

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050223\
 Data File : BM039803.D
 Acq On : 02 May 2023 15:42
 Operator : CG/JU
 Sample : 02419-21
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW918

Quant Time: May 03 04:16:03 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

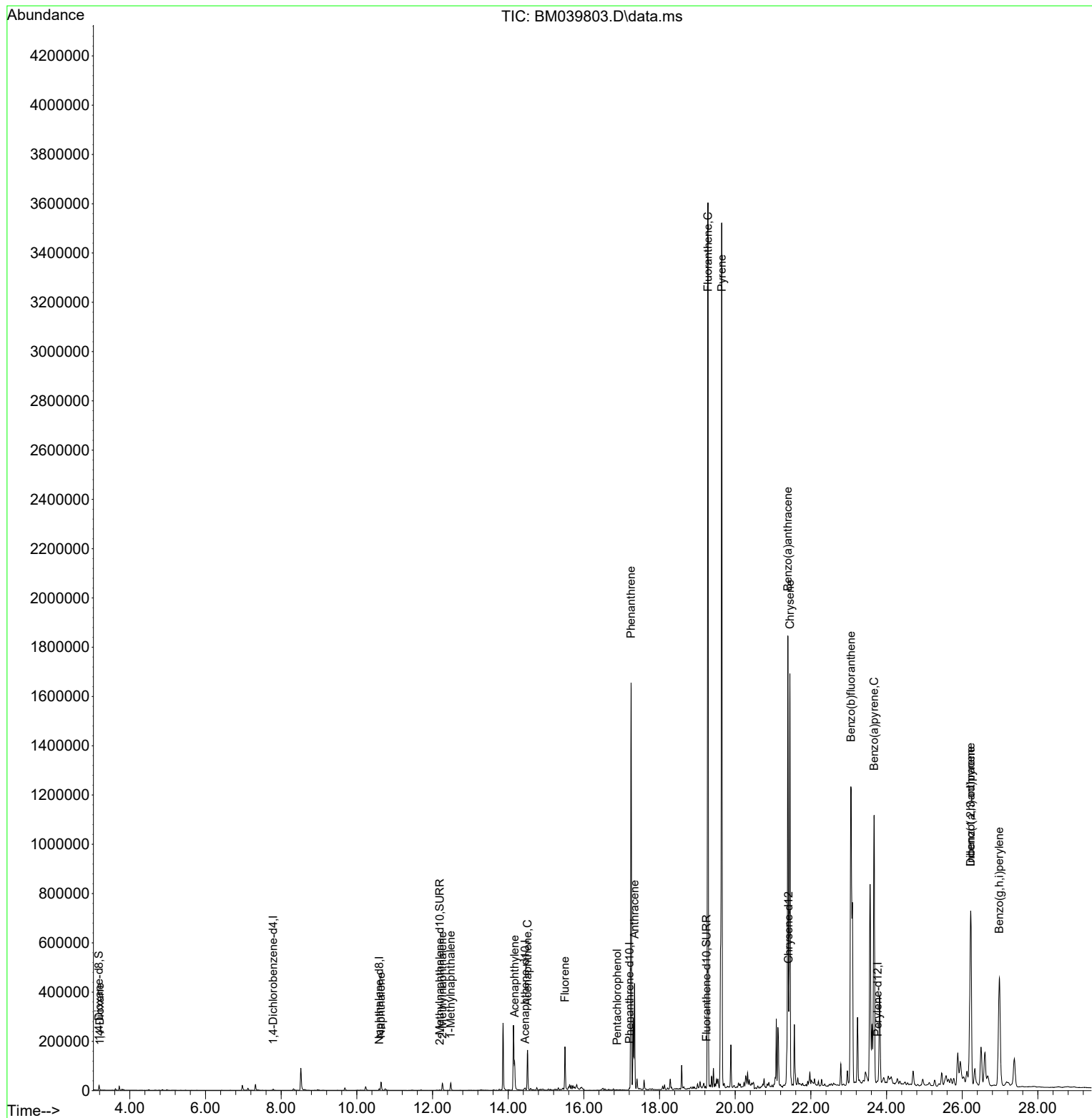
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	2734	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.590	136	8693	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.446	164	4630	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.204	188	9036	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.411	240	5543	0.400	ng/ul	# 0.00
23) Perylene-d12	23.767	264	14390	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.184	96	11390	2.827	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.190	152	2710	0.243	ng/ul	-0.01
18) Fluoranthene-d10	19.243	212	4211	0.282	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.210	88	166	0.040	ng/ul#	81
5) Naphthalene	10.639	128	46105	2.112	ng/ul	98
7) 2-Methylnaphthalene	12.261	142	21410	1.699	ng/ul	96
8) 1-Methylnaphthalene	12.481	142	21222	1.570	ng/ul	99
10) Acenaphthylene	14.168	152	144807	8.080	ng/ul	99
11) Acenaphthene	14.511	153	93724	6.658	ng/ul	98
12) Fluorene	15.501	166	110074	7.048	ng/ul	98
14) Pentachlorophenol	16.879	266	244	0.124	ng/ul#	26
15) Phenanthrene	17.246	178	1766474	74.203	ng/ul	99
16) Anthracene	17.339	178	427855	20.931	ng/ul	97
19) Fluoranthene	19.280	202	3300061	166.879	ng/ul	100
20) Pyrene	19.643	202	2983707	139.718	ng/ul	97
21) Benzo(a)anthracene	21.391	228	1667287	104.618	ng/ul	97
22) Chrysene	21.446	228	1592502	88.298	ng/ul	97
24) Benzo(b)fluoranthene	23.059	252	2270796	44.934	ng/ul	93
26) Benzo(a)pyrene	23.670	252	1609677	35.476	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	26.224	276	1215317	21.183	ng/ul#	93
28) Dibenzo(a,h)anthracene	26.224	278	328556	7.378	ng/ul	98
29) Benzo(g,h,i)perylene	26.982	276	1002510	20.053	ng/ul	98

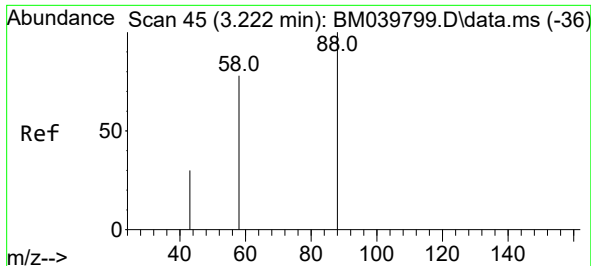
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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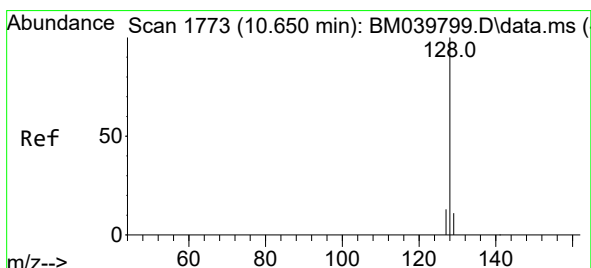
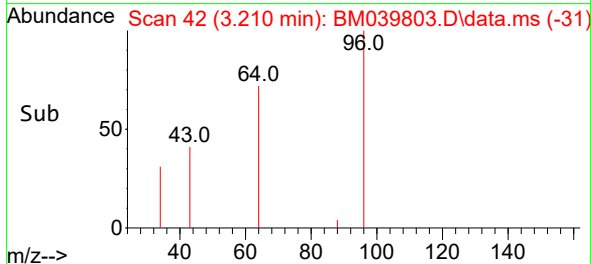
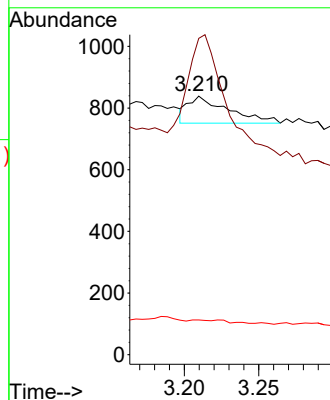
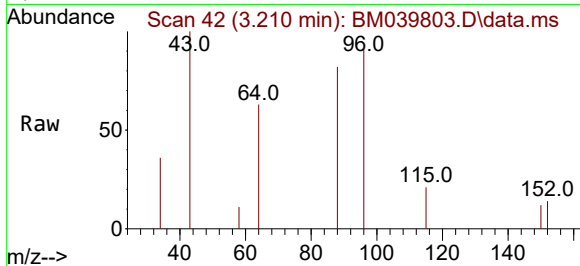




#2
1,4-Dioxane
Concen: 0.040 ng/ul
RT: 3.210 min Scan# 41
Delta R.T. -0.013 min
Lab File: BM039803.D
Acq: 02 May 2023 15:42

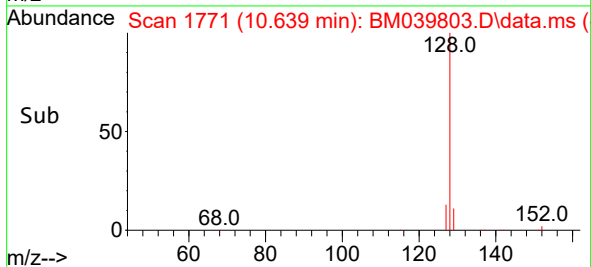
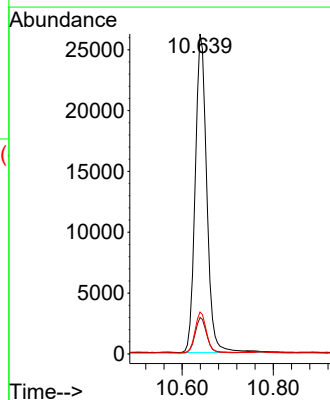
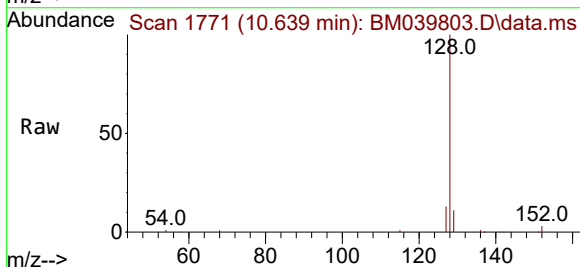
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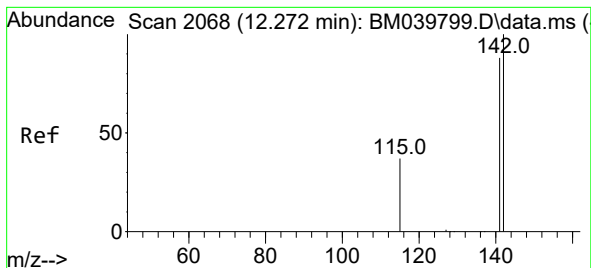
Tgt Ion: 88 Resp: 166
Ion Ratio Lower Upper
88 100
43 122.3 102.6 153.8
58 13.5 40.6 61.0#



#5
Naphthalene
Concen: 2.112 ng/ul
RT: 10.639 min Scan# 1771
Delta R.T. -0.011 min
Lab File: BM039803.D
Acq: 02 May 2023 15:42

Tgt Ion: 128 Resp: 46105
Ion Ratio Lower Upper
128 100
129 11.4 9.8 14.6
127 13.1 11.1 16.7





#7

2-Methylnaphthalene

Concen: 1.699 ng/ul

RT: 12.261 min Scan# 2066

Delta R.T. -0.011 min

Lab File: BM039803.D

Acq: 02 May 2023 15:42

Instrument :

BNA_M

ClientSampleId :

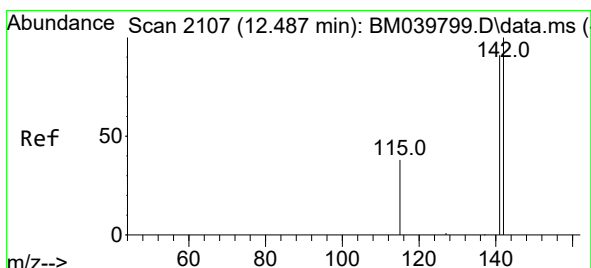
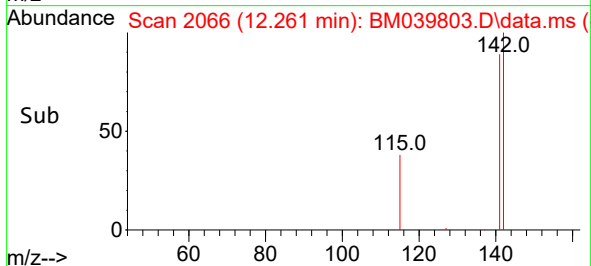
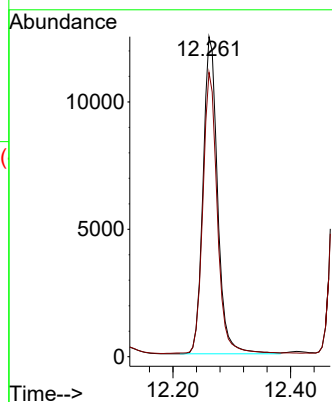
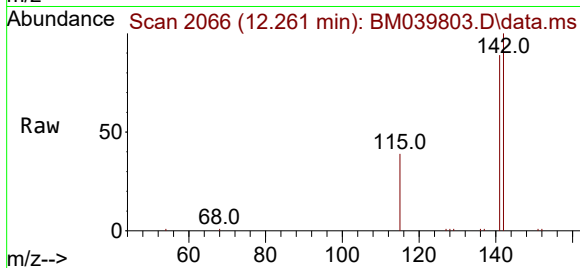
EW918

Tgt Ion:142 Resp: 21410

Ion Ratio Lower Upper

142 100

141 88.1 73.2 109.8



#8

1-Methylnaphthalene

Concen: 1.570 ng/ul

RT: 12.481 min Scan# 2106

Delta R.T. -0.005 min

Lab File: BM039803.D

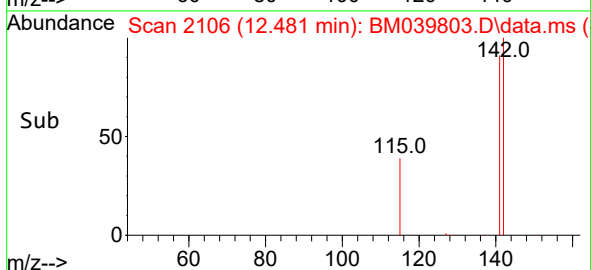
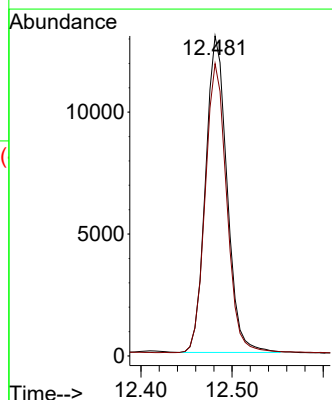
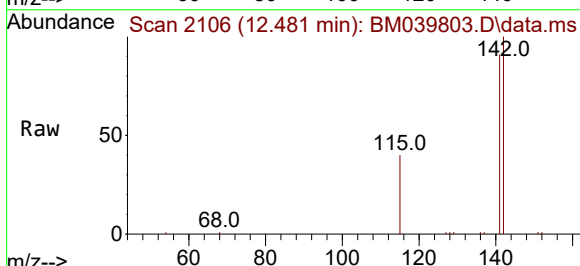
Acq: 02 May 2023 15:42

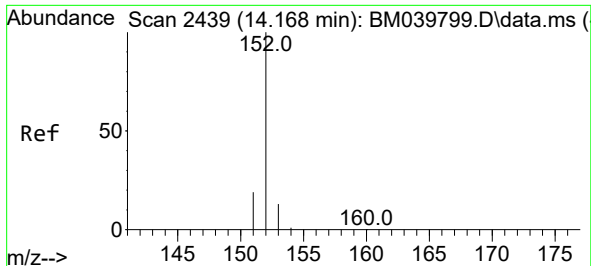
Tgt Ion:142 Resp: 21222

Ion Ratio Lower Upper

142 100

141 91.3 73.4 110.2

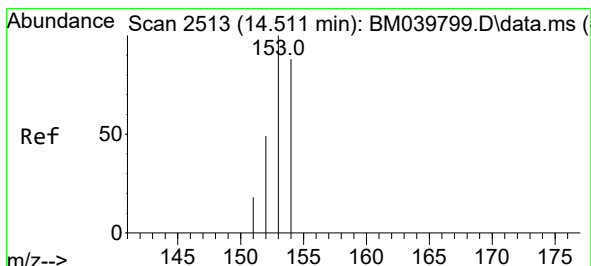
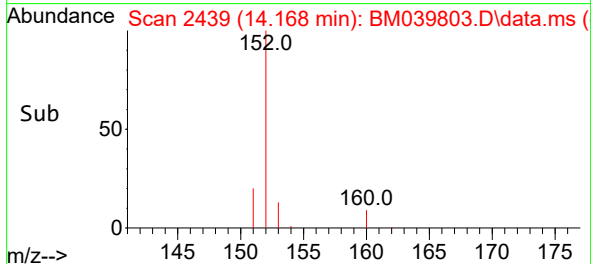
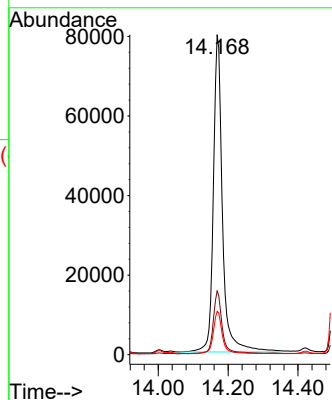
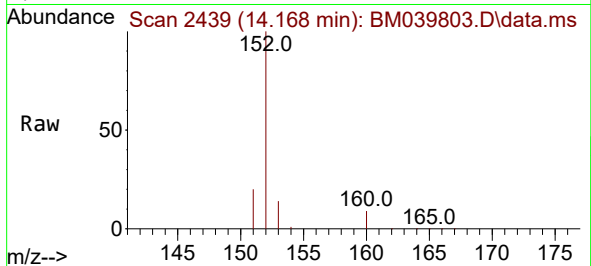




#10
Acenaphthylene
Concen: 8.080 ng/ul
RT: 14.168 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BM039803.D
Acq: 02 May 2023 15:42

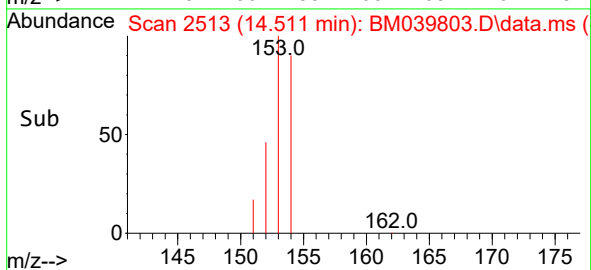
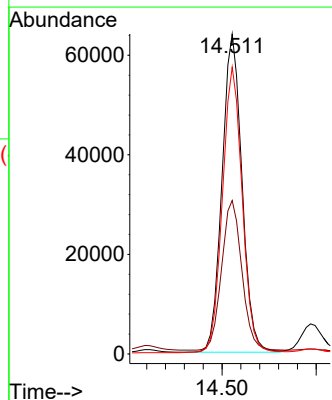
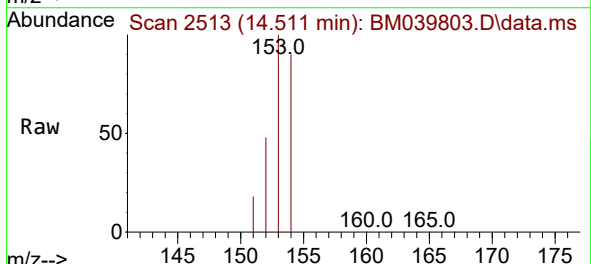
Instrument :
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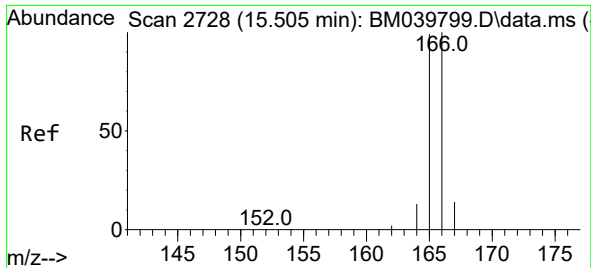
Tgt Ion:152 Resp: 144807
Ion Ratio Lower Upper
152 100
151 19.9 16.0 24.0
153 13.5 11.2 16.8



#11
Acenaphthene
Concen: 6.658 ng/ul
RT: 14.511 min Scan# 2513
Delta R.T. 0.000 min
Lab File: BM039803.D
Acq: 02 May 2023 15:42

Tgt Ion:153 Resp: 93724
Ion Ratio Lower Upper
153 100
152 48.0 40.6 61.0
154 89.6 71.9 107.9

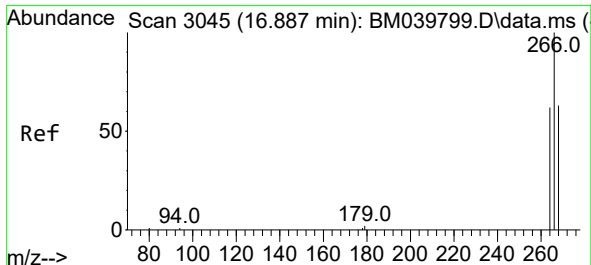
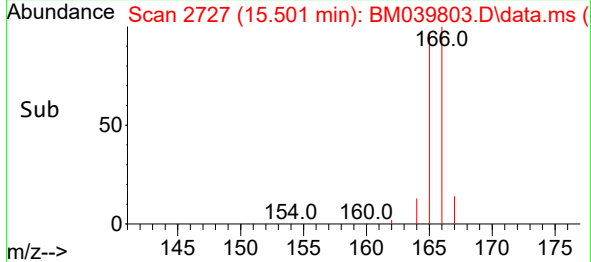
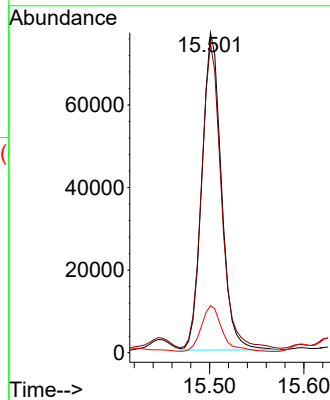
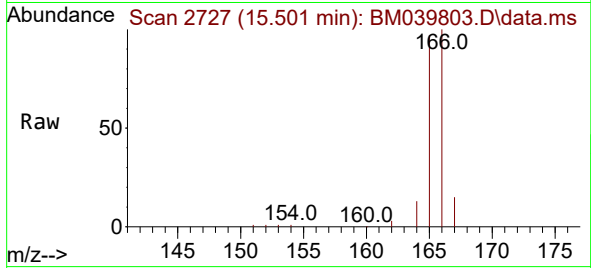




#12
Fluorene
Concen: 7.048 ng/ul
RT: 15.501 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM039803.D
Acq: 02 May 2023 15:42

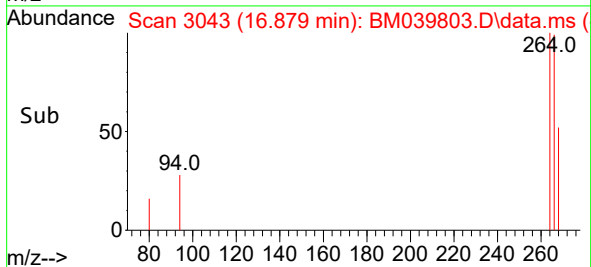
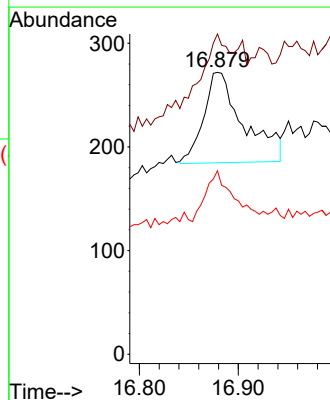
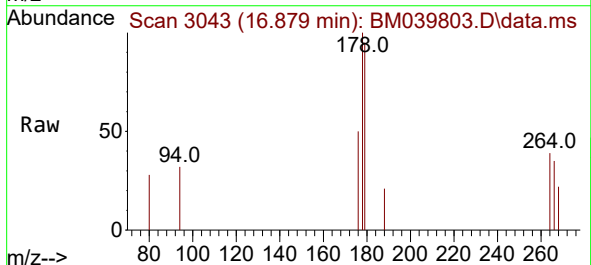
Instrument :
BNA_M
ClientSampleId :
EW918

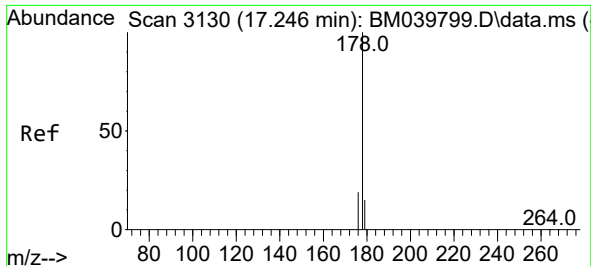
Tgt Ion:166 Resp: 110074
Ion Ratio Lower Upper
166 100
165 96.7 79.0 118.6
167 14.7 11.8 17.6



#14
Pentachlorophenol
Concen: 0.124 ng/ul
RT: 16.879 min Scan# 3043
Delta R.T. -0.008 min
Lab File: BM039803.D
Acq: 02 May 2023 15:42

Tgt Ion:266 Resp: 244
Ion Ratio Lower Upper
266 100
264 159.4 48.8 73.2#
268 47.5 50.4 75.6#

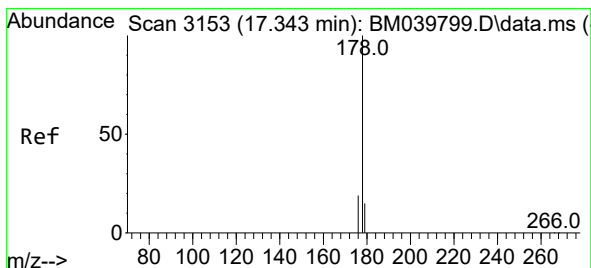
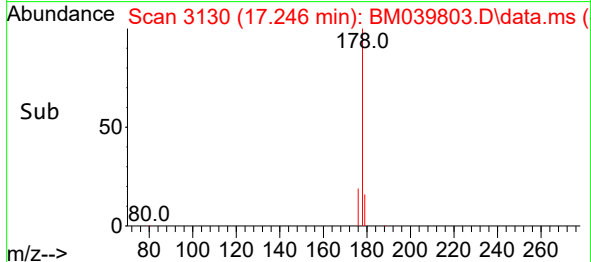
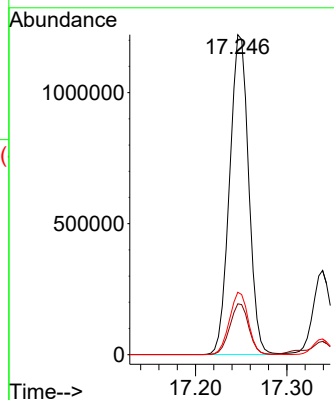
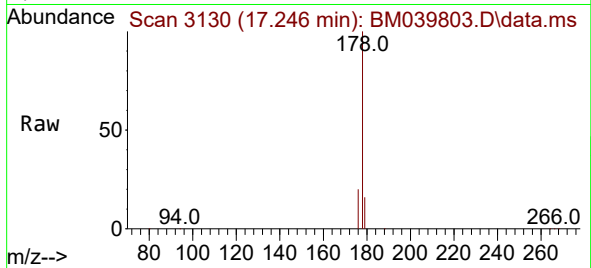




#15
Phenanthrene
Concen: 74.203 ng/ul
RT: 17.246 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BM039803.D
Acq: 02 May 2023 15:42

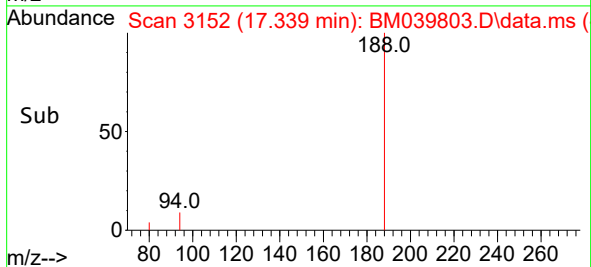
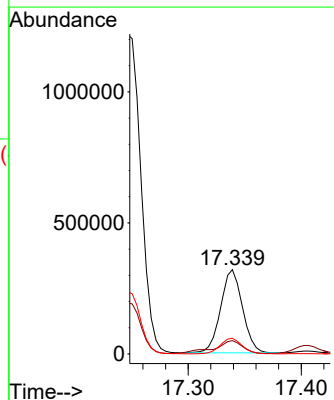
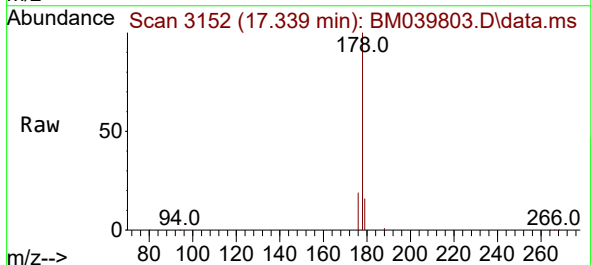
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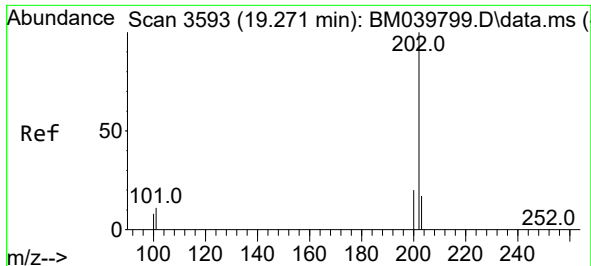
Tgt Ion:178 Resp: 1766474
Ion Ratio Lower Upper
178 100
179 15.9 13.0 19.6
176 19.5 15.8 23.8



#16
Anthracene
Concen: 20.931 ng/ul
RT: 17.339 min Scan# 3152
Delta R.T. -0.004 min
Lab File: BM039803.D
Acq: 02 May 2023 15:42

Tgt Ion:178 Resp: 427855
Ion Ratio Lower Upper
178 100
179 15.7 13.8 20.6
176 18.6 15.8 23.8

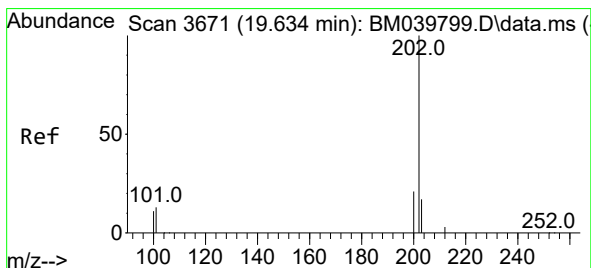
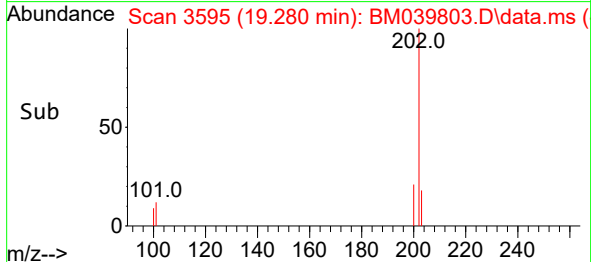
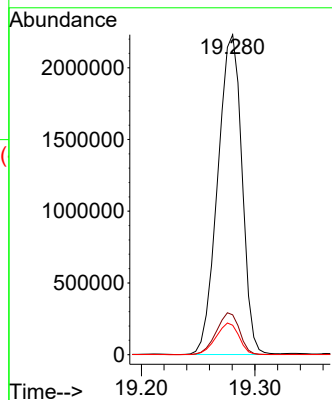
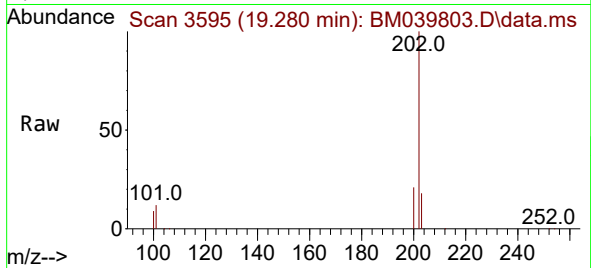




#19
Fluoranthene
Concen: 166.879 ng/ul
RT: 19.280 min Scan# 3595
Delta R.T. 0.009 min
Lab File: BM039803.D
Acq: 02 May 2023 15:42

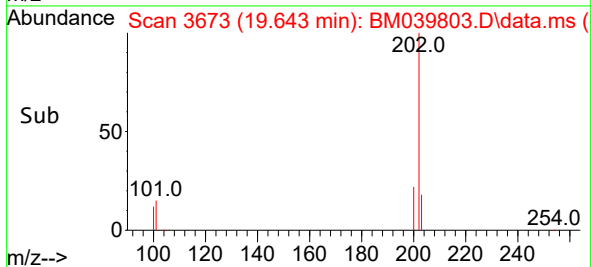
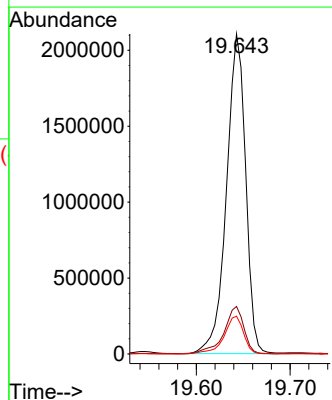
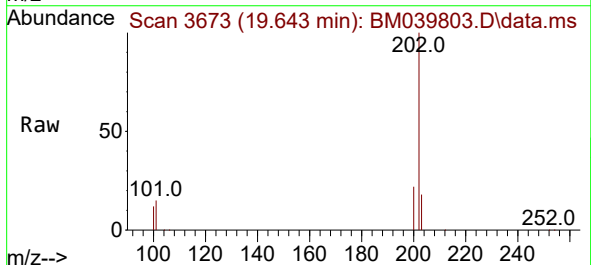
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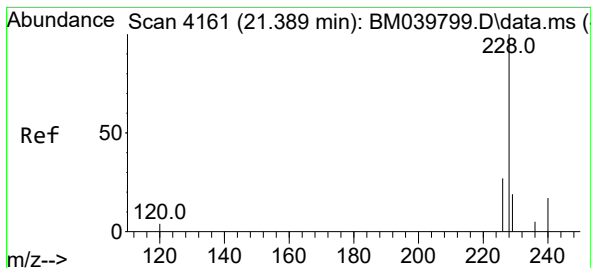
Tgt Ion:202 Resp: 3300061
Ion Ratio Lower Upper
202 100
101 12.5 9.8 14.8
100 9.2 7.3 10.9



#20
Pyrene
Concen: 139.718 ng/ul
RT: 19.643 min Scan# 3673
Delta R.T. 0.009 min
Lab File: BM039803.D
Acq: 02 May 2023 15:42

Tgt Ion:202 Resp: 2983707
Ion Ratio Lower Upper
202 100
101 14.8 10.9 16.3
100 11.8 8.9 13.3





#21

Benzo(a)anthracene

Concen: 104.618 ng/ul

RT: 21.391 min Scan# 41

Delta R.T. 0.001 min

Lab File: BM039803.D

Acq: 02 May 2023 15:42

Instrument :

BNA_M

ClientSampleId :

EW918

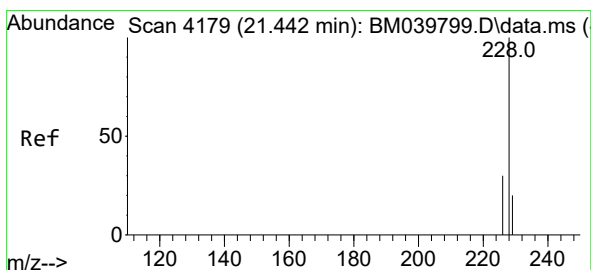
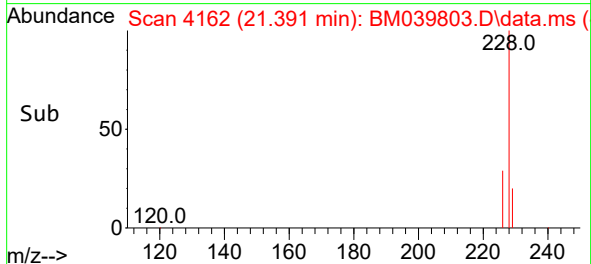
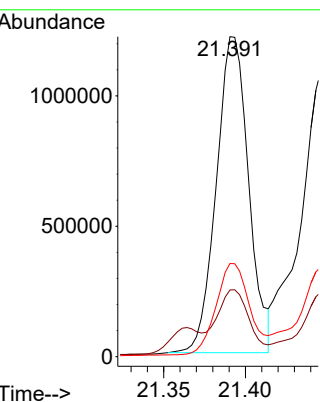
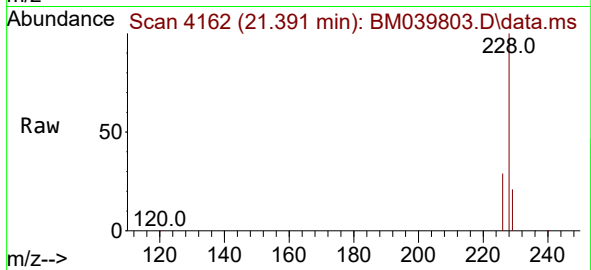
Tgt Ion:228 Resp: 1667287

Ion Ratio Lower Upper

228 100

229 20.9 16.2 24.2

226 29.1 21.6 32.4



#22

Chrysene

Concen: 88.298 ng/ul

RT: 21.446 min Scan# 4181

Delta R.T. 0.004 min

Lab File: BM039803.D

Acq: 02 May 2023 15:42

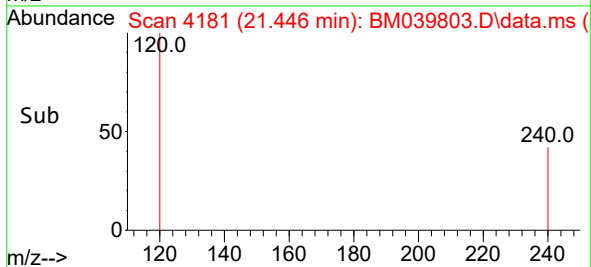
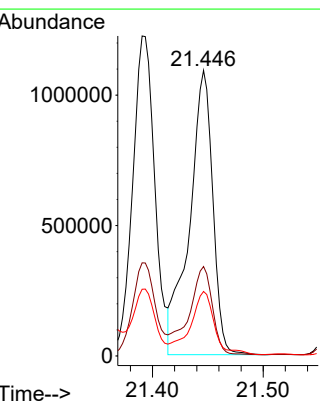
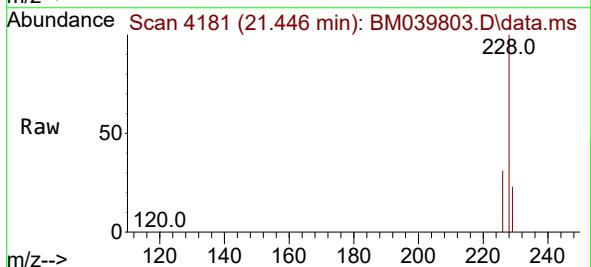
Tgt Ion:228 Resp: 1592502

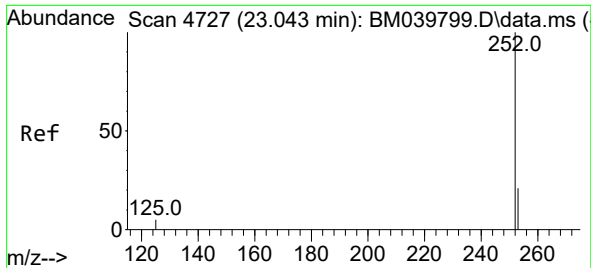
Ion Ratio Lower Upper

228 100

226 31.3 24.3 36.5

229 22.6 15.9 23.9

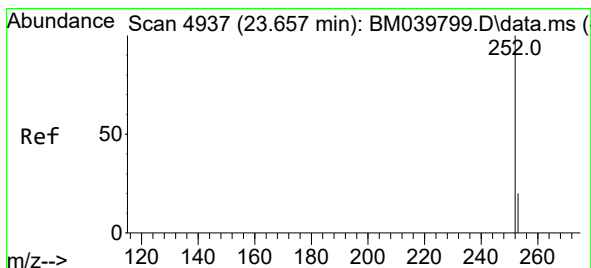
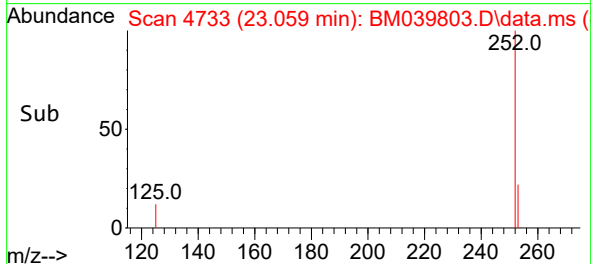
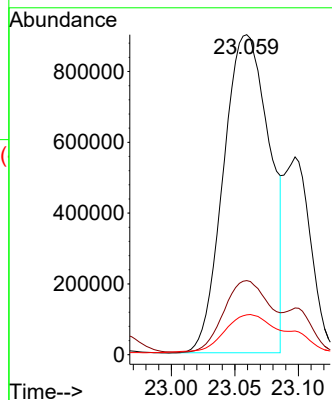
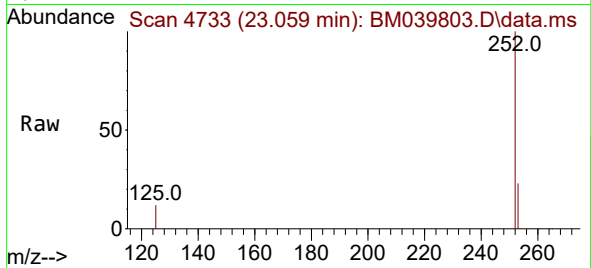




#24
Benzo(b)fluoranthene
Concen: 44.934 ng/ul
RT: 23.059 min Scan# 41
Delta R.T. 0.016 min
Lab File: BM039803.D
Acq: 02 May 2023 15:42

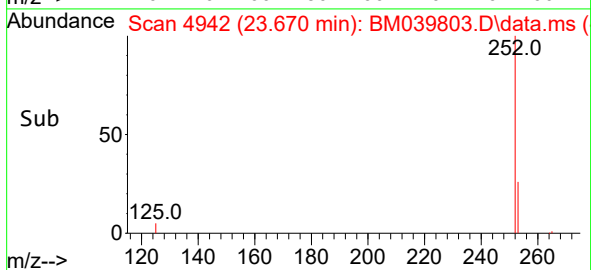
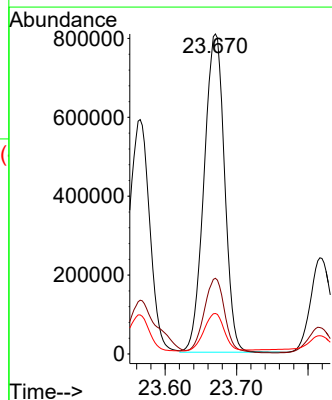
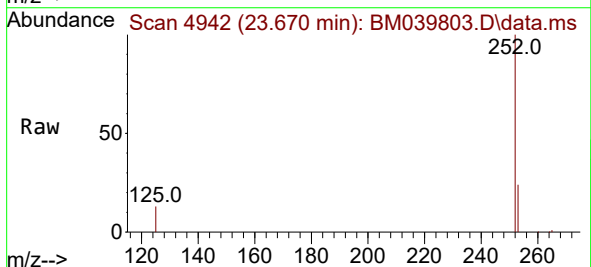
Instrument :
BNA_M
ClientSampleId :
EW918

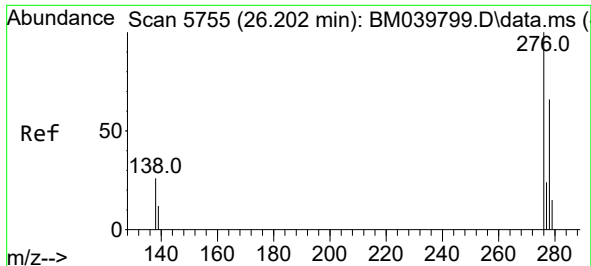
Tgt Ion:252 Resp: 2270796
Ion Ratio Lower Upper
252 100
253 23.2 0.0 52.8
125 12.5 0.0 31.6



#26
Benzo(a)pyrene
Concen: 35.476 ng/ul
RT: 23.670 min Scan# 4942
Delta R.T. 0.013 min
Lab File: BM039803.D
Acq: 02 May 2023 15:42

Tgt Ion:252 Resp: 1609677
Ion Ratio Lower Upper
252 100
253 23.7 24.7 37.1#
125 12.6 16.5 24.7#

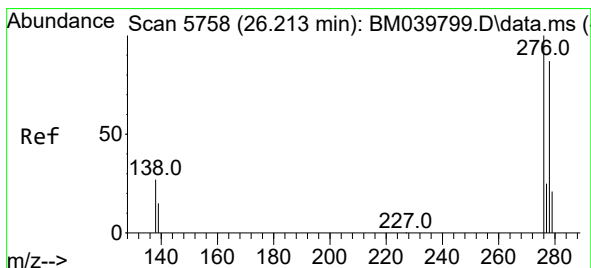
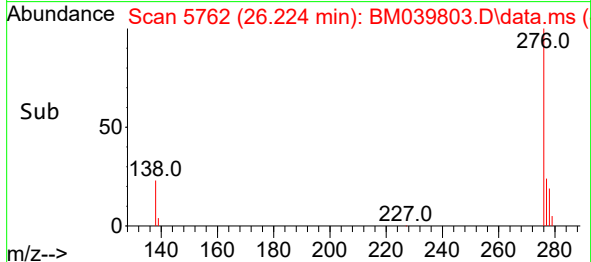
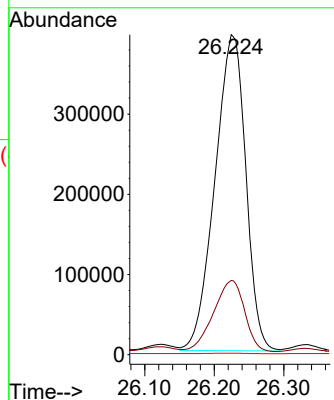
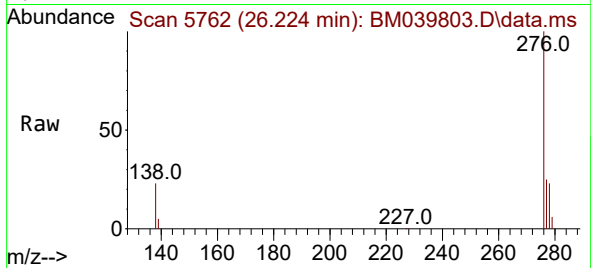




#27
Indeno(1,2,3-cd)pyrene
Concen: 21.183 ng/ul
RT: 26.224 min Scan# 5762
Delta R.T. 0.022 min
Lab File: BM039803.D
Acq: 02 May 2023 15:42

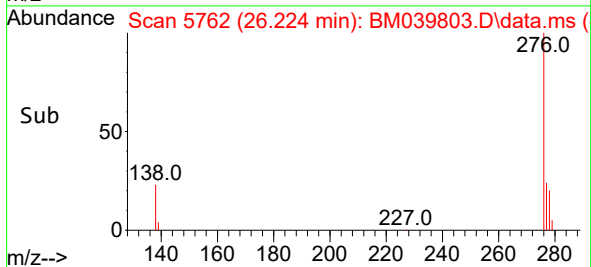
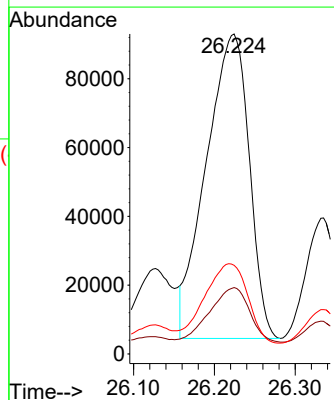
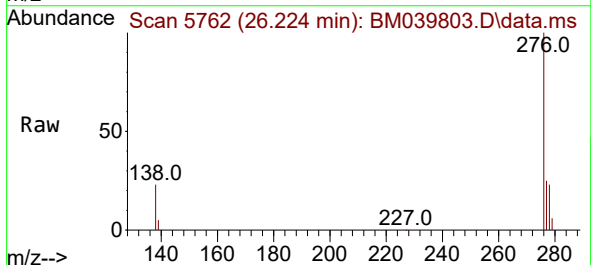
Instrument :
BNA_M
ClientSampleId :
EW918

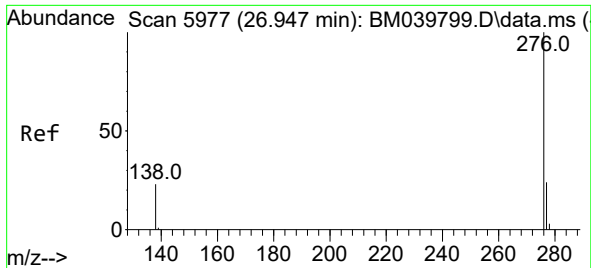
Tgt Ion:276 Resp: 1215317
Ion Ratio Lower Upper
276 100
138 22.6 21.1 31.7
227 0.2 0.1 0.1#



#28
Dibenzo(a,h)anthracene
Concen: 7.378 ng/ul
RT: 26.224 min Scan# 5762
Delta R.T. 0.012 min
Lab File: BM039803.D
Acq: 02 May 2023 15:42

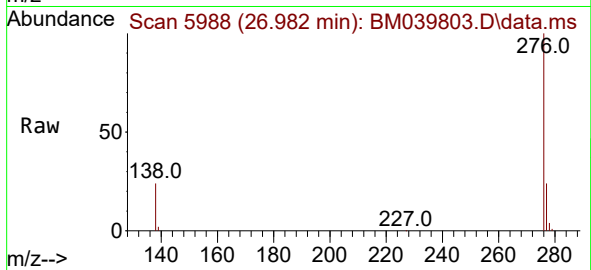
Tgt Ion:278 Resp: 328556
Ion Ratio Lower Upper
278 100
139 20.8 17.0 25.6
279 27.7 23.4 35.2





#29
Benzo(g,h,i)perylene
Concen: 20.053 ng/ul
RT: 26.982 min Scan# 5988
Delta R.T. 0.035 min
Lab File: BM039803.D
Acq: 02 May 2023 15:42

Instrument :
BNA_M
ClientSampleId :
EW918



Tgt Ion:276 Resp: 1002510

Ion	Ratio	Lower	Upper
276	100		
138	24.1	20.1	30.1
277	24.4	20.1	30.1

