

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042723\
 Data File : BM039713.D
 Acq On : 27 Apr 2023 19:36
 Operator : CG/JU
 Sample : 02418-23
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW8Z7

Quant Time: Apr 28 02:34:37 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 28 02:30:02 2023
 Response via : Initial Calibration

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

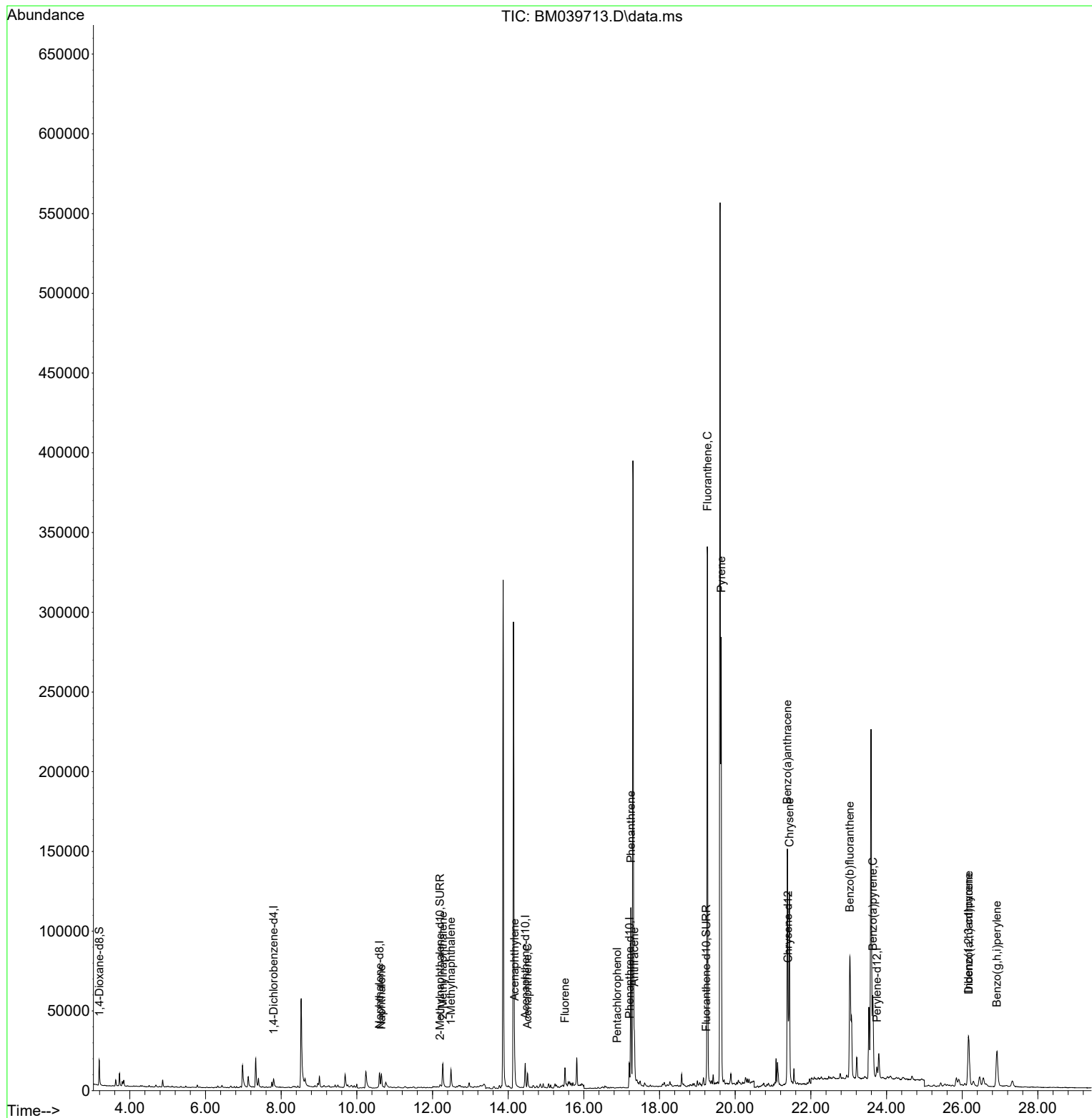
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.800	152	3947	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.601	136	14784	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.451	164	8654	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.204	188	18599	0.400	ng/ul	-0.01
17) Chrysene-d12	21.396	240	12096	0.400	ng/ul	#-0.01
23) Perylene-d12	23.746	264	9485	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	9980	1.716	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.195	152	2895	0.153	ng/ul	-0.02
18) Fluoranthene-d10	19.234	212	6376	0.196	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.650	128	13416	0.361	ng/ul	98
7) 2-Methylnaphthalene	12.272	142	14071	0.657	ng/ul	96
8) 1-Methylnaphthalene	12.487	142	8674	0.377	ng/ul	99
10) Acenaphthylene	14.169	152	15672	0.468	ng/ul	95
11) Acenaphthene	14.511	153	5365	0.204	ng/ul	97
12) Fluorene	15.501	166	7911	0.271	ng/ul#	95
14) Pentachlorophenol	16.879	266	131	0.032	ng/ul	85
15) Phenanthrene	17.242	178	123339	2.517	ng/ul	99
16) Anthracene	17.335	178	28770	0.684	ng/ul	99
19) Fluoranthene	19.267	202	300500	6.963	ng/ul	97
20) Pyrene	19.629	202	226739	4.865	ng/ul	99
21) Benzo(a)anthracene	21.379	228	128759	3.702	ng/ul	99
22) Chrysene	21.432	228	126992	3.227	ng/ul	98
24) Benzo(b)fluoranthene	23.030	252	134502	4.038	ng/ul	96
26) Benzo(a)pyrene	23.638	252	74878	2.504	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	26.164	276	56712	1.500	ng/ul	91
28) Dibenzo(a,h)anthracene	26.174	278	14755	0.503	ng/ul#	87
29) Benzo(g,h,i)perylene	26.919	276	50527	1.533	ng/ul	99

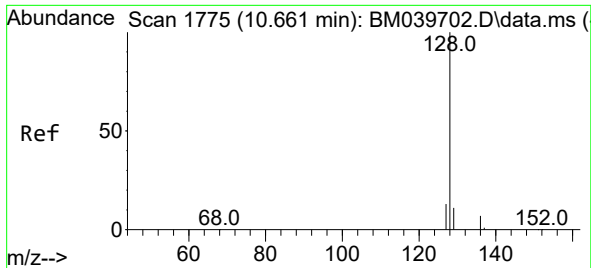
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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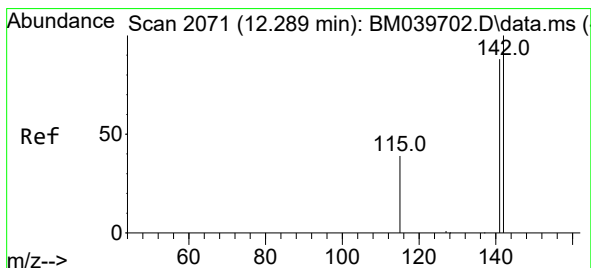
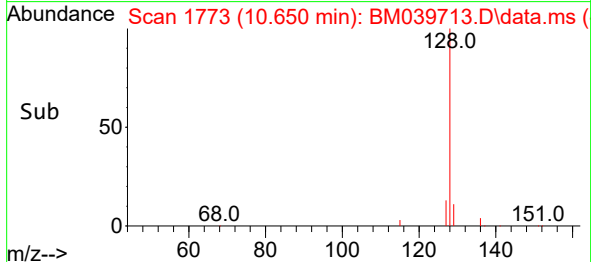
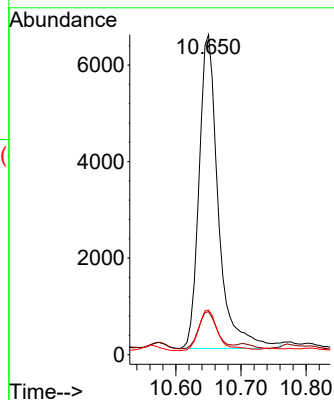
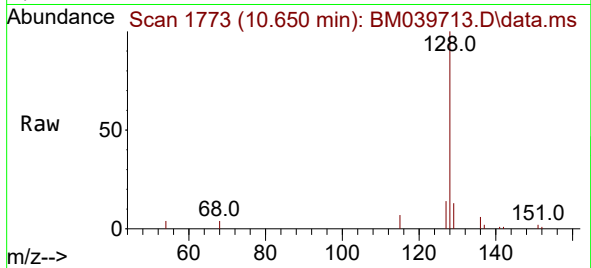




#5
Naphthalene
Concen: 0.361 ng/ul
RT: 10.650 min Scan# 11
Delta R.T. -0.011 min
Lab File: BM039713.D
Acq: 27 Apr 2023 19:36

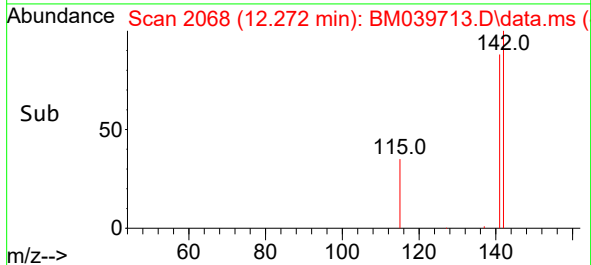
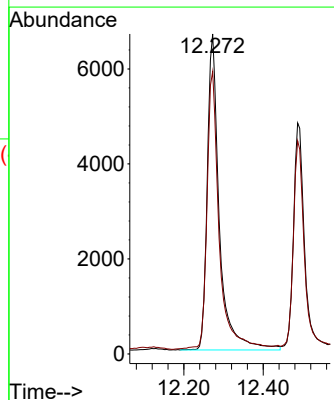
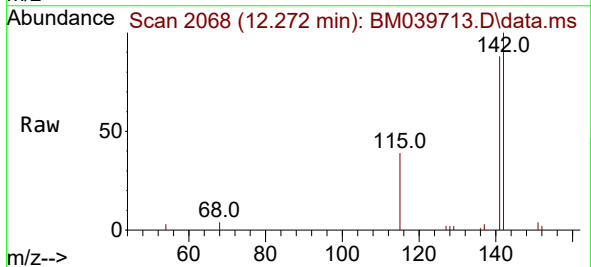
Instrument :
BNA_M
ClientSampleId :
EW8Z7

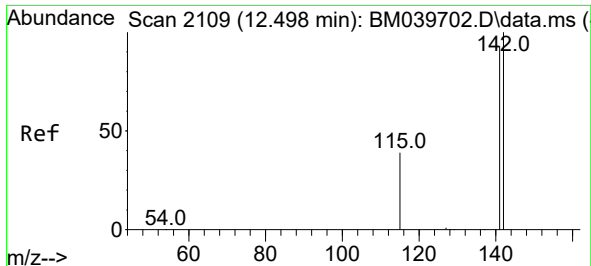
Tgt Ion:128 Resp: 13416
Ion Ratio Lower Upper
128 100
129 13.5 9.8 14.6
127 14.0 11.1 16.7



#7
2-Methylnaphthalene
Concen: 0.657 ng/ul
RT: 12.272 min Scan# 2068
Delta R.T. -0.016 min
Lab File: BM039713.D
Acq: 27 Apr 2023 19:36

Tgt Ion:142 Resp: 14071
Ion Ratio Lower Upper
142 100
141 88.0 73.2 109.8

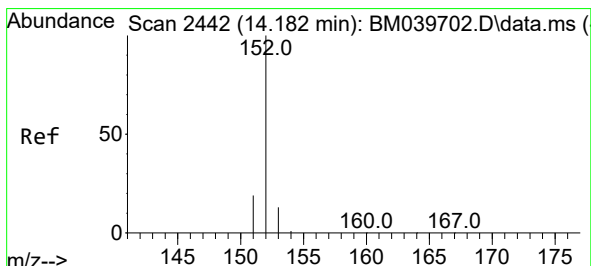
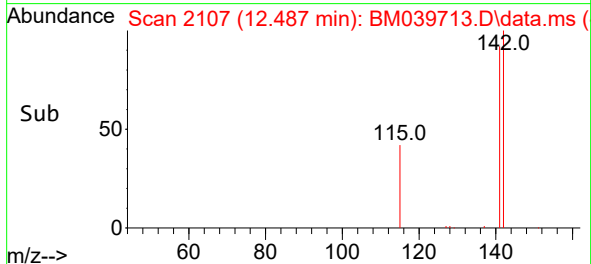
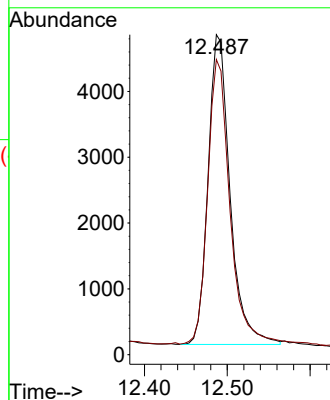
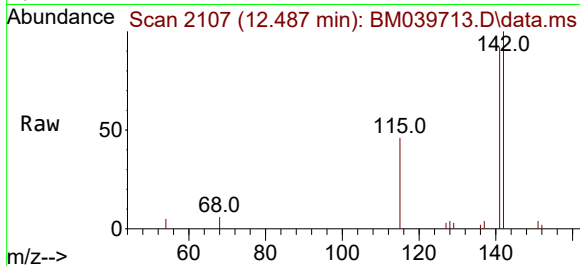




#8
1-Methylnaphthalene
Concen: 0.377 ng/ul
RT: 12.487 min Scan# 2109
Delta R.T. -0.011 min
Lab File: BM039713.D
Acq: 27 Apr 2023 19:36

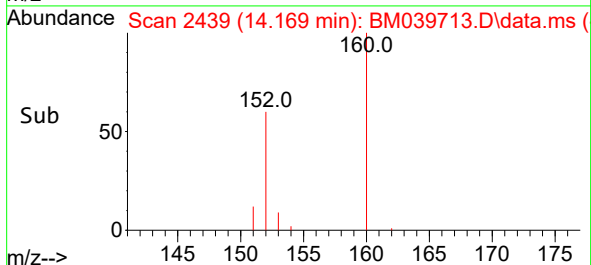
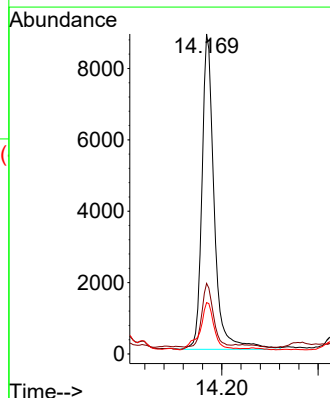
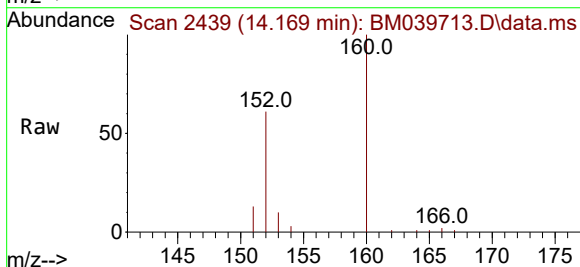
Instrument :
BNA_M
ClientSampleId :
EW8Z7

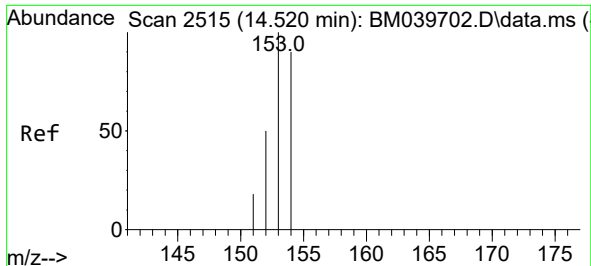
Tgt Ion:142 Resp: 8674
Ion Ratio Lower Upper
142 100
141 92.7 73.4 110.2



#10
Acenaphthylene
Concen: 0.468 ng/ul
RT: 14.169 min Scan# 2439
Delta R.T. -0.014 min
Lab File: BM039713.D
Acq: 27 Apr 2023 19:36

Tgt Ion:152 Resp: 15672
Ion Ratio Lower Upper
152 100
151 22.0 16.0 24.0
153 16.0 11.2 16.8

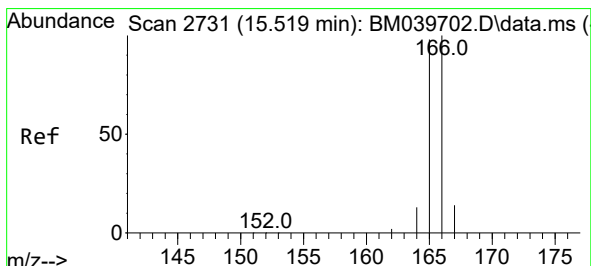
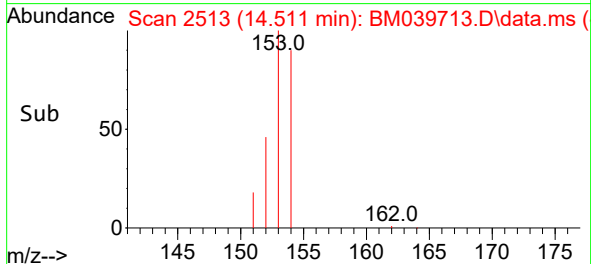
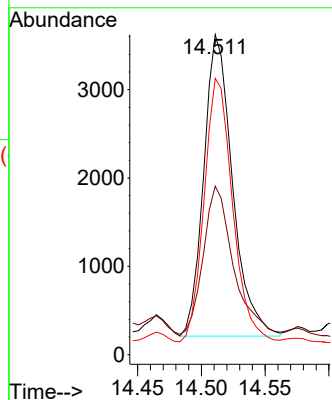
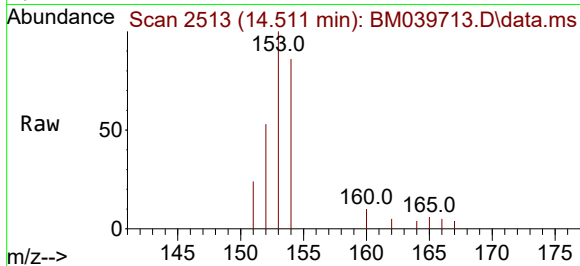




#11
Acenaphthene
Concen: 0.204 ng/ul
RT: 14.511 min Scan# 21
Delta R.T. -0.009 min
Lab File: BM039713.D
Acq: 27 Apr 2023 19:36

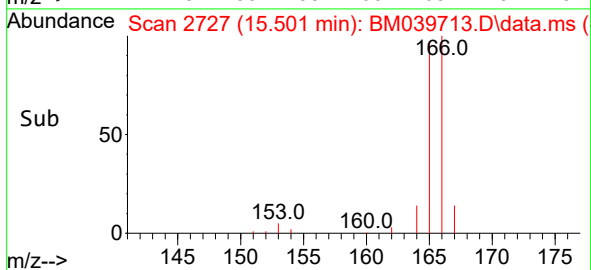
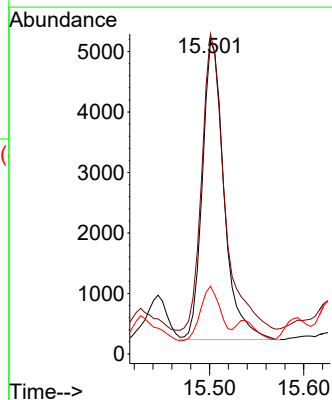
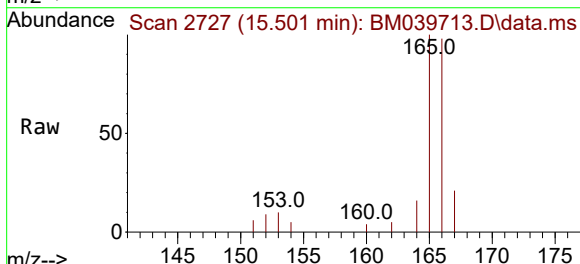
Instrument :
BNA_M
ClientSampleId :
EW8Z7

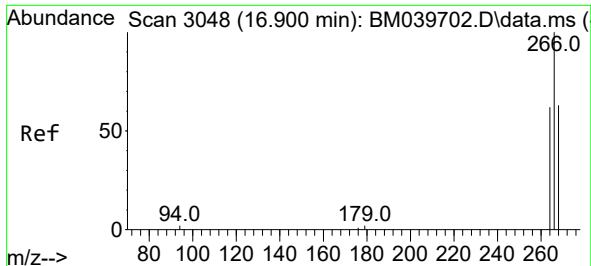
Tgt Ion:153 Resp: 5365
Ion Ratio Lower Upper
153 100
152 52.7 40.6 61.0
154 86.4 71.9 107.9



#12
Fluorene
Concen: 0.271 ng/ul
RT: 15.501 min Scan# 2727
Delta R.T. -0.018 min
Lab File: BM039713.D
Acq: 27 Apr 2023 19:36

Tgt Ion:166 Resp: 7911
Ion Ratio Lower Upper
166 100
165 102.3 79.0 118.6
167 21.7 11.8 17.6#

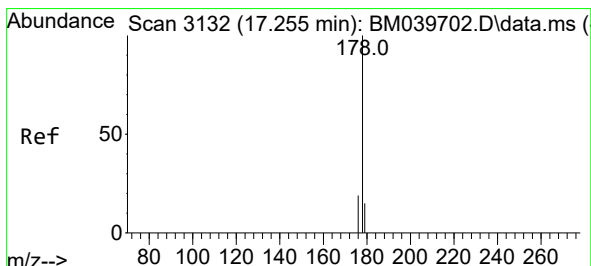
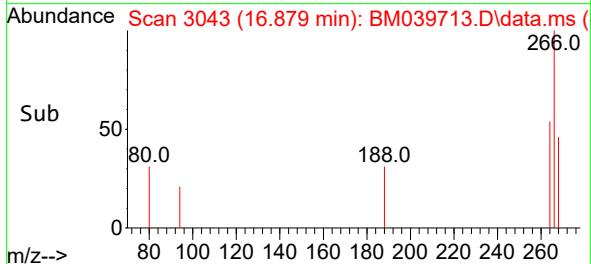
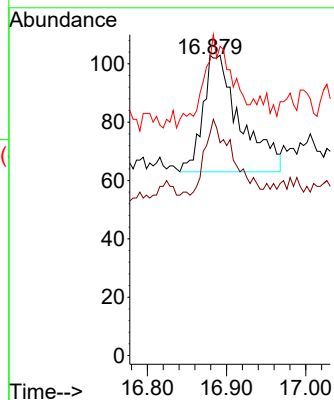
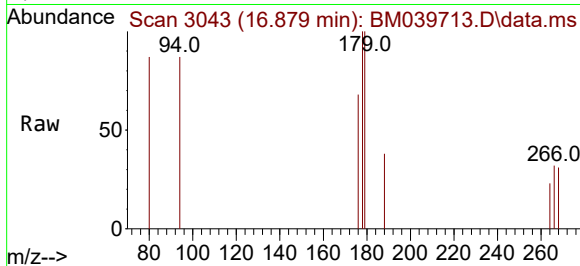




#14
 Pentachlorophenol
 Concen: 0.032 ng/ul
 RT: 16.879 min Scan# 3048
 Delta R.T. -0.021 min
 Lab File: BM039713.D
 Acq: 27 Apr 2023 19:36

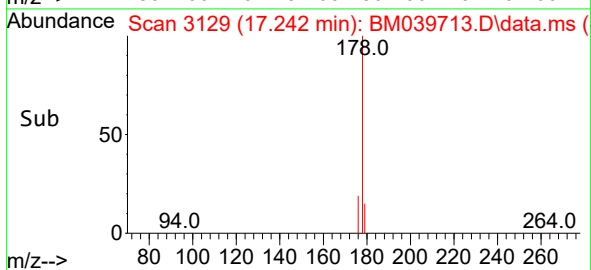
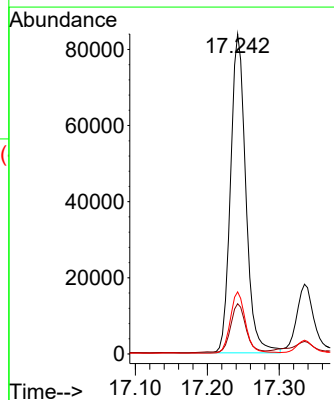
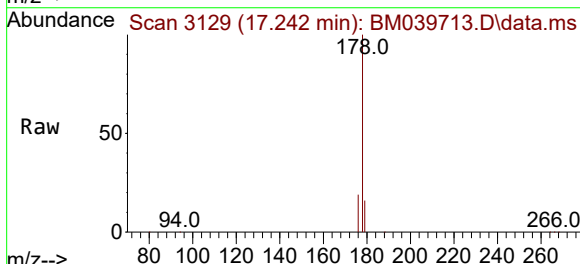
Instrument :
 BNA_M
 ClientSampleId :
 EW8Z7

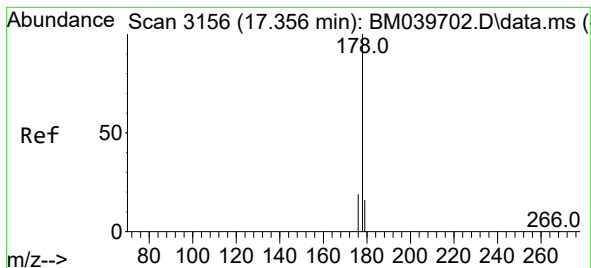
Tgt Ion:266	Resp:	131
Ion Ratio	Lower	Upper
266	100	
264	50.4	48.8 73.2
268	74.8	50.4 75.6



#15
 Phenanthrene
 Concen: 2.517 ng/ul
 RT: 17.242 min Scan# 3129
 Delta R.T. -0.013 min
 Lab File: BM039713.D
 Acq: 27 Apr 2023 19:36

Tgt Ion:178	Resp:	123339
Ion Ratio	Lower	Upper
178	100	
179	15.7	13.0 19.6
176	19.4	15.8 23.8





#16

Anthracene

Concen: 0.684 ng/ul

RT: 17.335 min Scan# 3156

Delta R.T. -0.021 min

Lab File: BM039713.D

Acq: 27 Apr 2023 19:36

Instrument :

BNA_M

ClientSampleId :

EW8Z7

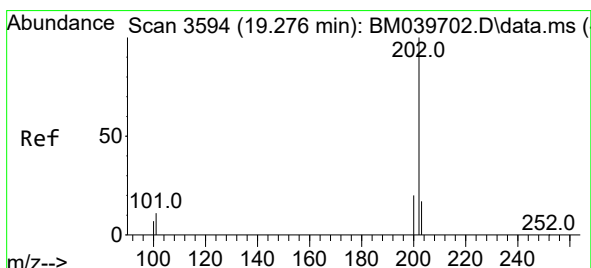
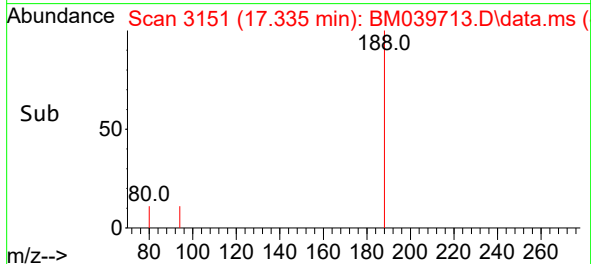
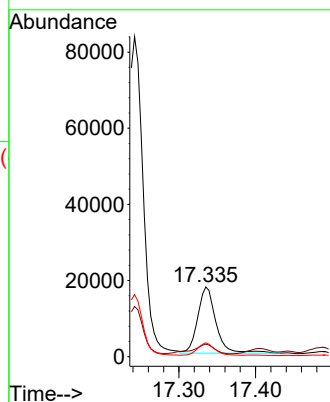
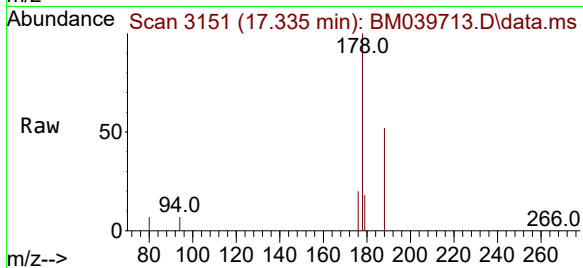
Tgt Ion:178 Resp: 28770

Ion Ratio Lower Upper

178 100

179 17.8 13.8 20.6

176 19.7 15.8 23.8



#19

Fluoranthene

Concen: 6.963 ng/ul

RT: 19.267 min Scan# 3592

Delta R.T. -0.009 min

Lab File: BM039713.D

Acq: 27 Apr 2023 19:36

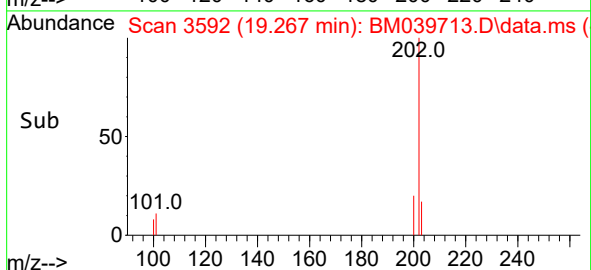
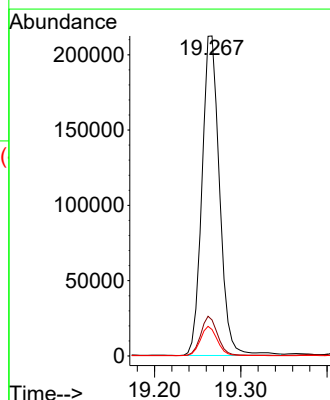
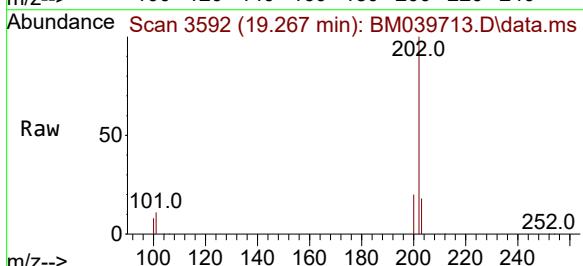
Tgt Ion:202 Resp: 300500

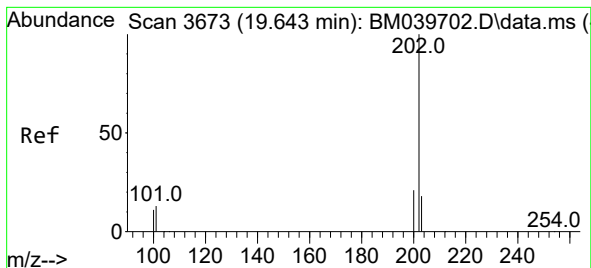
Ion Ratio Lower Upper

202 100

101 11.3 9.8 14.8

100 8.2 7.3 10.9





#20

Pyrene

Concen: 4.865 ng/ul

RT: 19.629 min Scan# 3

Delta R.T. -0.014 min

Lab File: BM039713.D

Acq: 27 Apr 2023 19:36

Instrument :

BNA_M

ClientSampleId :

EW8Z7

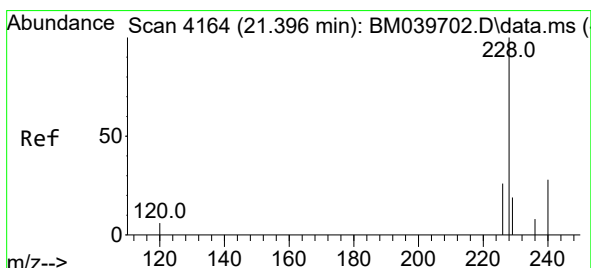
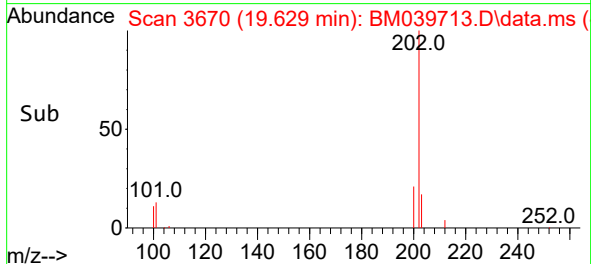
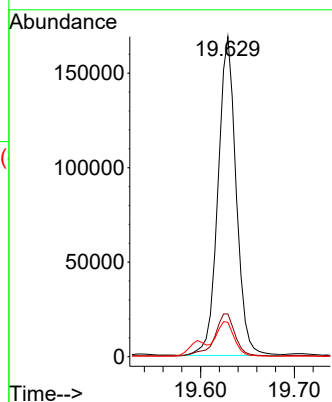
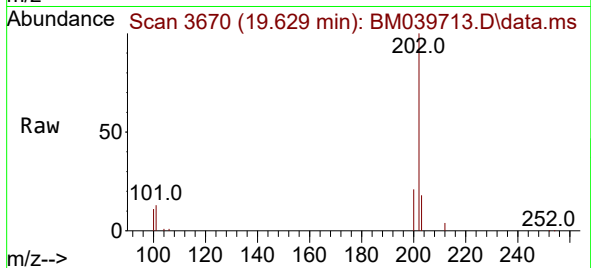
Tgt Ion:202 Resp: 226739

Ion Ratio Lower Upper

202 100

101 13.4 10.9 16.3

100 10.8 8.9 13.3



#21

Benzo(a)anthracene

Concen: 3.702 ng/ul

RT: 21.379 min Scan# 4158

Delta R.T. -0.017 min

Lab File: BM039713.D

Acq: 27 Apr 2023 19:36

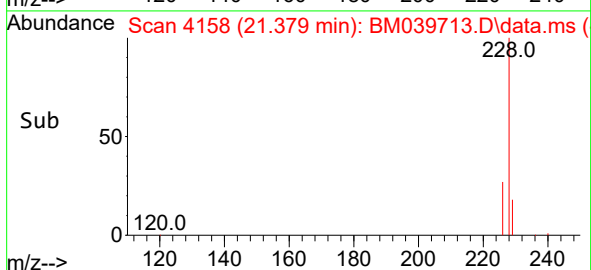
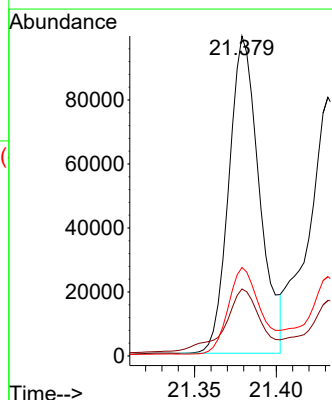
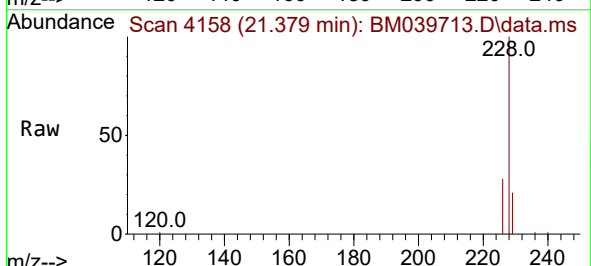
Tgt Ion:228 Resp: 128759

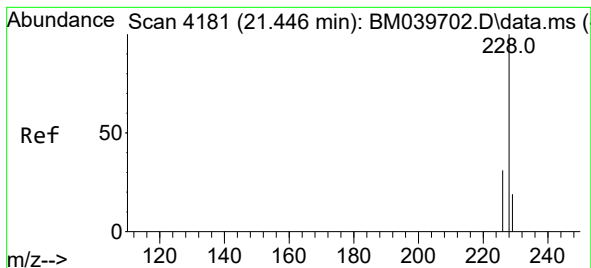
Ion Ratio Lower Upper

228 100

229 21.0 16.2 24.2

226 27.7 21.6 32.4





#22

Chrysene

Concen: 3.227 ng/ul

RT: 21.432 min Scan# 41

Delta R.T. -0.015 min

Lab File: BM039713.D

Acq: 27 Apr 2023 19:36

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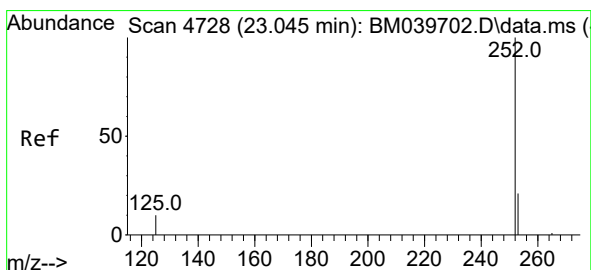
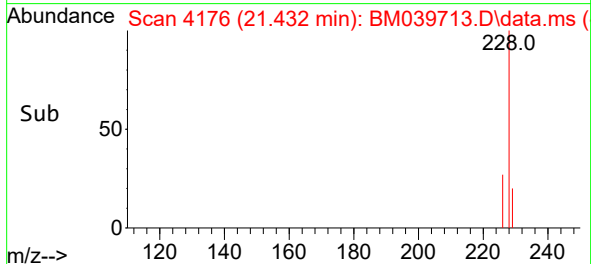
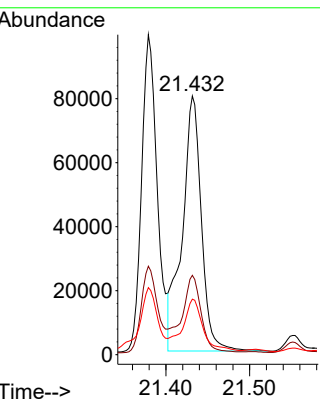
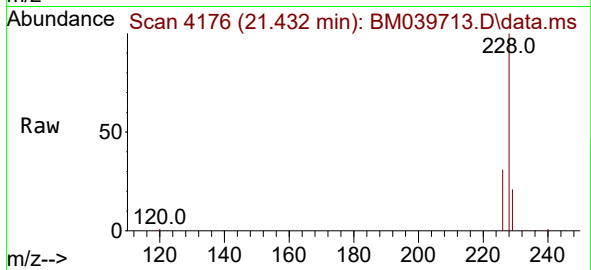
Tgt Ion:228 Resp: 126992

Ion Ratio Lower Upper

228 100

226 30.7 24.3 36.5

229 21.5 15.9 23.9



#24

Benzo(b)fluoranthene

Concen: 4.038 ng/ul

RT: 23.030 min Scan# 4723

Delta R.T. -0.015 min

Lab File: BM039713.D

Acq: 27 Apr 2023 19:36

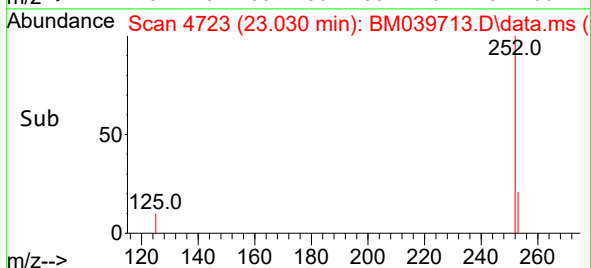
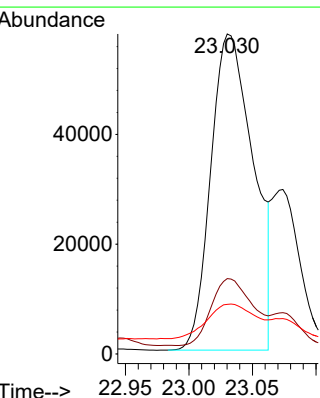
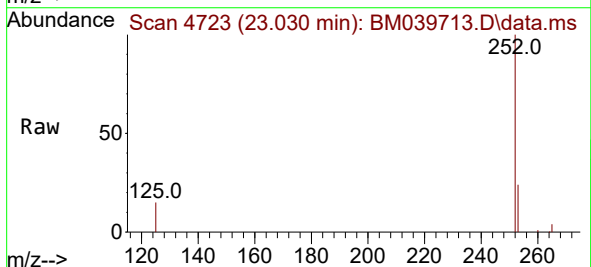
Tgt Ion:252 Resp: 134502

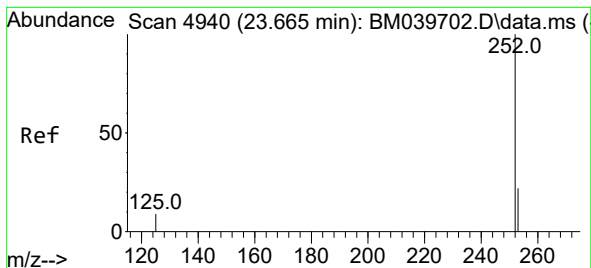
Ion Ratio Lower Upper

252 100

253 23.5 0.0 52.8

125 15.5 0.0 31.6





#26

Benzo(a)pyrene

Concen: 2.504 ng/ul

RT: 23.638 min Scan# 4940

Delta R.T. -0.026 min

Lab File: BM039713.D

Acq: 27 Apr 2023 19:36

Instrument :

BNA_M

ClientSampleId :

EW8Z7

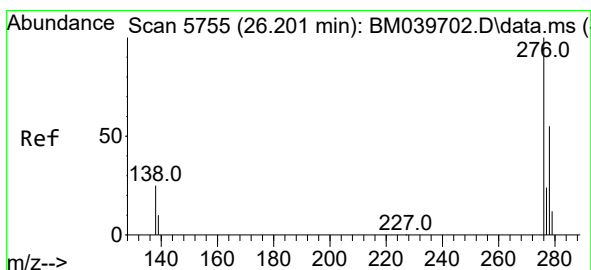
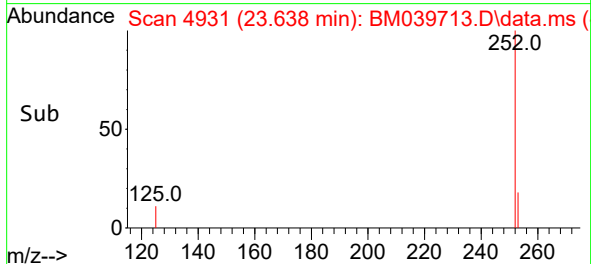
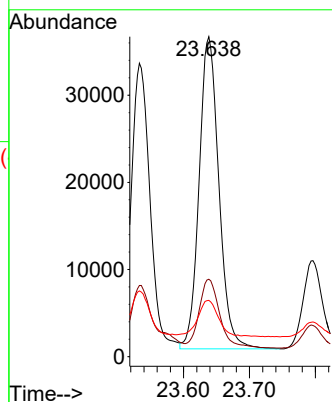
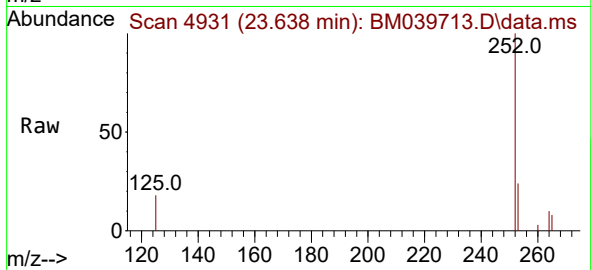
Tgt Ion:252 Resp: 74878

Ion Ratio Lower Upper

252 100

253 24.2 24.7 37.1#

125 17.6 16.5 24.7



#27

Indeno(1,2,3-cd)pyrene

Concen: 1.500 ng/ul

RT: 26.164 min Scan# 5744

Delta R.T. -0.037 min

Lab File: BM039713.D

Acq: 27 Apr 2023 19:36

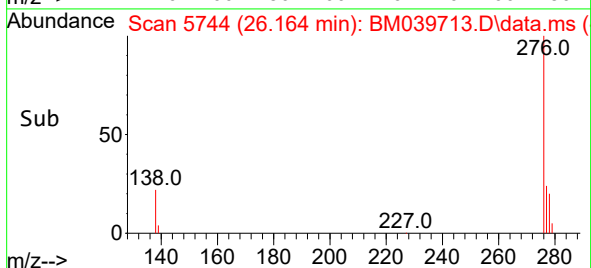
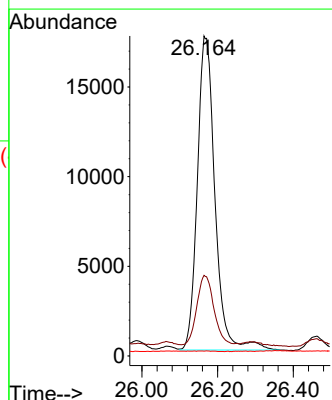
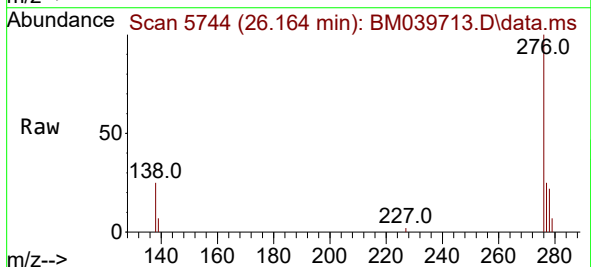
Tgt Ion:276 Resp: 56712

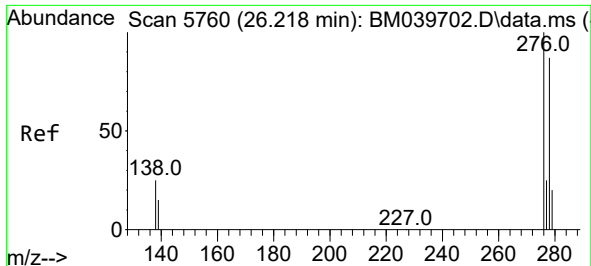
Ion Ratio Lower Upper

276 100

138 21.6 21.1 31.7

227 0.1 0.1 0.1

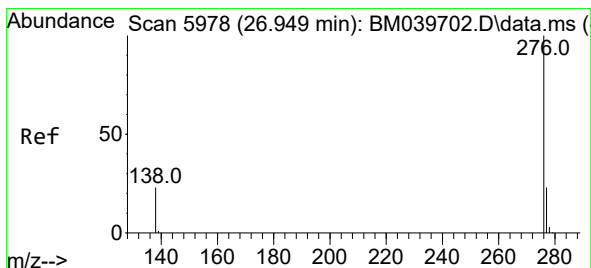
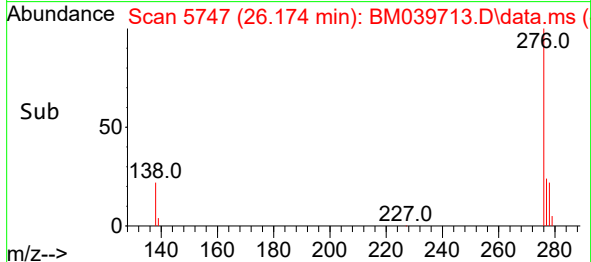
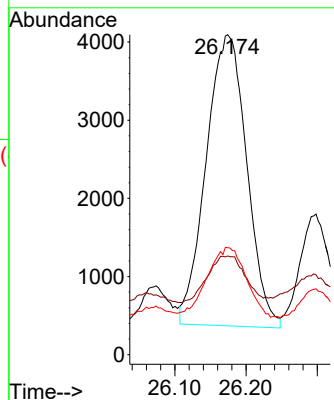
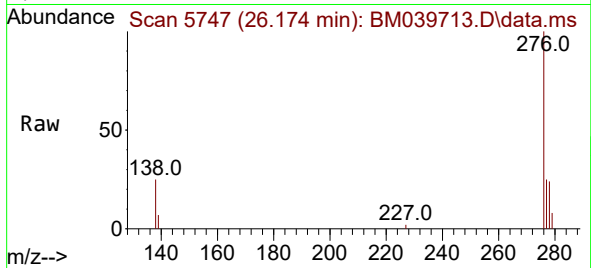




#28
Dibenzo(a,h)anthracene
Concen: 0.503 ng/ul
RT: 26.174 min Scan# 51
Delta R.T. -0.044 min
Lab File: BM039713.D
Acq: 27 Apr 2023 19:36

Instrument :
BNA_M
ClientSampleId :
EW8Z7

Tgt Ion:278 Resp: 14755
Ion Ratio Lower Upper
278 100
139 30.8 17.0 25.6#
279 33.5 23.4 35.2



#29
Benzo(g,h,i)perylene
Concen: 1.533 ng/ul
RT: 26.919 min Scan# 5969
Delta R.T. -0.030 min
Lab File: BM039713.D
Acq: 27 Apr 2023 19:36

Tgt Ion:276 Resp: 50527
Ion Ratio Lower Upper
276 100
138 25.8 20.1 30.1
277 24.8 20.1 30.1

