

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
 Data File : BM039788.D
 Acq On : 01 May 2023 21:38
 Operator : CG/JU
 Sample : 02417-18
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW8Y4

Quant Time: May 02 01:27:43 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 : Sat Apr 29 04:28:45 2023
 Response via : Initial Calibration

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

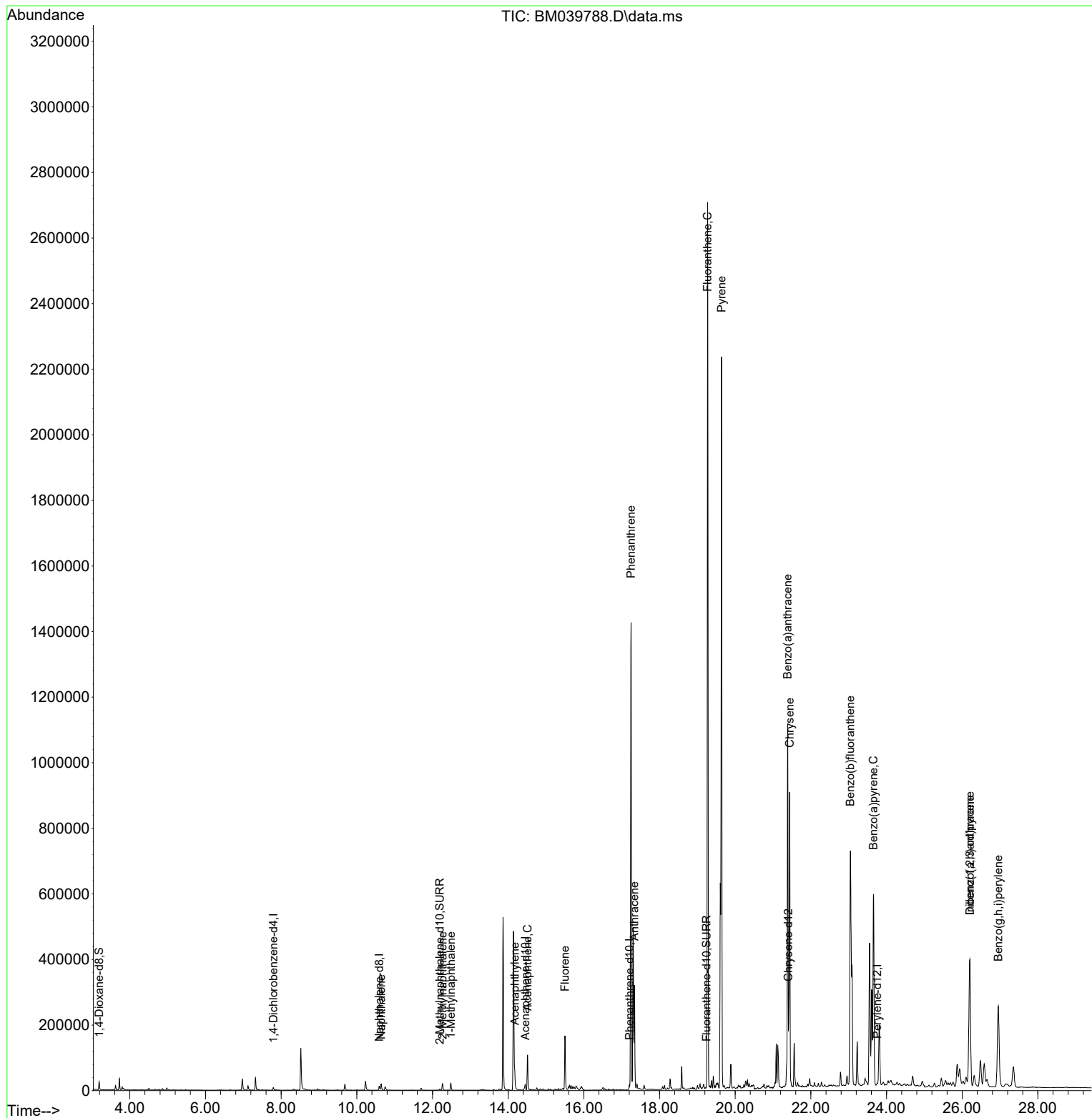
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.792	152	4636	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.595	136	17080	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.451	164	9688	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.204	188	19027	0.400	ng/ul	0.00
17) Chrysene-d12	21.405	240	7998	0.400	ng/ul	# 0.00
23) Perylene-d12	23.755	264	10667	0.400	ng/ul	# 0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.189	96	15214	2.227	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.190	152	4836	0.221	ng/ul	-0.01
18) Fluoranthene-d10	19.239	212	6984	0.325	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.645	128	27947	0.652	ng/ul	98
7) 2-Methylnaphthalene	12.267	142	16349	0.660	ng/ul	96
8) 1-Methylnaphthalene	12.487	142	15592	0.587	ng/ul	100
10) Acenaphthylene	14.173	152	79359	2.116	ng/ul	99
11) Acenaphthene	14.511	153	59549	2.022	ng/ul	98
12) Fluorene	15.501	166	101122	3.094	ng/ul	98
15) Phenanthrene	17.246	178	1504406	30.011	ng/ul	99
16) Anthracene	17.335	178	320995	7.458	ng/ul	97
19) Fluoranthene	19.271	202	2342779	82.106	ng/ul	99
20) Pyrene	19.638	202	1865491	60.541	ng/ul	100
21) Benzo(a)anthracene	21.388	228	975307	42.413	ng/ul	98
22) Chrysene	21.440	228	887726	34.113	ng/ul	98
24) Benzo(b)fluoranthene	23.045	252	1282588	34.237	ng/ul	92
26) Benzo(a)pyrene	23.656	252	828136	24.622	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	26.201	276	650881	15.304	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.201	278	164928	4.996	ng/ul	99
29) Benzo(g,h,i)perylene	26.952	276	548266	14.795	ng/ul	97

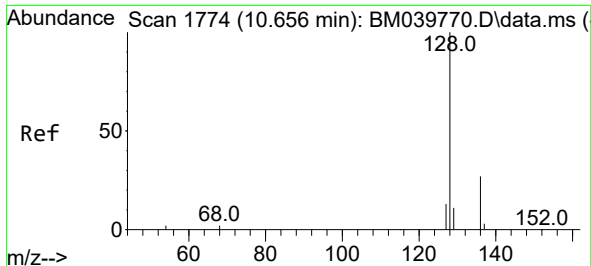
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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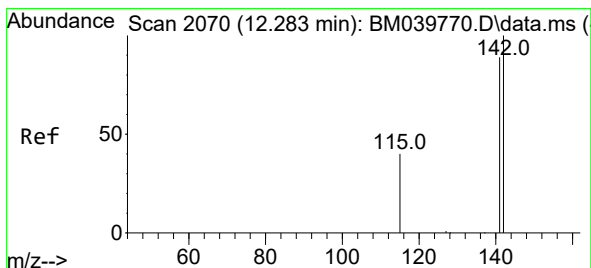
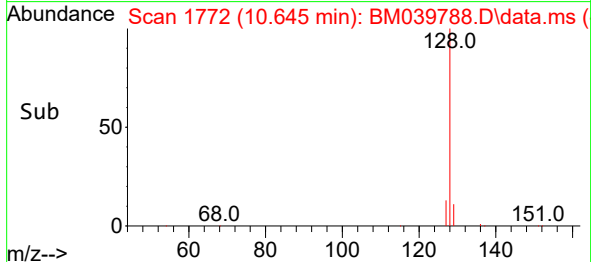
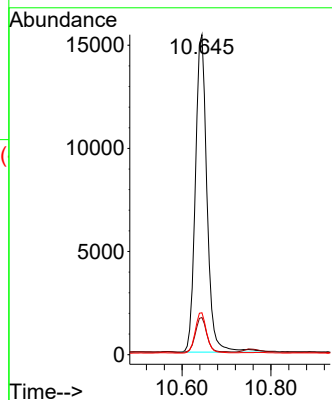
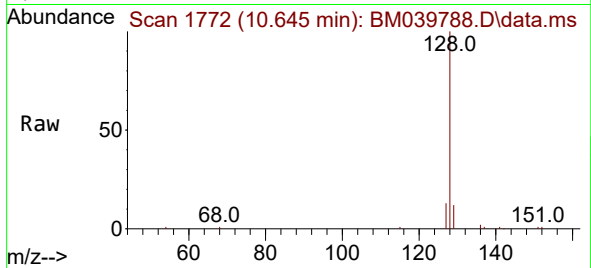




#5
Naphthalene
Concen: 0.652 ng/ul
RT: 10.645 min Scan# 11
Delta R.T. -0.011 min
Lab File: BM039788.D
Acq: 01 May 2023 21:38

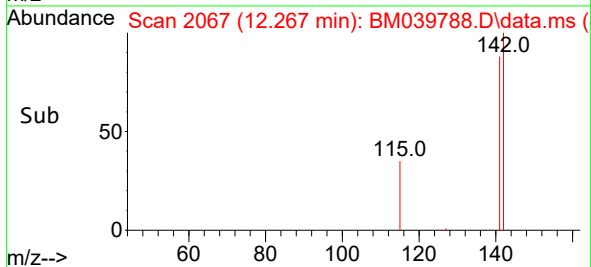
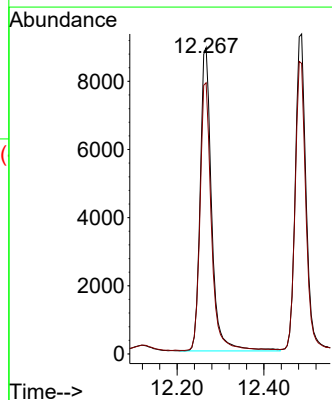
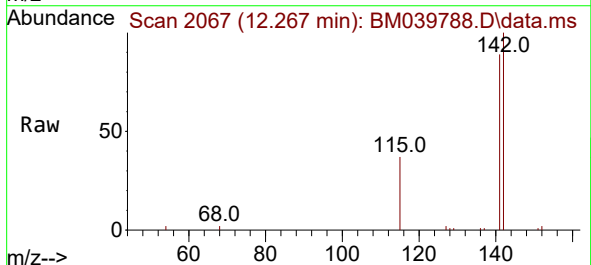
Instrument :
BNA_M
ClientSampleId :
EW8Y4

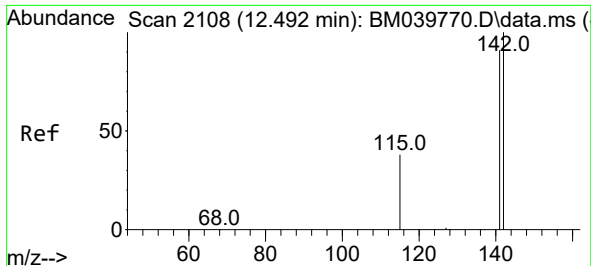
Tgt Ion:128 Resp: 27947
Ion Ratio Lower Upper
128 100
129 11.6 9.8 14.6
127 13.1 11.1 16.7



#7
2-Methylnaphthalene
Concen: 0.660 ng/ul
RT: 12.267 min Scan# 2067
Delta R.T. -0.011 min
Lab File: BM039788.D
Acq: 01 May 2023 21:38

Tgt Ion:142 Resp: 16349
Ion Ratio Lower Upper
142 100
141 87.8 73.2 109.8

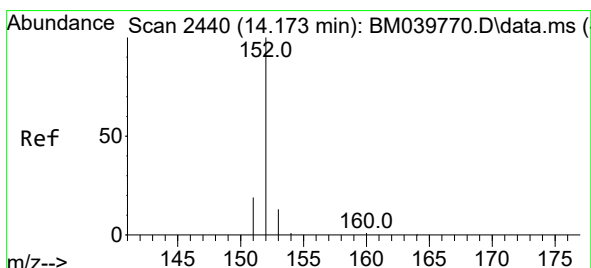
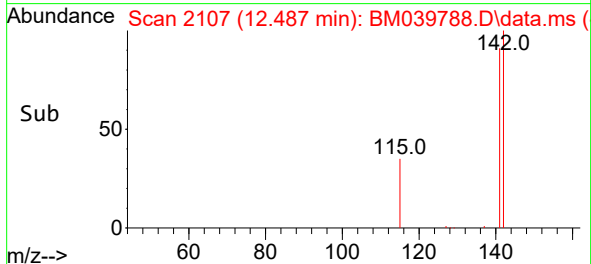
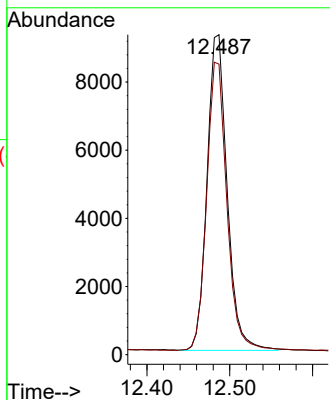
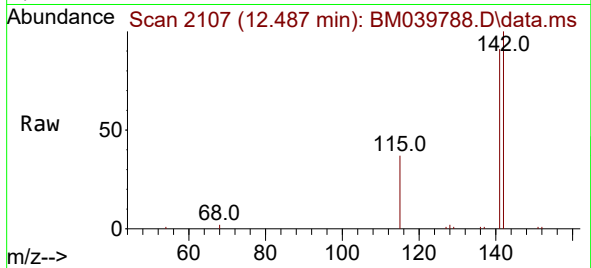




#8
1-Methylnaphthalene
Concen: 0.587 ng/ul
RT: 12.487 min Scan# 2108
Delta R.T. -0.005 min
Lab File: BM039788.D
Acq: 01 May 2023 21:38

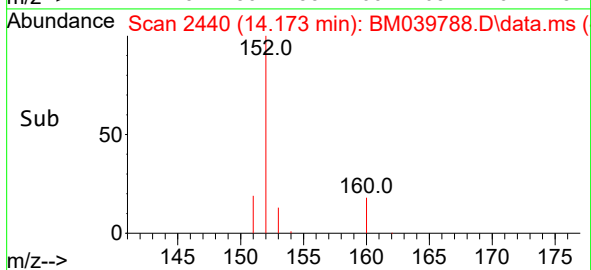
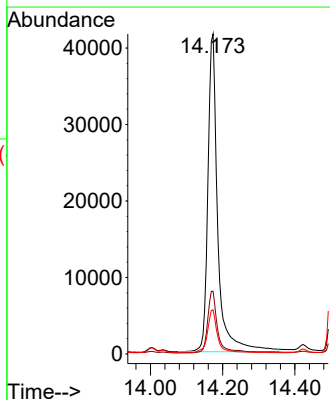
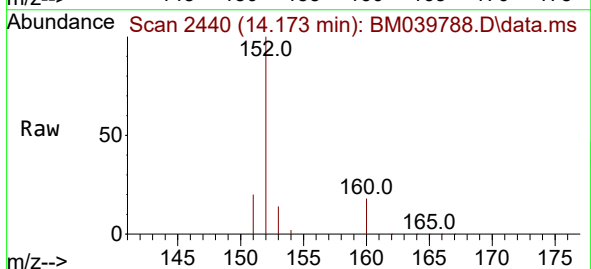
Instrument :
BNA_M
ClientSampleId :
EW8Y4

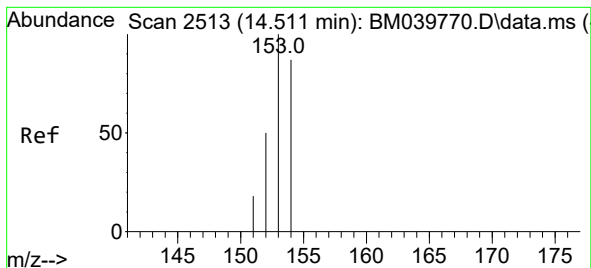
Tgt Ion:142 Resp: 15592
Ion Ratio Lower Upper
142 100
141 91.8 73.4 110.2



#10
Acenaphthylene
Concen: 2.116 ng/ul
RT: 14.173 min Scan# 2440
Delta R.T. 0.000 min
Lab File: BM039788.D
Acq: 01 May 2023 21:38

Tgt Ion:152 Resp: 79359
Ion Ratio Lower Upper
152 100
151 19.6 16.0 24.0
153 13.8 11.2 16.8





#11

Acenaphthene

Concen: 2.022 ng/ul

RT: 14.511 min Scan# 2513

Delta R.T. 0.000 min

Lab File: BM039788.D

Acq: 01 May 2023 21:38

Instrument :

BNA_M

ClientSampleId :

EW8Y4

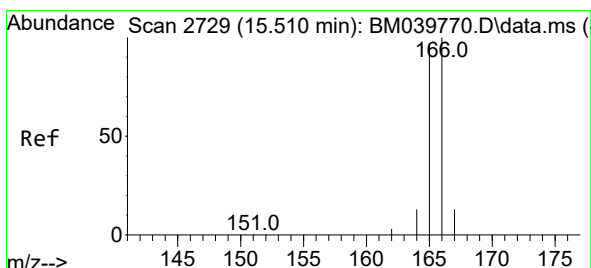
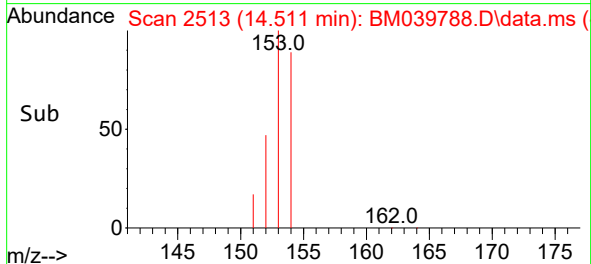
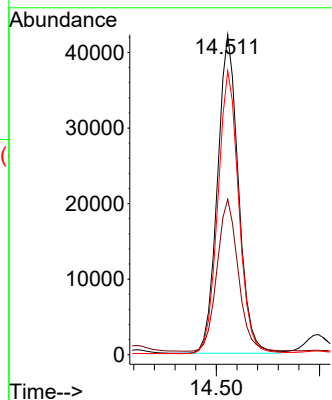
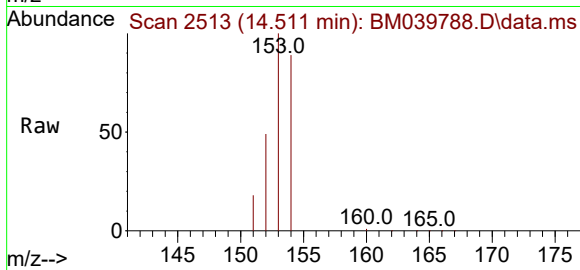
Tgt Ion:153 Resp: 59549

Ion Ratio Lower Upper

153 100

152 48.5 40.6 61.0

154 88.7 71.9 107.9



#12

Fluorene

Concen: 3.094 ng/ul

RT: 15.501 min Scan# 2727

Delta R.T. -0.009 min

Lab File: BM039788.D

Acq: 01 May 2023 21:38

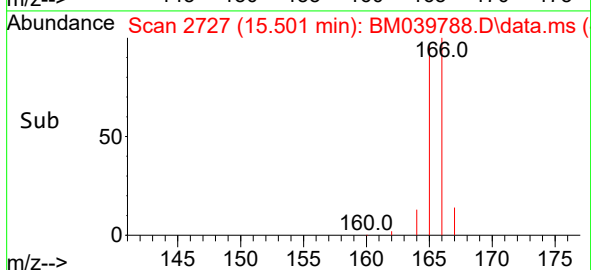
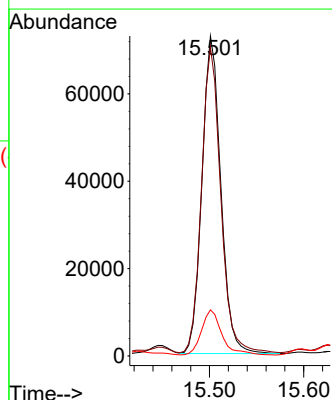
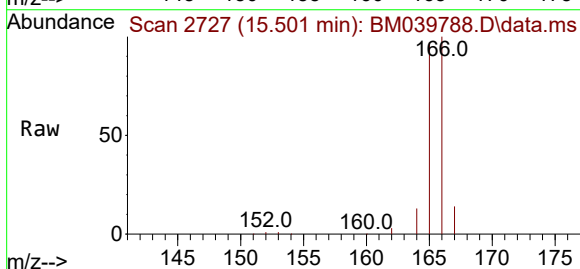
Tgt Ion:166 Resp: 101122

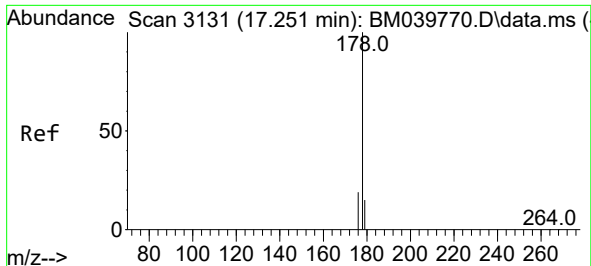
Ion Ratio Lower Upper

166 100

165 96.5 79.0 118.6

167 14.4 11.8 17.6

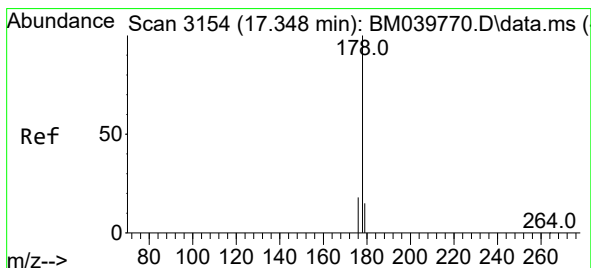
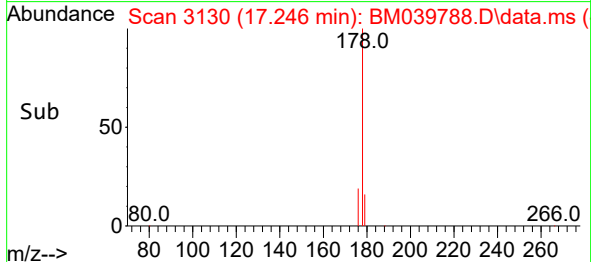
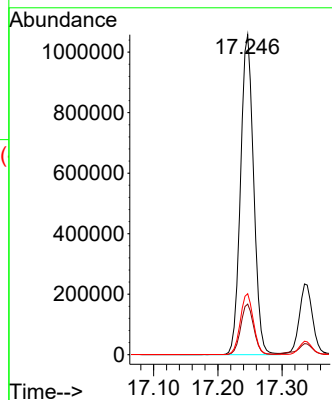
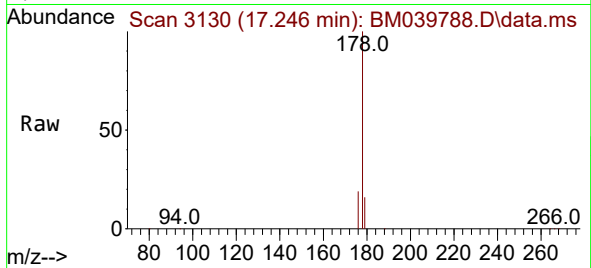




#15
Phenanthrene
Concen: 30.011 ng/ul
RT: 17.246 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BM039788.D
Acq: 01 May 2023 21:38

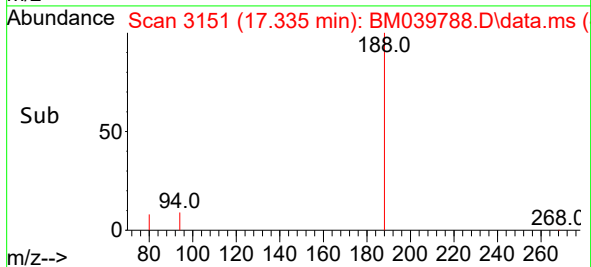
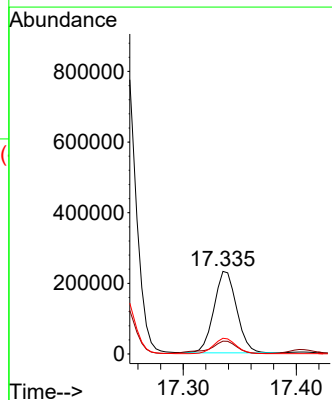
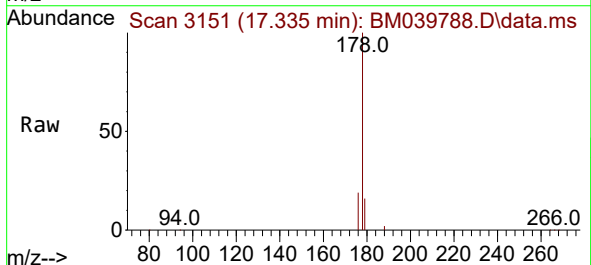
Instrument :
BNA_M
ClientSampleId :
EW8Y4

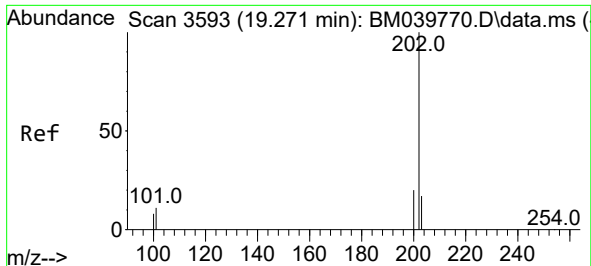
Tgt Ion:178 Resp: 1504406
Ion Ratio Lower Upper
178 100
179 15.8 13.0 19.6
176 19.0 15.8 23.8



#16
Anthracene
Concen: 7.458 ng/ul
RT: 17.335 min Scan# 3151
Delta R.T. -0.008 min
Lab File: BM039788.D
Acq: 01 May 2023 21:38

Tgt Ion:178 Resp: 320995
Ion Ratio Lower Upper
178 100
179 15.5 13.8 20.6
176 18.9 15.8 23.8

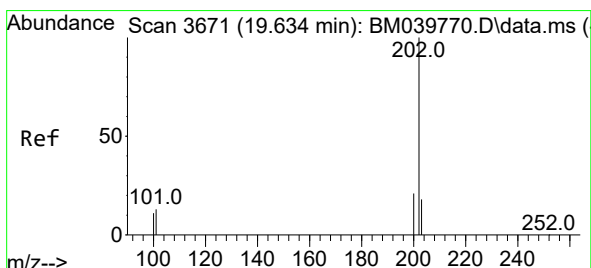
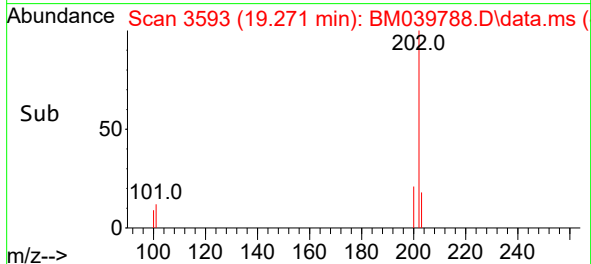
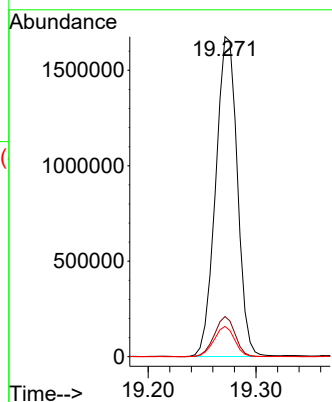
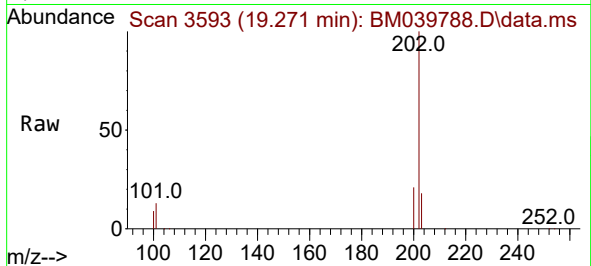




#19
Fluoranthene
Concen: 82.106 ng/ul
RT: 19.271 min Scan# 3593
Delta R.T. 0.005 min
Lab File: BM039788.D
Acq: 01 May 2023 21:38

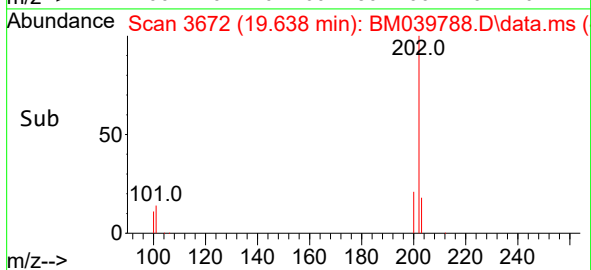
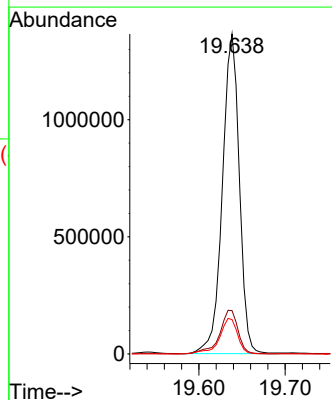
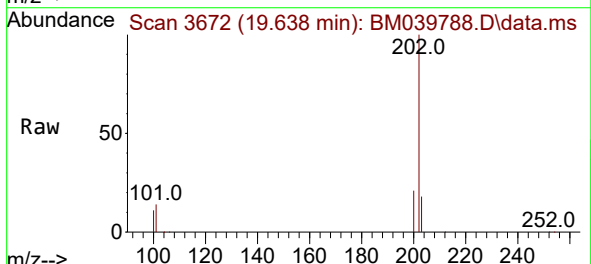
Instrument :
BNA_M
ClientSampleId :
EW8Y4

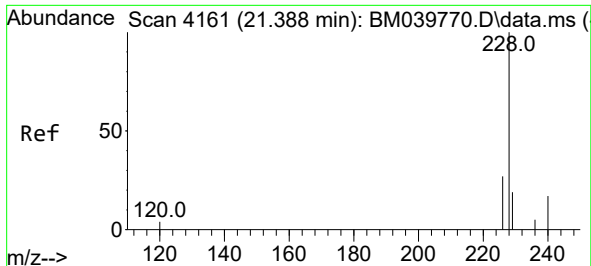
Tgt Ion:202 Resp: 2342779
Ion Ratio Lower Upper
202 100
101 12.6 9.8 14.8
100 9.5 7.3 10.9



#20
Pyrene
Concen: 60.541 ng/ul
RT: 19.638 min Scan# 3672
Delta R.T. 0.005 min
Lab File: BM039788.D
Acq: 01 May 2023 21:38

Tgt Ion:202 Resp: 1865491
Ion Ratio Lower Upper
202 100
101 13.6 10.9 16.3
100 10.8 8.9 13.3

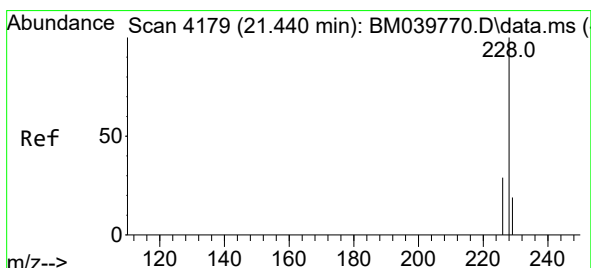
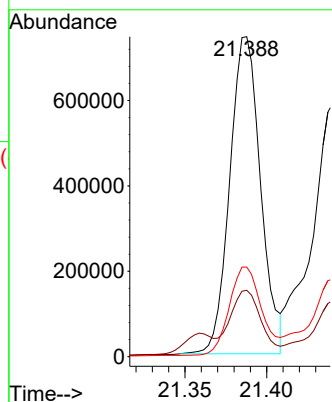
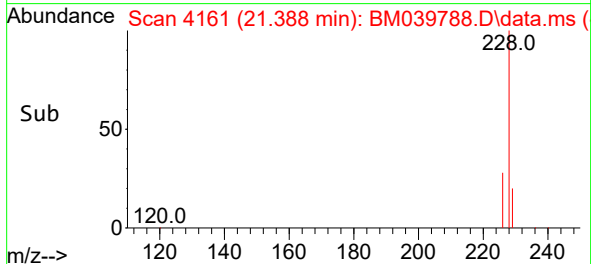
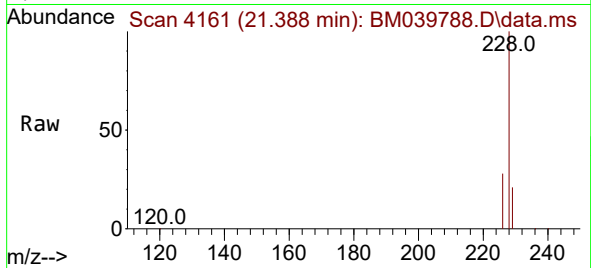




#21
Benzo(a)anthracene
Concen: 42.413 ng/ul
RT: 21.388 min Scan# 4161
Delta R.T. 0.004 min
Lab File: BM039788.D
Acq: 01 May 2023 21:38

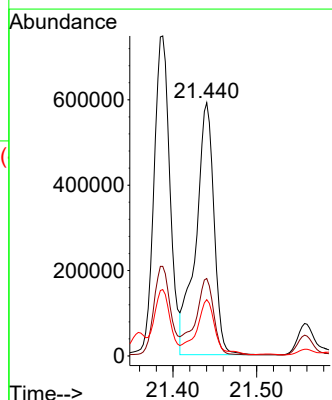
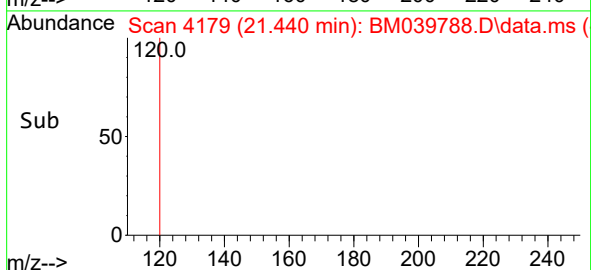
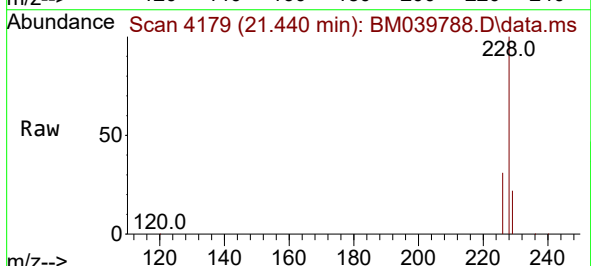
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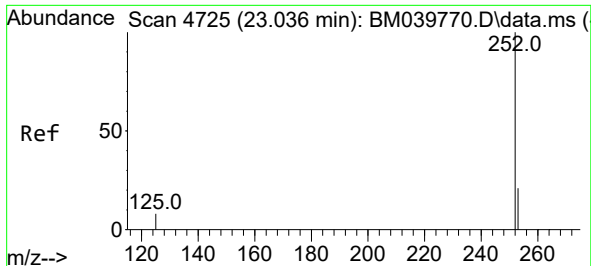
Tgt Ion:228 Resp: 975307
Ion Ratio Lower Upper
228 100
229 20.7 16.2 24.2
226 28.0 21.6 32.4



#22
Chrysene
Concen: 34.113 ng/ul
RT: 21.440 min Scan# 4179
Delta R.T. 0.004 min
Lab File: BM039788.D
Acq: 01 May 2023 21:38

Tgt Ion:228 Resp: 887726
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 22.2 15.9 23.9

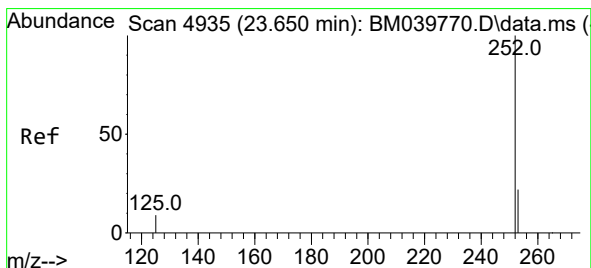
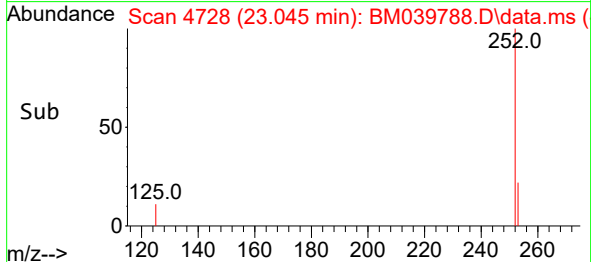
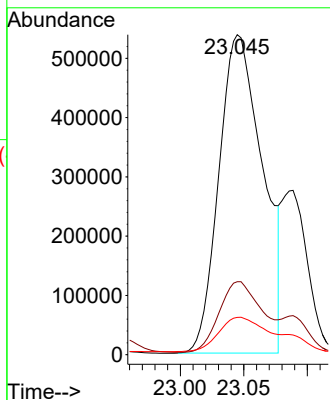
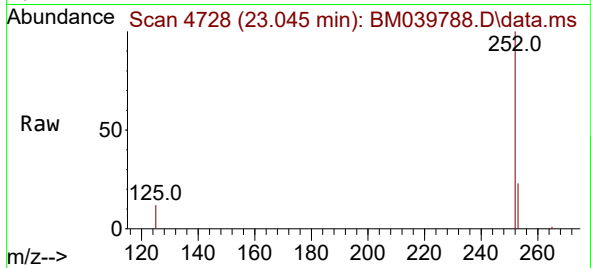




#24
Benzo(b)fluoranthene
Concen: 34.237 ng/ul
RT: 23.045 min Scan# 41
Delta R.T. 0.013 min
Lab File: BM039788.D
Acq: 01 May 2023 21:38

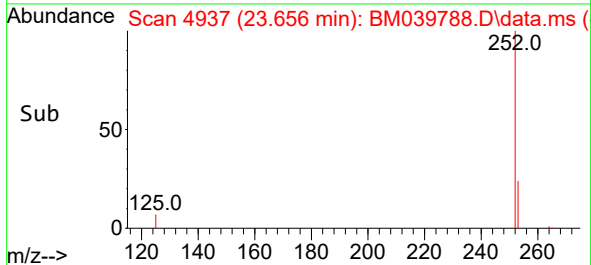
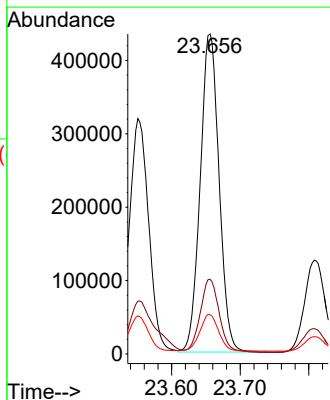
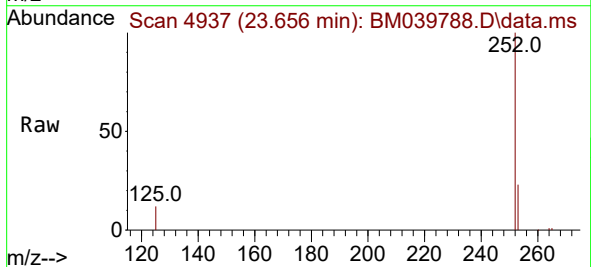
Instrument :
BNA_M
ClientSampleId :
EW8Y4

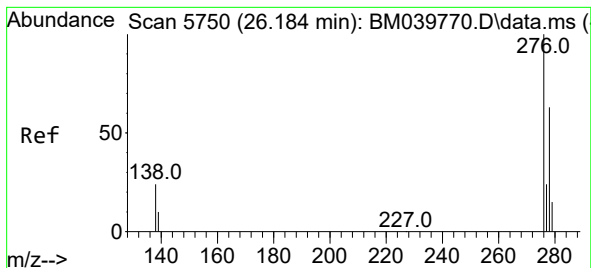
Tgt Ion:252 Resp: 1282588
Ion Ratio Lower Upper
252 100
253 22.8 0.0 52.8
125 11.7 0.0 31.6



#26
Benzo(a)pyrene
Concen: 24.622 ng/ul
RT: 23.656 min Scan# 4937
Delta R.T. 0.013 min
Lab File: BM039788.D
Acq: 01 May 2023 21:38

Tgt Ion:252 Resp: 828136
Ion Ratio Lower Upper
252 100
253 23.3 24.7 37.1#
125 12.3 16.5 24.7#





#27

Indeno(1,2,3-cd)pyrene

Concen: 15.304 ng/ul

RT: 26.201 min Scan# 5755

Delta R.T. 0.022 min

Lab File: BM039788.D

Acq: 01 May 2023 21:38

Instrument :

BNA_M

ClientSampleId :

EW8Y4

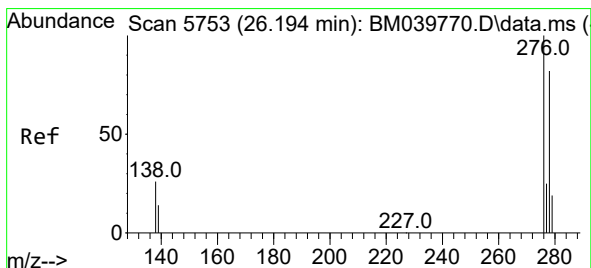
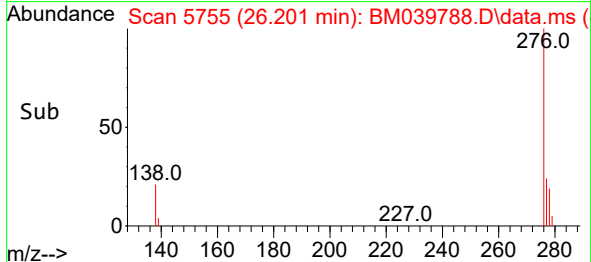
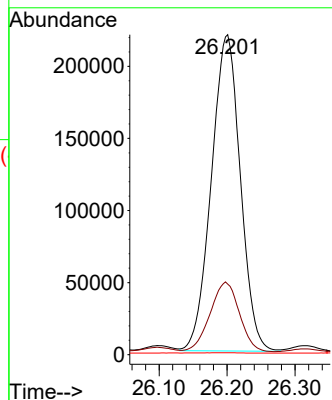
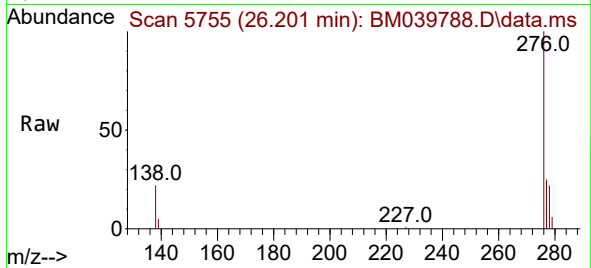
Tgt Ion:276 Resp: 650881

Ion Ratio Lower Upper

276 100

138 22.2 21.1 31.7

227 0.2 0.1 0.1#



#28

Dibenzo(a,h)anthracene

Concen: 4.996 ng/ul

RT: 26.201 min Scan# 5755

Delta R.T. 0.012 min

Lab File: BM039788.D

Acq: 01 May 2023 21:38

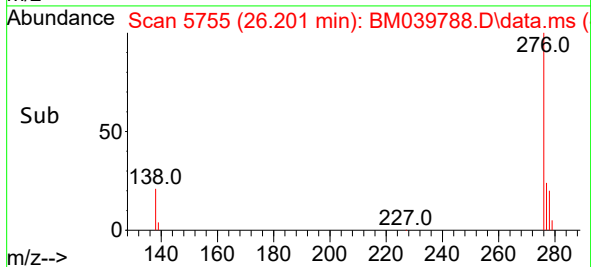
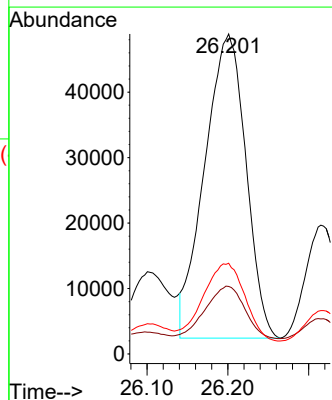
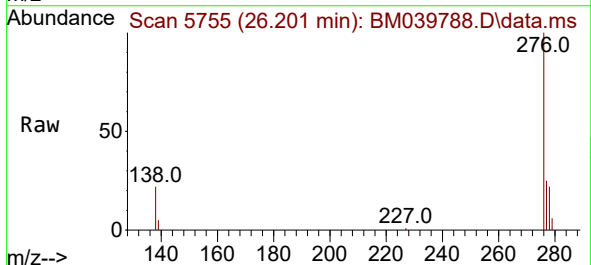
Tgt Ion:278 Resp: 164928

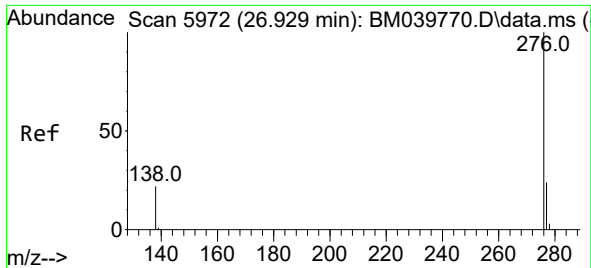
Ion Ratio Lower Upper

278 100

139 21.1 17.0 25.6

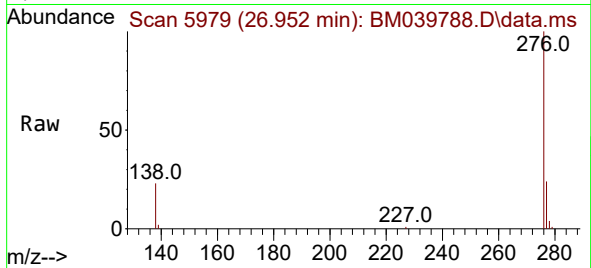
279 28.3 23.4 35.2





#29
 Benzo(g,h,i)perylene
 Concen: 14.795 ng/ul
 RT: 26.952 min Scan# 51
 Delta R.T. 0.032 min
 Lab File: BM039788.D
 Acq: 01 May 2023 21:38

Instrument :
 BNA_M
 ClientSampleId :
 EW8Y4



Tgt Ion:	276	Resp:	548266
Ion	Ratio	Lower	Upper
276	100		
138	23.2	20.1	30.1
277	24.5	20.1	30.1

