

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050223\
 Data File : BM039807.D
 Acq On : 02 May 2023 18:06
 Operator : CG/JU
 Sample : 02419-28
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW925

Quant Time: May 03 04:16:47 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 : Tue May 02 18:41:11 2023
 Response via : Initial Calibration

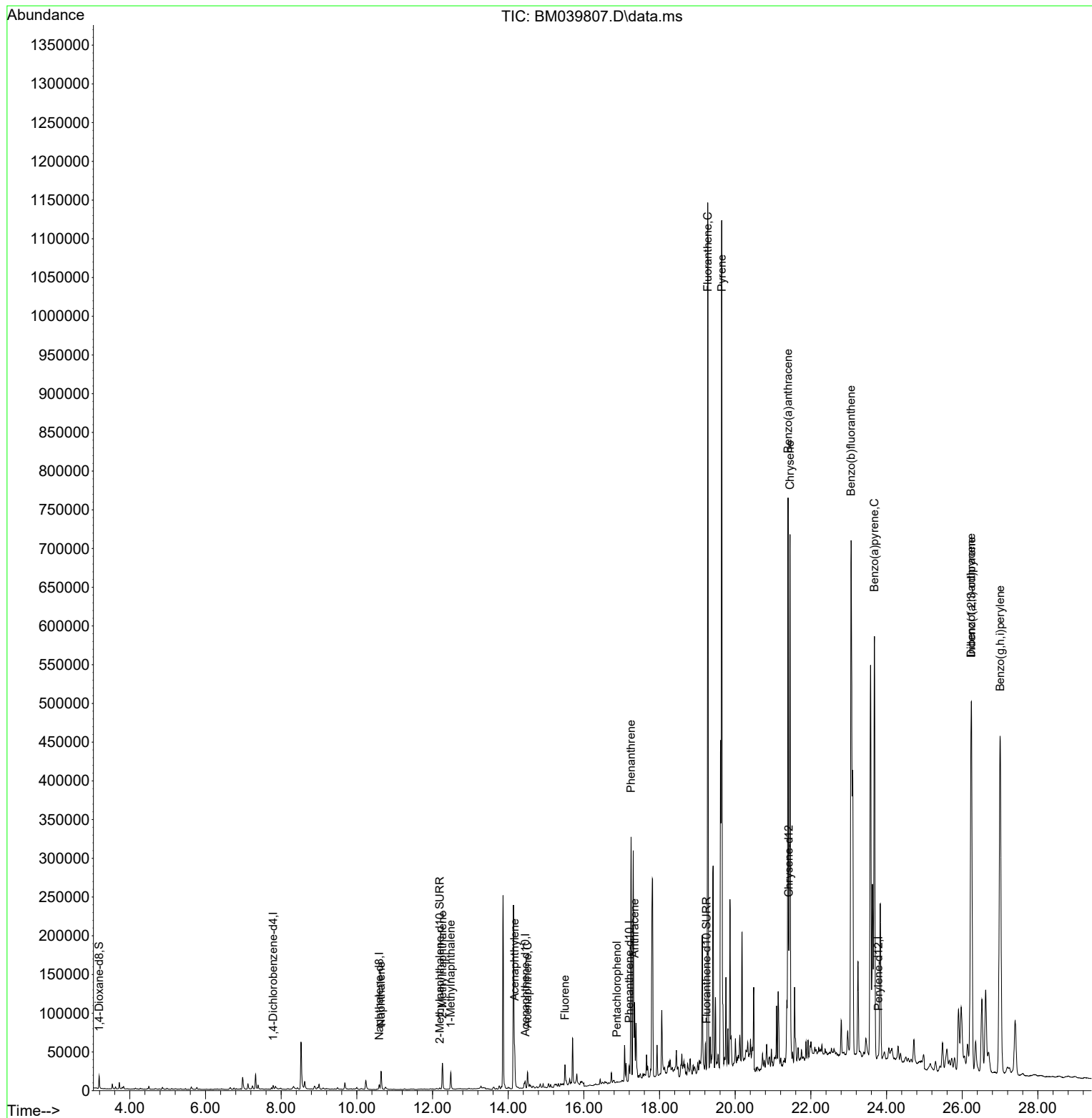
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	2761	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.595	136	8387	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.451	164	5105	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.200	188	26910	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.414	240	6709	0.400	ng/ul	# 0.01
23) Perylene-d12	23.781	264	8934	0.400	ng/ul	# 0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.189	96	9689	2.381	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.190	152	2444	0.227	ng/ul	-0.01
18) Fluoranthene-d10	19.243	212	4915	0.272	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.639	128	33735	1.602	ng/ul	99
7) 2-Methylnaphthalene	12.261	142	25680	2.113	ng/ul	97
8) 1-Methylnaphthalene	12.481	142	15150	1.162	ng/ul	100
10) Acenaphthylene	14.168	152	69670	3.526	ng/ul	99
11) Acenaphthene	14.511	153	12841	0.827	ng/ul	97
12) Fluorene	15.501	166	18698	1.086	ng/ul#	94
14) Pentachlorophenol	16.875	266	810	0.138	ng/ul#	65
15) Phenanthrene	17.246	178	324748	4.581	ng/ul	100
16) Anthracene	17.339	178	101873	1.673	ng/ul	99
19) Fluoranthene	19.276	202	932234	38.949	ng/ul	99
20) Pyrene	19.643	202	904718	35.002	ng/ul	99
21) Benzo(a)anthracene	21.396	228	644075	33.390	ng/ul	96
22) Chrysene	21.449	228	678147	31.066	ng/ul	94
24) Benzo(b)fluoranthene	23.062	252	1281425	40.841	ng/ul	96
26) Benzo(a)pyrene	23.679	252	797395	28.307	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	26.241	276	831548	23.345	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.238	278	213048	7.706	ng/ul#	95
29) Benzo(g,h,i)perylene	27.002	276	962305	31.004	ng/ul	98

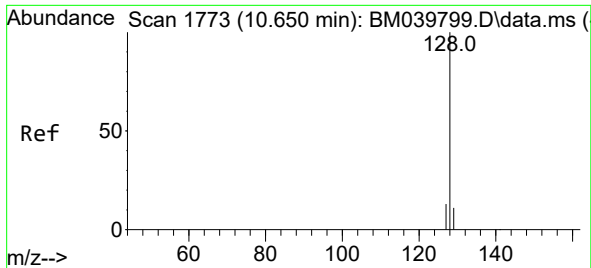
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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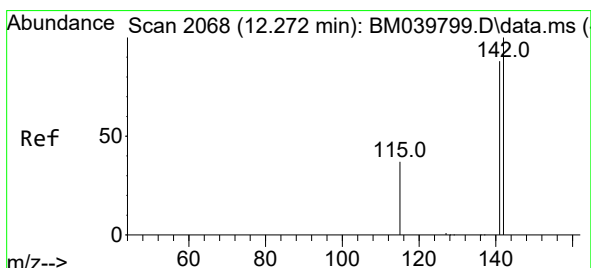
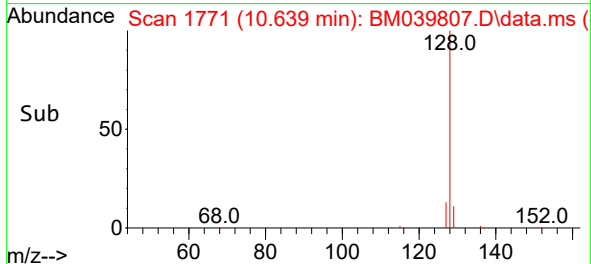
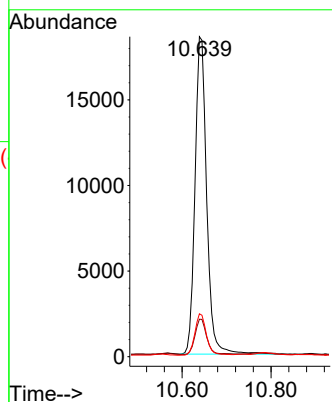
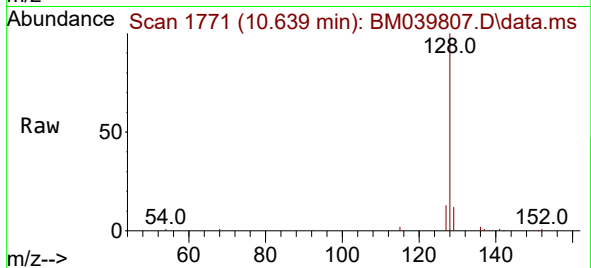




#5
Naphthalene
Concen: 1.602 ng/ul
RT: 10.639 min Scan# 1771
Delta R.T. -0.011 min
Lab File: BM039807.D
Acq: 02 May 2023 18:06

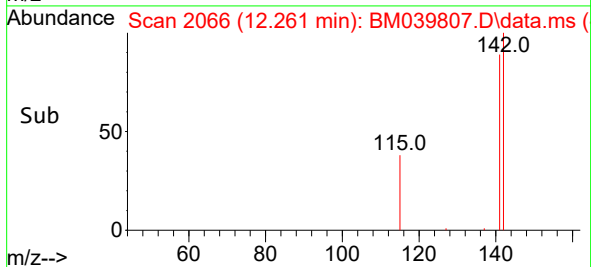
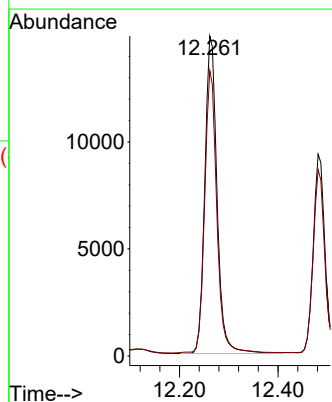
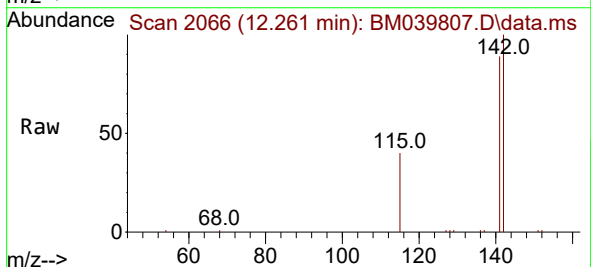
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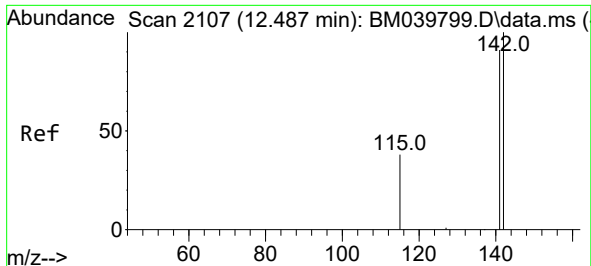
Tgt Ion:128 Resp: 33735
Ion Ratio Lower Upper
128 100
129 11.7 9.8 14.6
127 13.4 11.1 16.7



#7
2-Methylnaphthalene
Concen: 2.113 ng/ul
RT: 12.261 min Scan# 2066
Delta R.T. -0.011 min
Lab File: BM039807.D
Acq: 02 May 2023 18:06

Tgt Ion:142 Resp: 25680
Ion Ratio Lower Upper
142 100
141 88.6 73.2 109.8

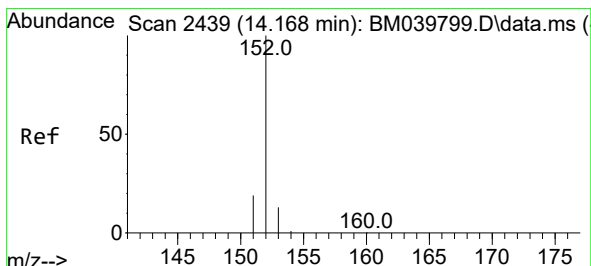
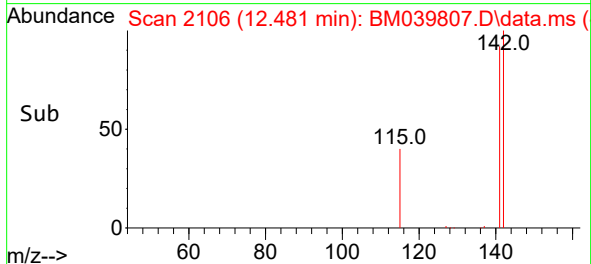
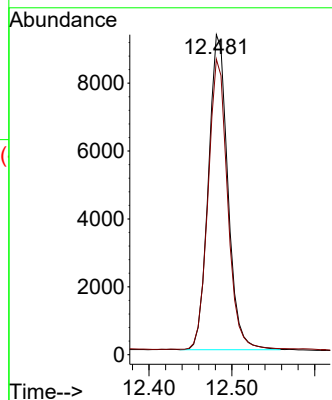
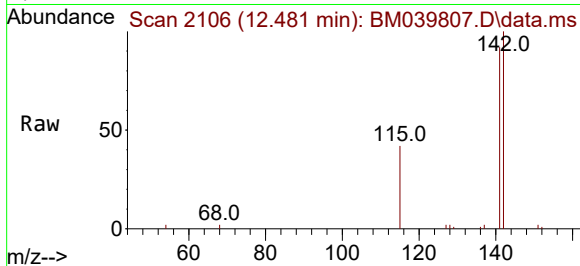




#8
1-Methylnaphthalene
Concen: 1.162 ng/ul
RT: 12.481 min Scan# 2106
Delta R.T. -0.005 min
Lab File: BM039807.D
Acq: 02 May 2023 18:06

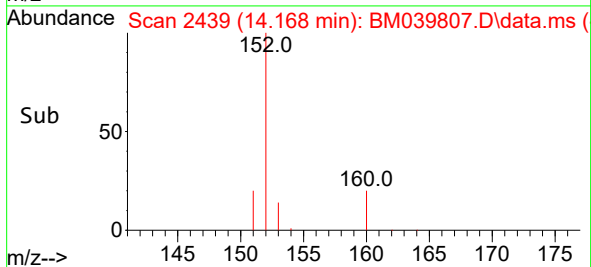
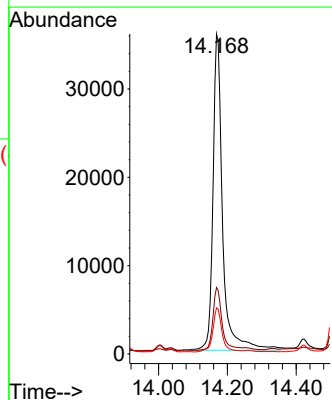
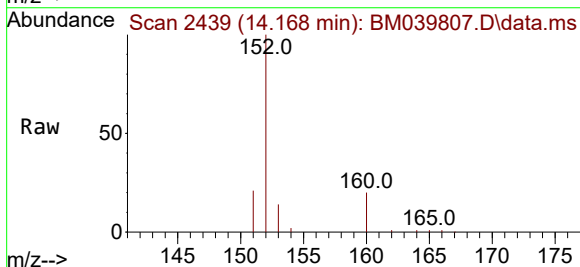
Instrument :
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ClientSampleId :
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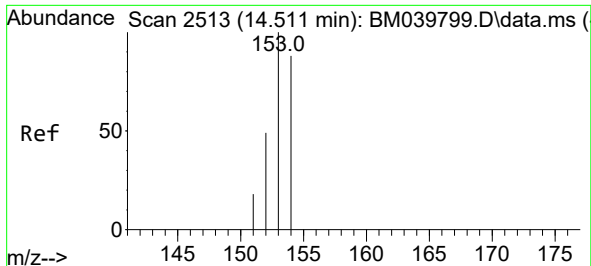
Tgt Ion:142 Resp: 15150
Ion Ratio Lower Upper
142 100
141 92.2 73.4 110.2



#10
Acenaphthylene
Concen: 3.526 ng/ul
RT: 14.168 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BM039807.D
Acq: 02 May 2023 18:06

Tgt Ion:152 Resp: 69670
Ion Ratio Lower Upper
152 100
151 20.7 16.0 24.0
153 14.4 11.2 16.8

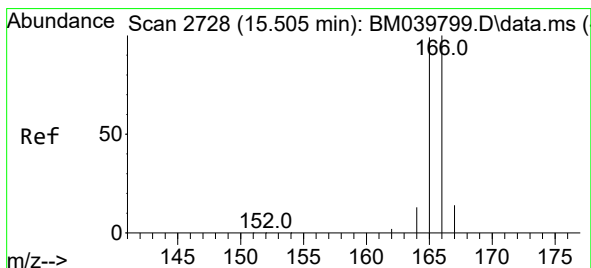
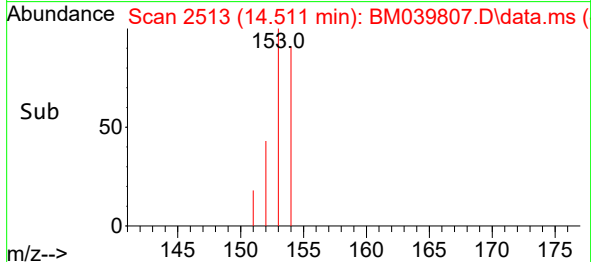
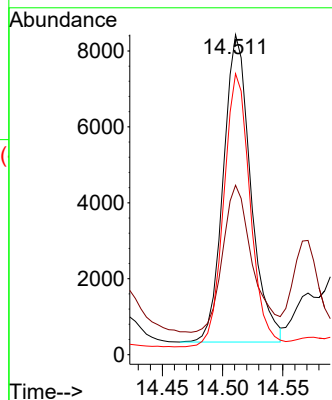
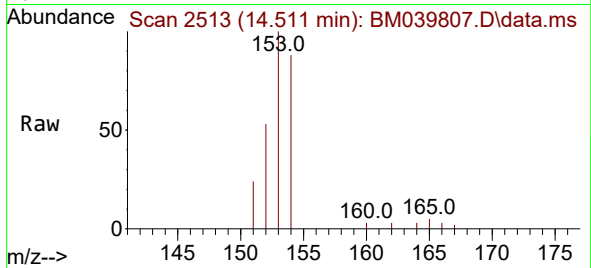




#11
Acenaphthene
Concen: 0.827 ng/ul
RT: 14.511 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM039807.D
Acq: 02 May 2023 18:06

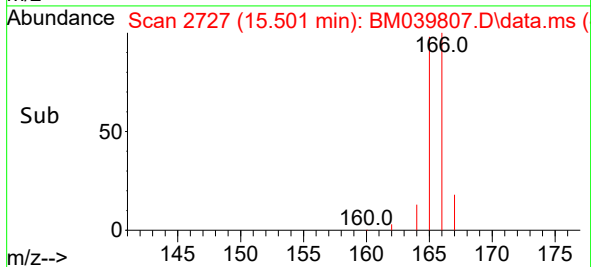
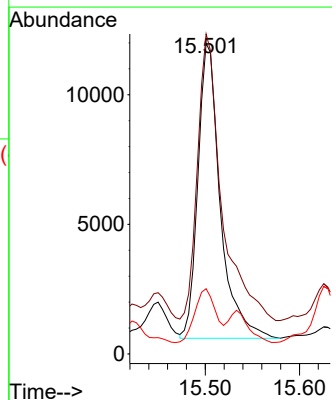
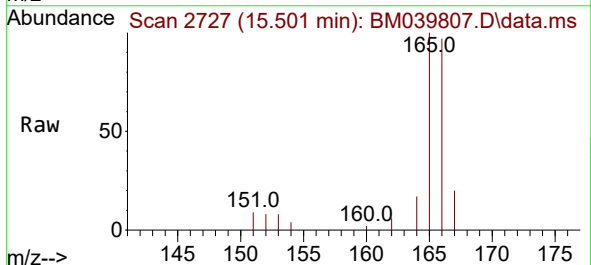
Instrument :
BNA_M
ClientSampleId :
EW925

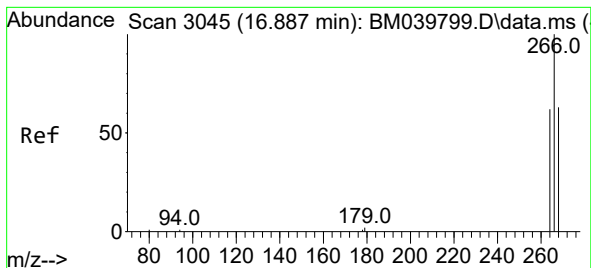
Tgt Ion:153 Resp: 12841
Ion Ratio Lower Upper
153 100
152 53.0 40.6 61.0
154 87.8 71.9 107.9



#12
Fluorene
Concen: 1.086 ng/ul
RT: 15.501 min Scan# 2727
Delta R.T. -0.005 min
Lab File: BM039807.D
Acq: 02 May 2023 18:06

Tgt Ion:166 Resp: 18698
Ion Ratio Lower Upper
166 100
165 103.0 79.0 118.6
167 21.0 11.8 17.6#





#14

Pentachlorophenol

Concen: 0.138 ng/ul

RT: 16.875 min Scan# 3045

Delta R.T. -0.013 min

Lab File: BM039807.D

Acq: 02 May 2023 18:06

Instrument :

BNA_M

ClientSampleId :

EW925

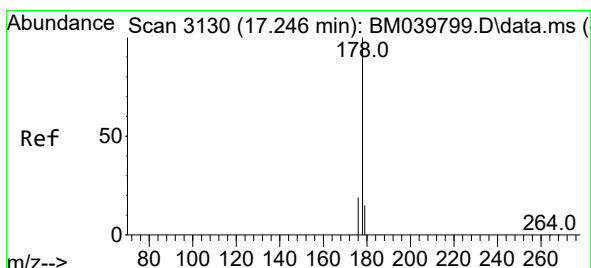
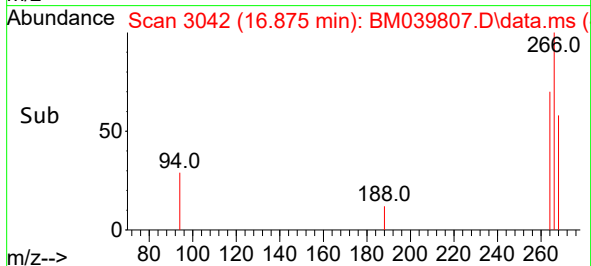
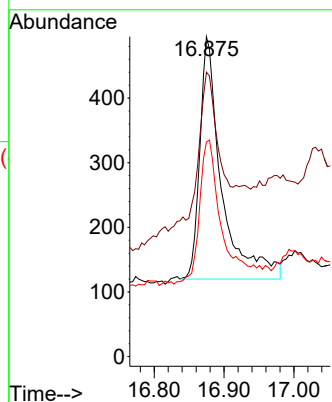
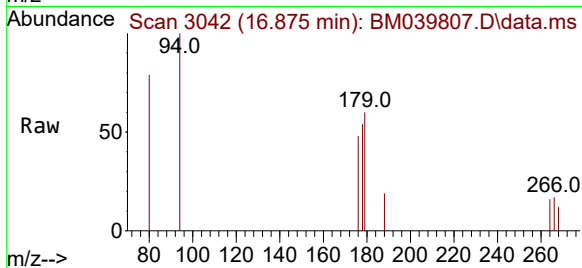
Tgt Ion:266 Resp: 810

Ion Ratio Lower Upper

266 100

264 113.1 48.8 73.2#

268 65.4 50.4 75.6



#15

Phenanthrene

Concen: 4.581 ng/ul

RT: 17.246 min Scan# 3130

Delta R.T. 0.000 min

Lab File: BM039807.D

Acq: 02 May 2023 18:06

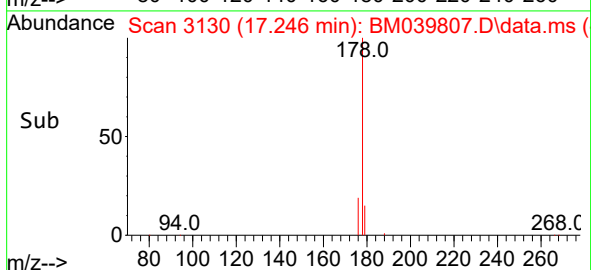
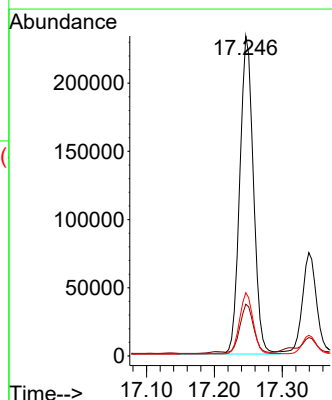
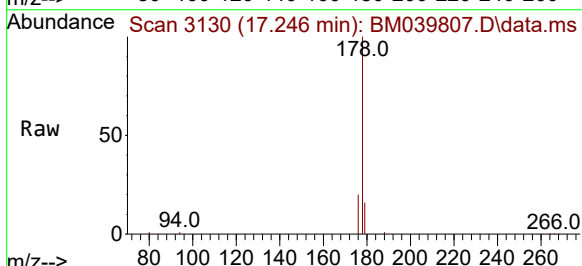
Tgt Ion:178 Resp: 324748

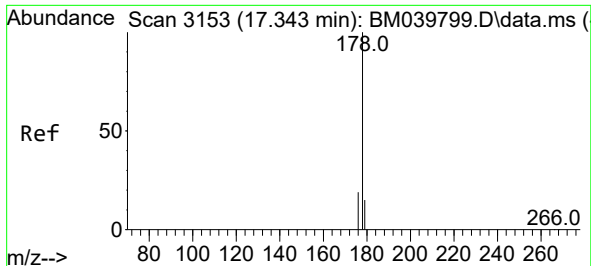
Ion Ratio Lower Upper

178 100

179 16.1 13.0 19.6

176 19.7 15.8 23.8

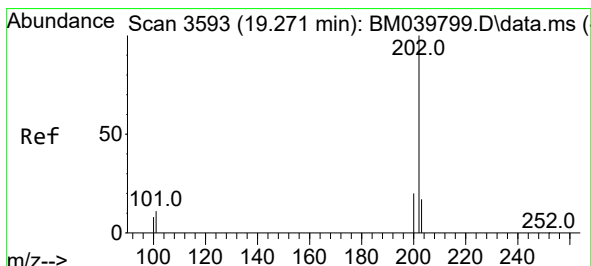
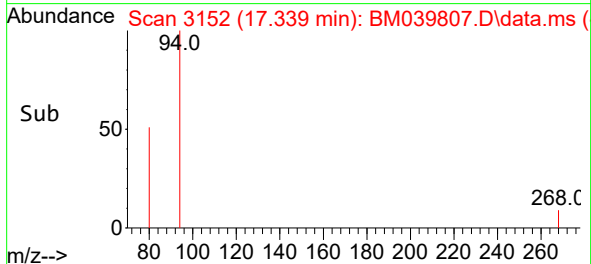
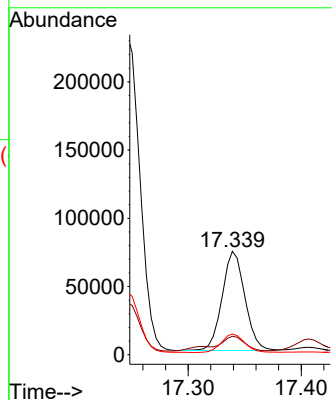
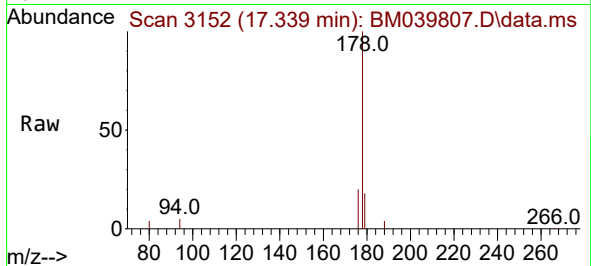




#16
 Anthracene
 Concen: 1.673 ng/ul
 RT: 17.339 min Scan# 3153
 Delta R.T. -0.004 min
 Lab File: BM039807.D
 Acq: 02 May 2023 18:06

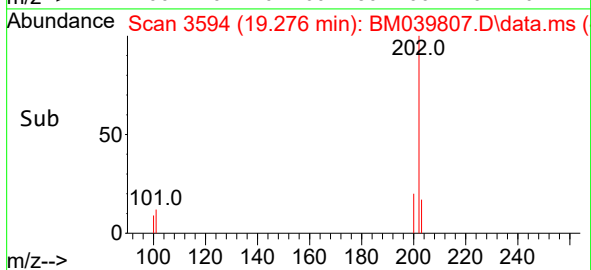
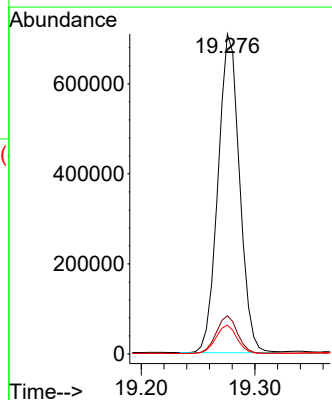
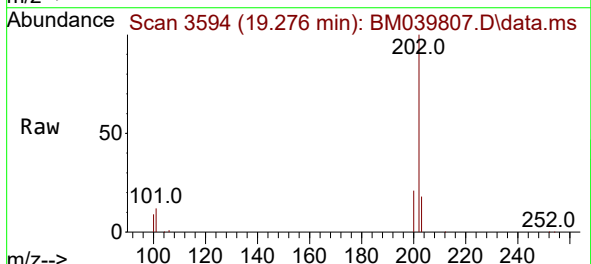
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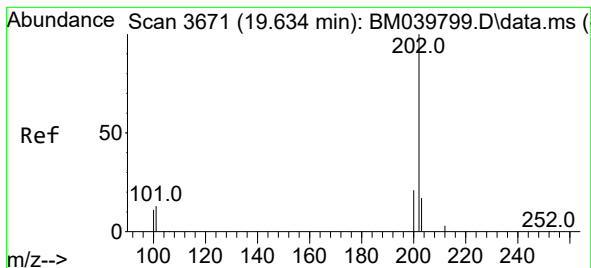
Tgt Ion:178 Resp: 101873
 Ion Ratio Lower Upper
 178 100
 179 17.8 13.8 20.6
 176 20.0 15.8 23.8



#19
 Fluoranthene
 Concen: 38.949 ng/ul
 RT: 19.276 min Scan# 3594
 Delta R.T. 0.005 min
 Lab File: BM039807.D
 Acq: 02 May 2023 18:06

Tgt Ion:202 Resp: 932234
 Ion Ratio Lower Upper
 202 100
 101 11.9 9.8 14.8
 100 9.0 7.3 10.9





#20

Pyrene

Concen: 35.002 ng/ul

RT: 19.643 min Scan# 3

Delta R.T. 0.009 min

Lab File: BM039807.D

Acq: 02 May 2023 18:06

Instrument :

BNA_M

ClientSampleId :

EW925

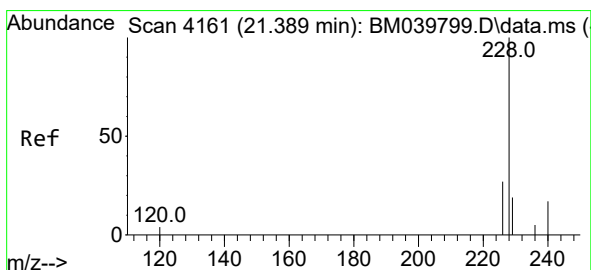
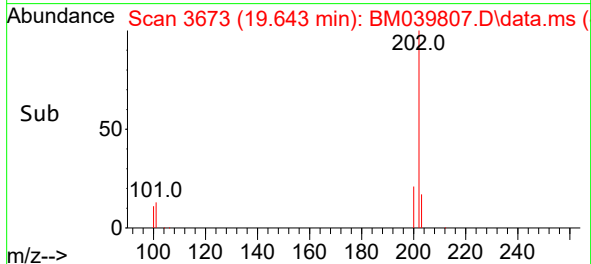
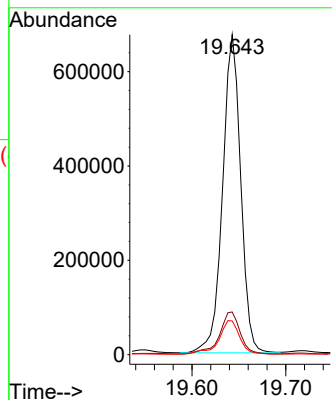
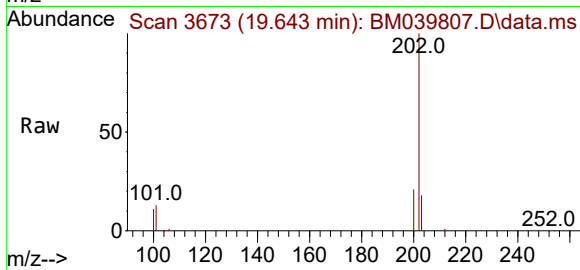
Tgt Ion:202 Resp: 904718

Ion Ratio Lower Upper

202 100

101 13.3 10.9 16.3

100 10.6 8.9 13.3



#21

Benzo(a)anthracene

Concen: 33.390 ng/ul

RT: 21.396 min Scan# 4164

Delta R.T. 0.007 min

Lab File: BM039807.D

Acq: 02 May 2023 18:06

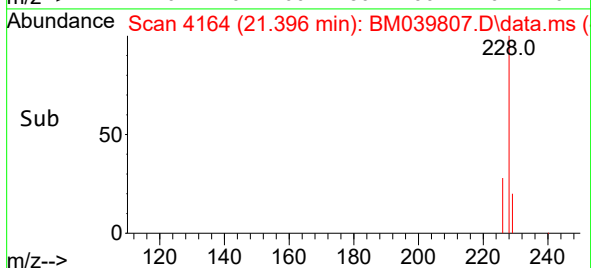
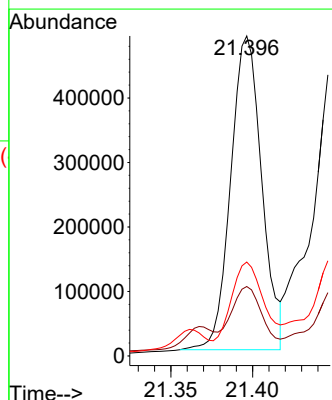
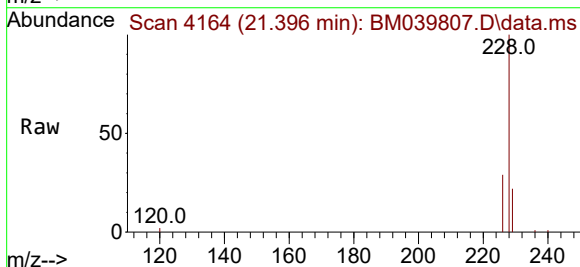
Tgt Ion:228 Resp: 644075

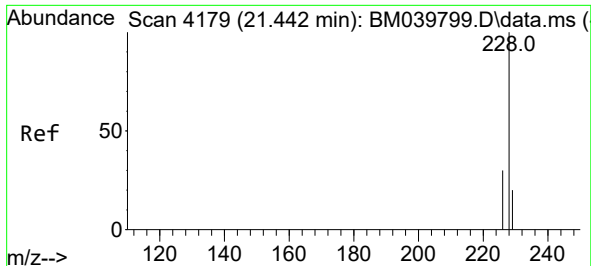
Ion Ratio Lower Upper

228 100

229 21.7 16.2 24.2

226 29.3 21.6 32.4





#22

Chrysene

Concen: 31.066 ng/ul

RT: 21.449 min Scan# 41

Delta R.T. 0.007 min

Lab File: BM039807.D

Acq: 02 May 2023 18:06

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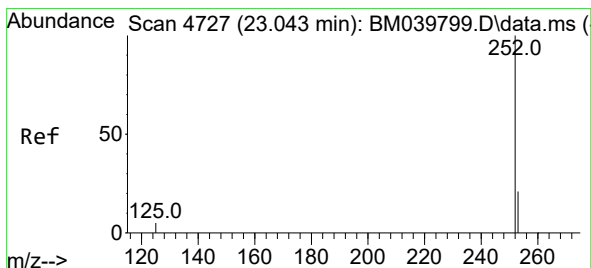
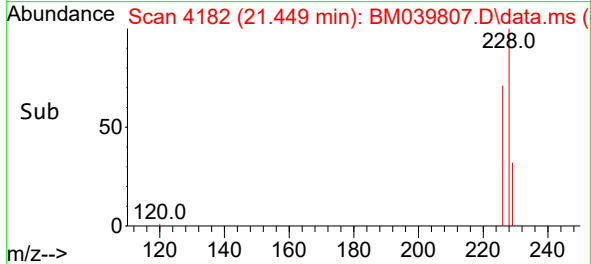
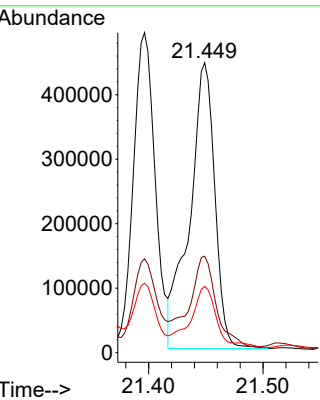
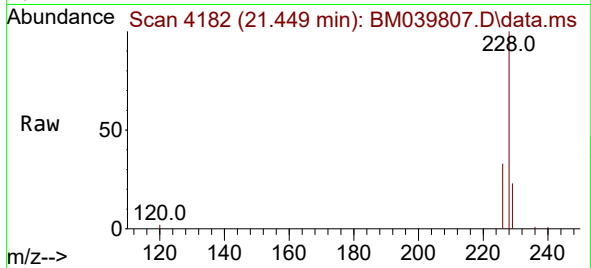
Tgt Ion:228 Resp: 678147

Ion Ratio Lower Upper

228 100

226 33.3 24.3 36.5

229 22.9 15.9 23.9



#24

Benzo(b)fluoranthene

Concen: 40.841 ng/ul

RT: 23.062 min Scan# 4734

Delta R.T. 0.019 min

Lab File: BM039807.D

Acq: 02 May 2023 18:06

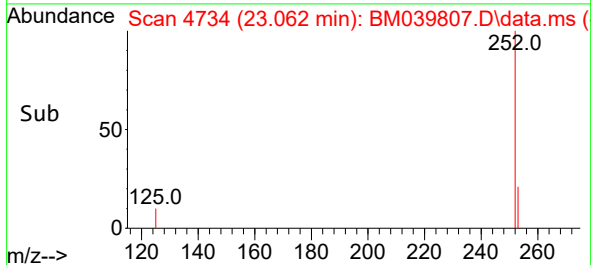
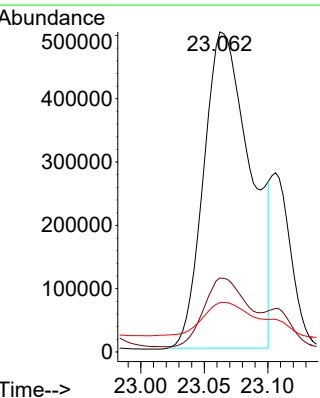
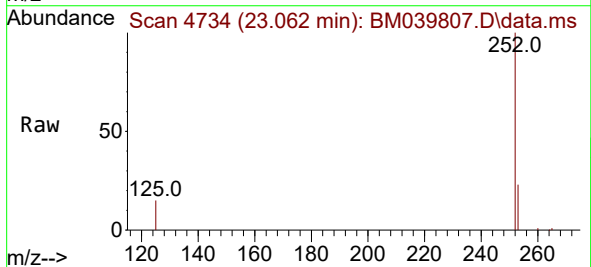
Tgt Ion:252 Resp: 1281425

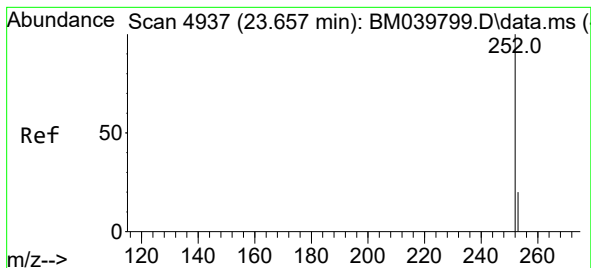
Ion Ratio Lower Upper

252 100

253 23.1 0.0 52.8

125 15.4 0.0 31.6





#26

Benzo(a)pyrene

Concen: 28.307 ng/ul

RT: 23.679 min Scan# 4937

Delta R.T. 0.022 min

Lab File: BM039807.D

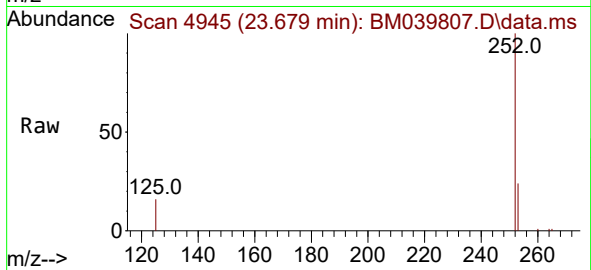
Acq: 02 May 2023 18:06

Instrument :

BNA_M

ClientSampleId :

EW925



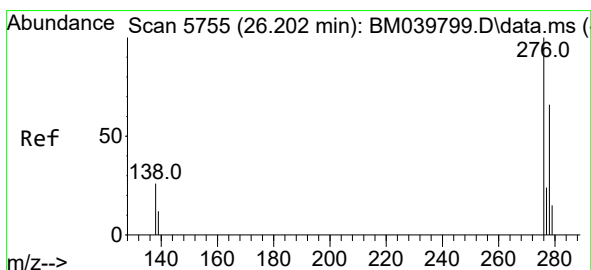
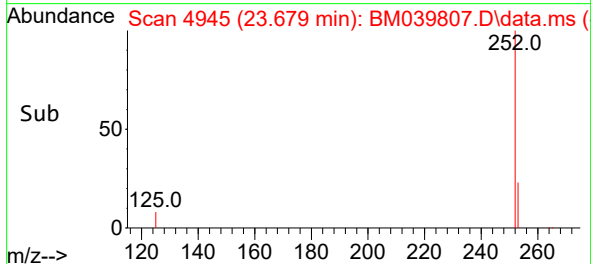
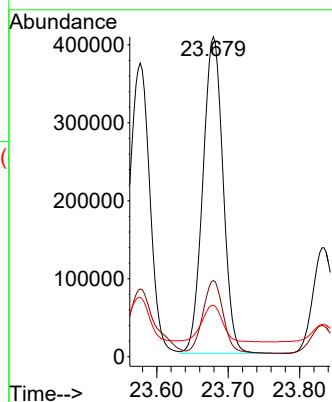
Tgt Ion:252 Resp: 797395

Ion Ratio Lower Upper

252 100

253 23.8 24.7 37.1#

125 16.0 16.5 24.7#



#27

Indeno(1,2,3-cd)pyrene

Concen: 23.345 ng/ul

RT: 26.241 min Scan# 5767

Delta R.T. 0.039 min

Lab File: BM039807.D

Acq: 02 May 2023 18:06

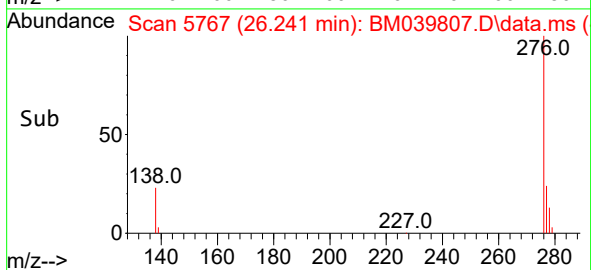
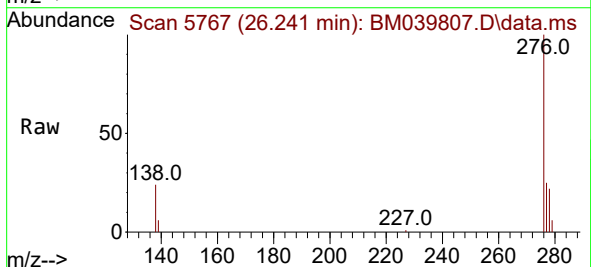
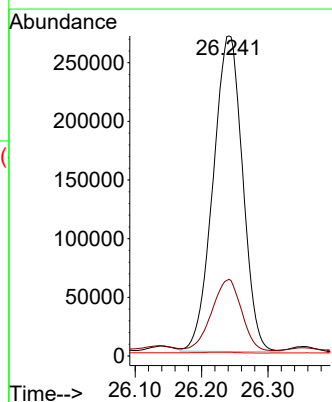
Tgt Ion:276 Resp: 831548

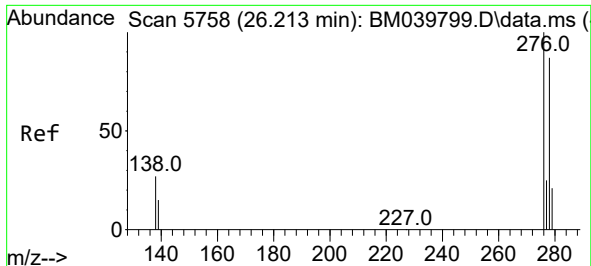
Ion Ratio Lower Upper

276 100

138 22.5 21.1 31.7

227 0.3 0.1 0.1#

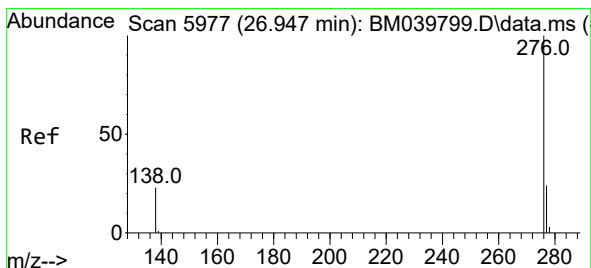
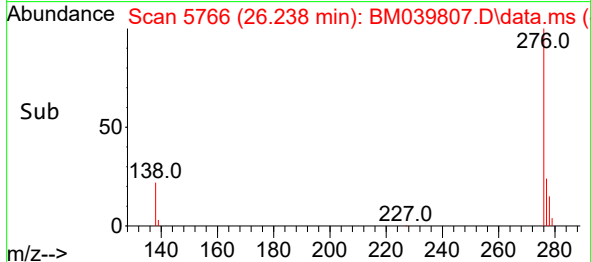
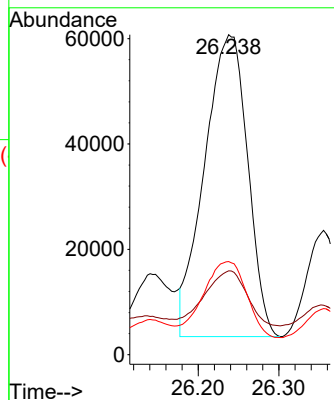
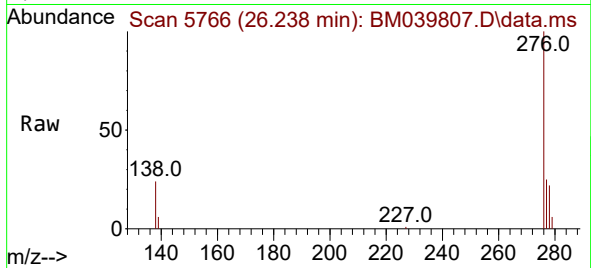




#28
Dibenzo(a,h)anthracene
Concen: 7.706 ng/ul
RT: 26.238 min Scan# 51
Delta R.T. 0.025 min
Lab File: BM039807.D
Acq: 02 May 2023 18:06

Instrument :
BNA_M
ClientSampleId :
EW925

Tgt Ion:278 Resp: 213048
Ion Ratio Lower Upper
278 100
139 26.2 17.0 25.6#
279 29.1 23.4 35.2



#29
Benzo(g,h,i)perylene
Concen: 31.004 ng/ul
RT: 27.002 min Scan# 5994
Delta R.T. 0.055 min
Lab File: BM039807.D
Acq: 02 May 2023 18:06

Tgt Ion:276 Resp: 962305
Ion Ratio Lower Upper
276 100
138 23.9 20.1 30.1
277 24.5 20.1 30.1

