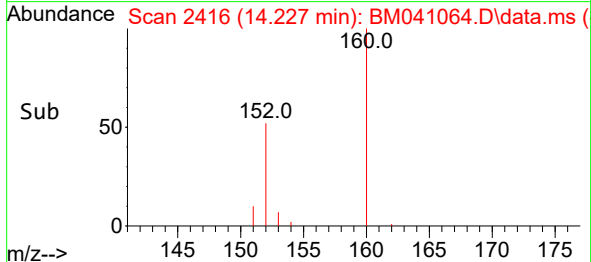
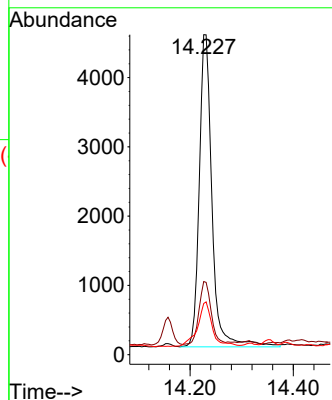
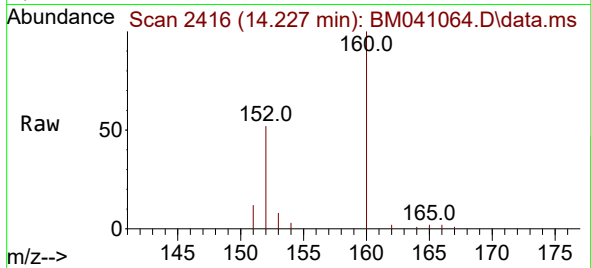




#10
Acenaphthylene
Concen: 0.161 ng/ul
RT: 14.227 min Scan# 2416
Delta R.T. -0.009 min
Lab File: BM041064.D
Acq: 22 Jul 2023 21:17

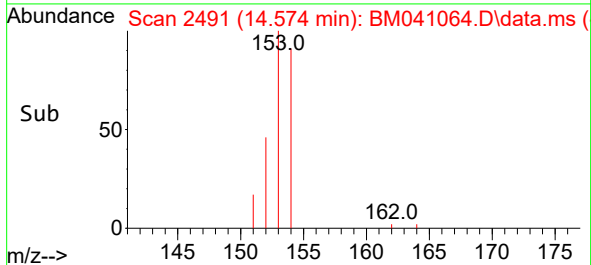
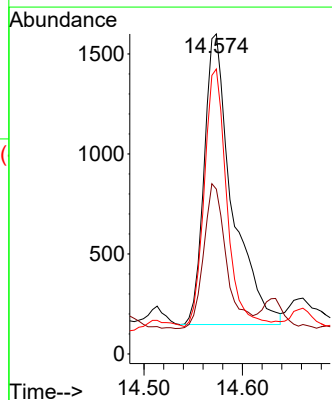
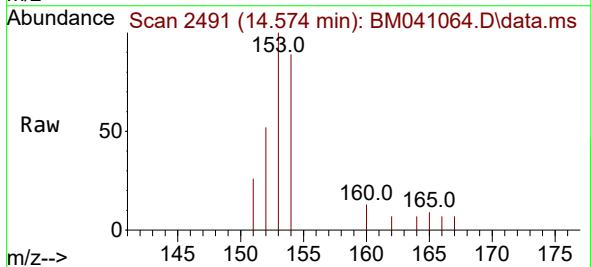
Instrument :
BNA_M
ClientSampleId :

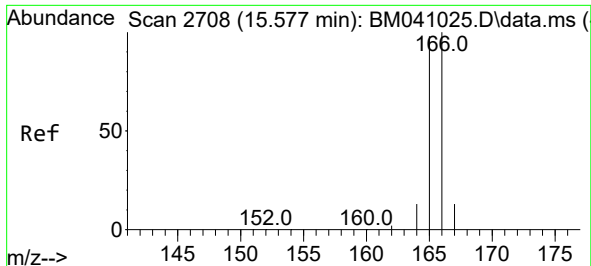
Tgt Ion:152 Resp: 7760
Ion Ratio Lower Upper
152 100
151 22.9 16.8 25.2
153 16.0 11.6 17.4



#11
Acenaphthene
Concen: 0.068 ng/ul
RT: 14.574 min Scan# 2491
Delta R.T. 0.000 min
Lab File: BM041064.D
Acq: 22 Jul 2023 21:17

Tgt Ion:153 Resp: 2878
Ion Ratio Lower Upper
153 100
152 51.5 41.0 61.6
154 89.1 68.2 102.2

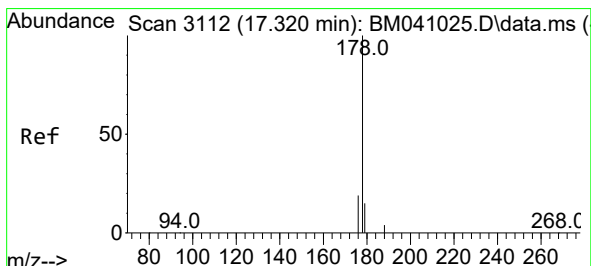
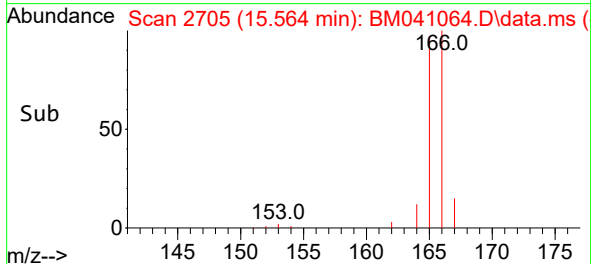
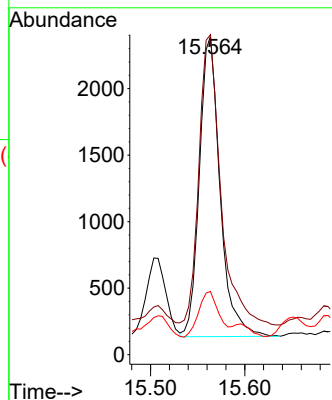
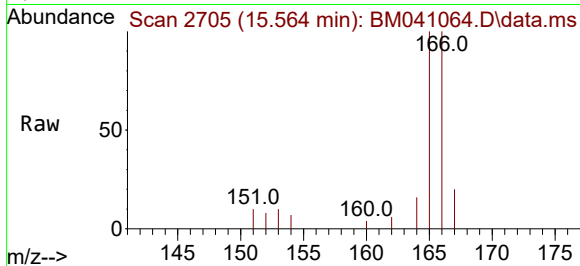




#12
Fluorene
Concen: 0.078 ng/ul
RT: 15.564 min Scan# 21
Delta R.T. -0.009 min
Lab File: BM041064.D
Acq: 22 Jul 2023 21:17

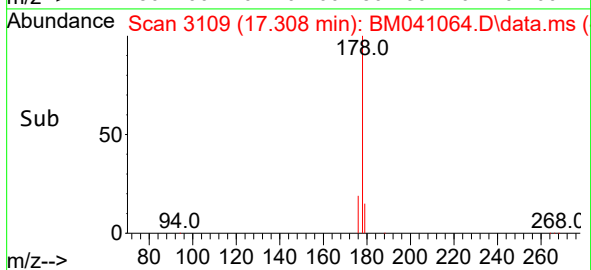
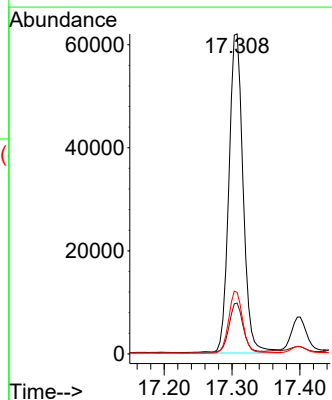
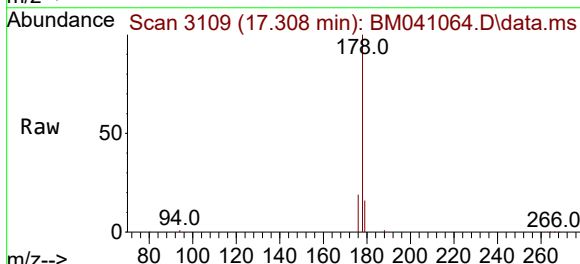
Instrument :
BNA_M
ClientSampleId :

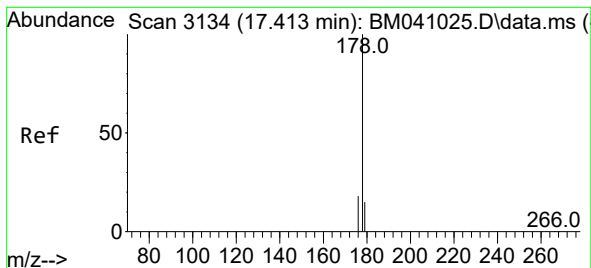
Tgt Ion:166 Resp: 3422
Ion Ratio Lower Upper
166 100
165 100.5 80.3 120.5
167 19.8 11.7 17.5#



#15
Phenanthrene
Concen: 1.214 ng/ul
RT: 17.308 min Scan# 3109
Delta R.T. -0.008 min
Lab File: BM041064.D
Acq: 22 Jul 2023 21:17

Tgt Ion:178 Resp: 90312
Ion Ratio Lower Upper
178 100
179 15.9 13.0 19.6
176 19.3 16.2 24.4





#16

Anthracene

Concen: 0.190 ng/ul

RT: 17.400 min Scan# 31

Delta R.T. -0.008 min

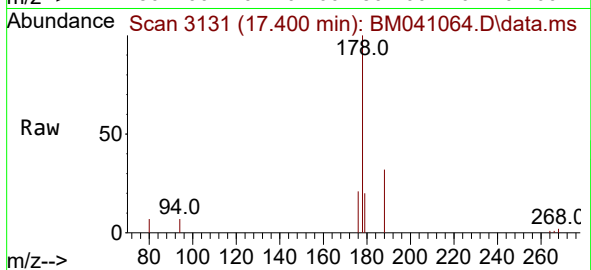
Lab File: BM041064.D

Acq: 22 Jul 2023 21:17

Instrument :

BNA_M

ClientSampleId :



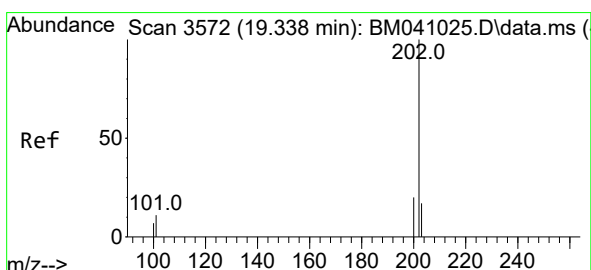
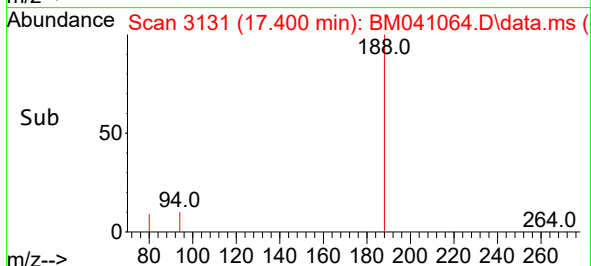
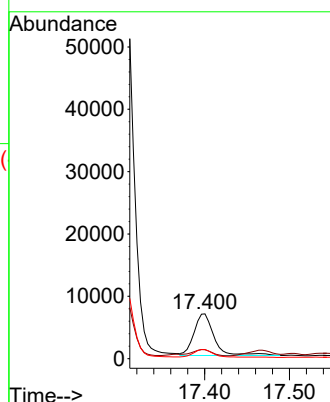
Tgt Ion:178 Resp: 11023

Ion Ratio Lower Upper

178 100

179 19.9 13.7 20.5

176 20.5 16.4 24.6



#19

Fluoranthene

Concen: 2.709 ng/ul

RT: 19.324 min Scan# 3569

Delta R.T. -0.009 min

Lab File: BM041064.D

Acq: 22 Jul 2023 21:17

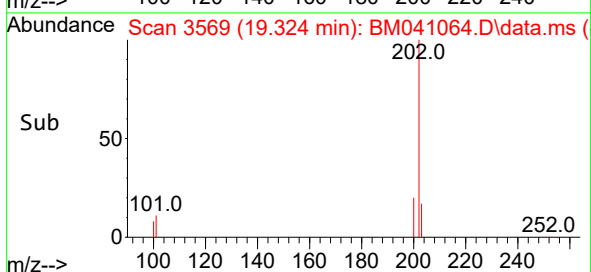
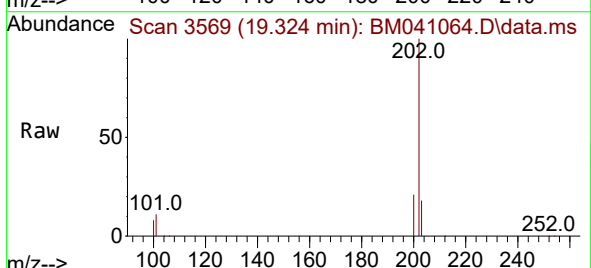
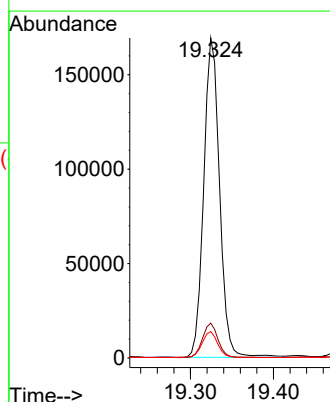
Tgt Ion:202 Resp: 225081

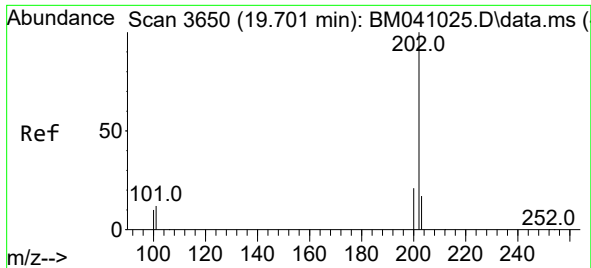
Ion Ratio Lower Upper

202 100

101 10.9 11.0 16.4#

100 8.3 8.3 12.5#

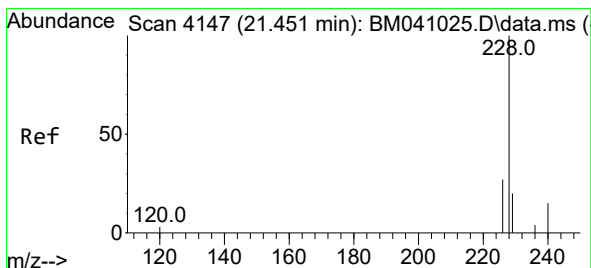
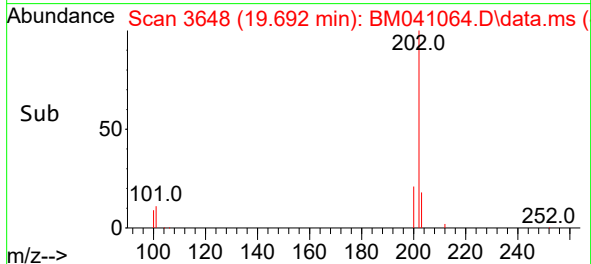
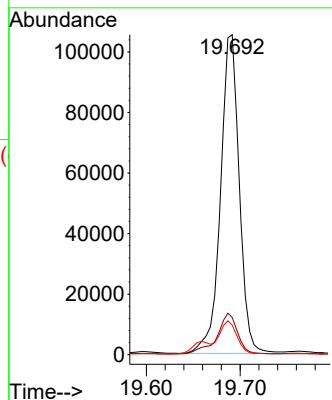
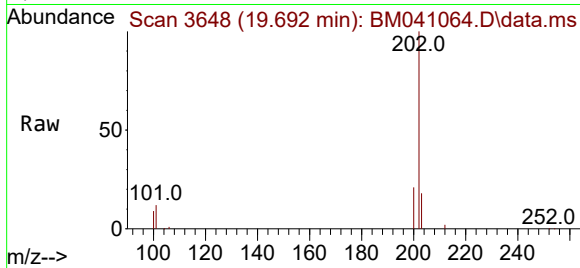




#20
Pyrene
Concen: 1.723 ng/ul
RT: 19.692 min Scan# 3648
Delta R.T. -0.005 min
Lab File: BM041064.D
Acq: 22 Jul 2023 21:17

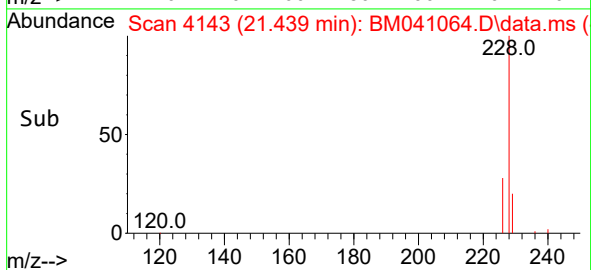
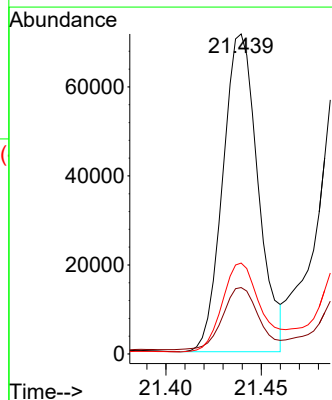
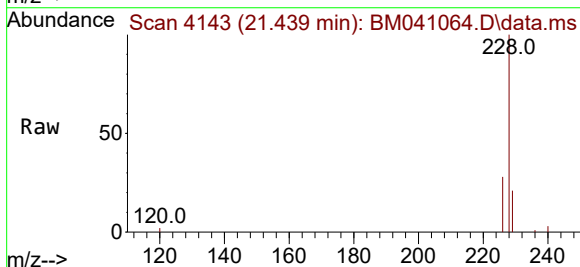
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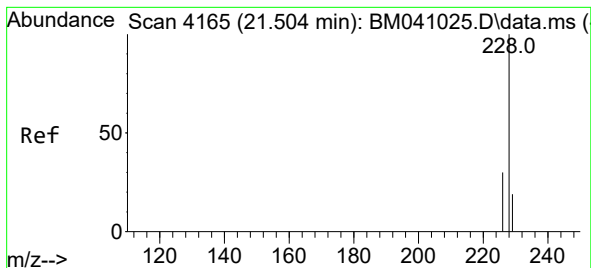
Tgt Ion:202 Resp: 146267
Ion Ratio Lower Upper
202 100
101 11.6 12.5 18.7#
100 9.3 10.0 15.0#



#21
Benzo(a)anthracene
Concen: 1.873 ng/ul
RT: 21.439 min Scan# 4143
Delta R.T. -0.009 min
Lab File: BM041064.D
Acq: 22 Jul 2023 21:17

Tgt Ion:228 Resp: 91818
Ion Ratio Lower Upper
228 100
229 20.7 16.2 24.4
226 28.4 22.3 33.5





#22

Chrysene

Concen: 1.794 ng/ul

RT: 21.492 min Scan# 4161

Delta R.T. -0.009 min

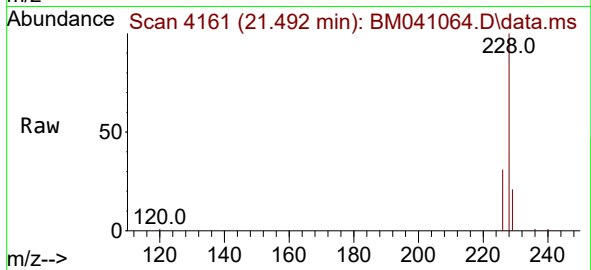
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Acq: 22 Jul 2023 21:17

Instrument :

BNA_M

ClientSampleId :



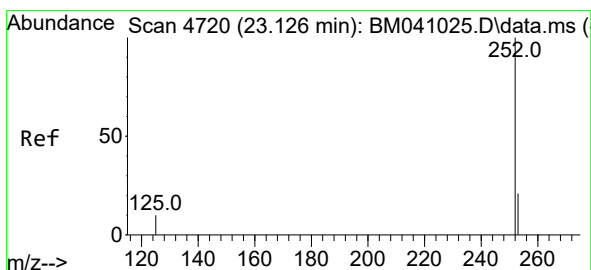
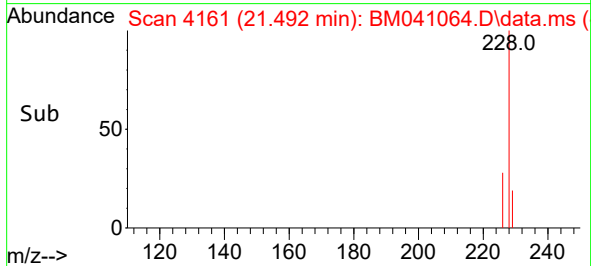
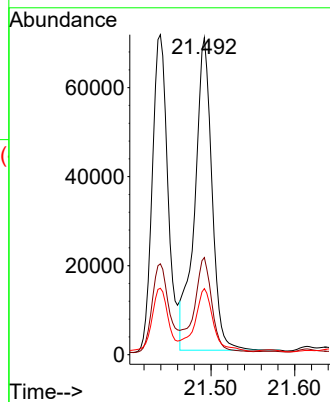
Tgt Ion:228 Resp: 100535

Ion Ratio Lower Upper

228 100

226 30.6 24.6 37.0

229 20.9 16.1 24.1



#24

Benzo(b)fluoranthene

Concen: 2.021 ng/ul

RT: 23.117 min Scan# 4717

Delta R.T. -0.009 min

Lab File: BM041064.D

Acq: 22 Jul 2023 21:17

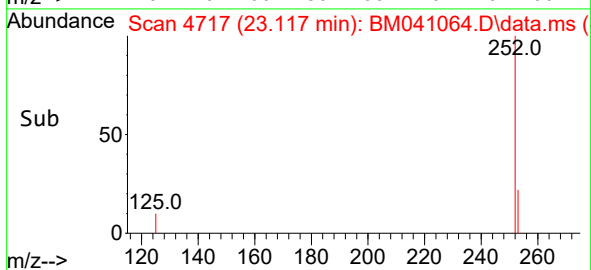
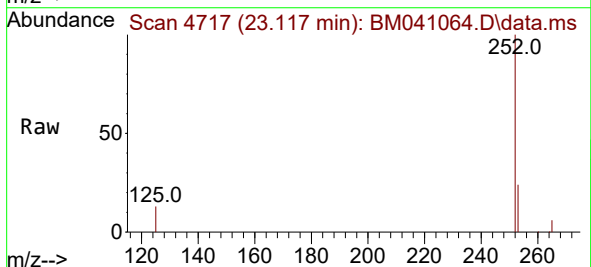
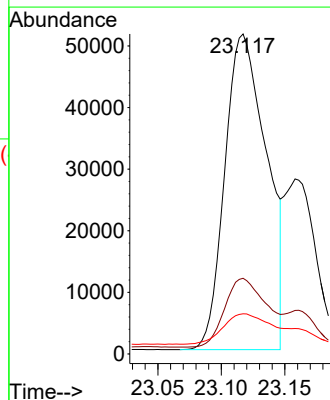
Tgt Ion:252 Resp: 117158

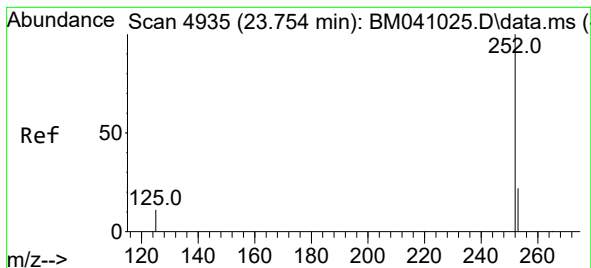
Ion Ratio Lower Upper

252 100

253 23.7 0.0 57.4

125 12.6 0.0 45.2





#26

Benzo(a)pyrene

Concen: 0.251 ng/ul

RT: 23.737 min Scan# 4929

Delta R.T. -0.012 min

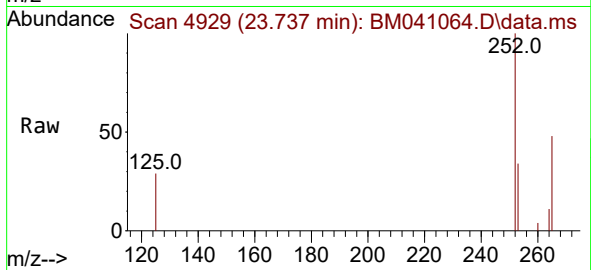
Lab File: BM041064.D

Acq: 22 Jul 2023 21:17

Instrument :

BNA_M

ClientSampleId :



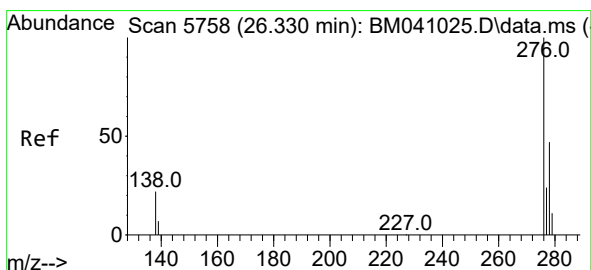
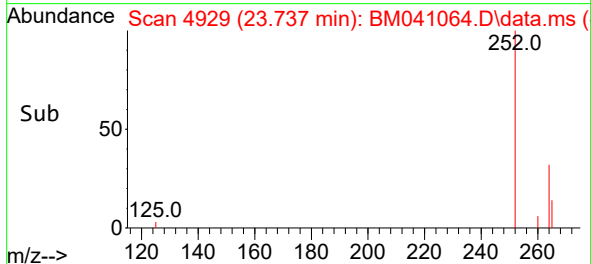
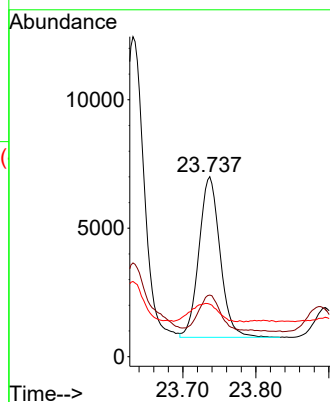
Tgt Ion:252 Resp: 12577

Ion Ratio Lower Upper

252 100

253 34.2 28.2 42.2

125 29.2 25.2 37.8



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.574 ng/ul

RT: 26.307 min Scan# 5751

Delta R.T. -0.020 min

Lab File: BM041064.D

Acq: 22 Jul 2023 21:17

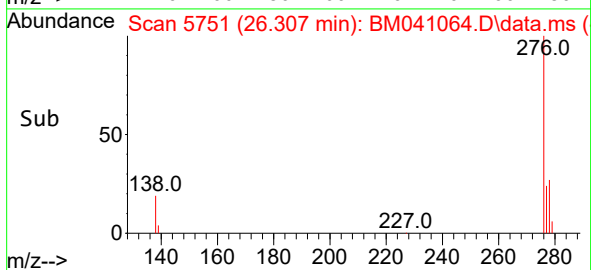
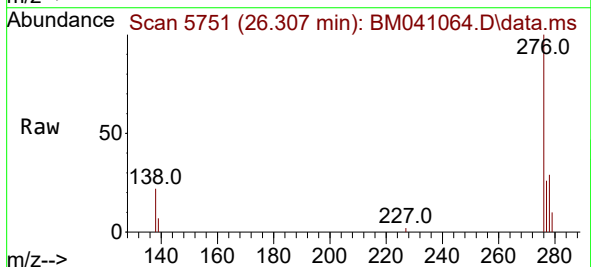
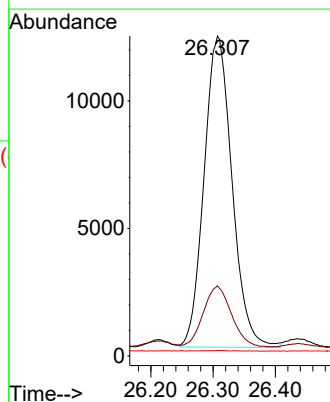
Tgt Ion:276 Resp: 38120

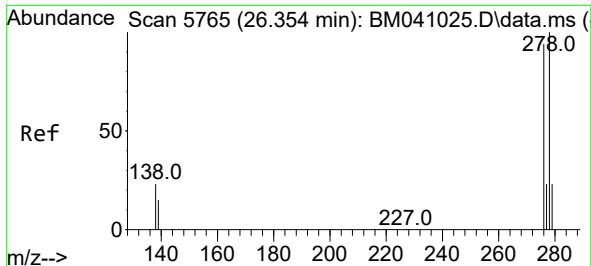
Ion Ratio Lower Upper

276 100

138 19.8 22.3 33.5#

227 0.1 0.0 0.0#

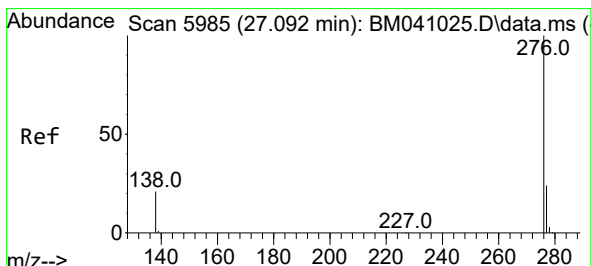
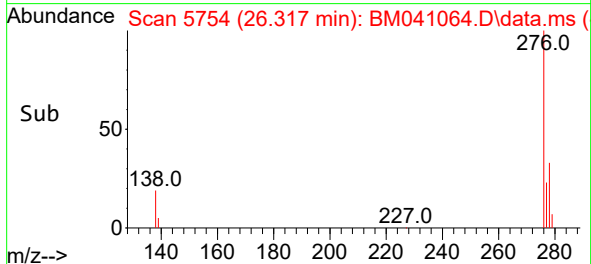
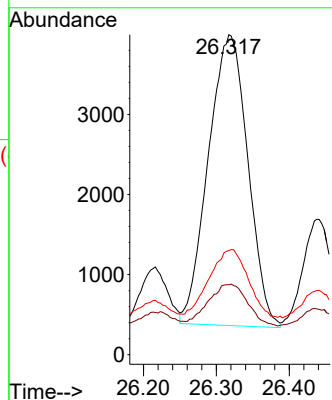
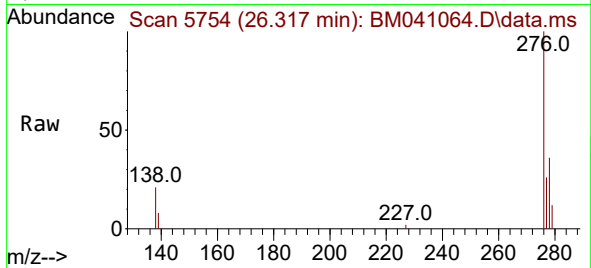




#28
Dibenzo(a,h)anthracene
Concen: 0.272 ng/ul
RT: 26.317 min Scan# 51
Delta R.T. -0.030 min
Lab File: BM041064.D
Acq: 22 Jul 2023 21:17

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:278 Resp: 13673
Ion Ratio Lower Upper
278 100
139 21.8 19.2 28.8
279 32.5 27.0 40.6



#29
Benzo(g,h,i)perylene
Concen: 0.052 ng/ul
RT: 27.068 min Scan# 5978
Delta R.T. -0.017 min
Lab File: BM041064.D
Acq: 22 Jul 2023 21:17

Tgt Ion:276 Resp: 3188
Ion Ratio Lower Upper
276 100
138 41.8 22.6 34.0#
277 42.4 21.2 31.8#

