

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041110.D
 Acq On : 25 Jul 2023 17:42
 Operator : MA/JU
 Sample : 03534-21
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4727

Quant Time: Jul 26 04:40:50 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)

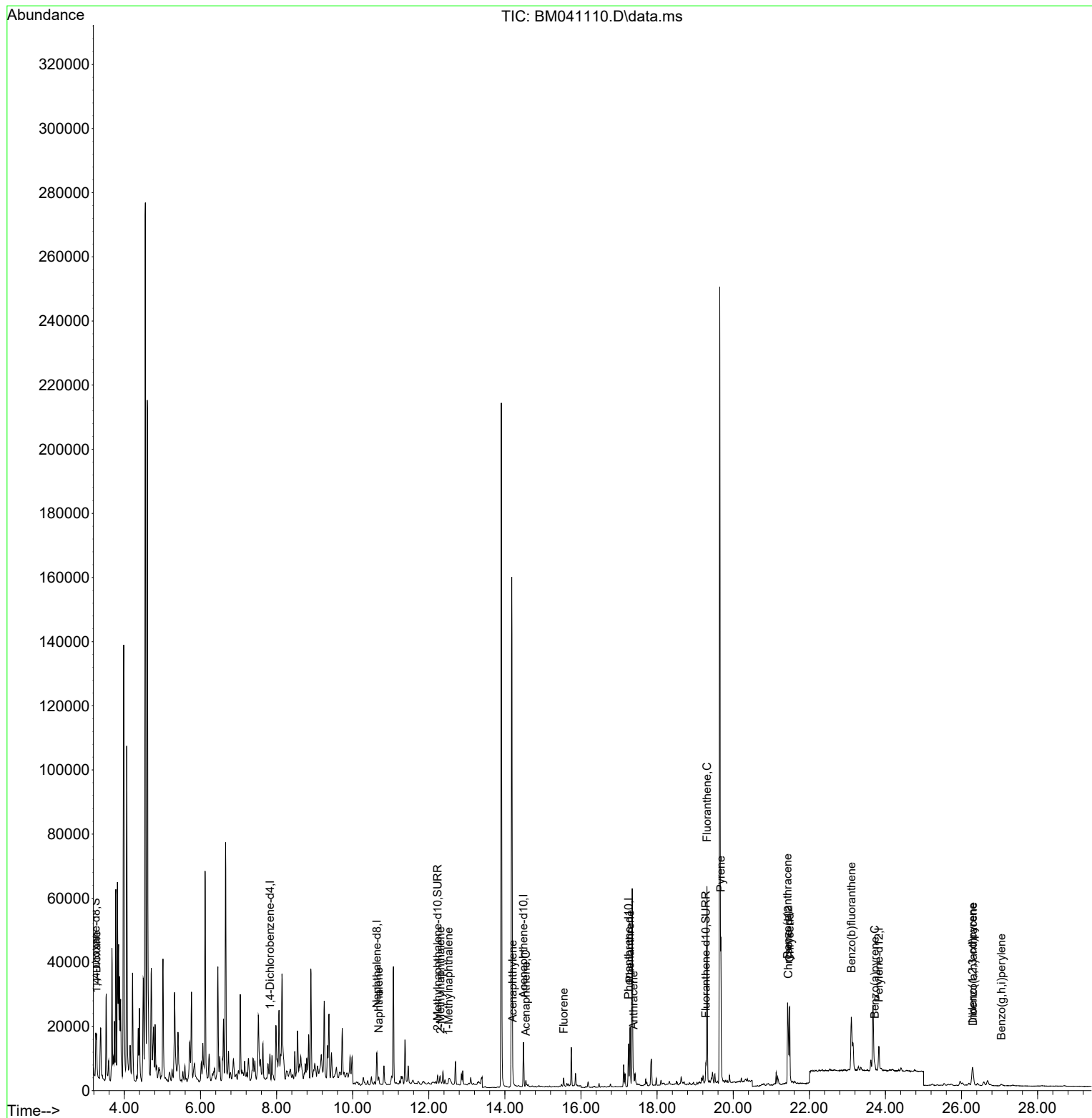
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	4114	0.400	ng/ul	0.00
4) Naphthalene-d8	10.636	136	14190	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.490	164	7554	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.248	188	16139	0.400	ng/ul	0.00
17) Chrysene-d12	21.445	240	12293	0.400	ng/ul	0.00
23) Perylene-d12	23.830	264	10411	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.250	96	7806	1.230	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.231	152	3973	0.196	ng/ul	0.00
18) Fluoranthene-d10	19.283	212	7258	0.217	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.271	88	1884	0.291	ng/ul#	1
5) Naphthalene	10.686	128	3280	0.071	ng/ul#	89
7) 2-Methylnaphthalene	12.308	142	998	0.044	ng/ul	91
8) 1-Methylnaphthalene	12.522	142	785	0.034	ng/ul	94
10) Acenaphthylene	14.208	152	2053	0.064	ng/ul#	79
11) Acenaphthene	14.550	153	1873	0.070	ng/ul	96
12) Fluorene	15.545	166	1619	0.055	ng/ul#	94
15) Phenanthrene	17.291	178	19860	0.399	ng/ul	99
16) Anthracene	17.383	178	2034	0.051	ng/ul#	81
19) Fluoranthene	19.310	202	51787	1.175	ng/ul	99
20) Pyrene	19.673	202	36074	0.743	ng/ul	99
21) Benzo(a)anthracene	21.431	228	19816	0.482	ng/ul	96
22) Chrysene	21.483	228	23898	0.503	ng/ul	97
24) Benzo(b)fluoranthene	23.105	252	29443	0.710	ng/ul	97
26) Benzo(a)pyrene	23.722	252	2348	0.070	ng/ul#	13
27) Indeno(1,2,3-cd)pyrene	26.287	276	9899	0.199	ng/ul#	93
28) Dibenzo(a,h)anthracene	26.304	278	3653	0.094	ng/ul#	58
29) Benzo(g,h,i)perylene	27.048	276	1086	0.024	ng/ul#	26

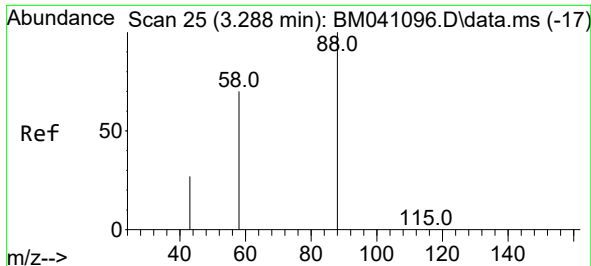
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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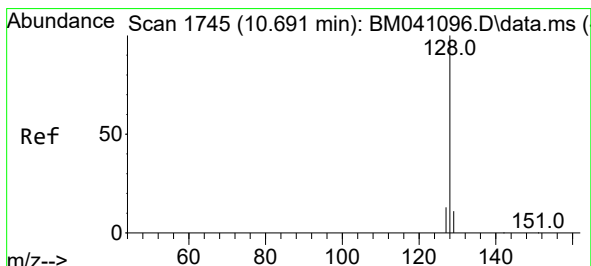
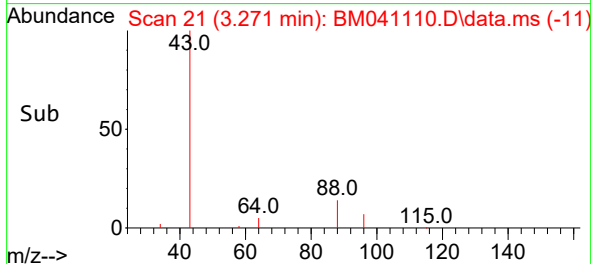
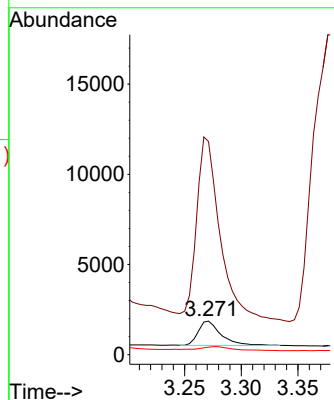
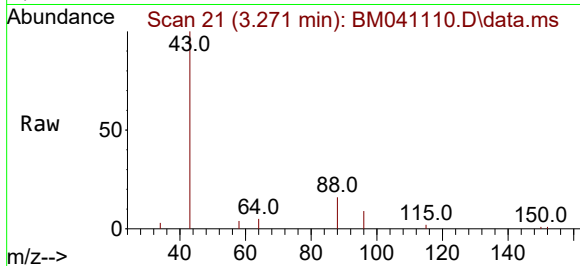




#2
1,4-Dioxane
Concen: 0.291 ng/ul
RT: 3.271 min Scan# 21
Delta R.T. -0.017 min
Lab File: BM041110.D
Acq: 25 Jul 2023 17:42

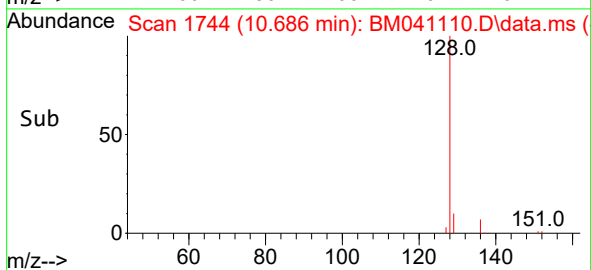
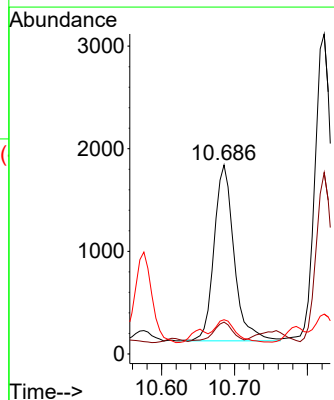
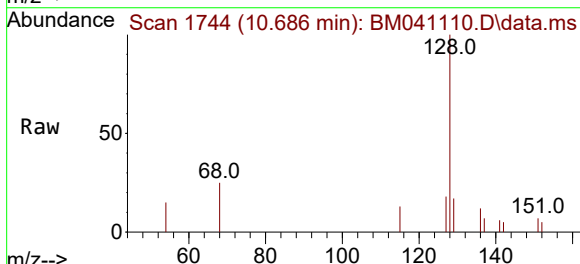
Instrument :
BNA_P
ClientSampleId :
A4727

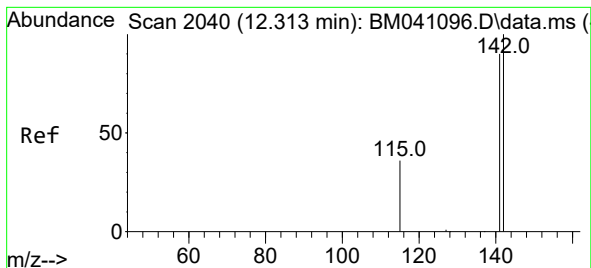
Tgt Ion: 88 Resp: 1884
Ion Ratio Lower Upper
88 100
43 633.8 83.1 124.7#
58 22.6 38.8 58.2#



#5
Naphthalene
Concen: 0.071 ng/ul
RT: 10.686 min Scan# 1744
Delta R.T. -0.006 min
Lab File: BM041110.D
Acq: 25 Jul 2023 17:42

Tgt Ion: 128 Resp: 3280
Ion Ratio Lower Upper
128 100
129 16.8 9.8 14.8#
127 18.1 11.1 16.7#

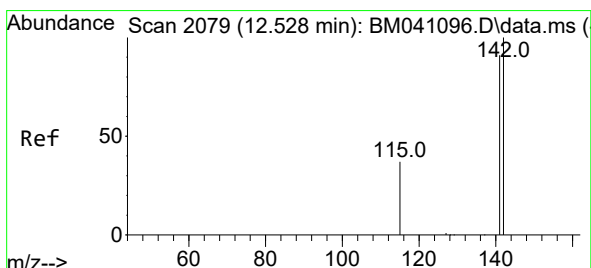
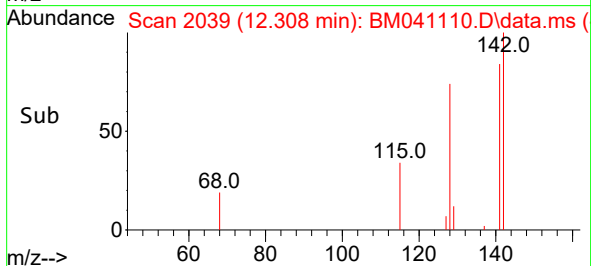
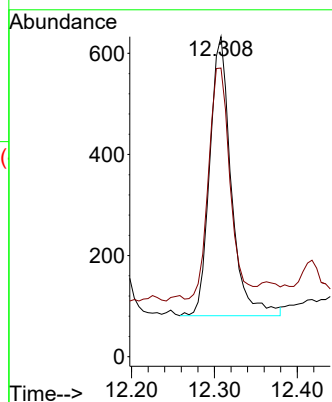
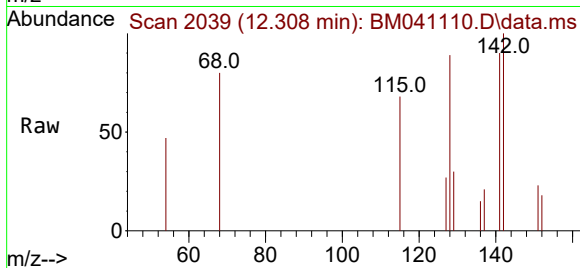




#7
2-Methylnaphthalene
Concen: 0.044 ng/ul
RT: 12.308 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BM041110.D
Acq: 25 Jul 2023 17:42

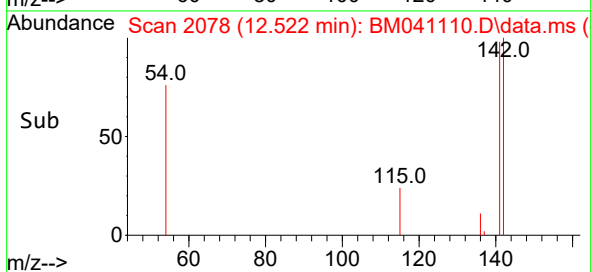
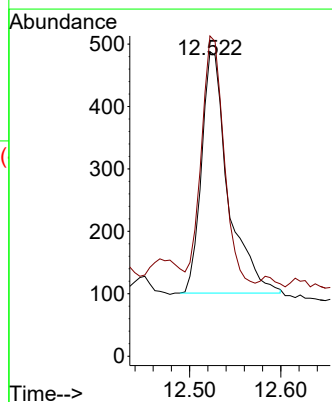
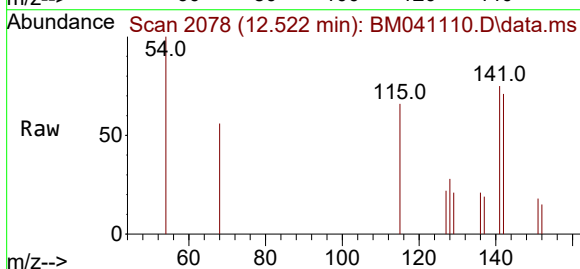
Instrument :
BNA_P
ClientSampleId :
A4727

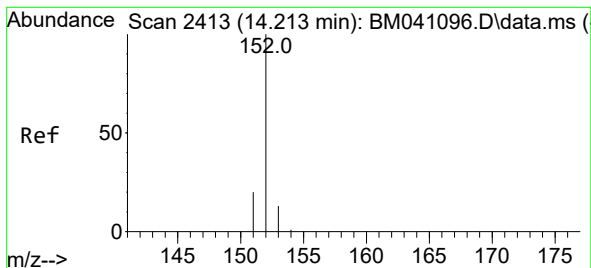
Tgt Ion:142 Resp: 998
Ion Ratio Lower Upper
142 100
141 83.3 73.3 109.9



#8
1-Methylnaphthalene
Concen: 0.034 ng/ul
RT: 12.522 min Scan# 2078
Delta R.T. -0.006 min
Lab File: BM041110.D
Acq: 25 Jul 2023 17:42

Tgt Ion:142 Resp: 785
Ion Ratio Lower Upper
142 100
141 86.1 73.6 110.4





#10

Acenaphthylene

Concen: 0.064 ng/ul

RT: 14.208 min Scan# 2412

Delta R.T. -0.005 min

Lab File: BM041110.D

Acq: 25 Jul 2023 17:42

Instrument :

BNA_P

ClientSampleId :

A4727

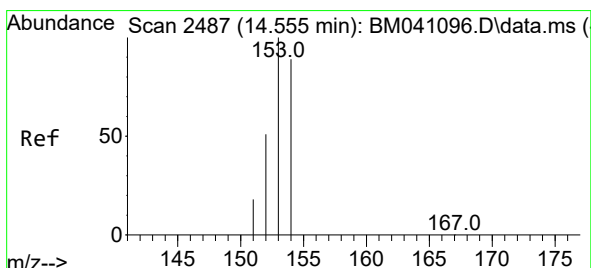
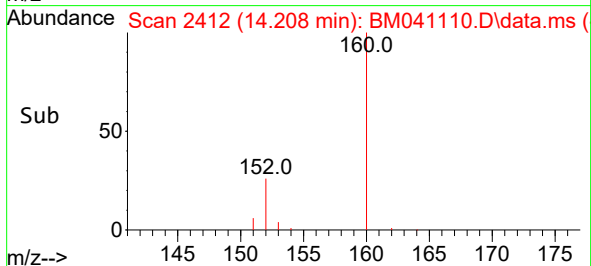
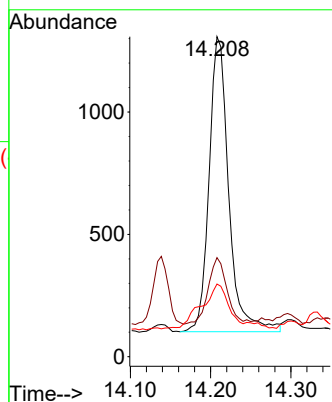
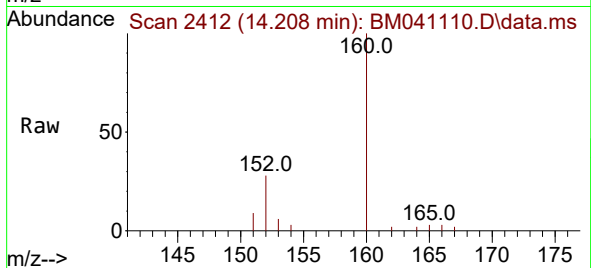
Tgt Ion:152 Resp: 2053

Ion Ratio Lower Upper

152 100

151 31.0 16.8 25.2#

153 22.7 11.4 17.2#



#11

Acenaphthene

Concen: 0.070 ng/ul

RT: 14.550 min Scan# 2486

Delta R.T. -0.005 min

Lab File: BM041110.D

Acq: 25 Jul 2023 17:42

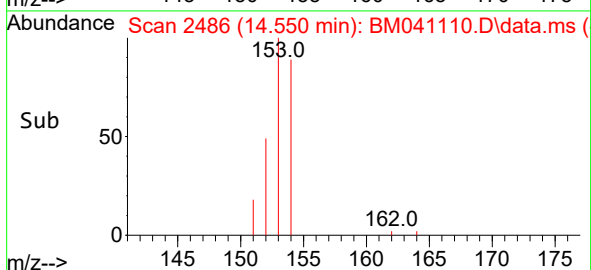
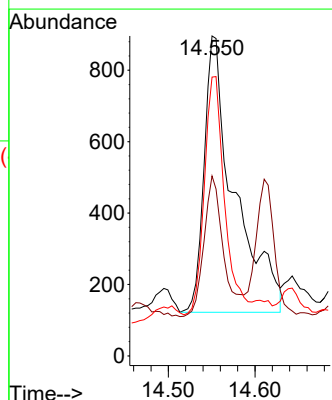
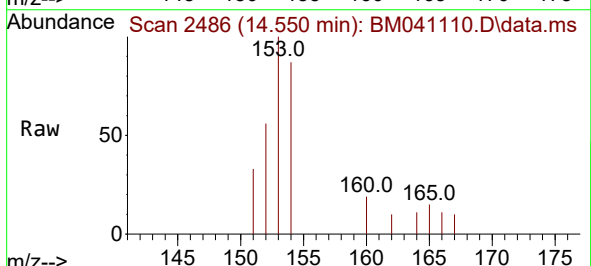
Tgt Ion:153 Resp: 1873

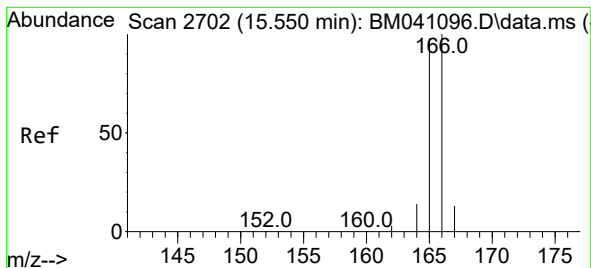
Ion Ratio Lower Upper

153 100

152 56.3 40.2 60.4

154 87.2 70.3 105.5





#12

Fluorene

Concen: 0.055 ng/ul

RT: 15.545 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM041110.D

Acq: 25 Jul 2023 17:42

Instrument :

BNA_P

ClientSampleId :

A4727

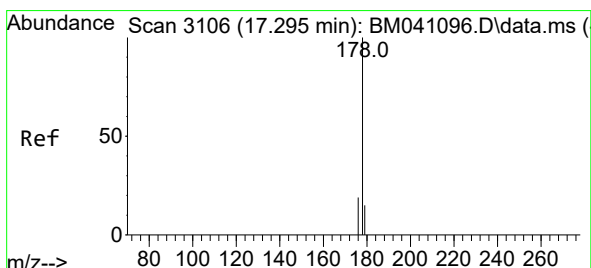
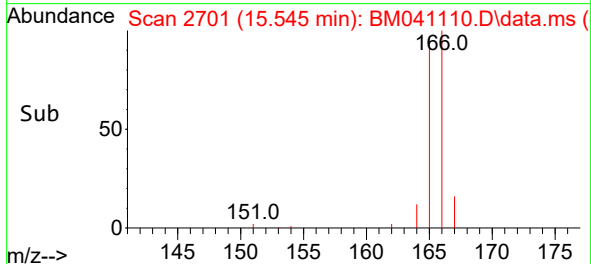
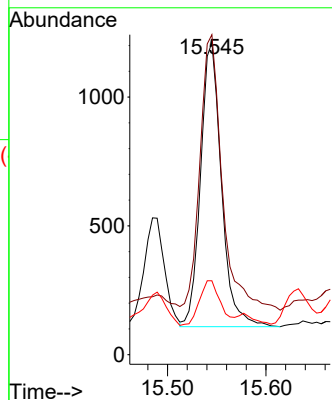
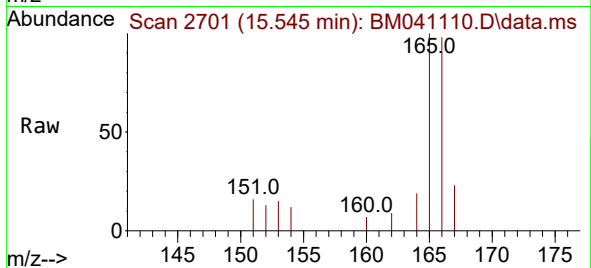
Tgt Ion:166 Resp: 1619

Ion Ratio Lower Upper

166 100

165 102.5 79.4 119.0

167 23.7 11.4 17.2#



#15

Phenanthrene

Concen: 0.399 ng/ul

RT: 17.291 min Scan# 3105

Delta R.T. -0.004 min

Lab File: BM041110.D

Acq: 25 Jul 2023 17:42

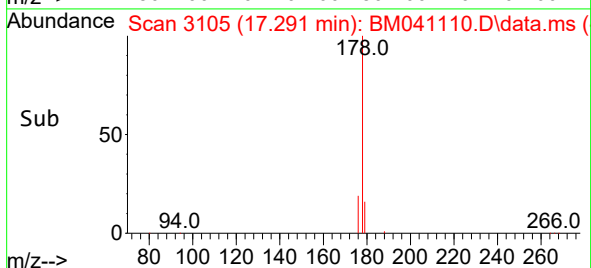
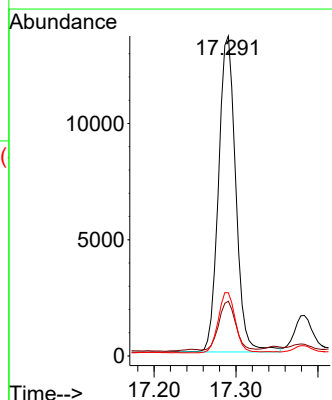
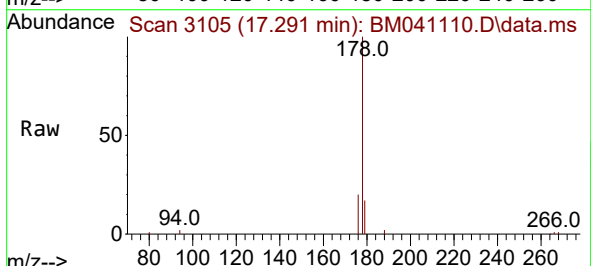
Tgt Ion:178 Resp: 19860

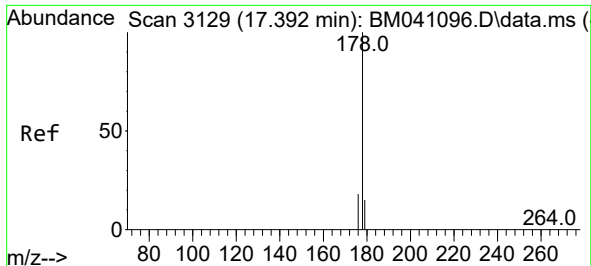
Ion Ratio Lower Upper

178 100

179 17.1 13.4 20.2

176 19.8 16.0 24.0

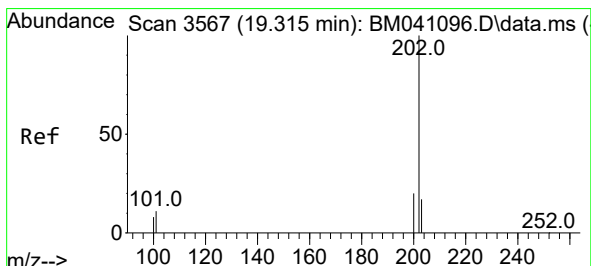
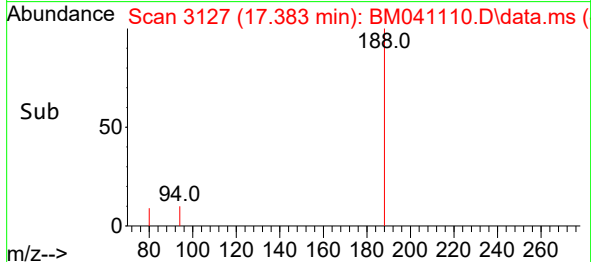
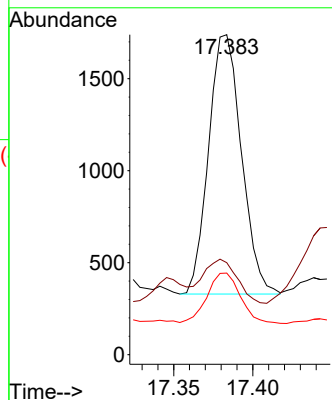
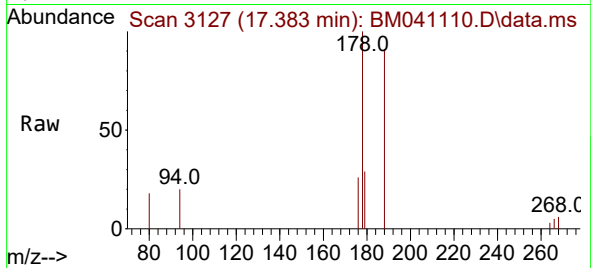




#16
 Anthracene
 Concen: 0.051 ng/ul
 RT: 17.383 min Scan# 3127
 Delta R.T. -0.009 min
 Lab File: BM041110.D
 Acq: 25 Jul 2023 17:42

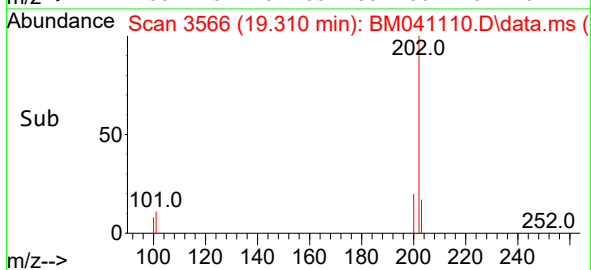
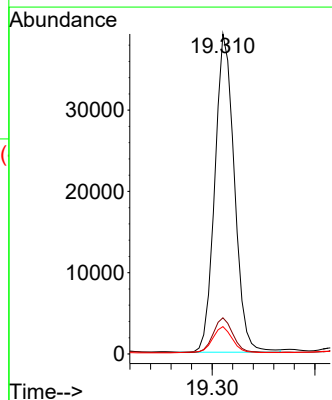
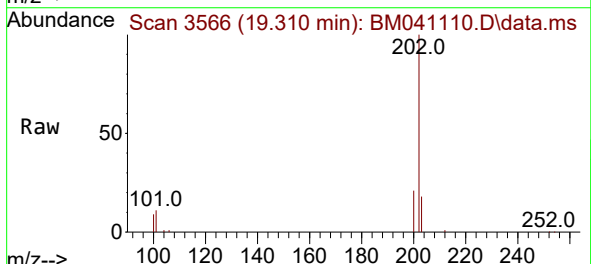
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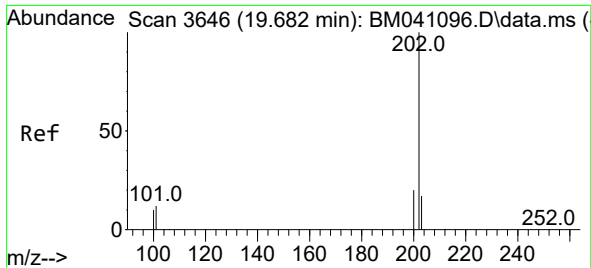
Tgt Ion:178 Resp: 2034
 Ion Ratio Lower Upper
 178 100
 179 28.8 13.6 20.4#
 176 25.5 16.0 24.0#



#19
 Fluoranthene
 Concen: 1.175 ng/ul
 RT: 19.310 min Scan# 3566
 Delta R.T. -0.005 min
 Lab File: BM041110.D
 Acq: 25 Jul 2023 17:42

Tgt Ion:202 Resp: 51787
 Ion Ratio Lower Upper
 202 100
 101 11.3 9.4 14.0
 100 8.5 7.1 10.7

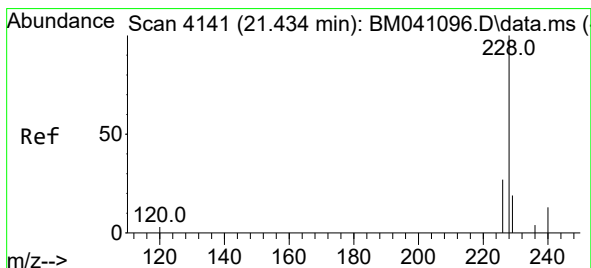
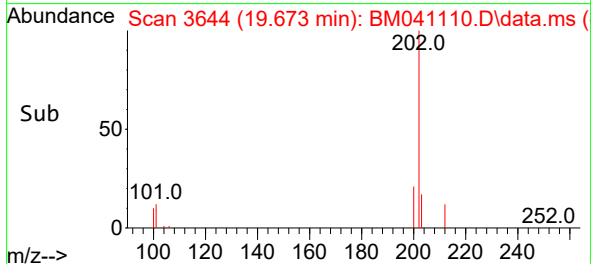
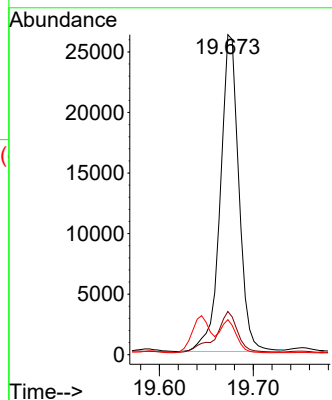
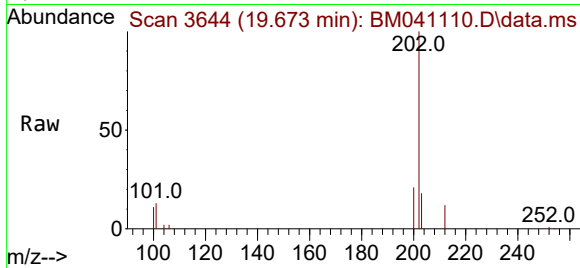




#20
 Pyrene
 Concen: 0.743 ng/ul
 RT: 19.673 min Scan# 3644
 Delta R.T. -0.009 min
 Lab File: BM041110.D
 Acq: 25 Jul 2023 17:42

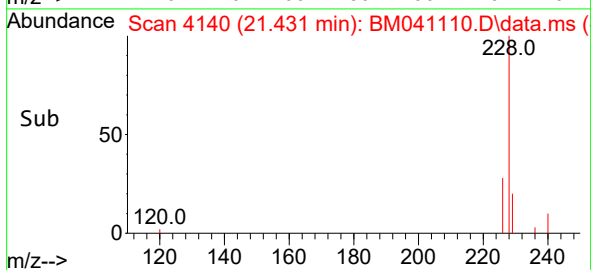
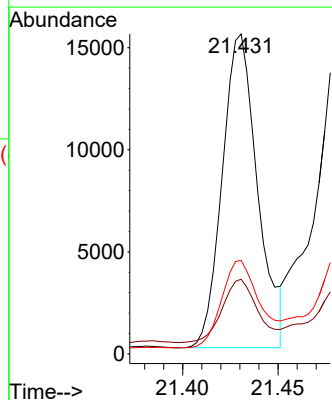
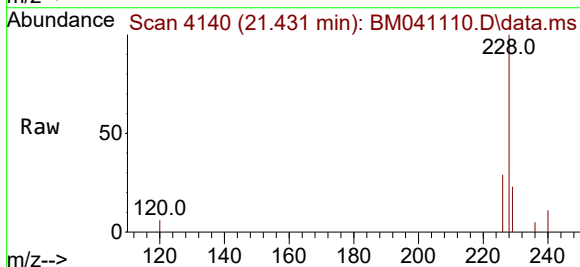
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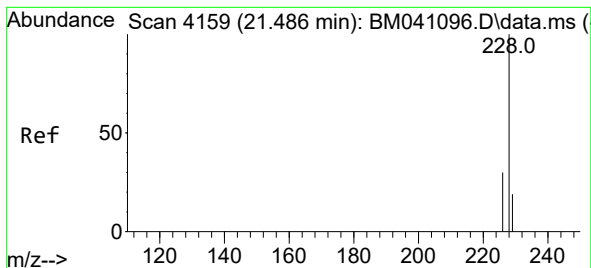
Tgt Ion:202 Resp: 36074
 Ion Ratio Lower Upper
 202 100
 101 13.5 10.7 16.1
 100 11.0 8.5 12.7



#21
 Benzo(a)anthracene
 Concen: 0.482 ng/ul
 RT: 21.431 min Scan# 4140
 Delta R.T. -0.003 min
 Lab File: BM041110.D
 Acq: 25 Jul 2023 17:42

Tgt Ion:228 Resp: 19816
 Ion Ratio Lower Upper
 228 100
 229 23.3 16.5 24.7
 226 29.2 22.2 33.2





#22

Chrysene

Concen: 0.503 ng/ul

RT: 21.483 min Scan# 4158

Delta R.T. -0.003 min

Lab File: BM041110.D

Acq: 25 Jul 2023 17:42

Instrument :

BNA_P

ClientSampleId :

A4727

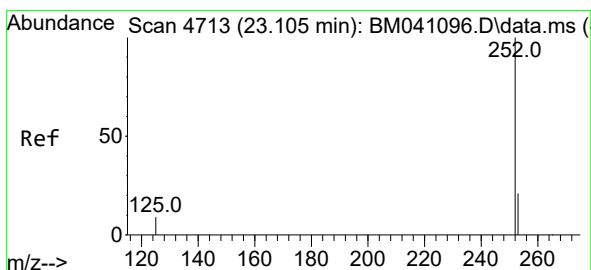
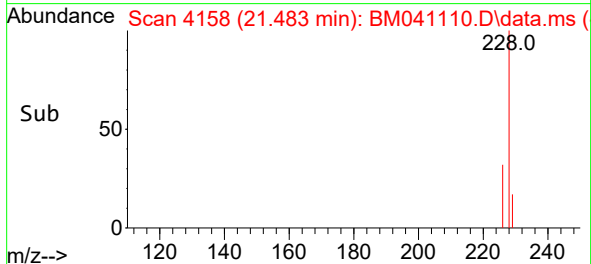
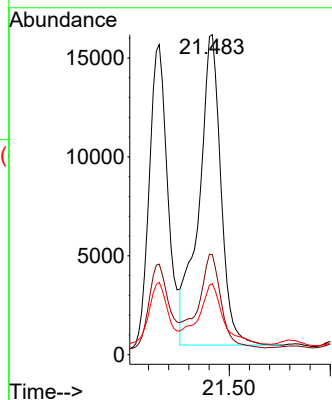
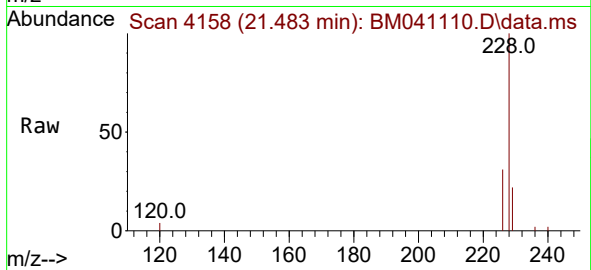
Tgt Ion:228 Resp: 23898

Ion Ratio Lower Upper

228 100

226 31.3 24.2 36.4

229 22.2 15.9 23.9



#24

Benzo(b)fluoranthene

Concen: 0.710 ng/ul

RT: 23.105 min Scan# 4713

Delta R.T. -0.000 min

Lab File: BM041110.D

Acq: 25 Jul 2023 17:42

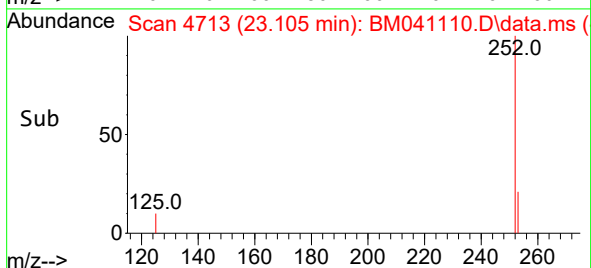
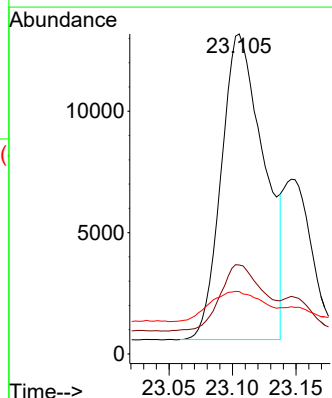
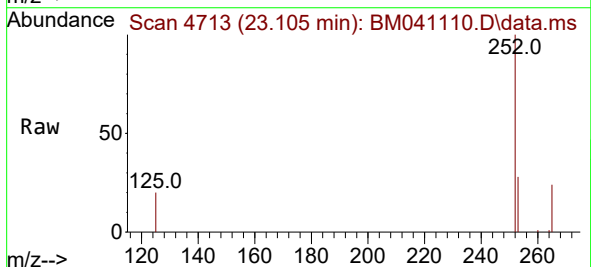
Tgt Ion:252 Resp: 29443

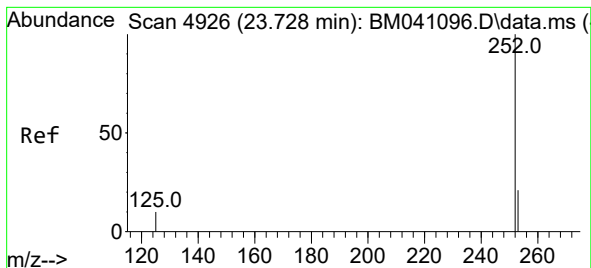
Ion Ratio Lower Upper

252 100

253 27.8 0.0 57.6

125 19.5 0.0 33.6





#26

Benzo(a)pyrene

Concen: 0.070 ng/ul

RT: 23.722 min Scan# 4926

Delta R.T. -0.006 min

Lab File: BM041110.D

Acq: 25 Jul 2023 17:42

Instrument :

BNA_P

ClientSampleId :

A4727

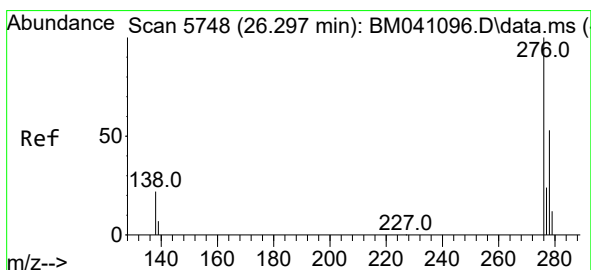
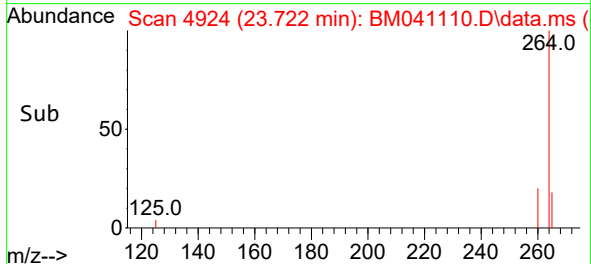
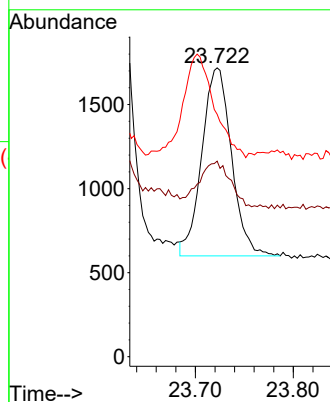
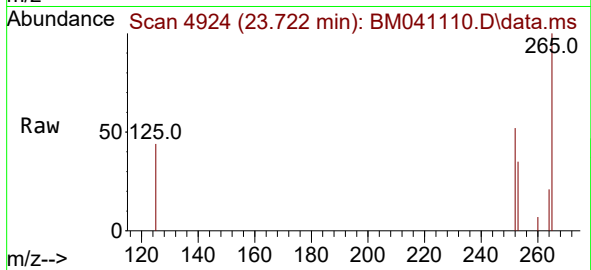
Tgt Ion:252 Resp: 2348

Ion Ratio Lower Upper

252 100

253 67.7 26.7 40.1#

125 83.9 18.1 27.1#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.199 ng/ul

RT: 26.287 min Scan# 5745

Delta R.T. -0.010 min

Lab File: BM041110.D

Acq: 25 Jul 2023 17:42

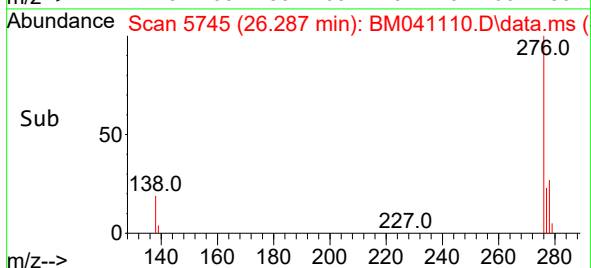
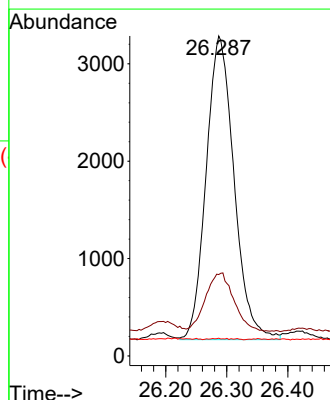
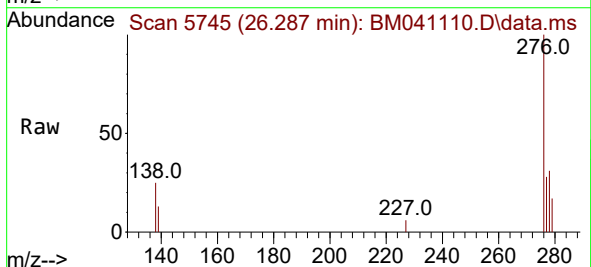
Tgt Ion:276 Resp: 9899

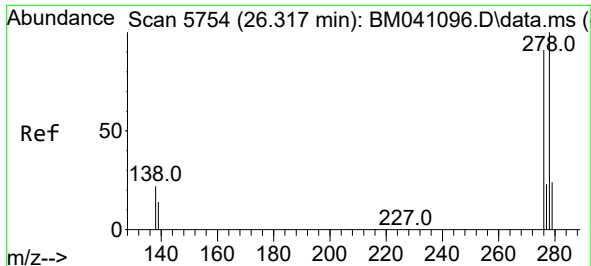
Ion Ratio Lower Upper

276 100

138 19.4 18.1 27.1

227 0.3 0.2 0.2#

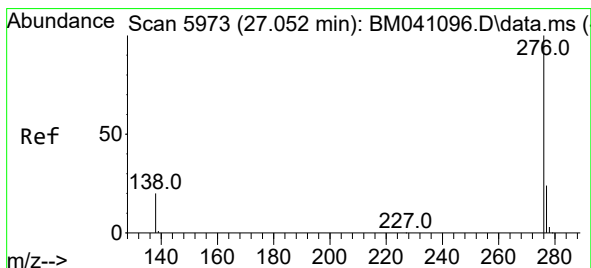
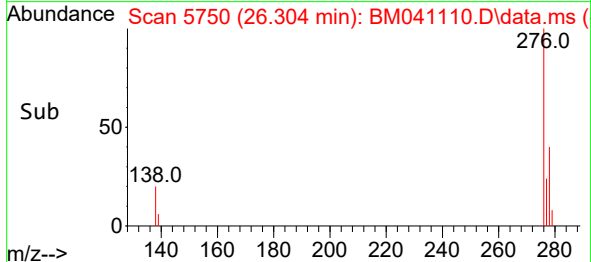
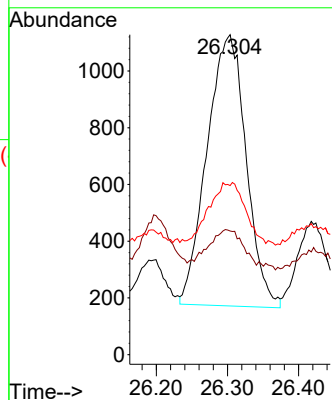
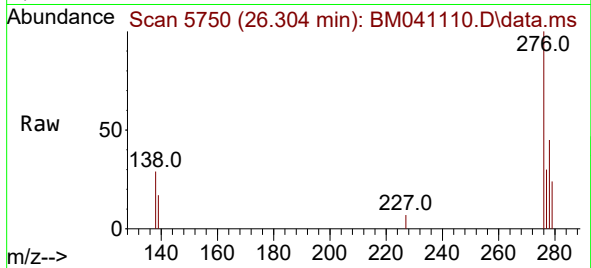




#28
Dibenzo(a,h)anthracene
Concen: 0.094 ng/ul
RT: 26.304 min Scan# 51
Delta R.T. -0.014 min
Lab File: BM041110.D
Acq: 25 Jul 2023 17:42

Instrument :
BNA_P
ClientSampleId :
A4727

Tgt Ion:278 Resp: 3653
Ion Ratio Lower Upper
278 100
139 38.7 14.1 21.1#
279 52.8 25.0 37.4#



#29
Benzo(g,h,i)perylene
Concen: 0.024 ng/ul
RT: 27.048 min Scan# 5972
Delta R.T. -0.004 min
Lab File: BM041110.D
Acq: 25 Jul 2023 17:42

Tgt Ion:276 Resp: 1086
Ion Ratio Lower Upper
276 100
138 62.5 18.2 27.2#
277 59.6 20.6 30.8#

