

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050223\
 Data File : BM039804.D
 Acq On : 02 May 2023 16:18
 Operator : CG/JU
 Sample : 02419-22
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW919

Quant Time: May 03 04:16:14 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

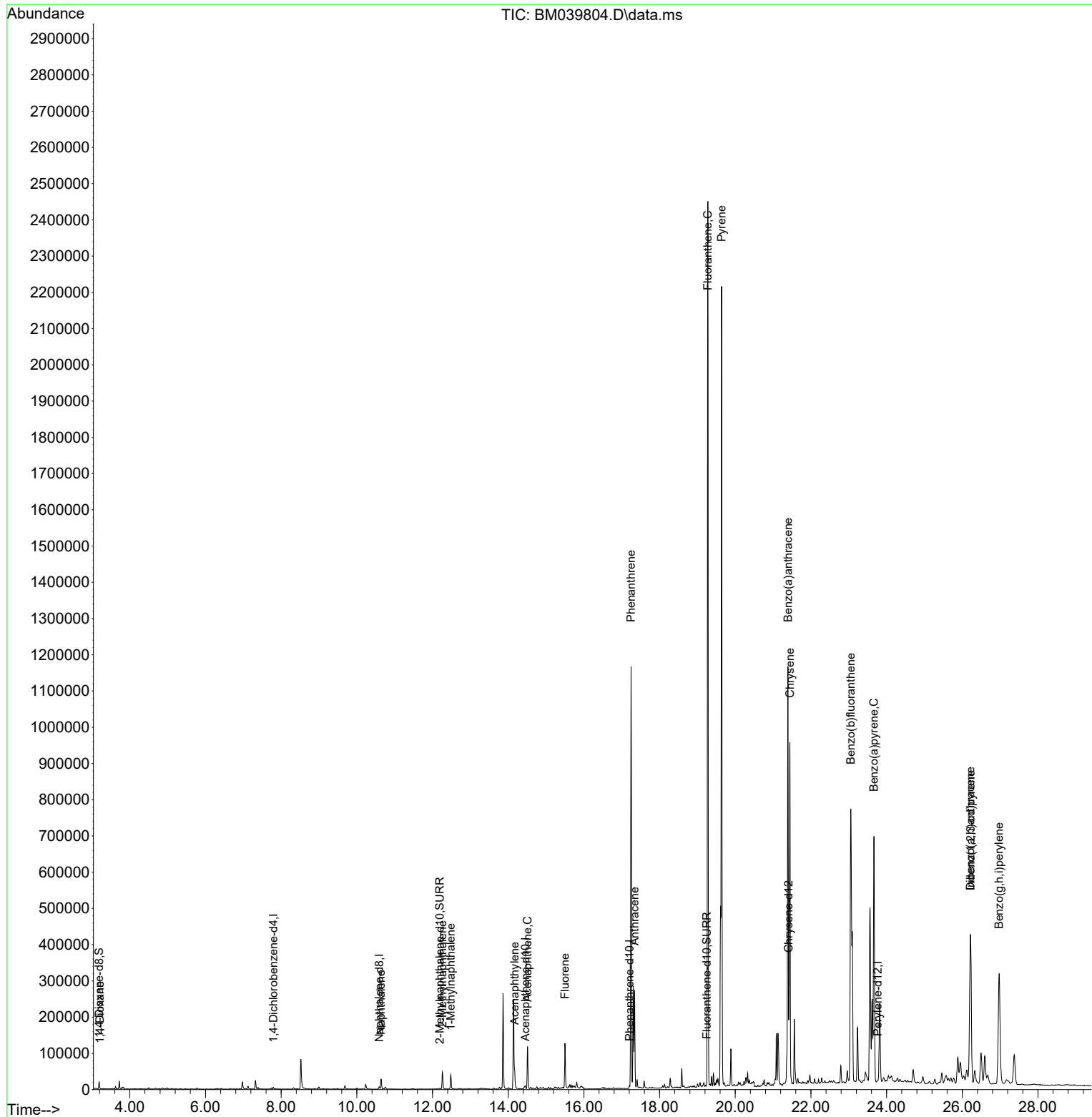
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.791	152	2852	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.589	136	8929	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.451	164	4668	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.204	188	9000	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.407	240	6185	0.400	ng/ul	# 0.00
23) Perylene-d12	23.766	264	8277	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.188	96	11456	2.726	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.190	152	2665	0.233	ng/ul	-0.01
18) Fluoranthene-d10	19.243	212	4334	0.260	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.209	88	95	0.022	ng/ul#	63
5) Naphthalene	10.639	128	39393	1.757	ng/ul	99
7) 2-Methylnaphthalene	12.261	142	36051	2.786	ng/ul	96
8) 1-Methylnaphthalene	12.481	142	27243	1.962	ng/ul	100
10) Acenaphthylene	14.168	152	65383	3.619	ng/ul	99
11) Acenaphthene	14.511	153	68134	4.801	ng/ul	98
12) Fluorene	15.501	166	78044	4.957	ng/ul	98
15) Phenanthrene	17.246	178	1221634	51.522	ng/ul	99
16) Anthracene	17.339	178	283108	13.905	ng/ul	97
19) Fluoranthene	19.276	202	2110908	95.665	ng/ul	99
20) Pyrene	19.638	202	1863774	78.216	ng/ul	98
21) Benzo(a)anthracene	21.392	228	1025734	57.681	ng/ul	98
22) Chrysene	21.445	228	910634	45.250	ng/ul	97
24) Benzo(b)fluoranthene	23.052	252	1358262	46.727	ng/ul	92
26) Benzo(a)pyrene	23.666	252	946481	36.266	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	26.219	276	720185	21.823	ng/ul#	93
28) Dibenzo(a,h)anthracene	26.216	278	182313	7.118	ng/ul	99
29) Benzo(g,h,i)perylene	26.974	276	675944	23.507	ng/ul	98

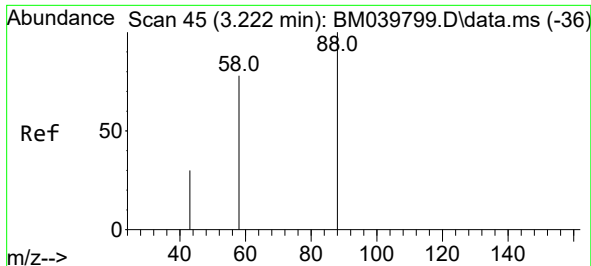
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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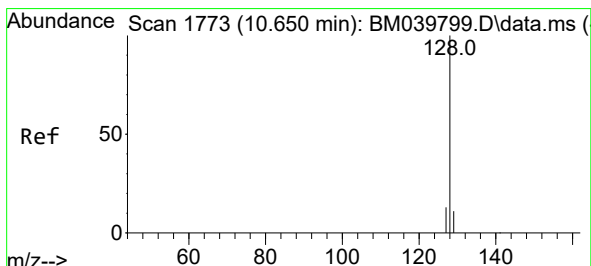
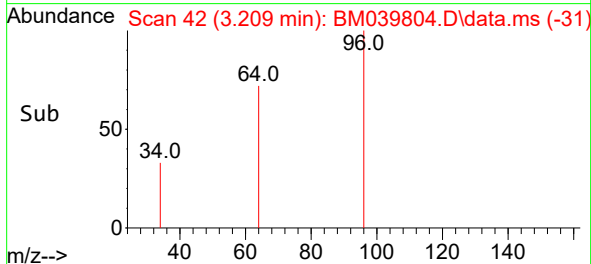
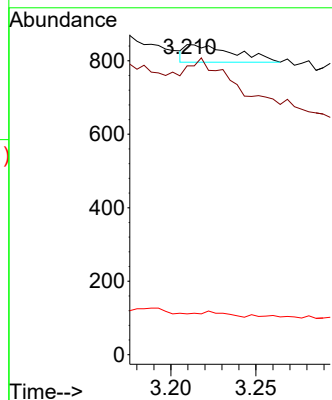
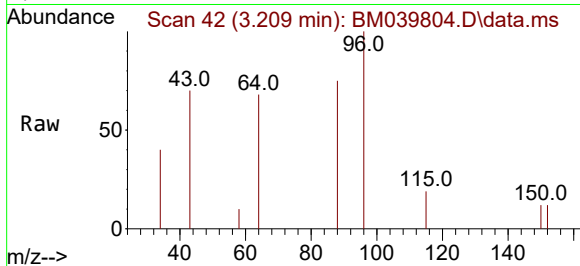




#2
1,4-Dioxane
Concen: 0.022 ng/ul
RT: 3.209 min Scan# 41
Delta R.T. -0.013 min
Lab File: BM039804.D
Acq: 02 May 2023 16:18

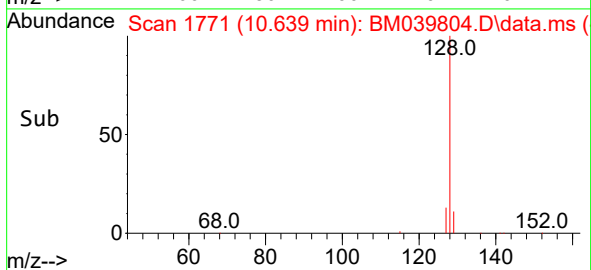
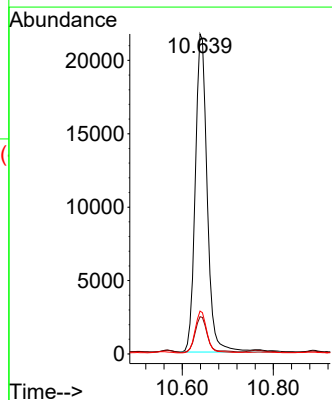
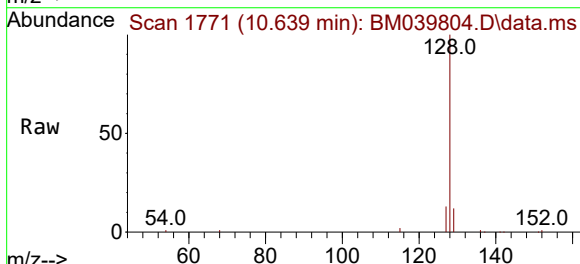
Instrument :
BNA_M
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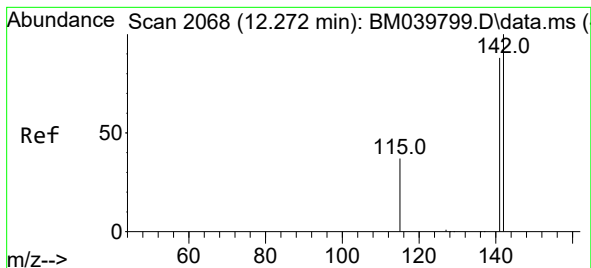
Tgt Ion: 88 Resp: 95
Ion Ratio Lower Upper
88 100
43 93.1 102.6 153.8#
58 13.2 40.6 61.0#



#5
Naphthalene
Concen: 1.757 ng/ul
RT: 10.639 min Scan# 1771
Delta R.T. -0.011 min
Lab File: BM039804.D
Acq: 02 May 2023 16:18

Tgt Ion: 128 Resp: 39393
Ion Ratio Lower Upper
128 100
129 11.7 9.8 14.6
127 13.4 11.1 16.7





#7

2-Methylnaphthalene

Concen: 2.786 ng/ul

RT: 12.261 min Scan# 2066

Delta R.T. -0.011 min

Lab File: BM039804.D

Acq: 02 May 2023 16:18

Instrument :

BNA_M

ClientSampleId :

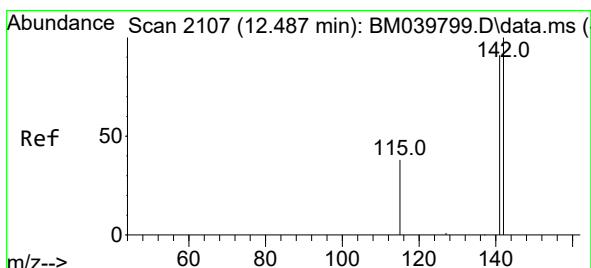
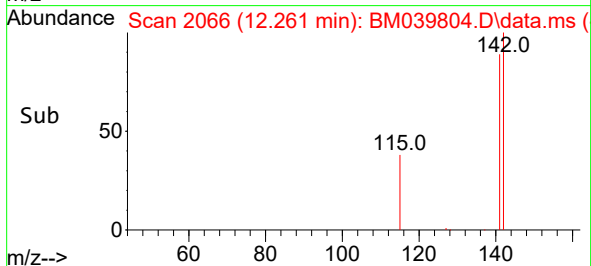
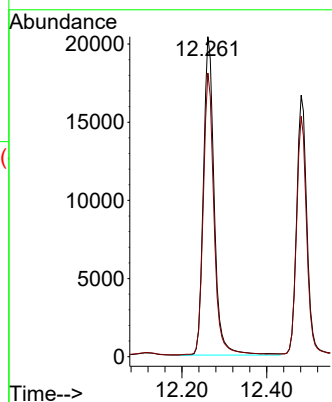
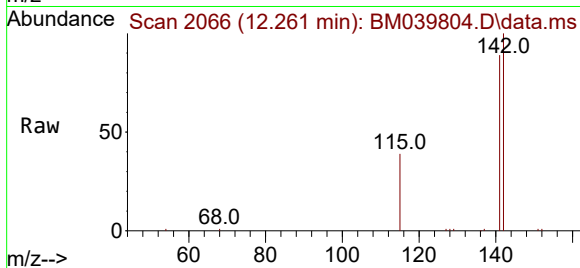
EW919

Tgt Ion:142 Resp: 36051

Ion Ratio Lower Upper

142 100

141 88.0 73.2 109.8



#8

1-Methylnaphthalene

Concen: 1.962 ng/ul

RT: 12.481 min Scan# 2106

Delta R.T. -0.005 min

Lab File: BM039804.D

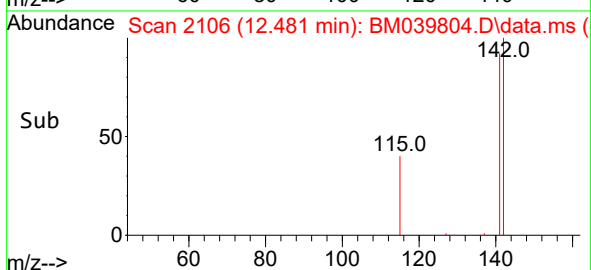
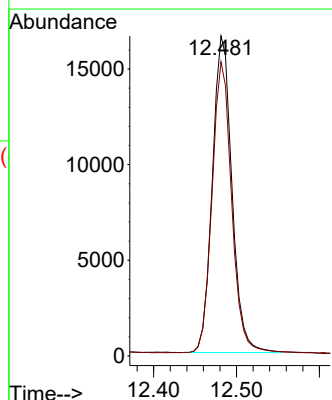
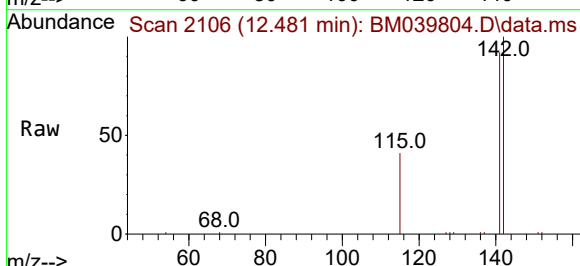
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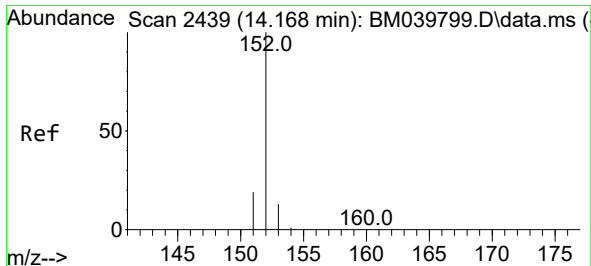
Tgt Ion:142 Resp: 27243

Ion Ratio Lower Upper

142 100

141 91.6 73.4 110.2

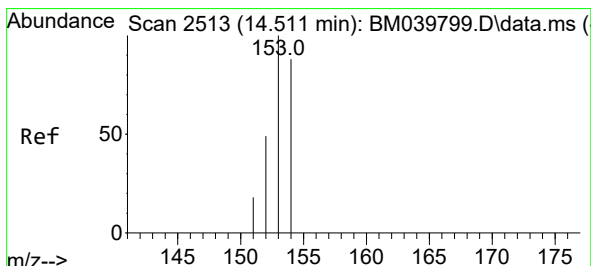
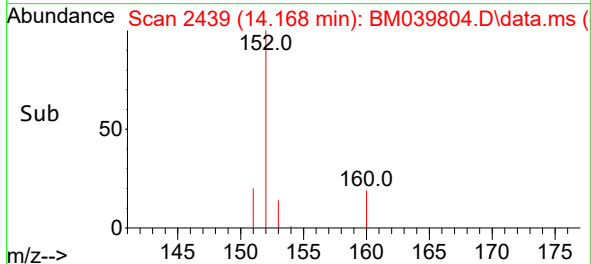
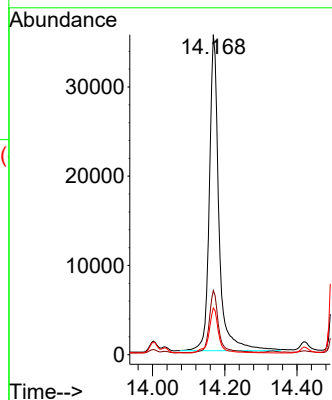
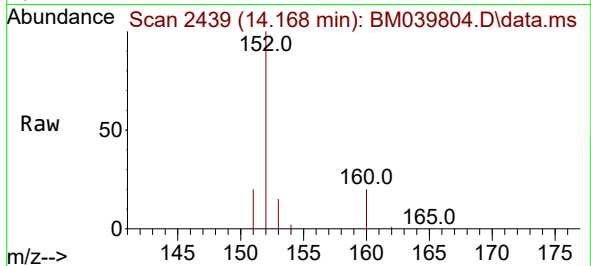




#10
Acenaphthylene
Concen: 3.619 ng/ul
RT: 14.168 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BM039804.D
Acq: 02 May 2023 16:18

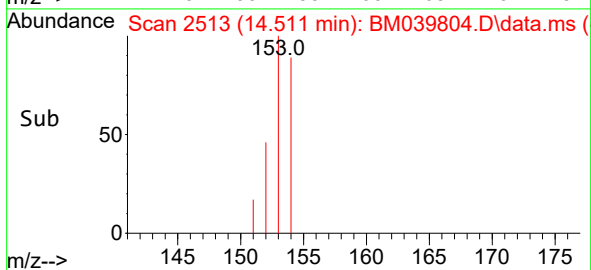
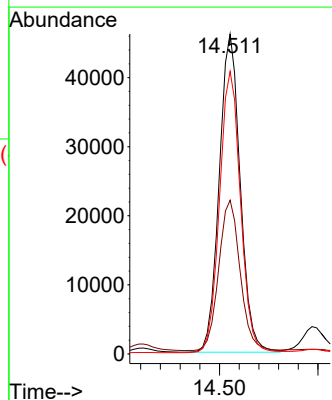
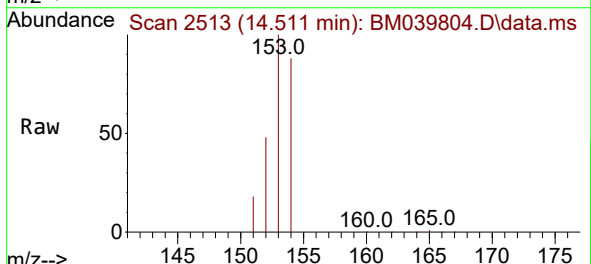
Instrument :
BNA_M
ClientSampleId :
EW919

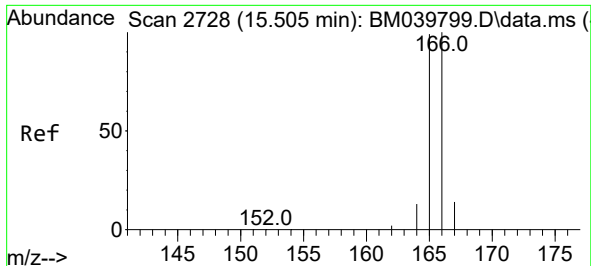
Tgt Ion:152 Resp: 65383
Ion Ratio Lower Upper
152 100
151 20.0 16.0 24.0
153 14.6 11.2 16.8



#11
Acenaphthene
Concen: 4.801 ng/ul
RT: 14.511 min Scan# 2513
Delta R.T. -0.000 min
Lab File: BM039804.D
Acq: 02 May 2023 16:18

Tgt Ion:153 Resp: 68134
Ion Ratio Lower Upper
153 100
152 48.1 40.6 61.0
154 88.3 71.9 107.9

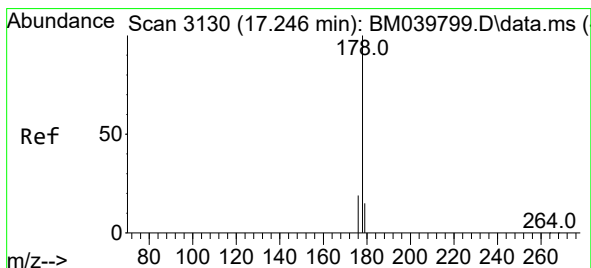
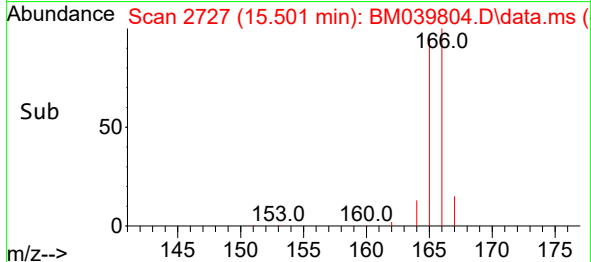
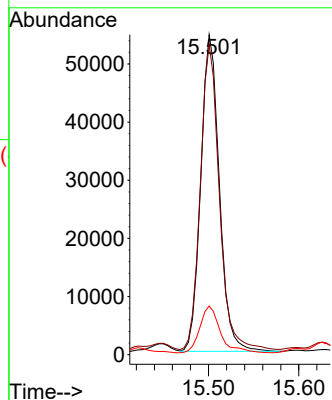
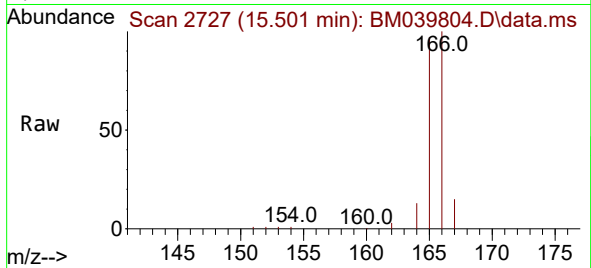




#12
Fluorene
Concen: 4.957 ng/ul
RT: 15.501 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM039804.D
Acq: 02 May 2023 16:18

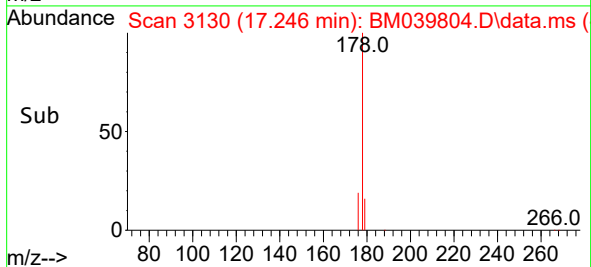
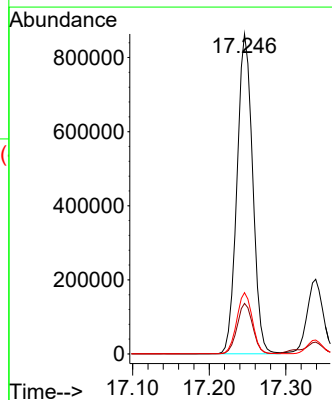
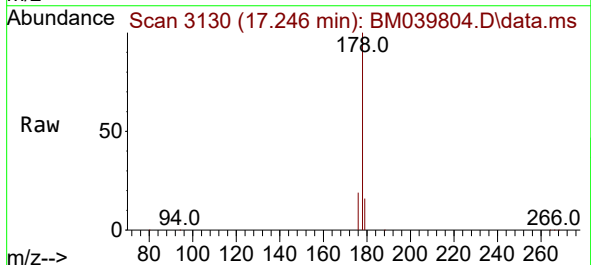
Instrument :
BNA_M
ClientSampleId :
EW919

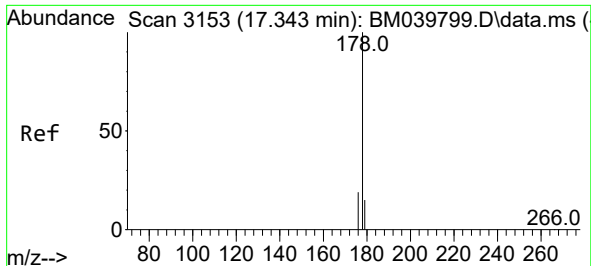
Tgt Ion:166 Resp: 78044
Ion Ratio Lower Upper
166 100
165 96.9 79.0 118.6
167 15.2 11.8 17.6



#15
Phenanthrene
Concen: 51.522 ng/ul
RT: 17.246 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BM039804.D
Acq: 02 May 2023 16:18

Tgt Ion:178 Resp: 1221634
Ion Ratio Lower Upper
178 100
179 15.8 13.0 19.6
176 19.2 15.8 23.8

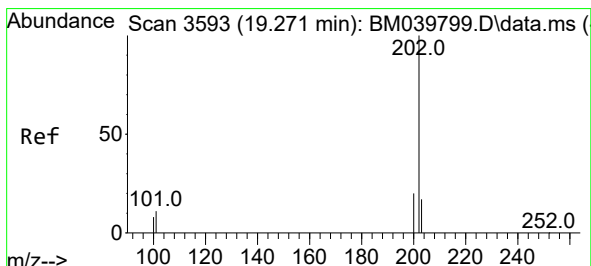
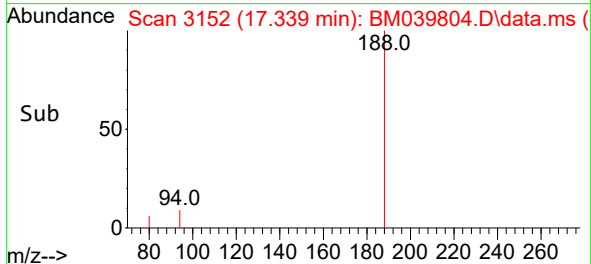
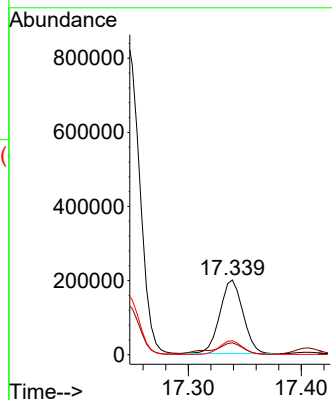
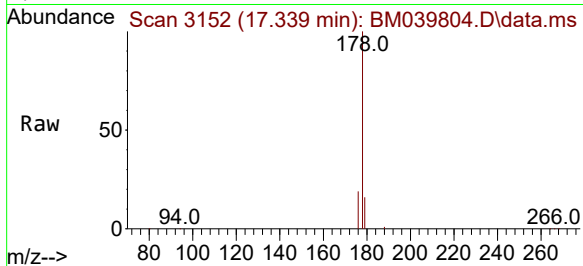




#16
 Anthracene
 Concen: 13.905 ng/ul
 RT: 17.339 min Scan# 3153
 Delta R.T. -0.004 min
 Lab File: BM039804.D
 Acq: 02 May 2023 16:18

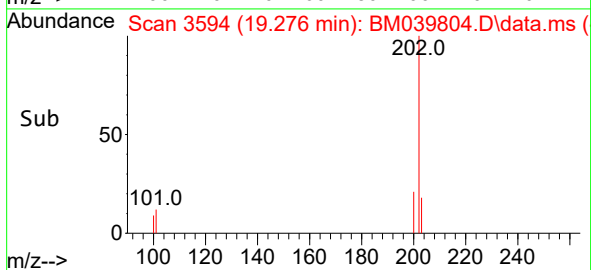
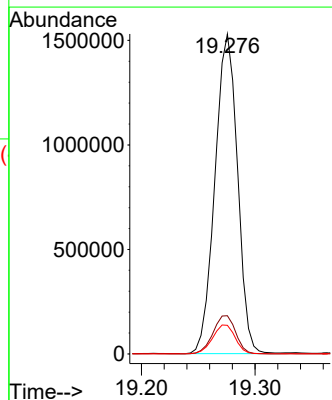
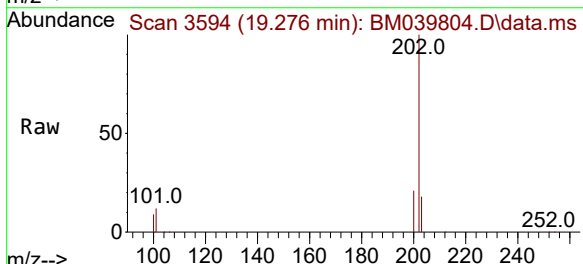
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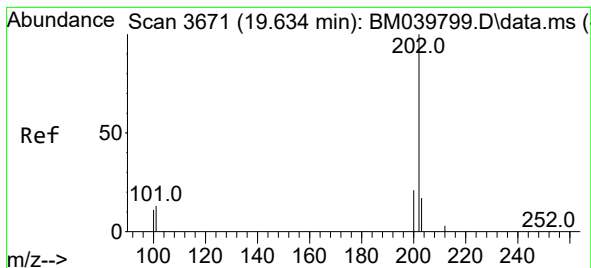
Tgt Ion:178 Resp: 283108
 Ion Ratio Lower Upper
 178 100
 179 15.8 13.8 20.6
 176 18.6 15.8 23.8



#19
 Fluoranthene
 Concen: 95.665 ng/ul
 RT: 19.276 min Scan# 3594
 Delta R.T. 0.005 min
 Lab File: BM039804.D
 Acq: 02 May 2023 16:18

Tgt Ion:202 Resp: 2110908
 Ion Ratio Lower Upper
 202 100
 101 12.0 9.8 14.8
 100 9.0 7.3 10.9





#20

Pyrene

Concen: 78.216 ng/ul

RT: 19.638 min Scan# 3

Delta R.T. 0.005 min

Lab File: BM039804.D

Acq: 02 May 2023 16:18

Instrument :

BNA_M

ClientSampleId :

EW919

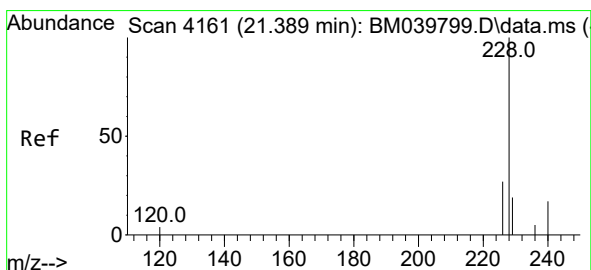
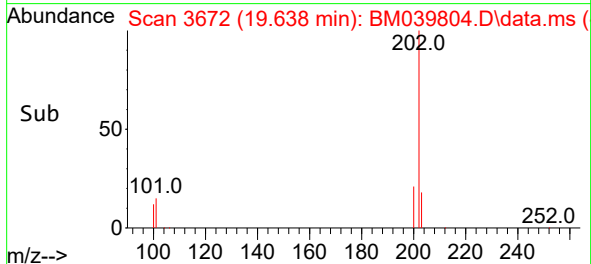
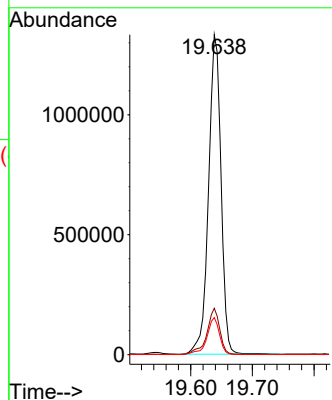
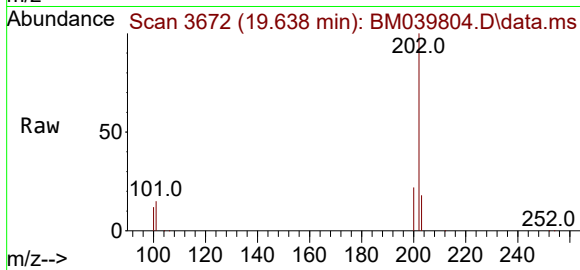
Tgt Ion:202 Resp: 1863774

Ion Ratio Lower Upper

202 100

101 14.5 10.9 16.3

100 11.6 8.9 13.3



#21

Benzo(a)anthracene

Concen: 57.681 ng/ul

RT: 21.392 min Scan# 4162

Delta R.T. 0.003 min

Lab File: BM039804.D

Acq: 02 May 2023 16:18

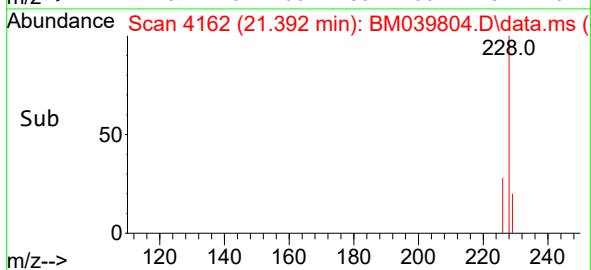
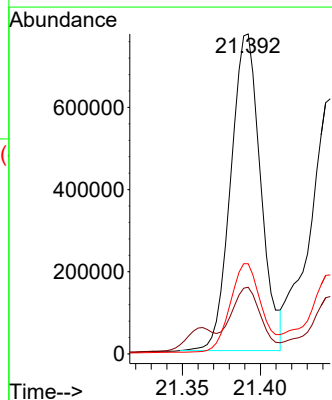
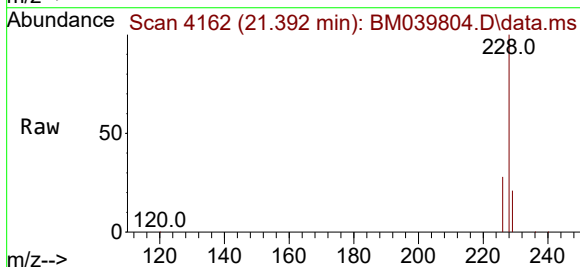
Tgt Ion:228 Resp: 1025734

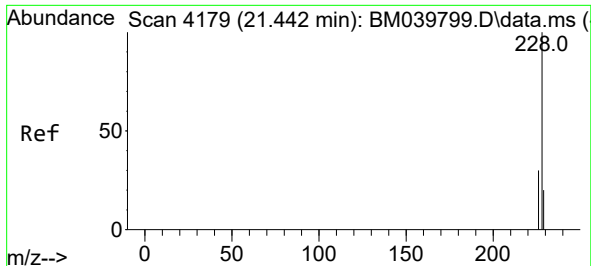
Ion Ratio Lower Upper

228 100

229 20.8 16.2 24.2

226 28.2 21.6 32.4





#22

Chrysene

Concen: 45.250 ng/ul

RT: 21.445 min Scan# 41

Delta R.T. 0.003 min

Lab File: BM039804.D

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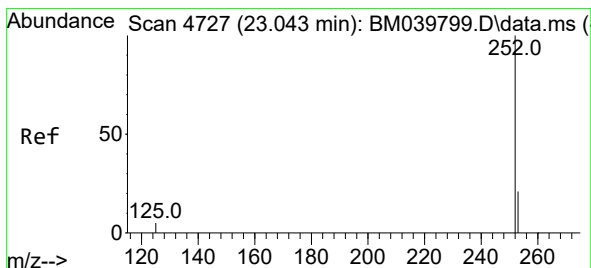
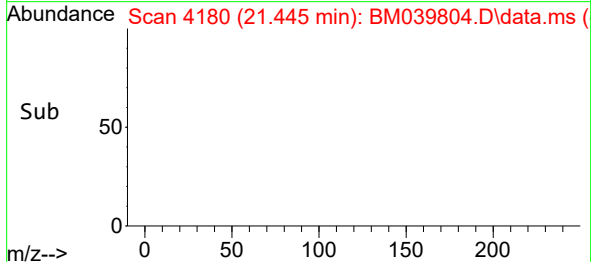
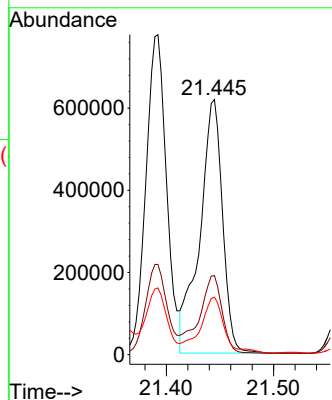
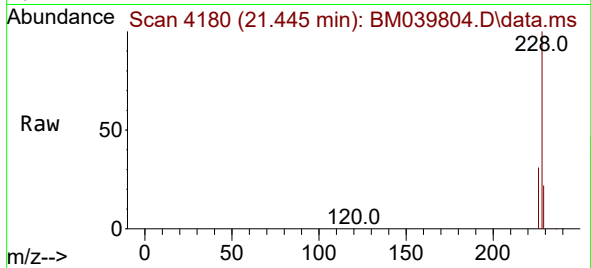
Tgt Ion:228 Resp: 910634

Ion Ratio Lower Upper

228 100

226 31.0 24.3 36.5

229 22.5 15.9 23.9



#24

Benzo(b)fluoranthene

Concen: 46.727 ng/ul

RT: 23.052 min Scan# 4730

Delta R.T. 0.009 min

Lab File: BM039804.D

Acq: 02 May 2023 16:18

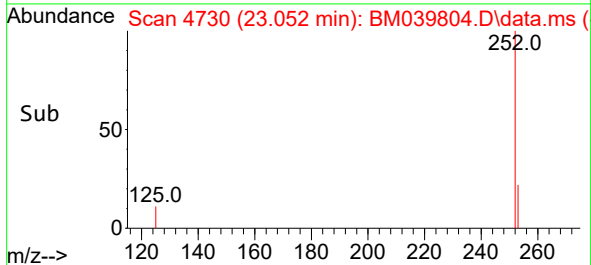
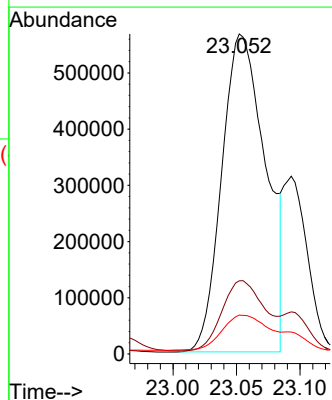
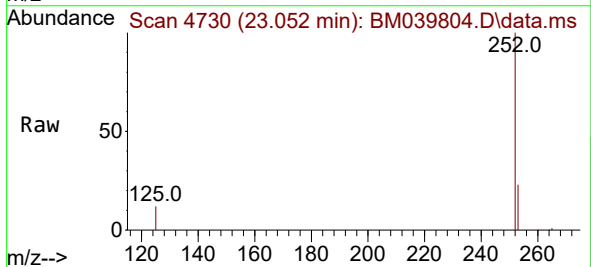
Tgt Ion:252 Resp: 1358262

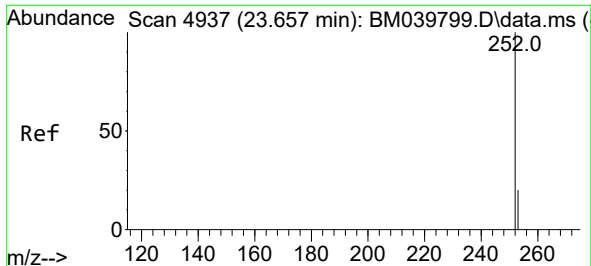
Ion Ratio Lower Upper

252 100

253 22.9 0.0 52.8

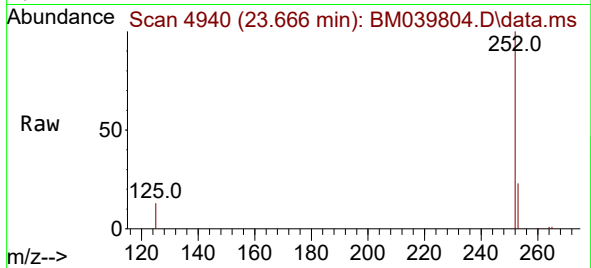
125 12.1 0.0 31.6



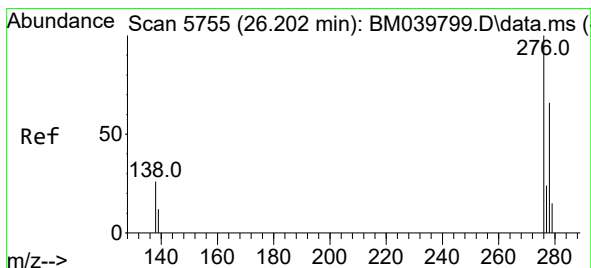
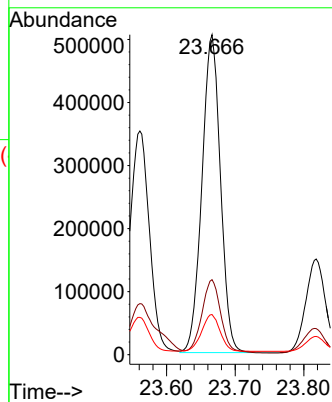
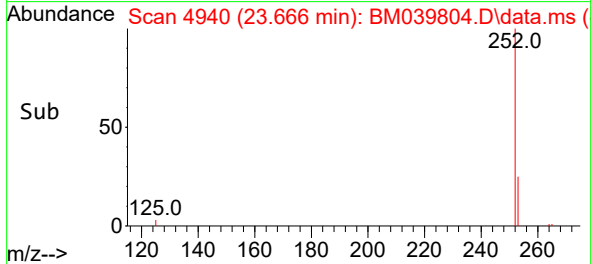


#26
Benzo(a)pyrene
Concen: 36.266 ng/ul
RT: 23.666 min Scan# 4937
Delta R.T. 0.009 min
Lab File: BM039804.D
Acq: 02 May 2023 16:18

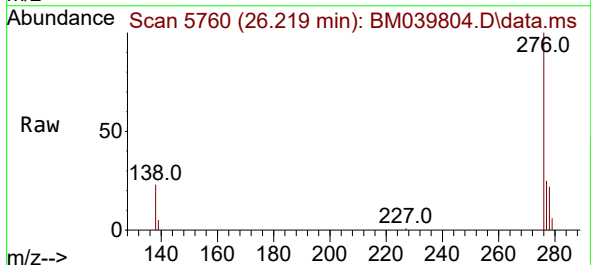
Instrument :
BNA_M
ClientSampleId :
EW919



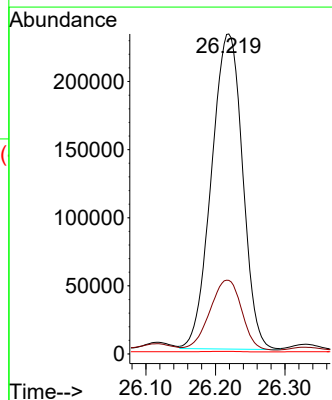
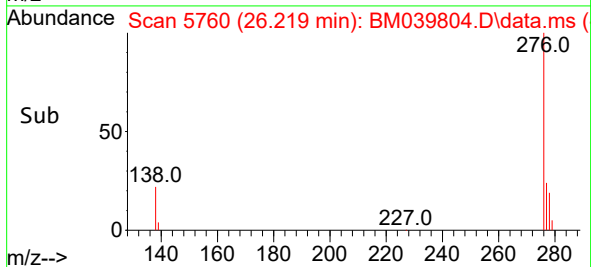
Tgt Ion:252 Resp: 946481
Ion Ratio Lower Upper
252 100
253 23.4 24.7 37.1#
125 12.6 16.5 24.7#

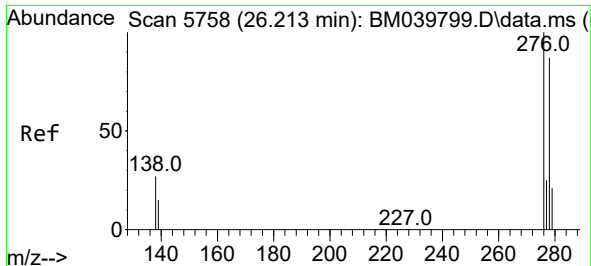


#27
Indeno(1,2,3-cd)pyrene
Concen: 21.823 ng/ul
RT: 26.219 min Scan# 5760
Delta R.T. 0.017 min
Lab File: BM039804.D
Acq: 02 May 2023 16:18



Tgt Ion:276 Resp: 720185
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: 7.118 ng/ul

RT: 26.216 min Scan# 51

Delta R.T. 0.003 min

Lab File: BM039804.D

Acq: 02 May 2023 16:18

Instrument :

BNA_M

ClientSampleId :

EW919

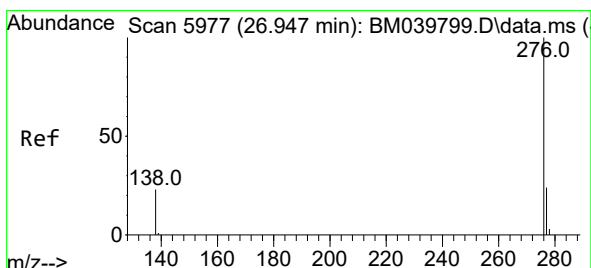
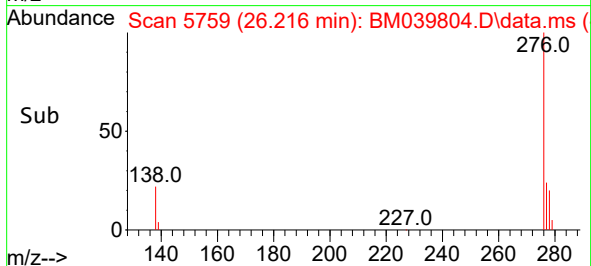
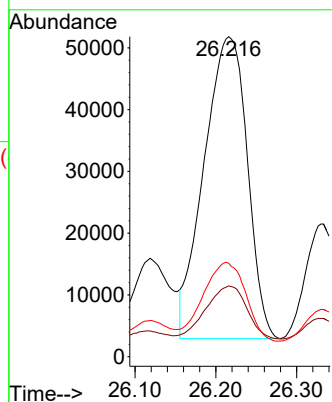
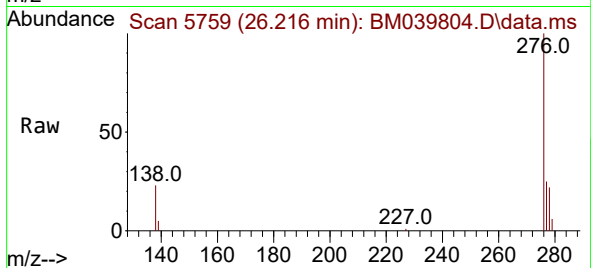
Tgt Ion:278 Resp: 182313

Ion Ratio Lower Upper

278 100

139 22.1 17.0 25.6

279 29.2 23.4 35.2



#29

Benzo(g,h,i)perylene

Concen: 23.507 ng/ul

RT: 26.974 min Scan# 5985

Delta R.T. 0.027 min

Lab File: BM039804.D

Acq: 02 May 2023 16:18

Tgt Ion:276 Resp: 675944

Ion Ratio Lower Upper

276 100

138 23.6 20.1 30.1

277 24.5 20.1 30.1

