

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041117.D
 Acq On : 25 Jul 2023 22:03
 Operator : MA/JU
 Sample : 03534-19DL 5X
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4737DL

Quant Time: Jul 26 04:41:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 26 04:20:13 2023
 Response via : Initial Calibration

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

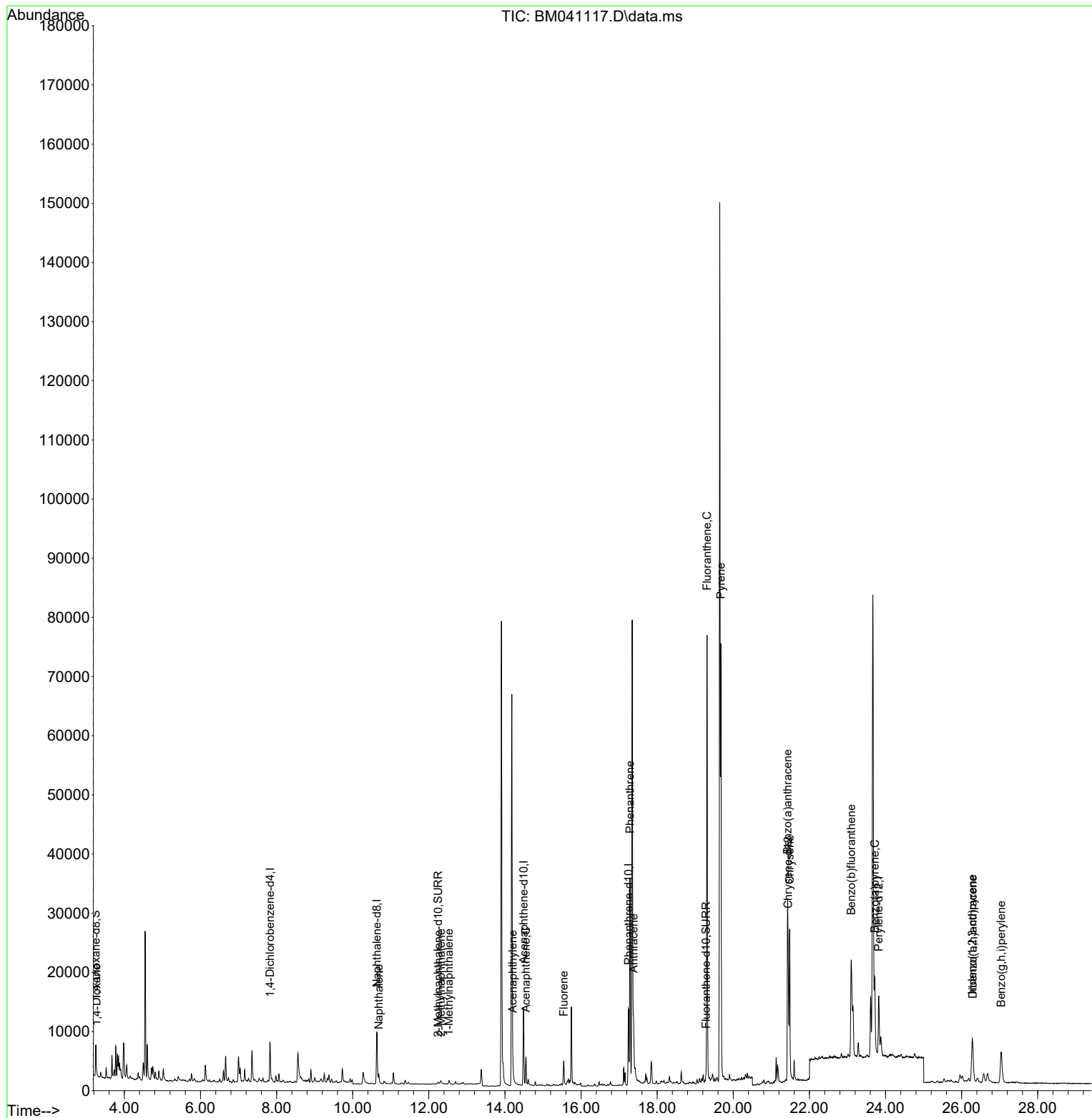
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	4032	0.400	ng/ul	0.00
4) Naphthalene-d8	10.636	136	13964	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.490	164	7505	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.248	188	16044	0.400	ng/ul	0.00
17) Chrysene-d12	21.442	240	13144	0.400	ng/ul	0.00
23) Perylene-d12	23.822	264	13324	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.250	96	3179	0.511	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.242	152	798	0.040	ng/ul	0.00
18) Fluoranthene-d10	19.283	212	1585	0.044	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.271	88	140	0.022	ng/ul#	32
5) Naphthalene	10.686	128	2148	0.047	ng/ul#	88
7) 2-Methylnaphthalene	12.319	142	639	0.029	ng/ul	96
8) 1-Methylnaphthalene	12.528	142	548	0.024	ng/ul	93
10) Acenaphthylene	14.208	152	1388	0.044	ng/ul#	78
11) Acenaphthene	14.550	153	2789	0.104	ng/ul	99
12) Fluorene	15.545	166	2852	0.098	ng/ul#	97
15) Phenanthrene	17.286	178	37348	0.755	ng/ul	98
16) Anthracene	17.379	178	9056	0.226	ng/ul	98
19) Fluoranthene	19.311	202	65919	1.399	ng/ul	98
20) Pyrene	19.673	202	61806	1.190	ng/ul	98
21) Benzo(a)anthracene	21.428	228	25912	0.590	ng/ul	98
22) Chrysene	21.480	228	24990	0.492	ng/ul	97
24) Benzo(b)fluoranthene	23.100	252	29397	0.554	ng/ul	98
26) Benzo(a)pyrene	23.716	252	17529	0.408	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	26.280	276	13722	0.216	ng/ul#	91
28) Dibenzo(a,h)anthracene	26.290	278	3390	0.068	ng/ul#	61
29) Benzo(g,h,i)perylene	27.038	276	11871	0.209	ng/ul	96

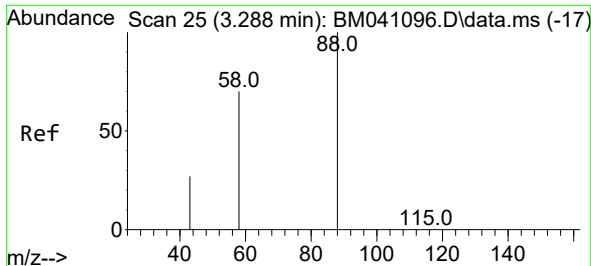
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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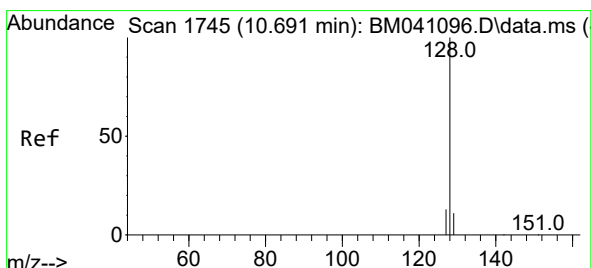
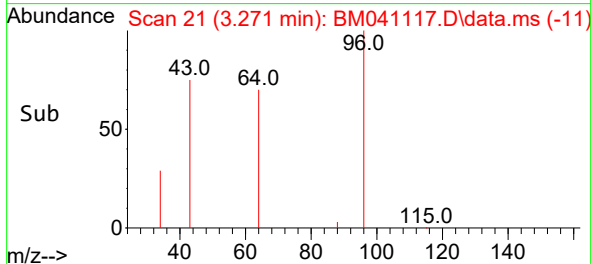
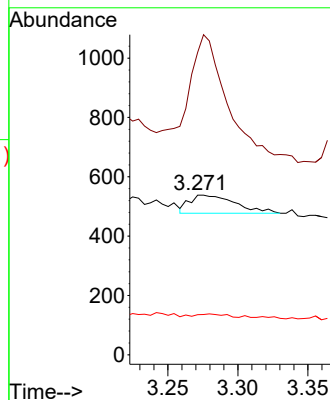
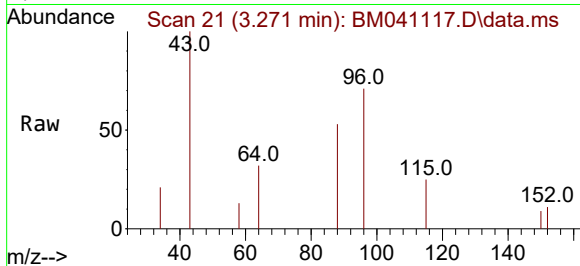




#2
1,4-Dioxane
Concen: 0.022 ng/ul
RT: 3.271 min Scan# 21
Delta R.T. -0.017 min
Lab File: BM041117.D
Acq: 25 Jul 2023 22:03

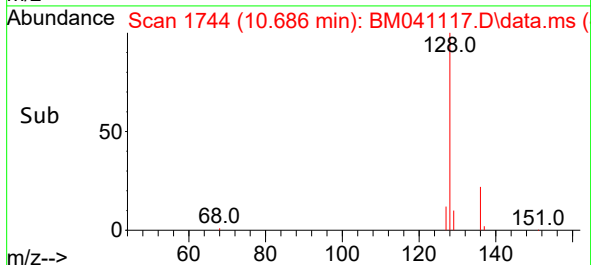
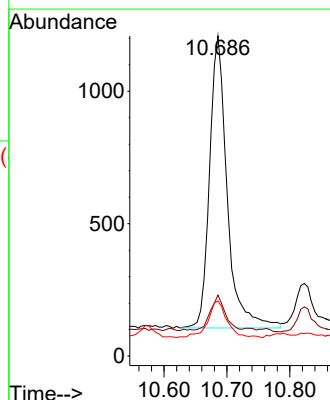
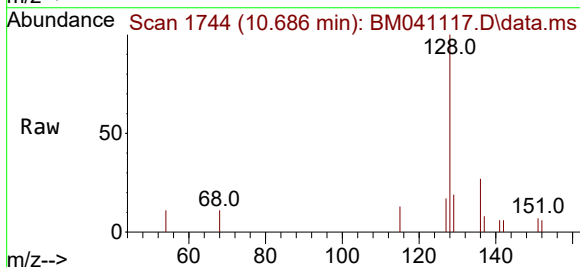
Instrument :
BNA_P
ClientSampleId :
A4737DL

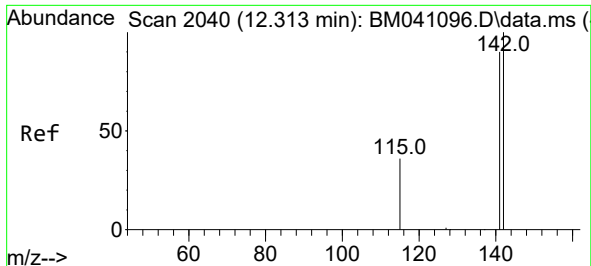
Tgt Ion: 88 Resp: 140
Ion Ratio Lower Upper
88 100
43 189.4 83.1 124.7#
58 25.1 38.8 58.2#



#5
Naphthalene
Concen: 0.047 ng/ul
RT: 10.686 min Scan# 1744
Delta R.T. -0.006 min
Lab File: BM041117.D
Acq: 25 Jul 2023 22:03

Tgt Ion: 128 Resp: 2148
Ion Ratio Lower Upper
128 100
129 19.0 9.8 14.8#
127 17.2 11.1 16.7#

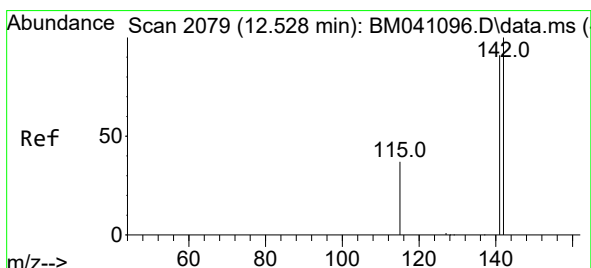
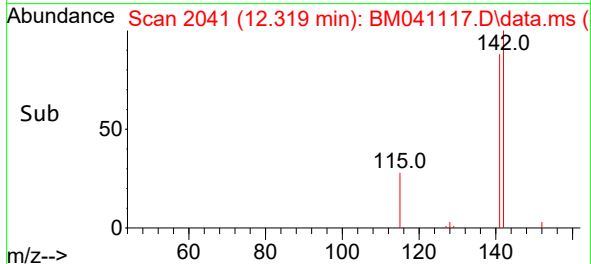
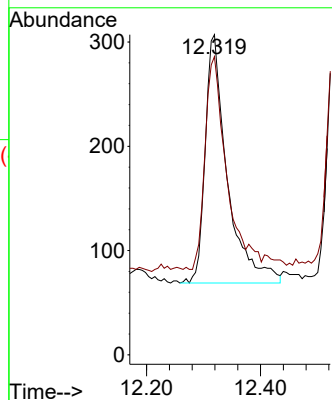
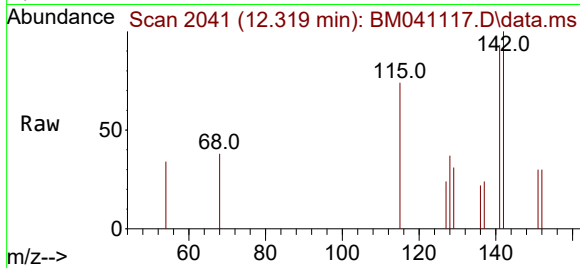




#7
2-Methylnaphthalene
Concen: 0.029 ng/ul
RT: 12.319 min Scan# 2041
Delta R.T. 0.005 min
Lab File: BM041117.D
Acq: 25 Jul 2023 22:03

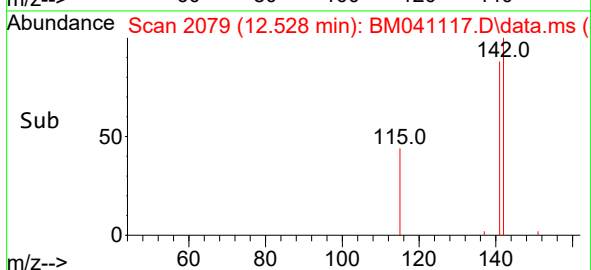
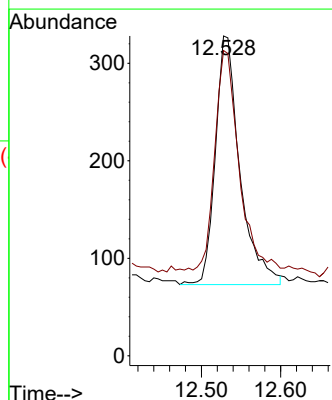
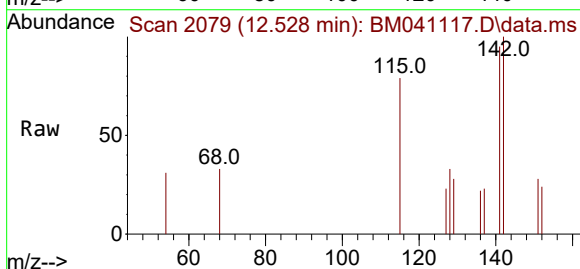
Instrument :
BNA_P
ClientSampleId :
A4737DL

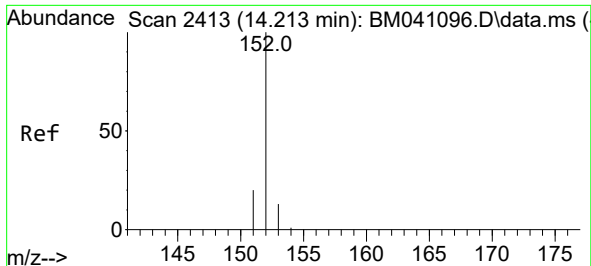
Tgt Ion:142 Resp: 639
Ion Ratio Lower Upper
142 100
141 87.8 73.3 109.9



#8
1-Methylnaphthalene
Concen: 0.024 ng/ul
RT: 12.528 min Scan# 2079
Delta R.T. -0.000 min
Lab File: BM041117.D
Acq: 25 Jul 2023 22:03

Tgt Ion:142 Resp: 548
Ion Ratio Lower Upper
142 100
141 85.8 73.6 110.4

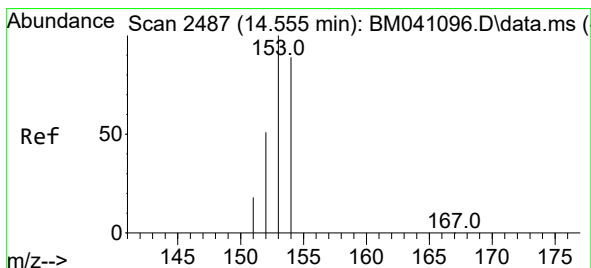
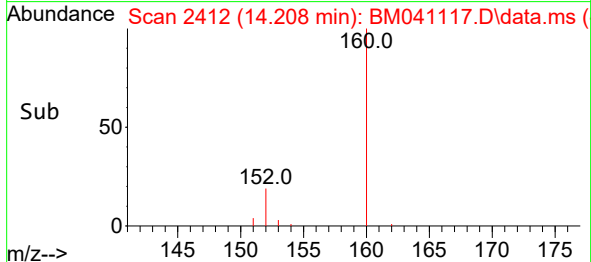
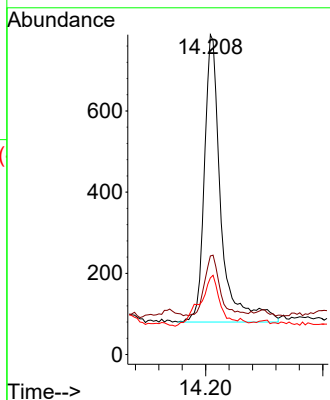
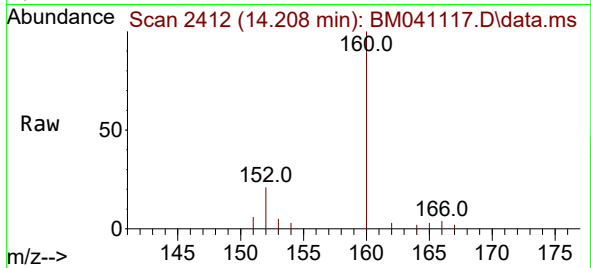




#10
Acenaphthylene
Concen: 0.044 ng/ul
RT: 14.208 min Scan# 2413
Delta R.T. -0.005 min
Lab File: BM041117.D
Acq: 25 Jul 2023 22:03

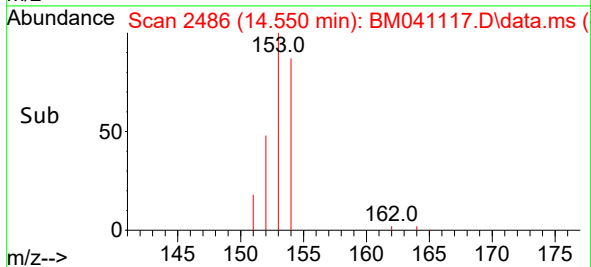
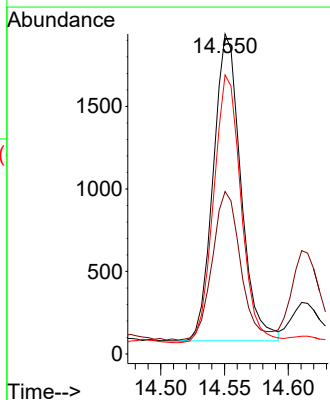
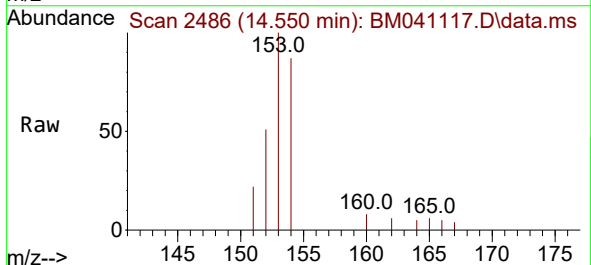
Instrument :
BNA_P
ClientSampleId :
A4737DL

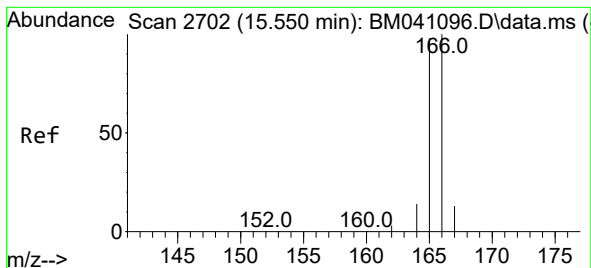
Tgt Ion:152 Resp: 1388
Ion Ratio Lower Upper
152 100
151 30.8 16.8 25.2#
153 24.0 11.4 17.2#



#11
Acenaphthene
Concen: 0.104 ng/ul
RT: 14.550 min Scan# 2486
Delta R.T. -0.005 min
Lab File: BM041117.D
Acq: 25 Jul 2023 22:03

Tgt Ion:153 Resp: 2789
Ion Ratio Lower Upper
153 100
152 50.7 40.2 60.4
154 87.2 70.3 105.5





#12

Fluorene

Concen: 0.098 ng/ul

RT: 15.545 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM041117.D

Acq: 25 Jul 2023 22:03

Instrument :

BNA_P

ClientSampleId :

A4737DL

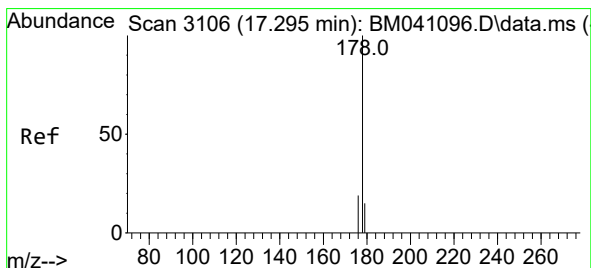
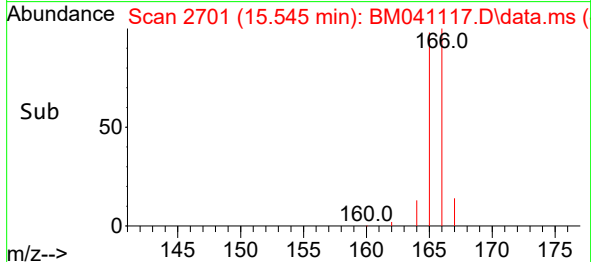
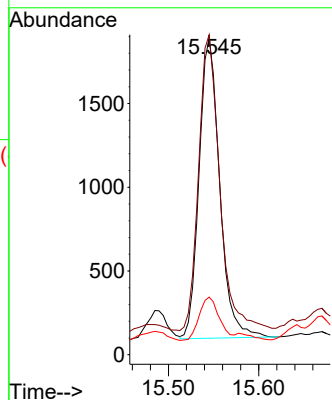
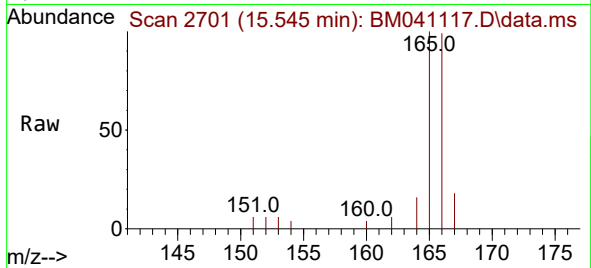
Tgt Ion:166 Resp: 2852

Ion Ratio Lower Upper

166 100

165 101.1 79.4 119.0

167 18.2 11.4 17.2#



#15

Phenanthrene

Concen: 0.755 ng/ul

RT: 17.286 min Scan# 3104

Delta R.T. -0.008 min

Lab File: BM041117.D

Acq: 25 Jul 2023 22:03

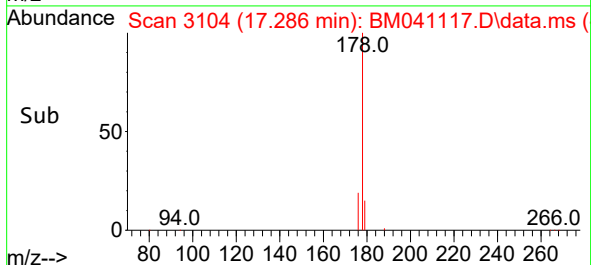
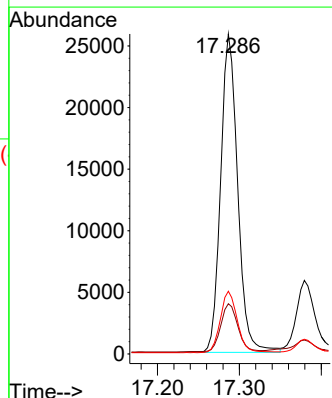
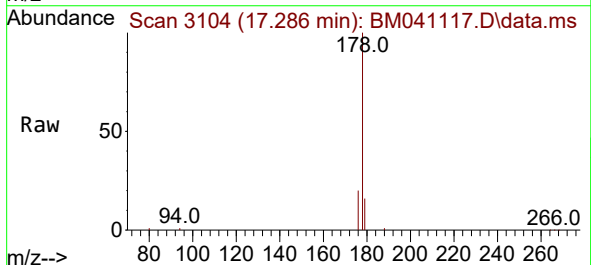
Tgt Ion:178 Resp: 37348

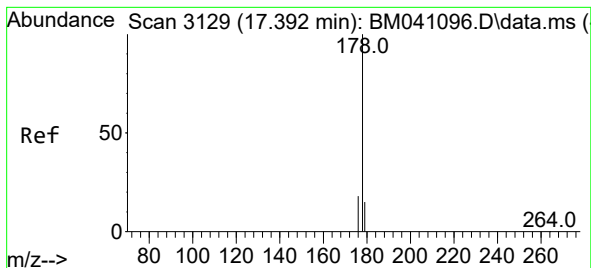
Ion Ratio Lower Upper

178 100

179 15.7 13.4 20.2

176 19.6 16.0 24.0





#16

Anthracene

Concen: 0.226 ng/ul

RT: 17.379 min Scan# 31

Delta R.T. -0.013 min

Lab File: BM041117.D

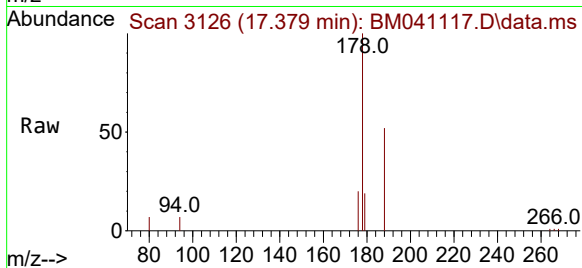
Acq: 25 Jul 2023 22:03

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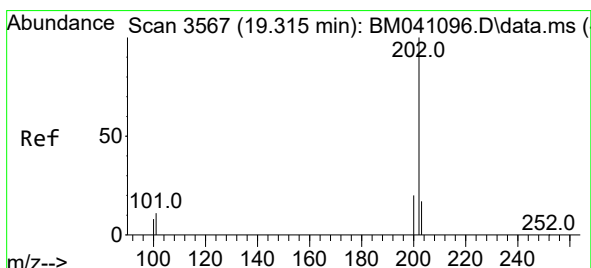
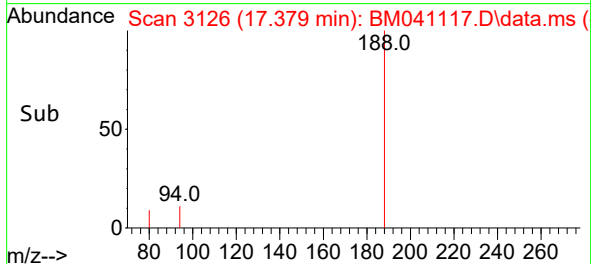
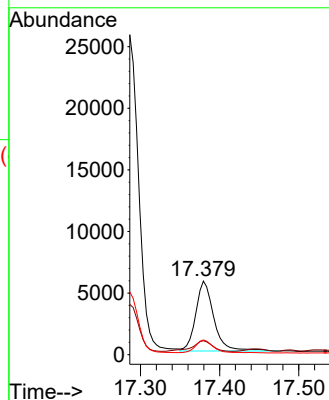
Tgt Ion:178 Resp: 9056

Ion Ratio Lower Upper

178 100

179 18.8 13.6 20.4

176 20.0 16.0 24.0



#19

Fluoranthene

Concen: 1.399 ng/ul

RT: 19.311 min Scan# 3566

Delta R.T. -0.005 min

Lab File: BM041117.D

Acq: 25 Jul 2023 22:03

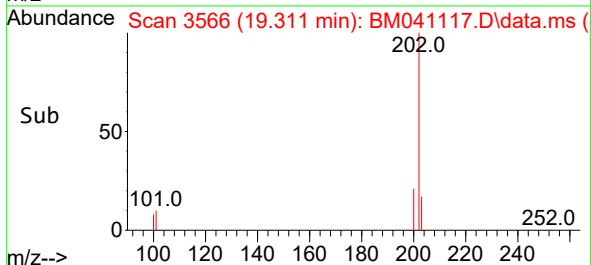
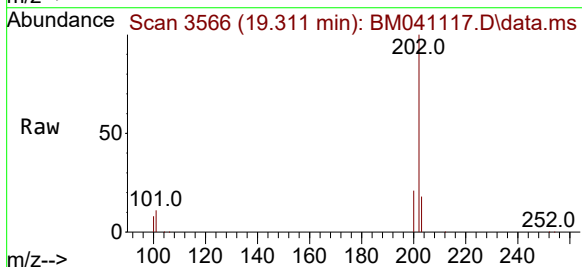
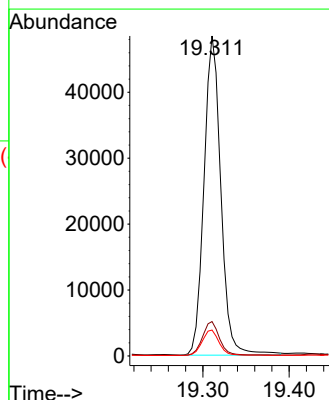
Tgt Ion:202 Resp: 65919

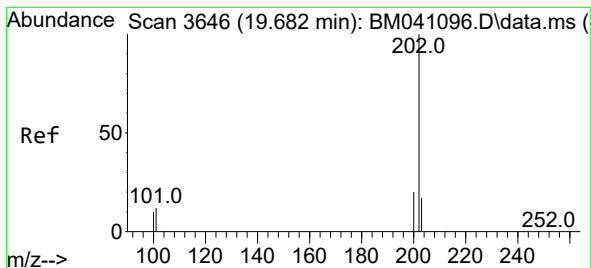
Ion Ratio Lower Upper

202 100

101 10.7 9.4 14.0

100 8.1 7.1 10.7





#20

Pyrene

Concen: 1.190 ng/ul

RT: 19.673 min Scan# 3

Delta R.T. -0.009 min

Lab File: BM041117.D

Acq: 25 Jul 2023 22:03

Instrument :

BNA_P

ClientSampleId :

A4737DL

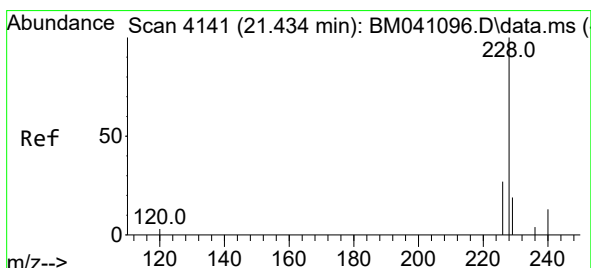
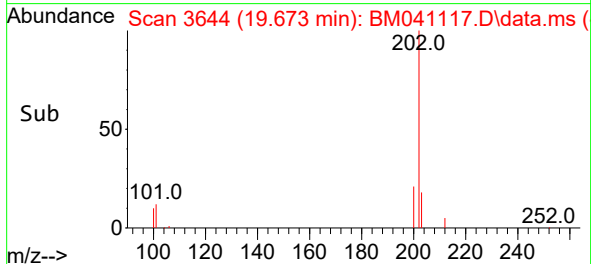
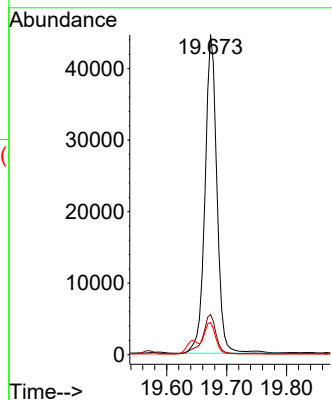
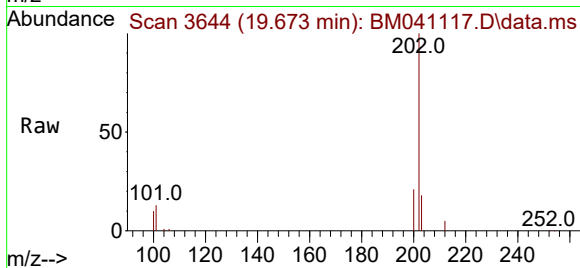
Tgt Ion:202 Resp: 61806

Ion Ratio Lower Upper

202 100

101 12.5 10.7 16.1

100 10.0 8.5 12.7



#21

Benzo(a)anthracene

Concen: 0.590 ng/ul

RT: 21.428 min Scan# 4139

Delta R.T. -0.006 min

Lab File: BM041117.D

Acq: 25 Jul 2023 22:03

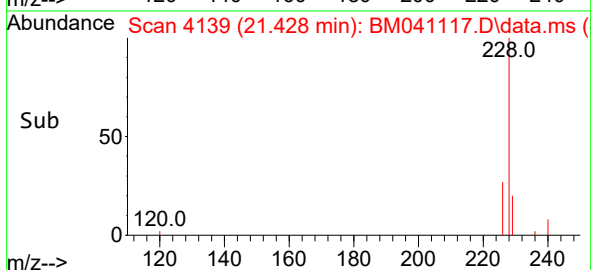
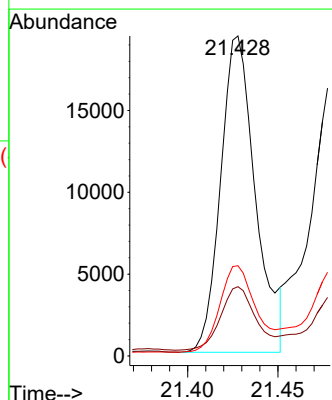
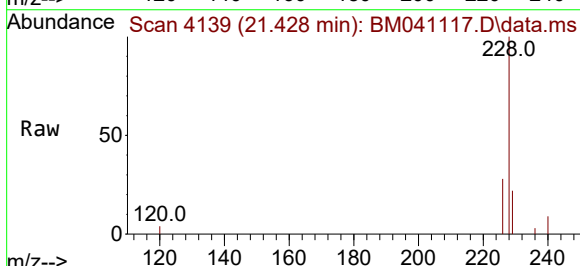
Tgt Ion:228 Resp: 25912

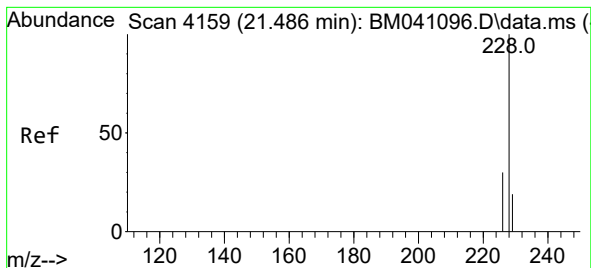
Ion Ratio Lower Upper

228 100

229 21.7 16.5 24.7

226 28.2 22.2 33.2





#22

Chrysene

Concen: 0.492 ng/ul

RT: 21.480 min Scan# 41

Delta R.T. -0.006 min

Lab File: BM041117.D

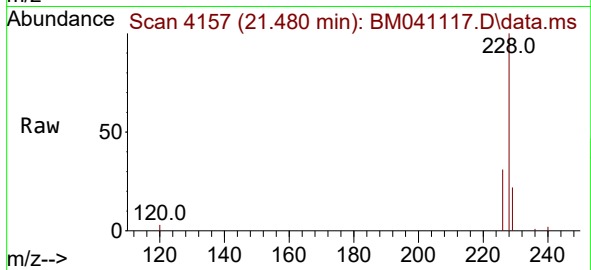
Acq: 25 Jul 2023 22:03

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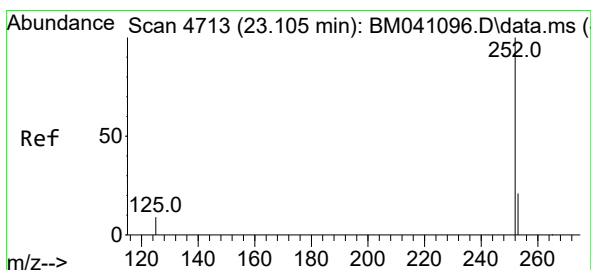
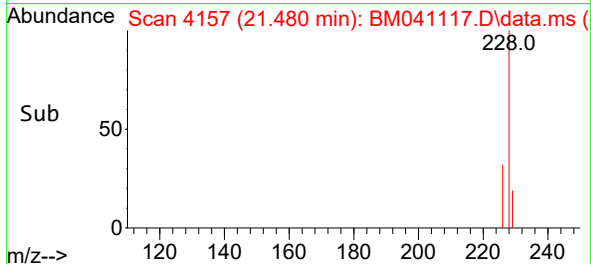
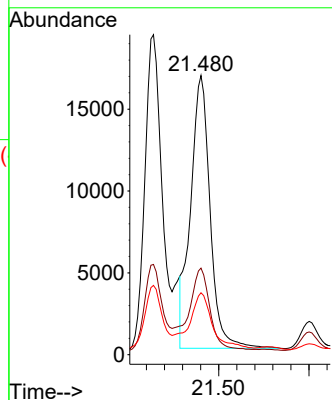
Tgt Ion:228 Resp: 24990

Ion Ratio Lower Upper

228 100

226 31.0 24.2 36.4

229 22.2 15.9 23.9



#24

Benzo(b)fluoranthene

Concen: 0.554 ng/ul

RT: 23.100 min Scan# 4711

Delta R.T. -0.006 min

Lab File: BM041117.D

Acq: 25 Jul 2023 22:03

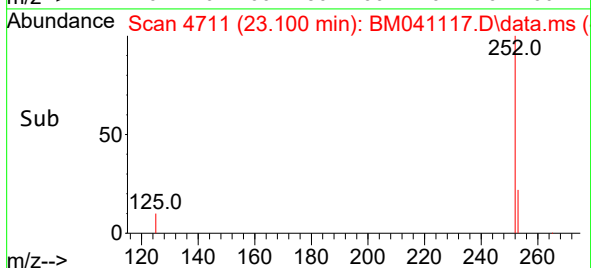
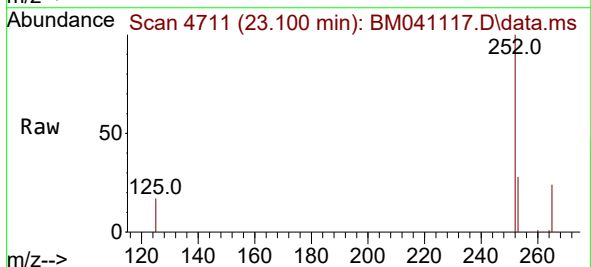
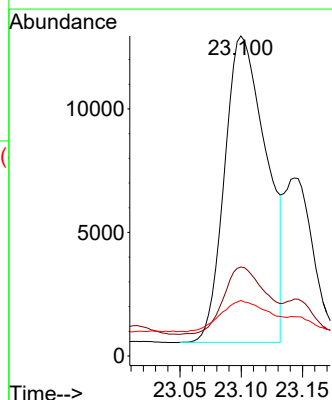
Tgt Ion:252 Resp: 29397

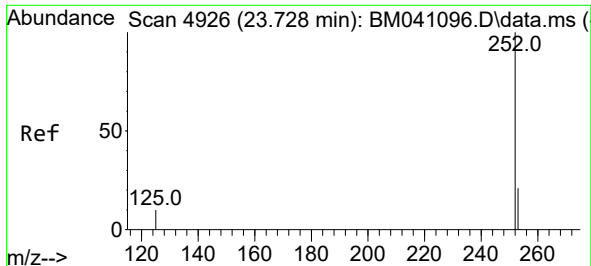
Ion Ratio Lower Upper

252 100

253 27.8 0.0 57.6

125 17.4 0.0 33.6

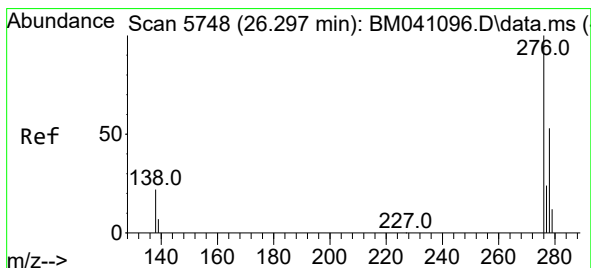
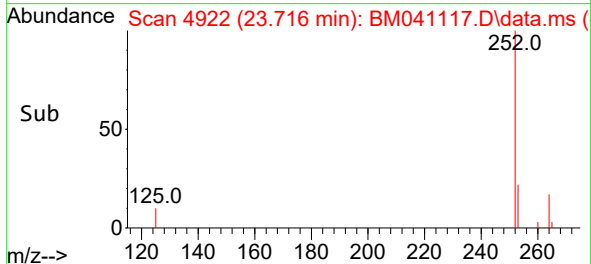
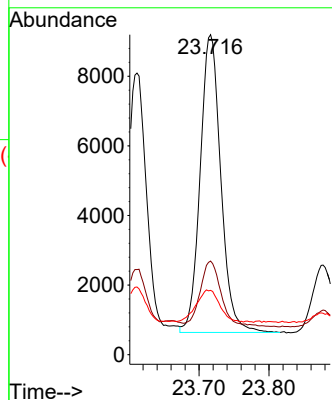
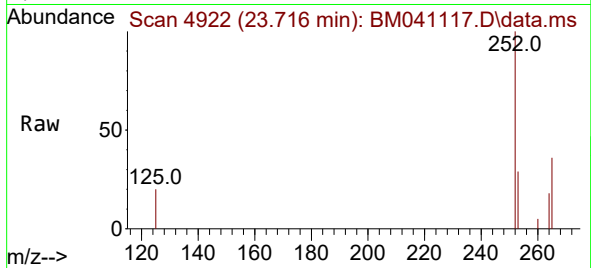




#26
Benzo(a)pyrene
Concen: 0.408 ng/ul
RT: 23.716 min Scan# 4922
Delta R.T. -0.012 min
Lab File: BM041117.D
Acq: 25 Jul 2023 22:03

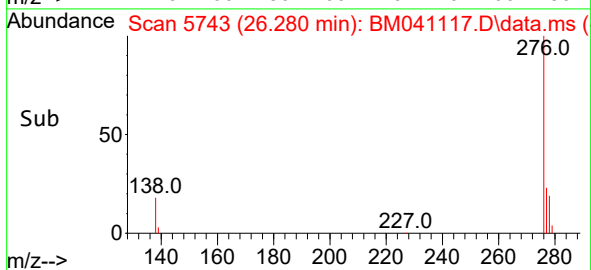
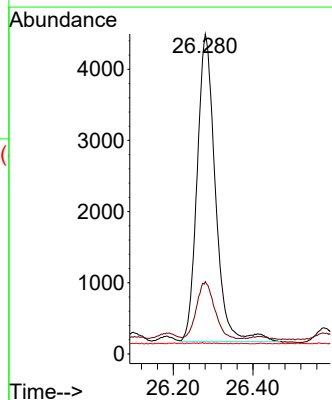
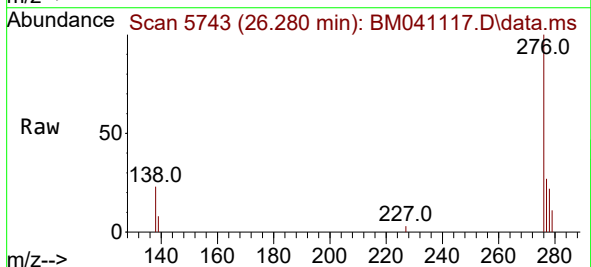
Instrument :
BNA_P
ClientSampleId :
A4737DL

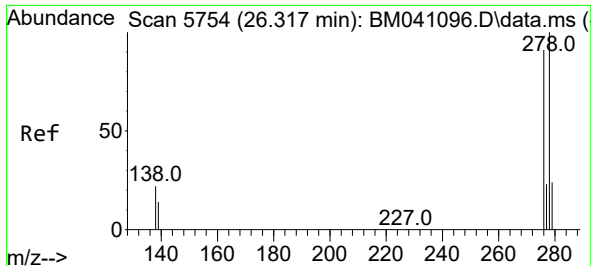
Tgt Ion:252 Resp: 17529
Ion Ratio Lower Upper
252 100
253 29.2 26.7 40.1
125 20.1 18.1 27.1



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.216 ng/ul
RT: 26.280 min Scan# 5743
Delta R.T. -0.017 min
Lab File: BM041117.D
Acq: 25 Jul 2023 22:03

Tgt Ion:276 Resp: 13722
Ion Ratio Lower Upper
276 100
138 18.1 18.1 27.1
227 0.1 0.2 0.2#

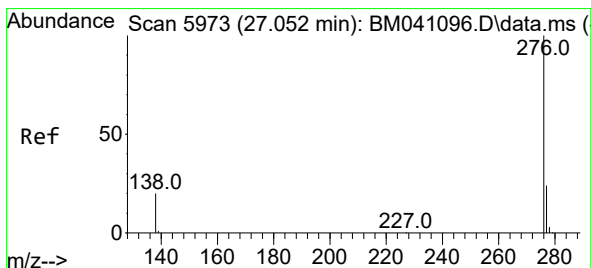
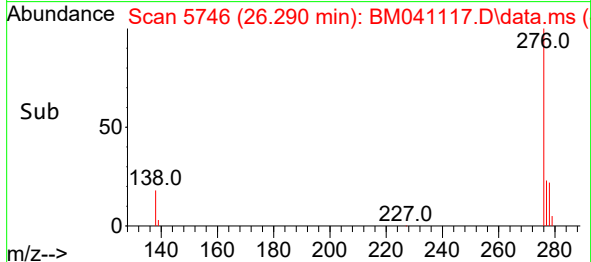
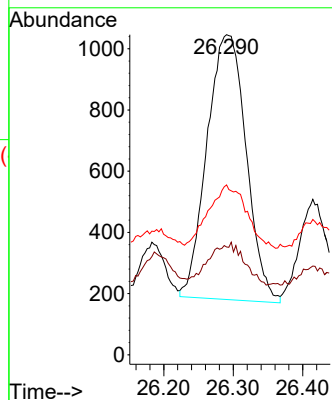
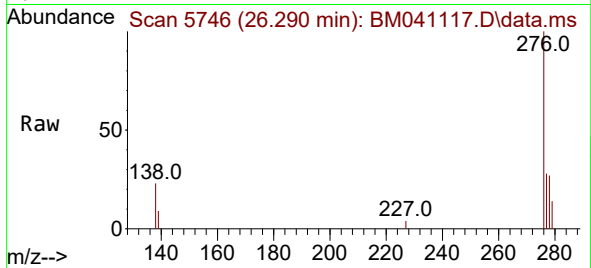




#28
 Dibenzo(a,h)anthracene
 Concen: 0.068 ng/ul
 RT: 26.290 min Scan# 51
 Delta R.T. -0.027 min
 Lab File: BM041117.D
 Acq: 25 Jul 2023 22:03

Instrument :
 BNA_P
 ClientSampleId :
 A4737DL

Tgt Ion:278 Resp: 3390
 Ion Ratio Lower Upper
 278 100
 139 33.7 14.1 21.1#
 279 53.1 25.0 37.4#



#29
 Benzo(g,h,i)perylene
 Concen: 0.209 ng/ul
 RT: 27.038 min Scan# 5969
 Delta R.T. -0.013 min
 Lab File: BM041117.D
 Acq: 25 Jul 2023 22:03

Tgt Ion:276 Resp: 11871
 Ion Ratio Lower Upper
 276 100
 138 24.6 18.2 27.2
 277 27.5 20.6 30.8

