

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041086.D
 Acq On : 24 Jul 2023 21:57
 Operator : MA/JU
 Sample : 03534-15
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4729

Quant Time: Jul 25 00:31:10 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 : Tue Jul 25 00:13:11 2023
 Response via : Initial Calibration

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

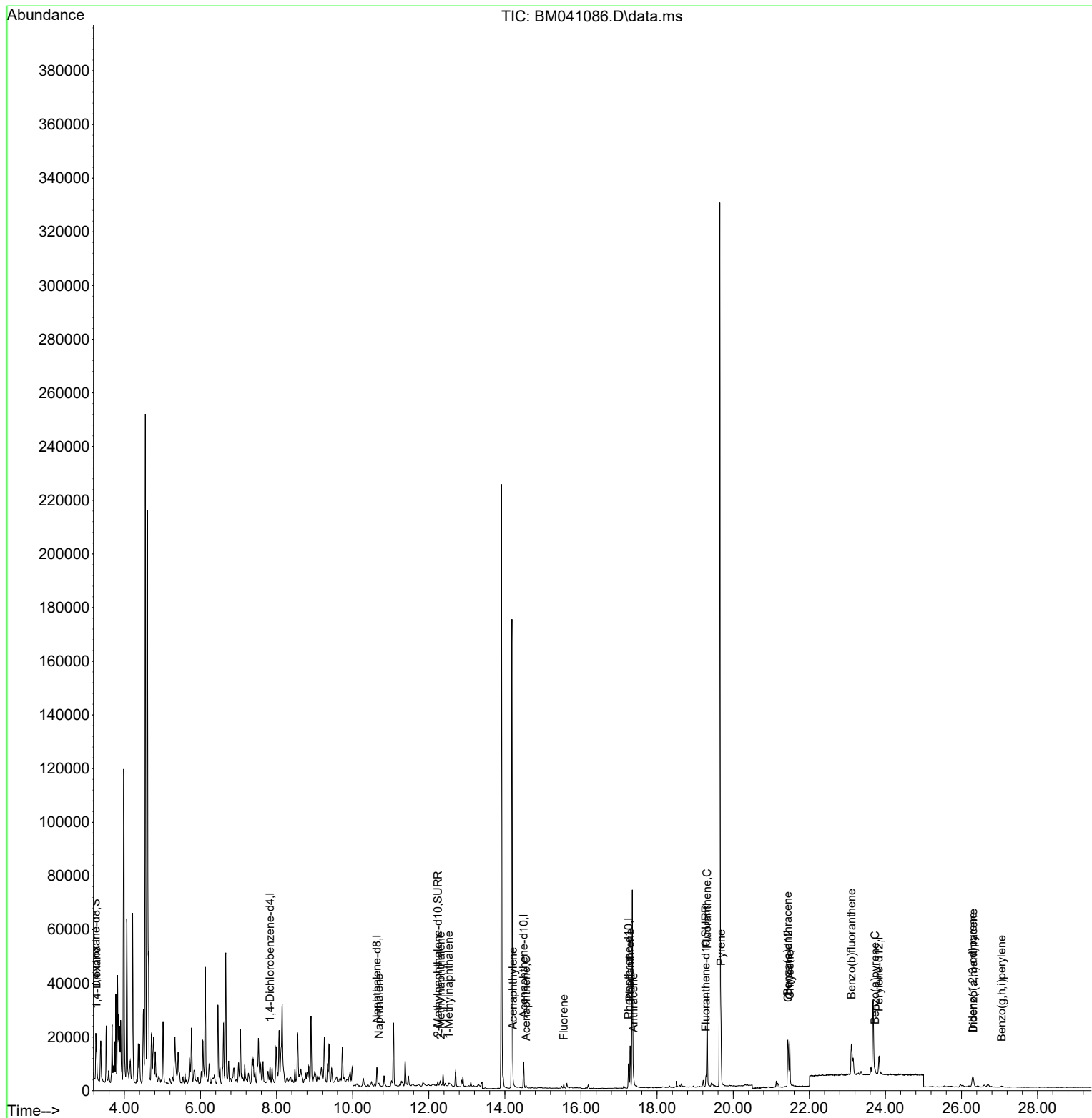
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	3237	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.636	136	10400	0.400	ng/ul	#-0.01
9) Acenaphthene-d10	14.495	164	5298	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.253	188	11122	0.400	ng/ul	0.00
17) Chrysene-d12	21.448	240	10287	0.400	ng/ul	0.00
23) Perylene-d12	23.831	264	9101	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.250	96	10006	2.004	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.236	152	2049	0.138	ng/ul	-0.01
18) Fluoranthene-d10	19.283	212	4431	0.158	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.271	88	1297	0.254	ng/ul#	1
5) Naphthalene	10.691	128	1754	0.052	ng/ul#	82
7) 2-Methylnaphthalene	12.313	142	412	0.025	ng/ul	94
8) 1-Methylnaphthalene	12.528	142	387	0.023	ng/ul	96
10) Acenaphthylene	14.213	152	1088	0.049	ng/ul#	73
11) Acenaphthene	14.555	153	927	0.049	ng/ul#	91
12) Fluorene	15.545	166	817	0.040	ng/ul#	92
15) Phenanthrene	17.291	178	16557	0.483	ng/ul	99
16) Anthracene	17.384	178	1699	0.061	ng/ul#	73
19) Fluoranthene	19.315	202	30650	0.831	ng/ul	99
20) Pyrene	19.678	202	21636	0.532	ng/ul	99
21) Benzo(a)anthracene	21.434	228	13307	0.387	ng/ul	97
22) Chrysene	21.483	228	16342	0.411	ng/ul	97
24) Benzo(b)fluoranthene	23.108	252	20743	0.572	ng/ul	96
26) Benzo(a)pyrene	23.725	252	1597	0.054	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	26.294	276	7086	0.163	ng/ul#	93
28) Dibenzo(a,h)anthracene	26.307	278	2579	0.076	ng/ul#	49
29) Benzo(g,h,i)perylene	27.055	276	887	0.023	ng/ul#	26

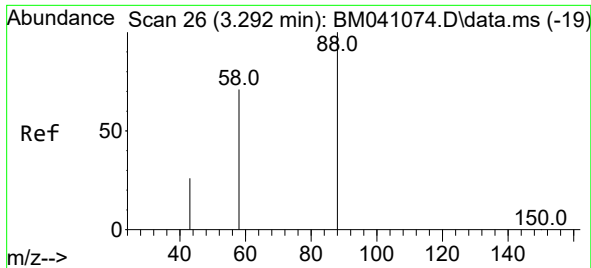
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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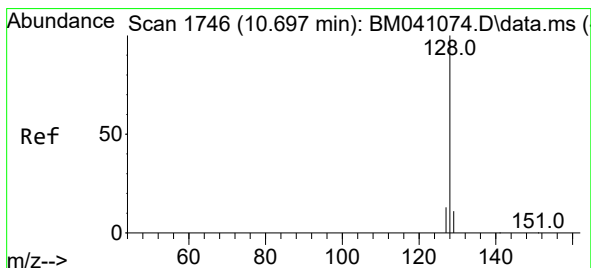
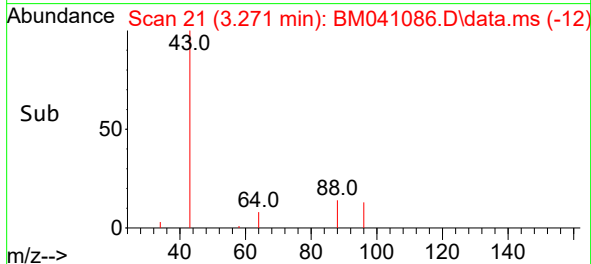
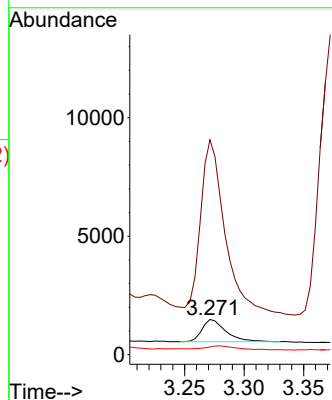
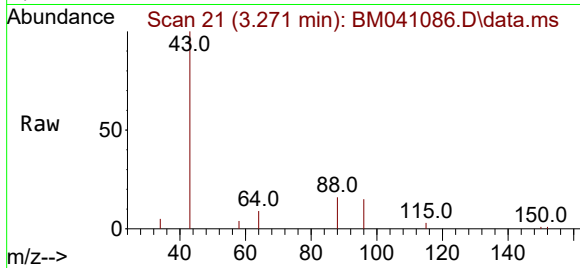




#2
1,4-Dioxane
Concen: 0.254 ng/ul
RT: 3.271 min Scan# 21
Delta R.T. -0.021 min
Lab File: BM041086.D
Acq: 24 Jul 2023 21:57

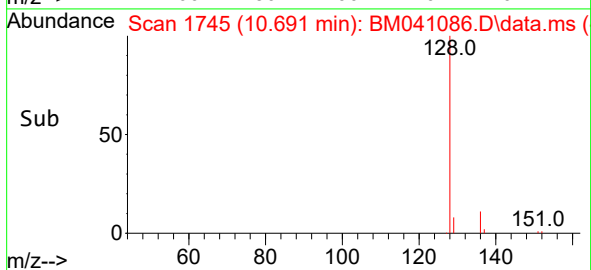
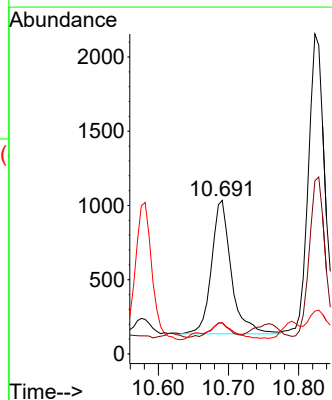
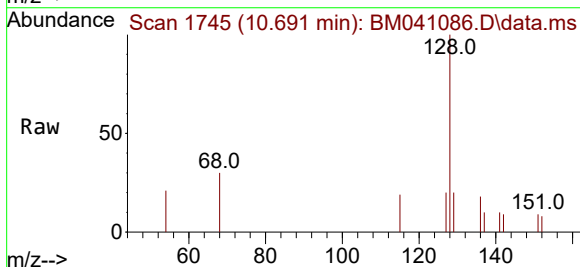
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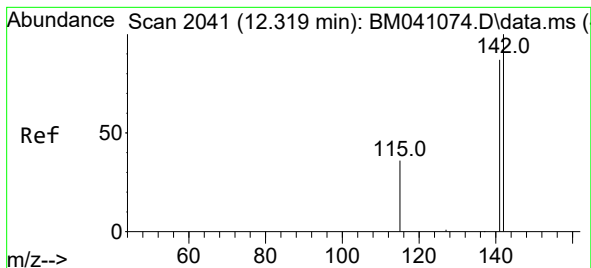
Tgt Ion: 88 Resp: 1297
Ion Ratio Lower Upper
88 100
43 609.4 83.1 124.7#
58 21.8 38.8 58.2#



#5
Naphthalene
Concen: 0.052 ng/ul
RT: 10.691 min Scan# 1745
Delta R.T. -0.005 min
Lab File: BM041086.D
Acq: 24 Jul 2023 21:57

Tgt Ion: 128 Resp: 1754
Ion Ratio Lower Upper
128 100
129 20.2 9.8 14.8#
127 20.4 11.1 16.7#

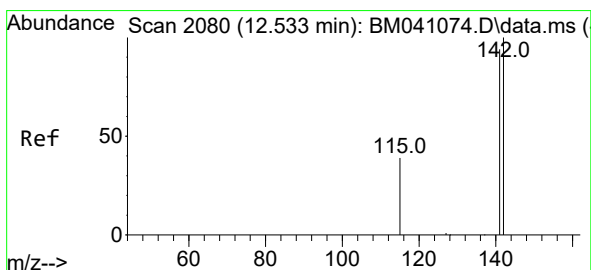
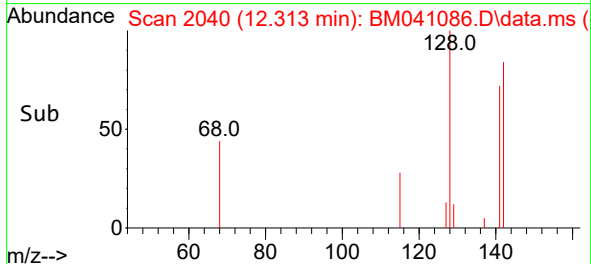
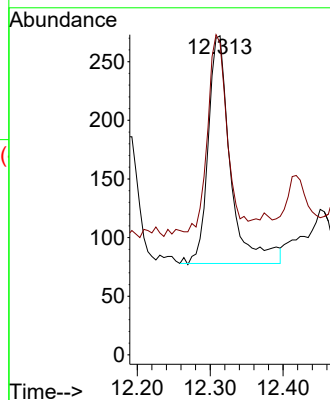
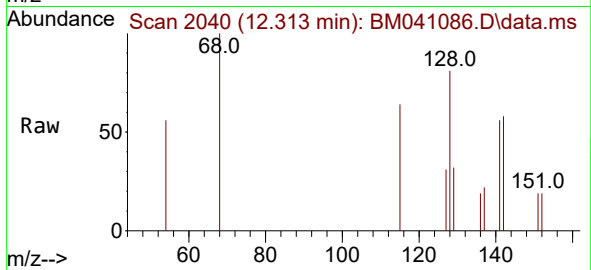




#7
2-Methylnaphthalene
Concen: 0.025 ng/ul
RT: 12.313 min Scan# 2040
Delta R.T. -0.005 min
Lab File: BM041086.D
Acq: 24 Jul 2023 21:57

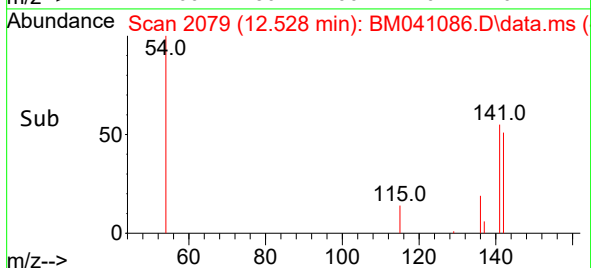
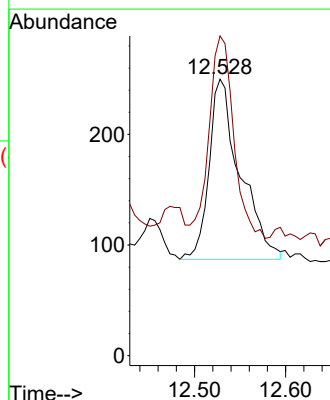
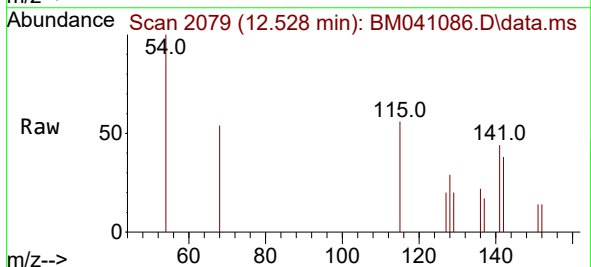
Instrument :
BNA_M
ClientSampleId :
A4729

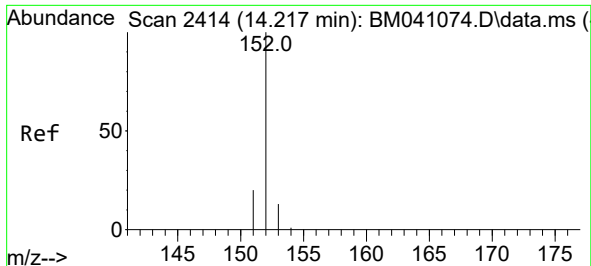
Tgt Ion:142 Resp: 412
Ion Ratio Lower Upper
142 100
141 85.4 73.3 109.9



#8
1-Methylnaphthalene
Concen: 0.023 ng/ul
RT: 12.528 min Scan# 2079
Delta R.T. -0.005 min
Lab File: BM041086.D
Acq: 24 Jul 2023 21:57

Tgt Ion:142 Resp: 387
Ion Ratio Lower Upper
142 100
141 88.4 73.6 110.4

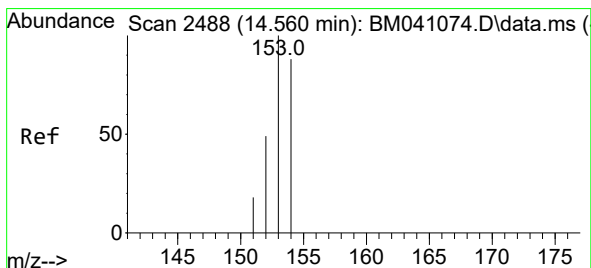
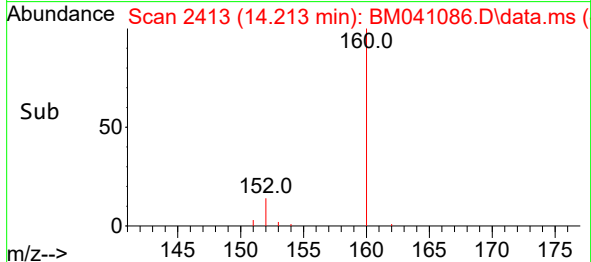
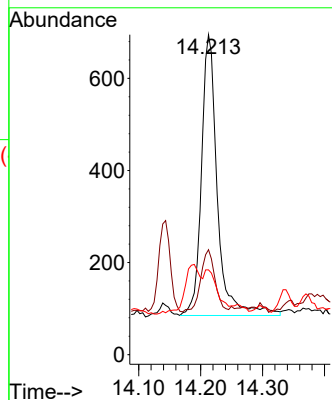
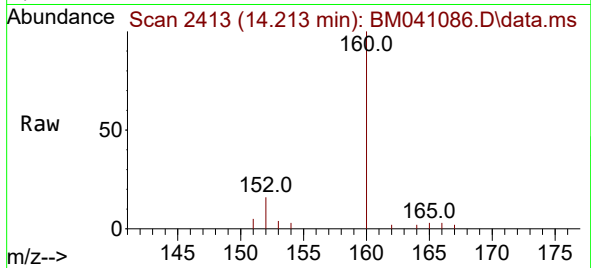




#10
Acenaphthylene
Concen: 0.049 ng/ul
RT: 14.213 min Scan# 2413
Delta R.T. -0.004 min
Lab File: BM041086.D
Acq: 24 Jul 2023 21:57

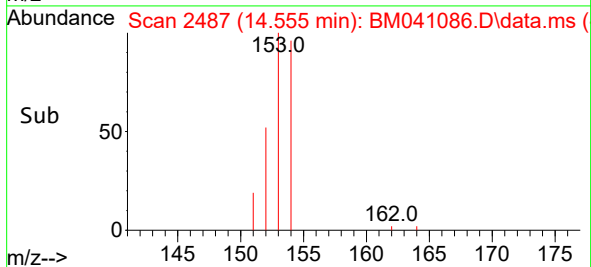
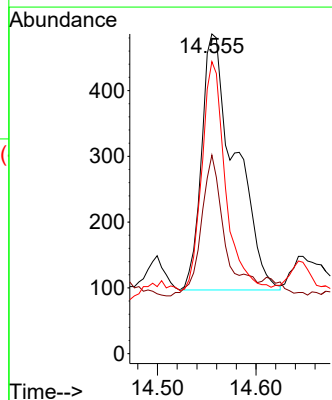
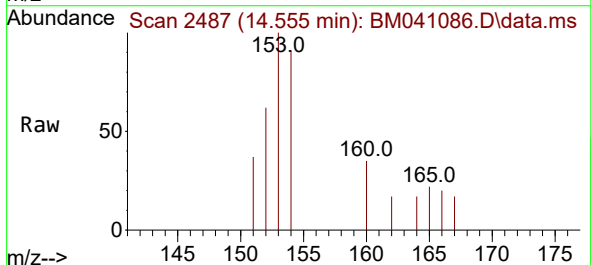
Instrument :
BNA_M
ClientSampleId :
A4729

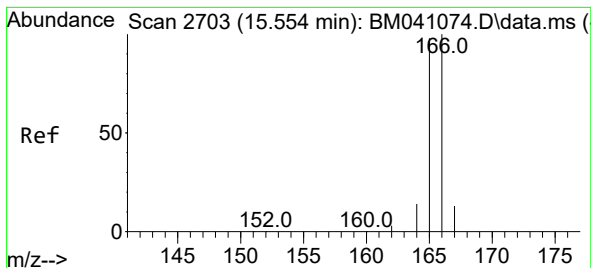
Tgt Ion:152 Resp: 1088
Ion Ratio Lower Upper
152 100
151 32.8 16.8 25.2#
153 26.5 11.4 17.2#



#11
Acenaphthene
Concen: 0.049 ng/ul
RT: 14.555 min Scan# 2487
Delta R.T. -0.004 min
Lab File: BM041086.D
Acq: 24 Jul 2023 21:57

Tgt Ion:153 Resp: 927
Ion Ratio Lower Upper
153 100
152 62.1 40.2 60.4#
154 91.4 70.3 105.5





#12

Fluorene

Concen: 0.040 ng/ul

RT: 15.545 min Scan# 21

Delta R.T. -0.009 min

Lab File: BM041086.D

Acq: 24 Jul 2023 21:57

Instrument :

BNA_M

ClientSampleId :

A4729

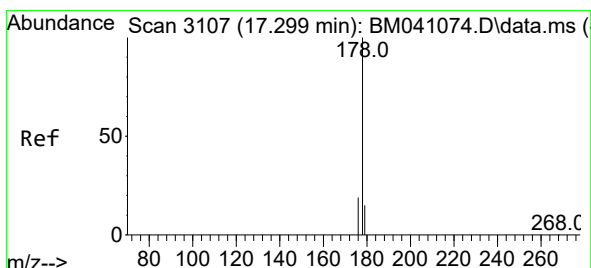
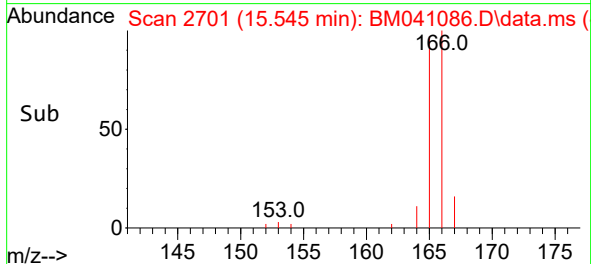
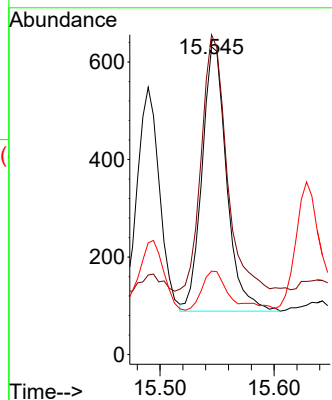
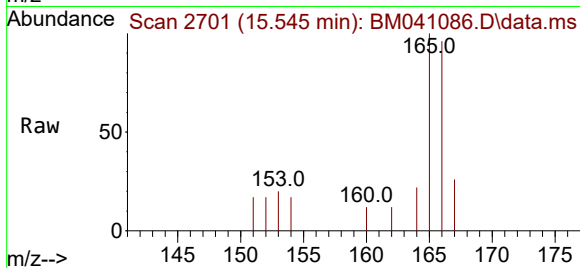
Tgt Ion:166 Resp: 817

Ion Ratio Lower Upper

166 100

165 104.0 79.4 119.0

167 27.1 11.4 17.2#



#15

Phenanthrene

Concen: 0.483 ng/ul

RT: 17.291 min Scan# 3105

Delta R.T. -0.008 min

Lab File: BM041086.D

Acq: 24 Jul 2023 21:57

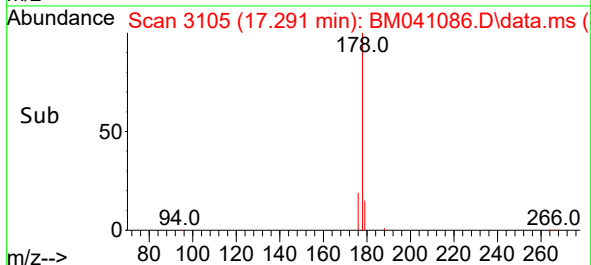
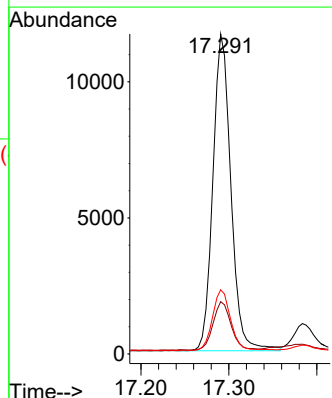
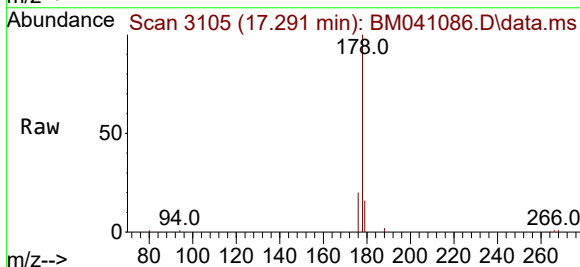
Tgt Ion:178 Resp: 16557

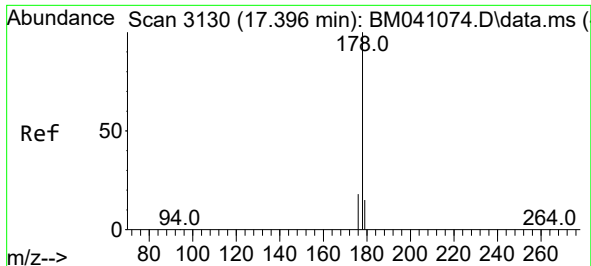
Ion Ratio Lower Upper

178 100

179 16.4 13.4 20.2

176 20.0 16.0 24.0

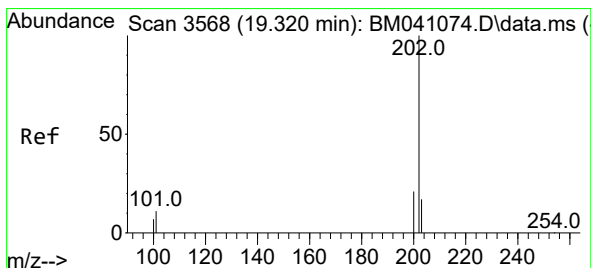
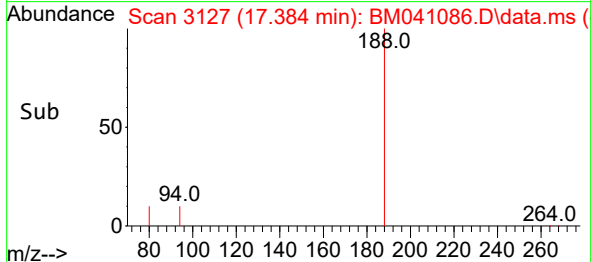
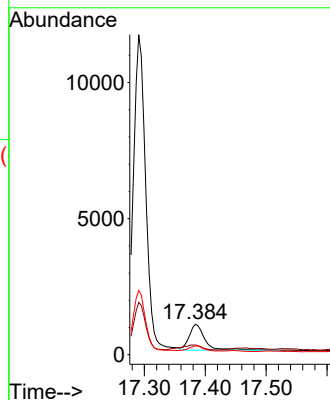
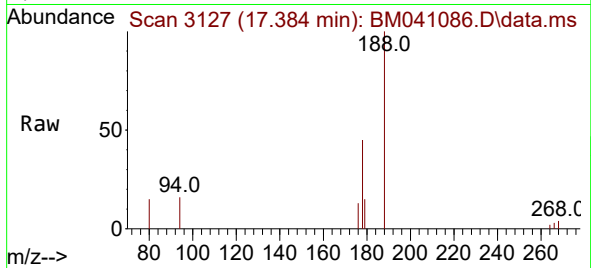




#16
 Anthracene
 Concen: 0.061 ng/ul
 RT: 17.384 min Scan# 31
 Delta R.T. -0.012 min
 Lab File: BM041086.D
 Acq: 24 Jul 2023 21:57

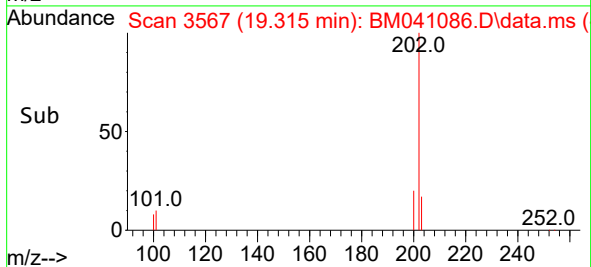
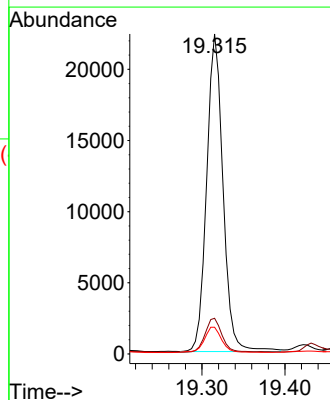
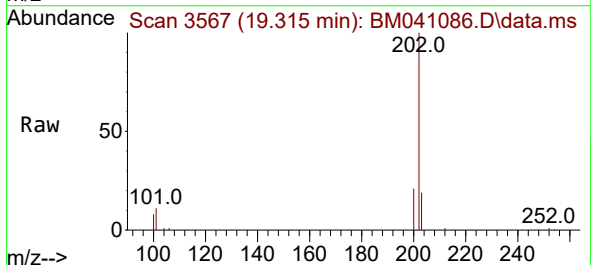
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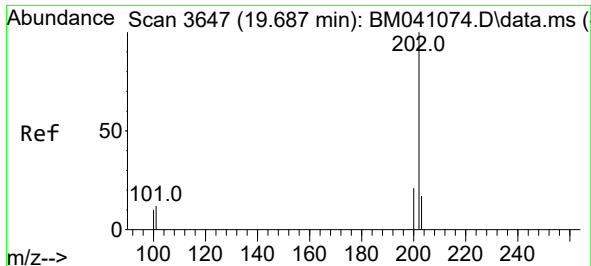
Tgt Ion:178 Resp: 1699
 Ion Ratio Lower Upper
 178 100
 179 32.3 13.6 20.4#
 176 29.0 16.0 24.0#



#19
 Fluoranthene
 Concen: 0.831 ng/ul
 RT: 19.315 min Scan# 3567
 Delta R.T. -0.004 min
 Lab File: BM041086.D
 Acq: 24 Jul 2023 21:57

Tgt Ion:202 Resp: 30650
 Ion Ratio Lower Upper
 202 100
 101 11.1 9.4 14.0
 100 8.3 7.1 10.7

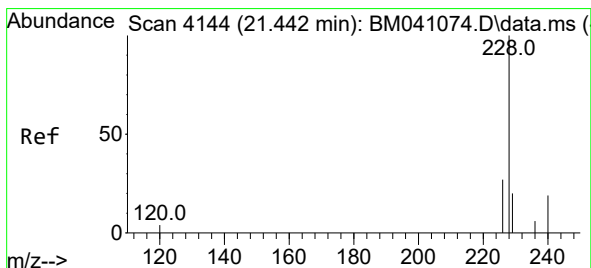
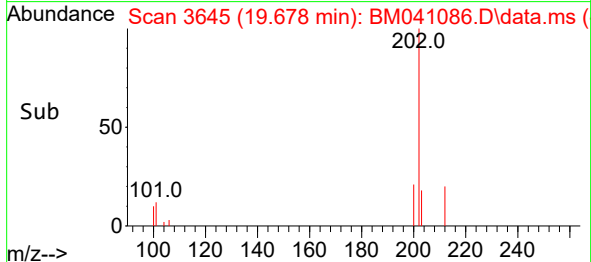
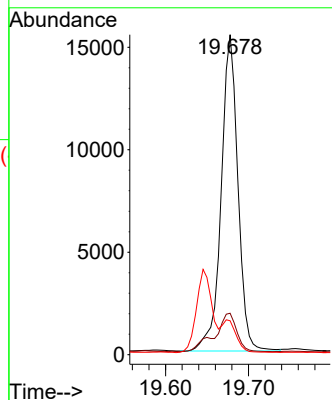
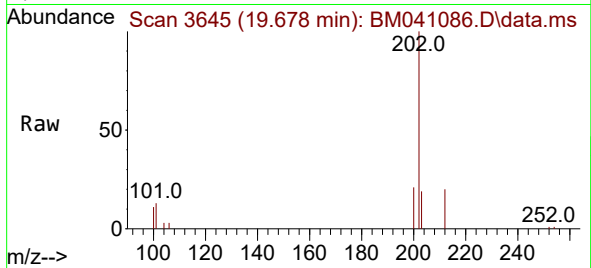




#20
Pyrene
Concen: 0.532 ng/ul
RT: 19.678 min Scan# 30
Delta R.T. -0.009 min
Lab File: BM041086.D
Acq: 24 Jul 2023 21:57

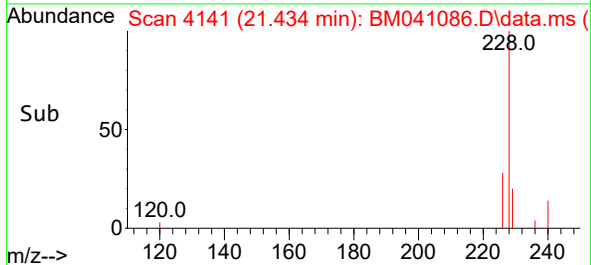
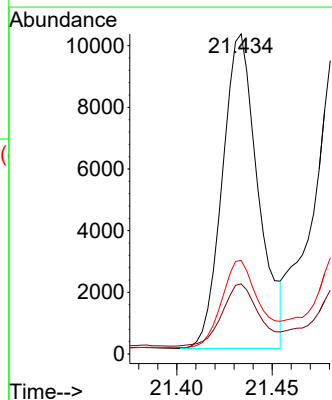
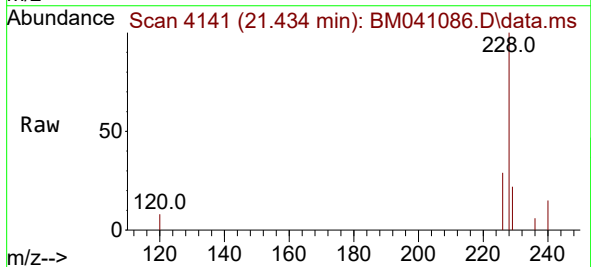
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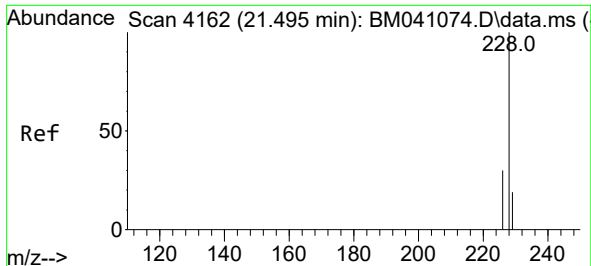
Tgt Ion:202 Resp: 21636
Ion Ratio Lower Upper
202 100
101 13.0 10.7 16.1
100 10.6 8.5 12.7



#21
Benzo(a)anthracene
Concen: 0.387 ng/ul
RT: 21.434 min Scan# 4141
Delta R.T. -0.009 min
Lab File: BM041086.D
Acq: 24 Jul 2023 21:57

Tgt Ion:228 Resp: 13307
Ion Ratio Lower Upper
228 100
229 21.9 16.5 24.7
226 29.2 22.2 33.2





#22

Chrysene

Concen: 0.411 ng/ul

RT: 21.483 min Scan# 41

Delta R.T. -0.011 min

Lab File: BM041086.D

Acq: 24 Jul 2023 21:57

Instrument :

BNA_M

ClientSampleId :

A4729

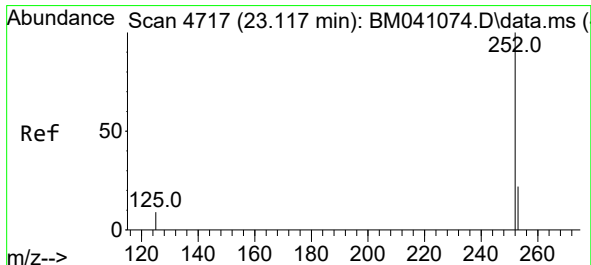
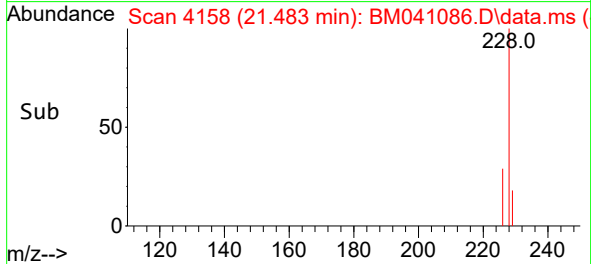
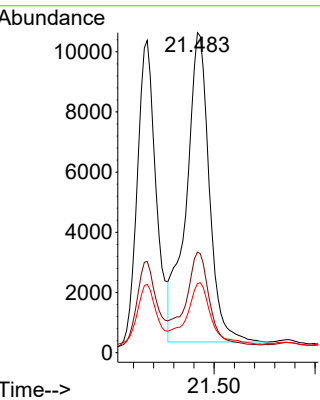
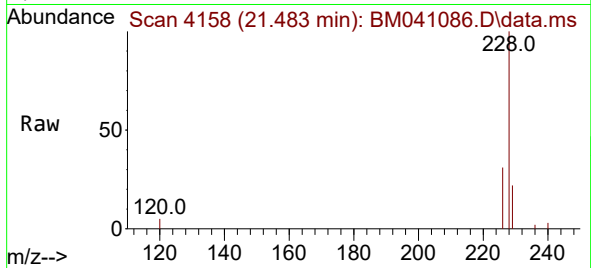
Tgt Ion:228 Resp: 16342

Ion Ratio Lower Upper

228 100

226 31.5 24.2 36.4

229 21.6 15.9 23.9



#24

Benzo(b)fluoranthene

Concen: 0.572 ng/ul

RT: 23.108 min Scan# 4714

Delta R.T. -0.009 min

Lab File: BM041086.D

Acq: 24 Jul 2023 21:57

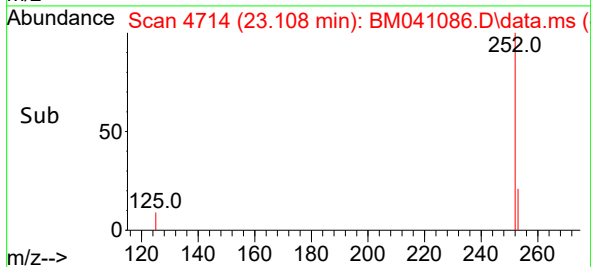
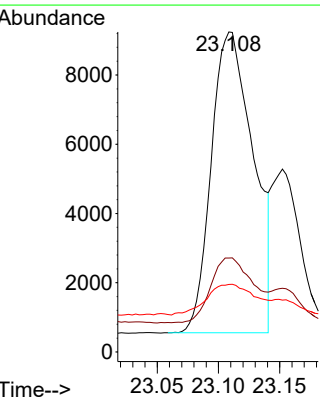
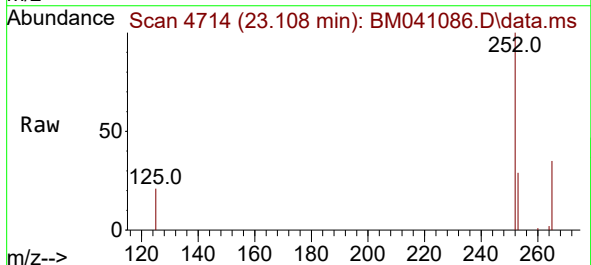
Tgt Ion:252 Resp: 20743

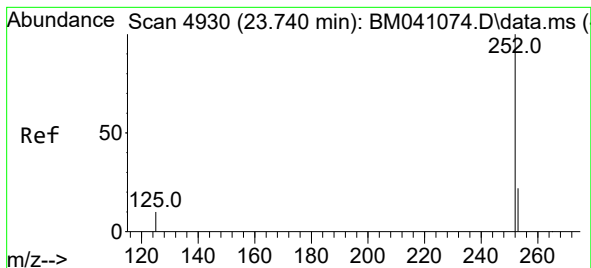
Ion Ratio Lower Upper

252 100

253 29.4 0.0 57.6

125 21.1 0.0 33.6





#26

Benzo(a)pyrene

Concen: 0.054 ng/ul

RT: 23.725 min Scan# 4930

Delta R.T. -0.014 min

Lab File: BM041086.D

Acq: 24 Jul 2023 21:57

Instrument :

BNA_M

ClientSampleId :

A4729

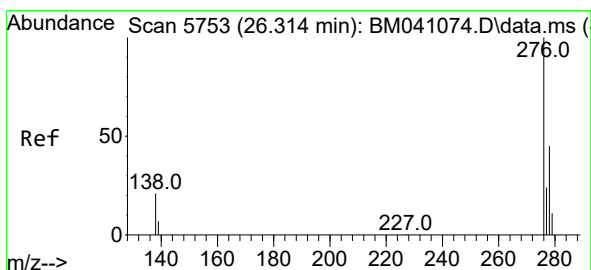
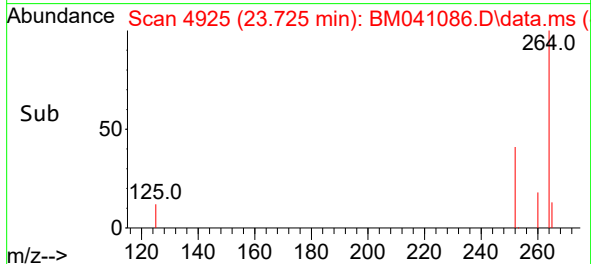
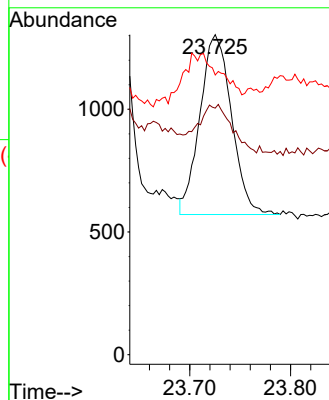
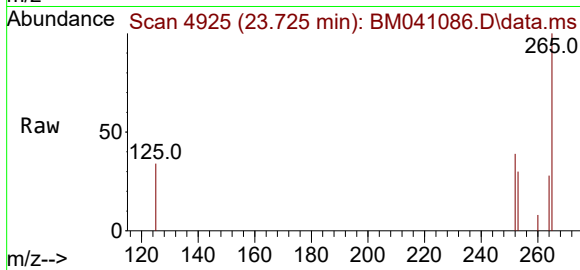
Tgt Ion:252 Resp: 1597

Ion Ratio Lower Upper

252 100

253 77.1 26.7 40.1#

125 87.4 18.1 27.1#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.163 ng/ul

RT: 26.294 min Scan# 5747

Delta R.T. -0.020 min

Lab File: BM041086.D

Acq: 24 Jul 2023 21:57

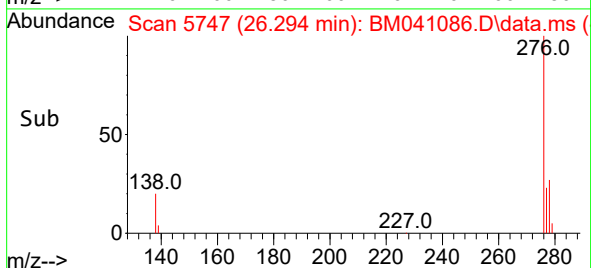
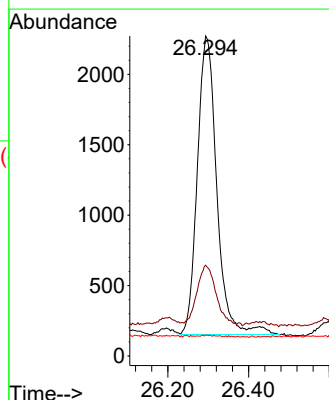
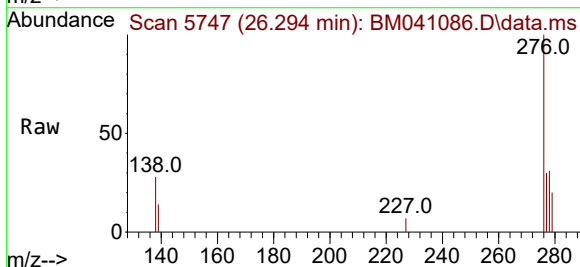
Tgt Ion:276 Resp: 7086

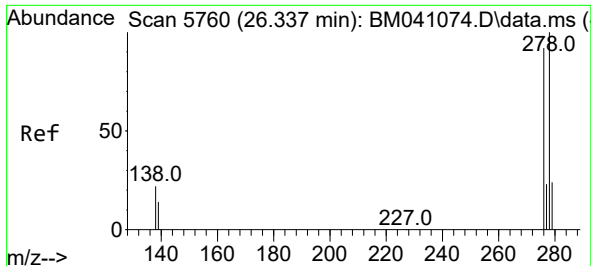
Ion Ratio Lower Upper

276 100

138 19.1 18.1 27.1

227 0.0 0.2 0.2#

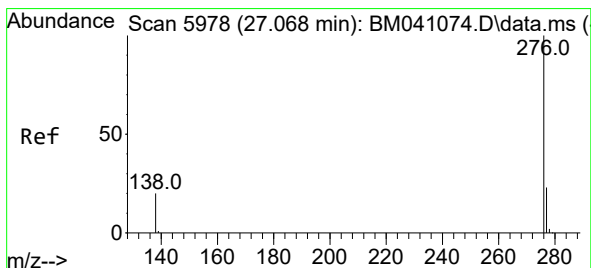
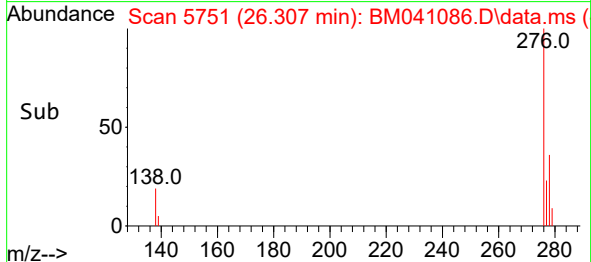
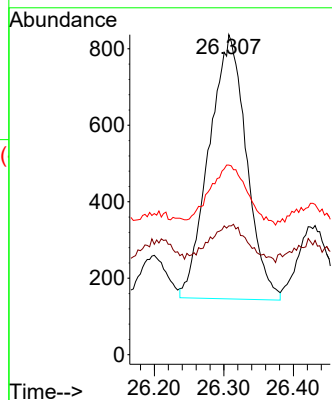
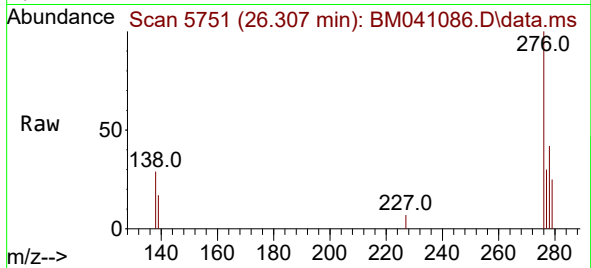




#28
 Dibenzo(a,h)anthracene
 Concen: 0.076 ng/ul
 RT: 26.307 min Scan# 51
 Delta R.T. -0.030 min
 Lab File: BM041086.D
 Acq: 24 Jul 2023 21:57

Instrument :
 BNA_M
 ClientSampleId :
 A4729

Tgt Ion:278 Resp: 2579
 Ion Ratio Lower Upper
 278 100
 139 40.3 14.1 21.1#
 279 59.3 25.0 37.4#



#29
 Benzo(g,h,i)perylene
 Concen: 0.023 ng/ul
 RT: 27.055 min Scan# 5974
 Delta R.T. -0.013 min
 Lab File: BM041086.D
 Acq: 24 Jul 2023 21:57

Tgt Ion:276 Resp: 887
 Ion Ratio Lower Upper
 276 100
 138 64.5 18.2 27.2#
 277 57.7 20.6 30.8#

