

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041099.D
 Acq On : 25 Jul 2023 10:50
 Operator : MA/JU
 Sample : 03534-10
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4722

Quant Time: Jul 26 04:21:47 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)

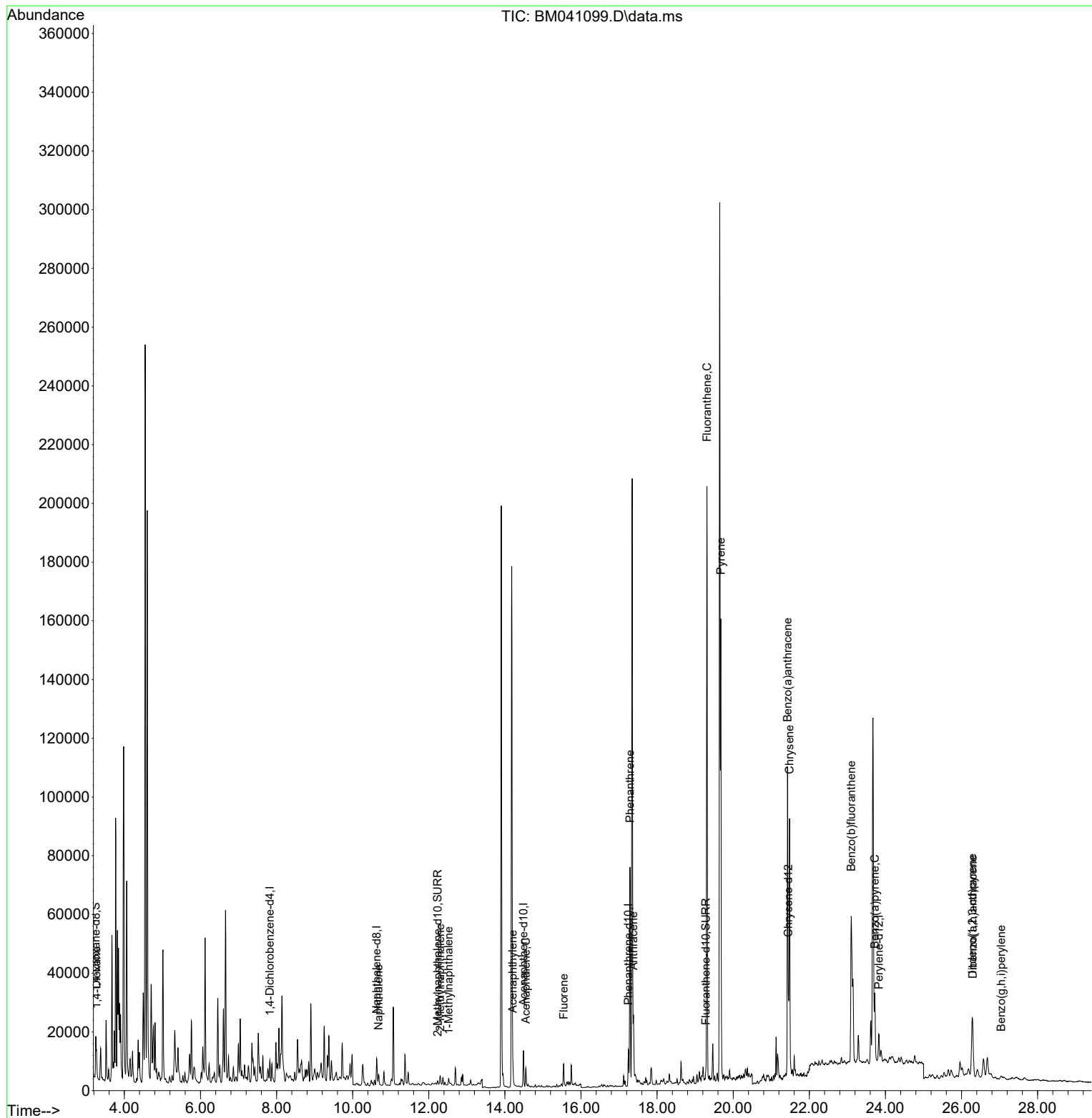
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.824	152	3974	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.631	136	12827	0.400	ng/ul	#-0.01
9) Acenaphthene-d10	14.490	164	6758	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.244	188	14805	0.400	ng/ul	0.00
17) Chrysene-d12	21.445	240	11864	0.400	ng/ul	# 0.00
23) Perylene-d12	23.827	264	12384	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.250	96	8013	1.307	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.231	152	1954	0.107	ng/ul	0.00
18) Fluoranthene-d10	19.283	212	4011	0.124	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.271	88	1239	0.198	ng/ul#	1
5) Naphthalene	10.680	128	5174	0.124	ng/ul	95
7) 2-Methylnaphthalene	12.302	142	1818	0.089	ng/ul	95
8) 1-Methylnaphthalene	12.522	142	1513	0.072	ng/ul	93
10) Acenaphthylene	14.208	152	6877	0.241	ng/ul	95
11) Acenaphthene	14.550	153	4187	0.174	ng/ul	100
12) Fluorene	15.545	166	5041	0.192	ng/ul#	98
15) Phenanthrene	17.286	178	78087	1.711	ng/ul	98
16) Anthracene	17.379	178	20166	0.546	ng/ul	99
19) Fluoranthene	19.310	202	169740	3.992	ng/ul	97
20) Pyrene	19.673	202	128684	2.745	ng/ul	99
21) Benzo(a)anthracene	21.428	228	86549	2.182	ng/ul	97
22) Chrysene	21.480	228	82857	1.809	ng/ul	97
24) Benzo(b)fluoranthene	23.102	252	92380	1.872	ng/ul	95
26) Benzo(a)pyrene	23.719	252	31832	0.796	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	26.283	276	31662	0.535	ng/ul#	97
28) Dibenzo(a,h)anthracene	26.294	278	13018	0.280	ng/ul#	69
29) Benzo(g,h,i)perylene	27.041	276	3415	0.065	ng/ul#	27

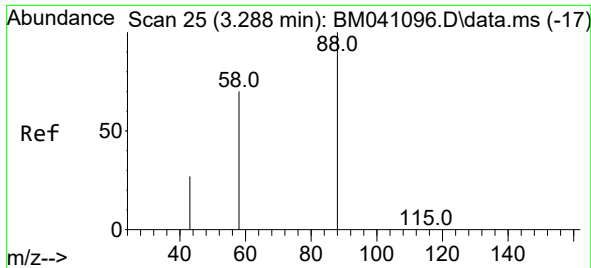
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
Data File : BM041099.D
Acq On : 25 Jul 2023 10:50
Operator : MA/JU
Sample : 03534-10
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4722

Quant Time: Jul 26 04:21:47 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

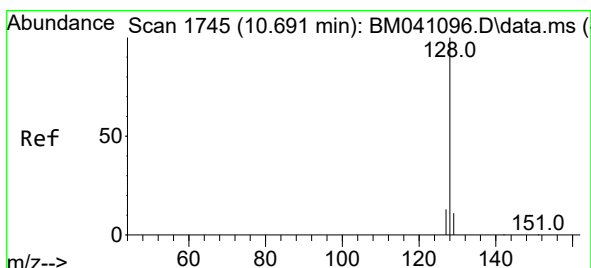
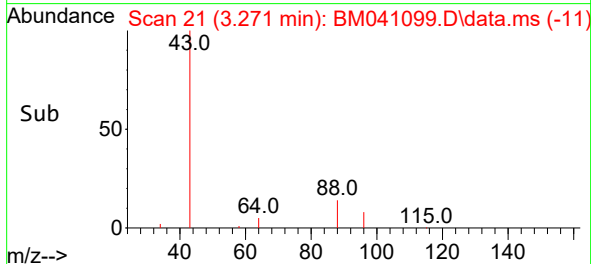
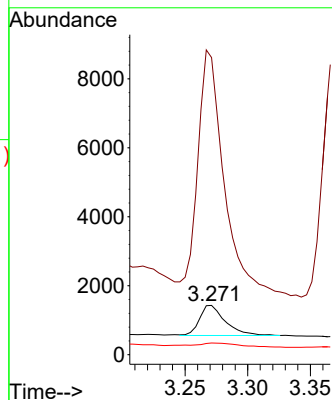
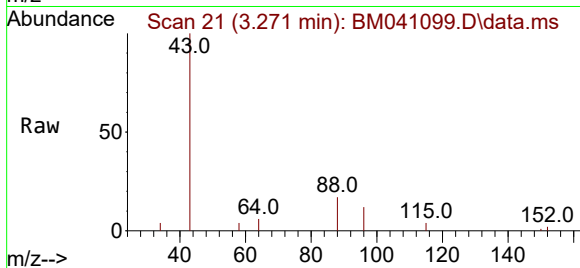




#2
1,4-Dioxane
Concen: 0.198 ng/ul
RT: 3.271 min Scan# 21
Delta R.T. -0.017 min
Lab File: BM041099.D
Acq: 25 Jul 2023 10:50

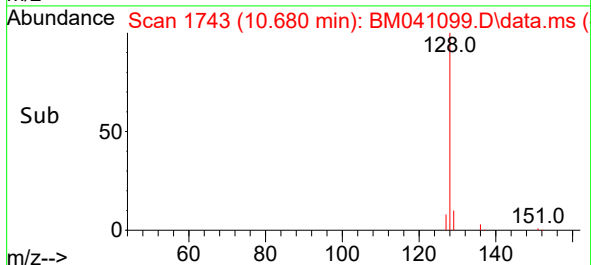
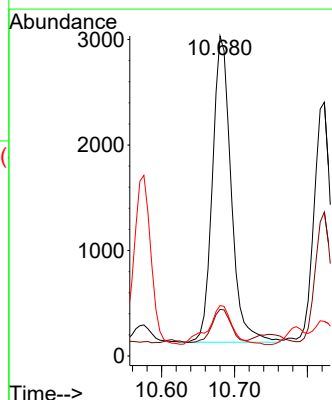
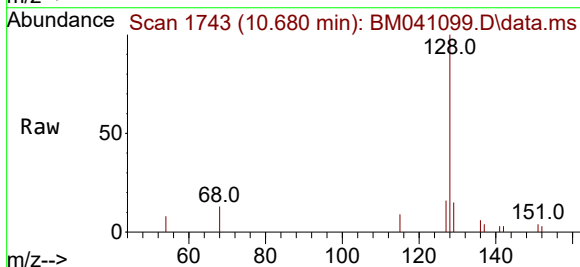
Instrument :
BNA_P
ClientSampleId :
A4722

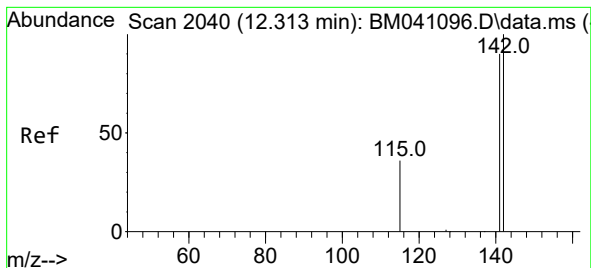
Tgt Ion: 88 Resp: 1239
Ion Ratio Lower Upper
88 100
43 603.4 83.1 124.7#
58 23.7 38.8 58.2#



#5
Naphthalene
Concen: 0.124 ng/ul
RT: 10.680 min Scan# 1743
Delta R.T. -0.011 min
Lab File: BM041099.D
Acq: 25 Jul 2023 10:50

Tgt Ion: 128 Resp: 5174
Ion Ratio Lower Upper
128 100
129 14.6 9.8 14.8
127 15.8 11.1 16.7

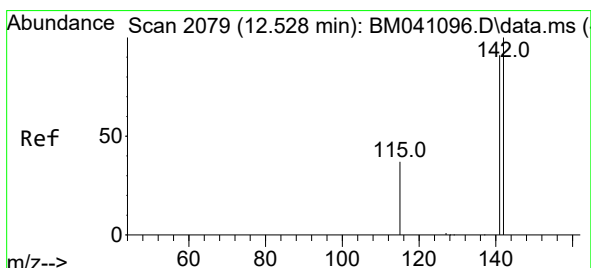
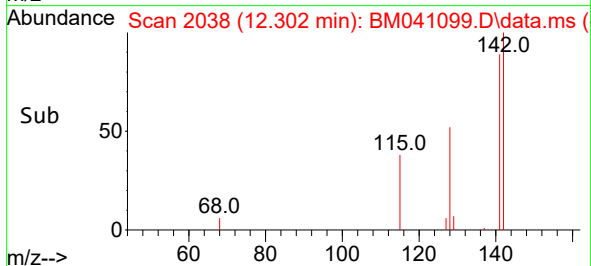
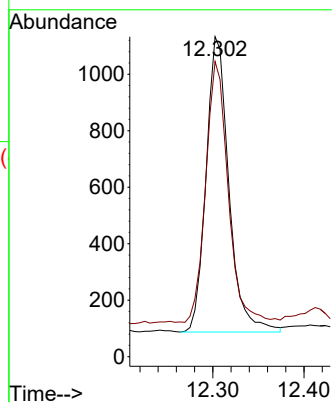
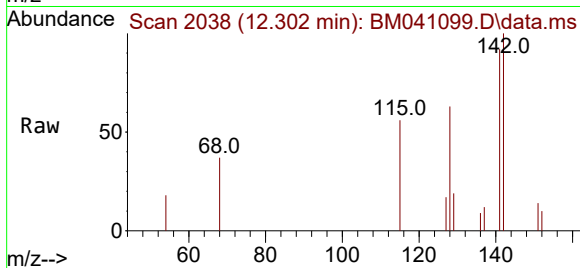




#7
2-Methylnaphthalene
Concen: 0.089 ng/ul
RT: 12.302 min Scan# 2038
Delta R.T. -0.011 min
Lab File: BM041099.D
Acq: 25 Jul 2023 10:50

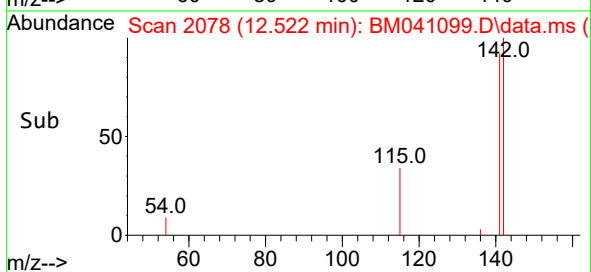
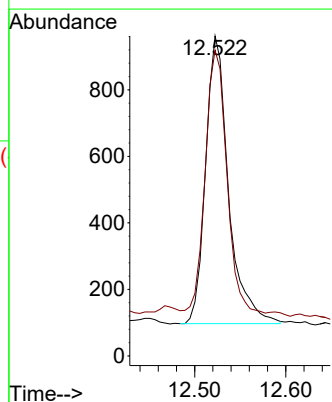
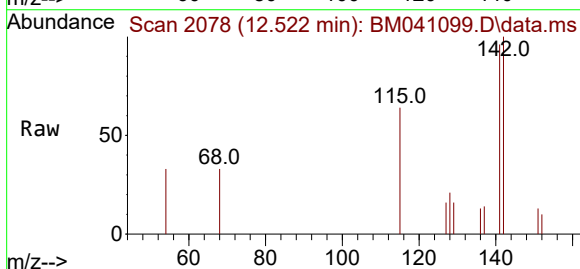
Instrument :
BNA_P
ClientSampleId :
A4722

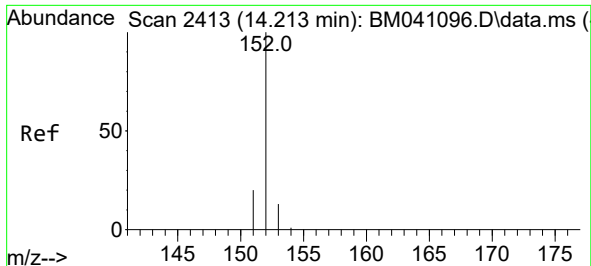
Tgt Ion:142 Resp: 1818
Ion Ratio Lower Upper
142 100
141 86.5 73.3 109.9



#8
1-Methylnaphthalene
Concen: 0.072 ng/ul
RT: 12.522 min Scan# 2078
Delta R.T. -0.006 min
Lab File: BM041099.D
Acq: 25 Jul 2023 10:50

Tgt Ion:142 Resp: 1513
Ion Ratio Lower Upper
142 100
141 85.4 73.6 110.4

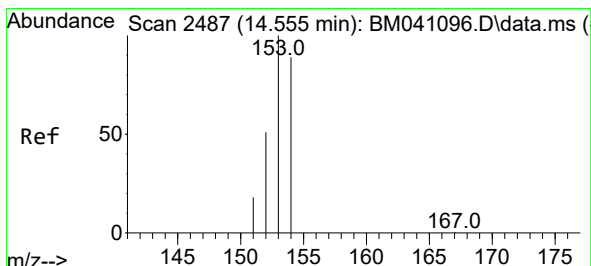
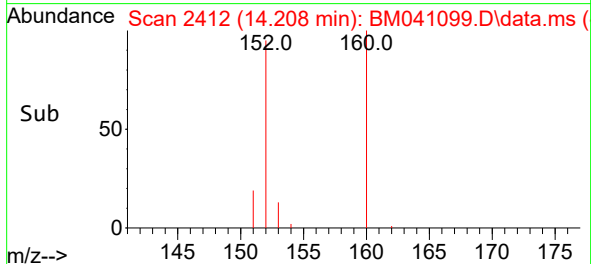
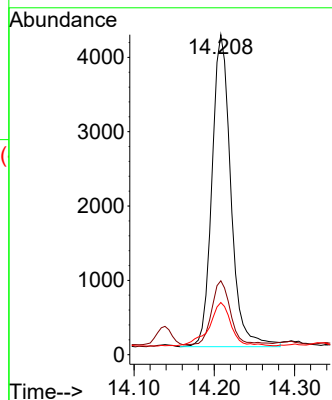
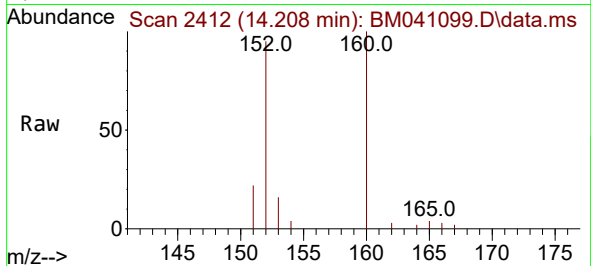




#10
Acenaphthylene
Concen: 0.241 ng/ul
RT: 14.208 min Scan# 2412
Delta R.T. -0.005 min
Lab File: BM041099.D
Acq: 25 Jul 2023 10:50

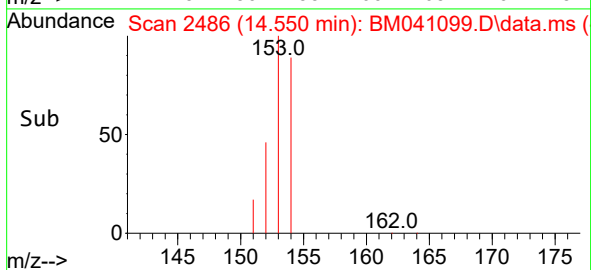
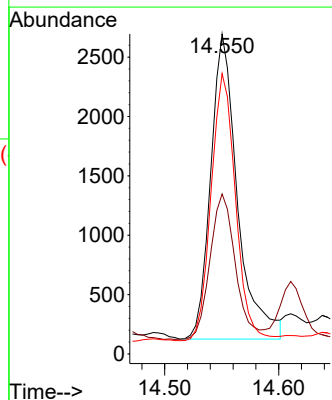
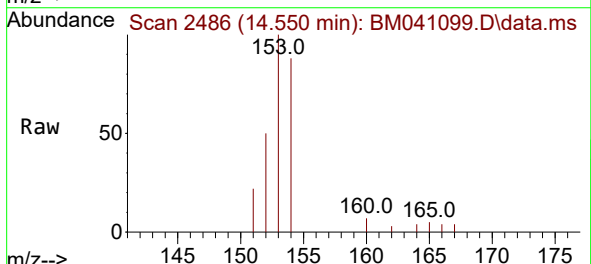
Instrument :
BNA_P
ClientSampleId :
A4722

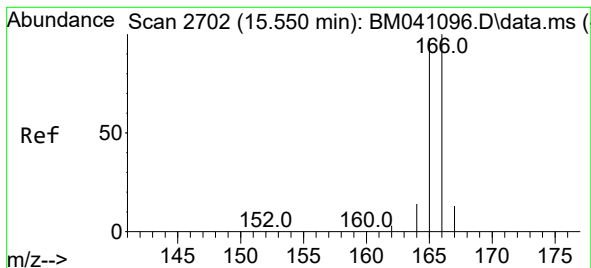
Tgt Ion:152 Resp: 6877
Ion Ratio Lower Upper
152 100
151 23.1 16.8 25.2
153 16.3 11.4 17.2



#11
Acenaphthene
Concen: 0.174 ng/ul
RT: 14.550 min Scan# 2486
Delta R.T. -0.005 min
Lab File: BM041099.D
Acq: 25 Jul 2023 10:50

Tgt Ion:153 Resp: 4187
Ion Ratio Lower Upper
153 100
152 50.0 40.2 60.4
154 87.6 70.3 105.5





#12

Fluorene

Concen: 0.192 ng/ul

RT: 15.545 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM041099.D

Acq: 25 Jul 2023 10:50

Instrument :

BNA_P

ClientSampleId :

A4722

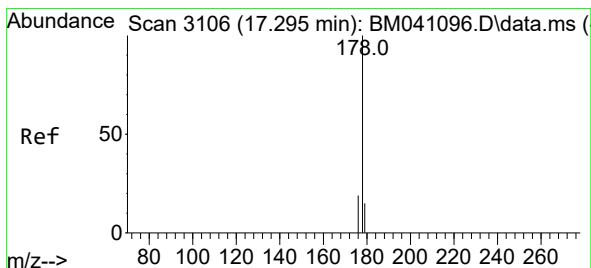
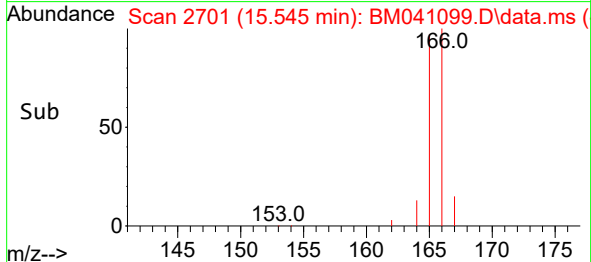
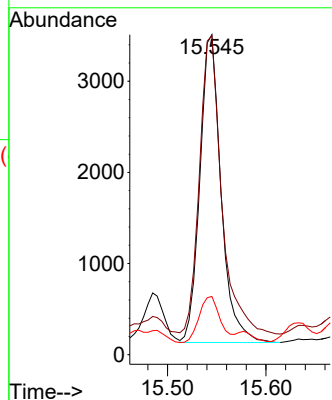
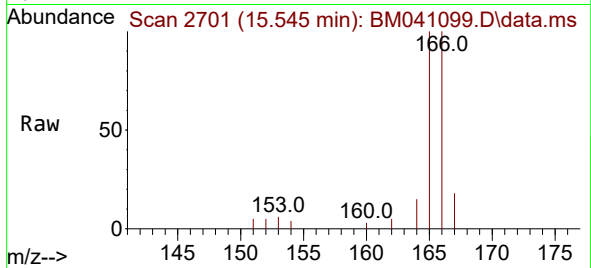
Tgt Ion:166 Resp: 5041

Ion Ratio Lower Upper

166 100

165 99.7 79.4 119.0

167 18.2 11.4 17.2#



#15

Phenanthrene

Concen: 1.711 ng/ul

RT: 17.286 min Scan# 3104

Delta R.T. -0.009 min

Lab File: BM041099.D

Acq: 25 Jul 2023 10:50

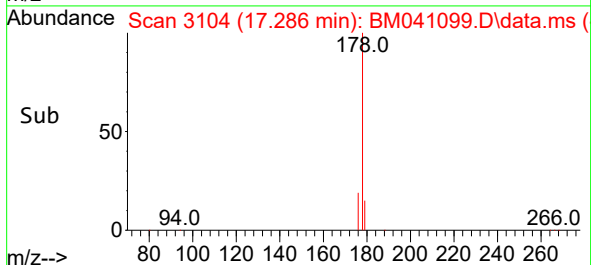
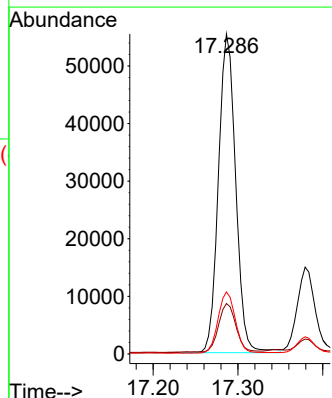
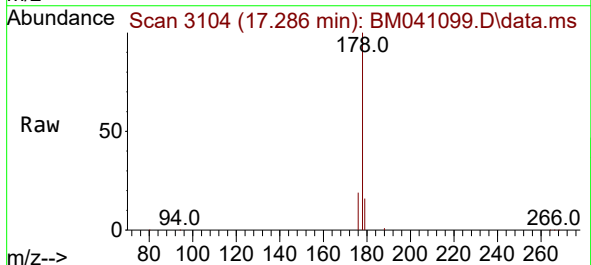
Tgt Ion:178 Resp: 78087

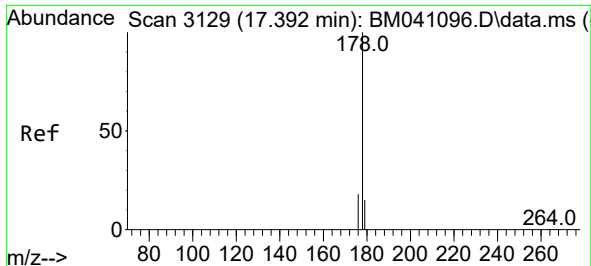
Ion Ratio Lower Upper

178 100

179 15.8 13.4 20.2

176 19.4 16.0 24.0

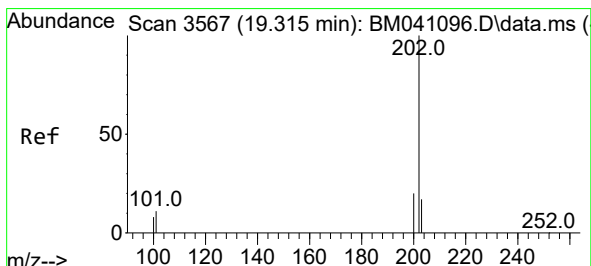
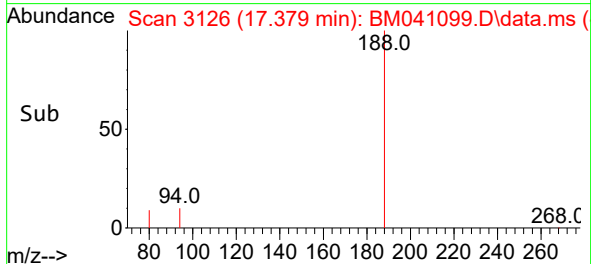
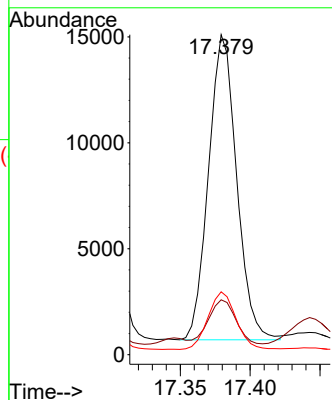
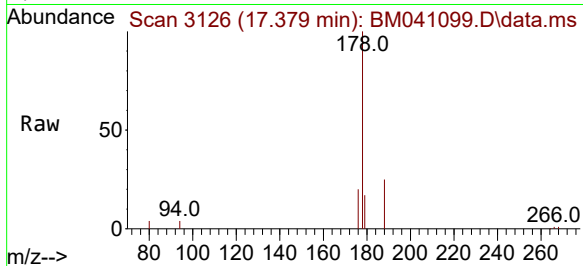




#16
 Anthracene
 Concen: 0.546 ng/ul
 RT: 17.379 min Scan# 3126
 Delta R.T. -0.013 min
 Lab File: BM041099.D
 Acq: 25 Jul 2023 10:50

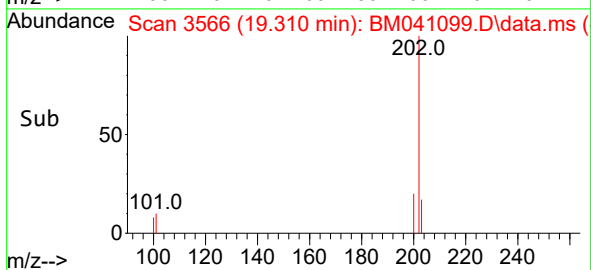
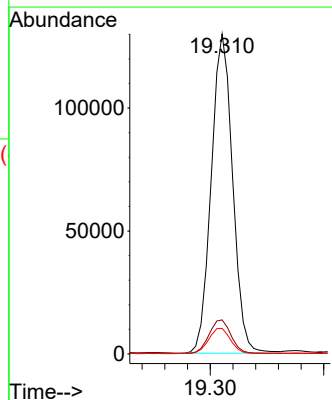
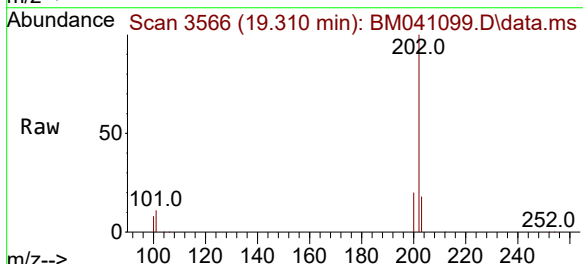
Instrument :
 BNA_P
 ClientSampleId :
 A4722

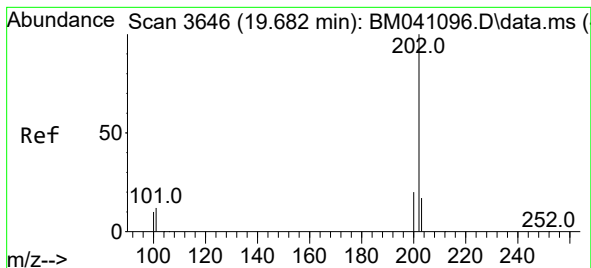
Tgt Ion:178	Resp:	20166
Ion Ratio	Lower	Upper
178	100	
179	17.2	13.6 20.4
176	19.7	16.0 24.0



#19
 Fluoranthene
 Concen: 3.992 ng/ul
 RT: 19.310 min Scan# 3566
 Delta R.T. -0.005 min
 Lab File: BM041099.D
 Acq: 25 Jul 2023 10:50

Tgt Ion:202	Resp:	169740
Ion Ratio	Lower	Upper
202	100	
101	10.7	9.4 14.0
100	8.0	7.1 10.7





#20

Pyrene

Concen: 2.745 ng/ul

RT: 19.673 min Scan# 3

Delta R.T. -0.009 min

Lab File: BM041099.D

Acq: 25 Jul 2023 10:50

Instrument :

BNA_P

ClientSampleId :

A4722

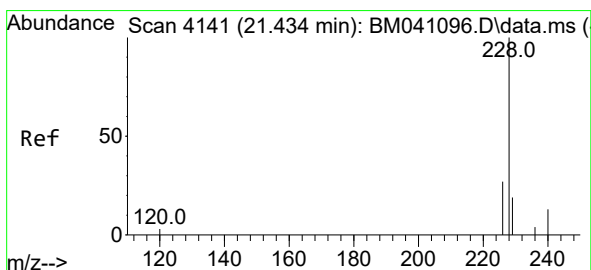
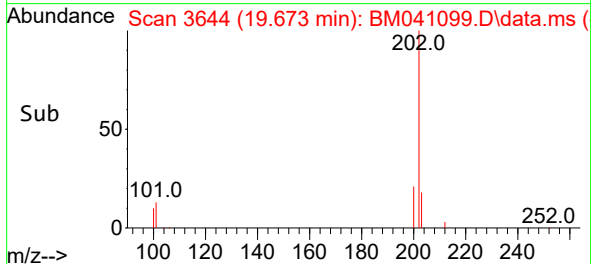
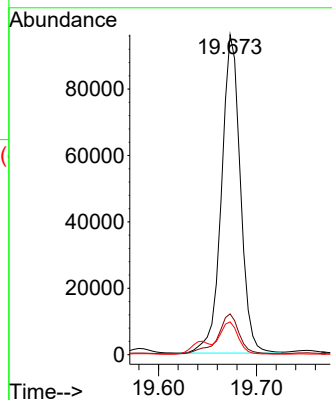
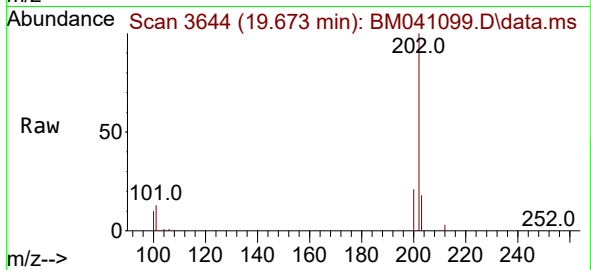
Tgt Ion:202 Resp: 128684

Ion Ratio Lower Upper

202 100

101 12.7 10.7 16.1

100 10.3 8.5 12.7



#21

Benzo(a)anthracene

Concen: 2.182 ng/ul

RT: 21.428 min Scan# 4139

Delta R.T. -0.006 min

Lab File: BM041099.D

Acq: 25 Jul 2023 10:50

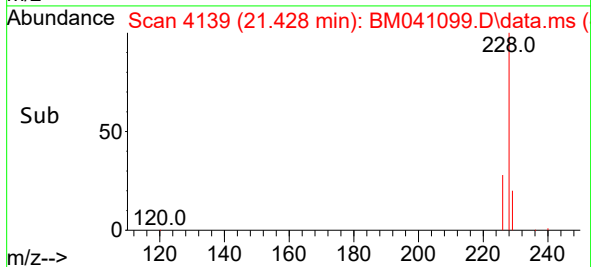
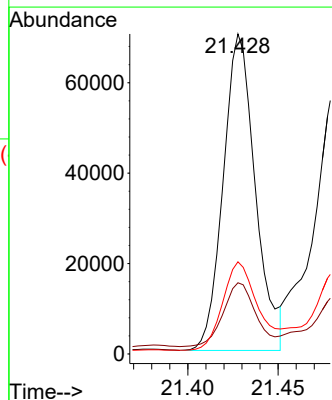
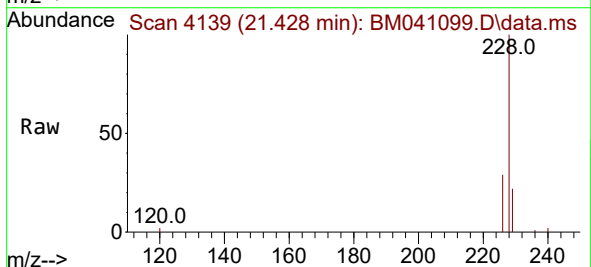
Tgt Ion:228 Resp: 86549

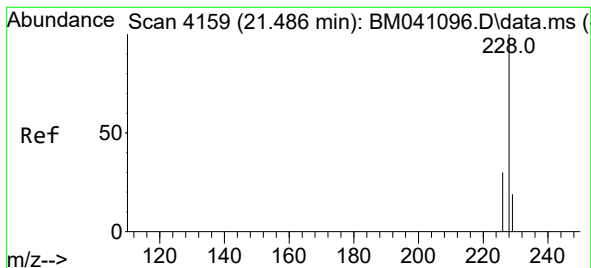
Ion Ratio Lower Upper

228 100

229 22.3 16.5 24.7

226 28.8 22.2 33.2





#22

Chrysene

Concen: 1.809 ng/ul

RT: 21.480 min Scan# 4159

Delta R.T. -0.006 min

Lab File: BM041099.D

Acq: 25 Jul 2023 10:50

Instrument :

BNA_P

ClientSampleId :

A4722

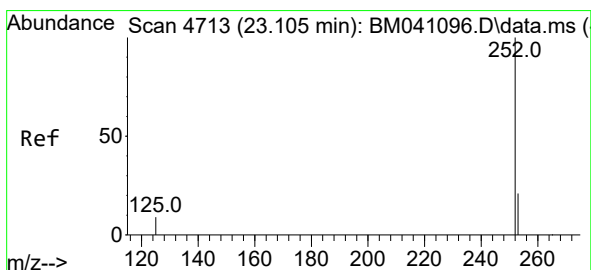
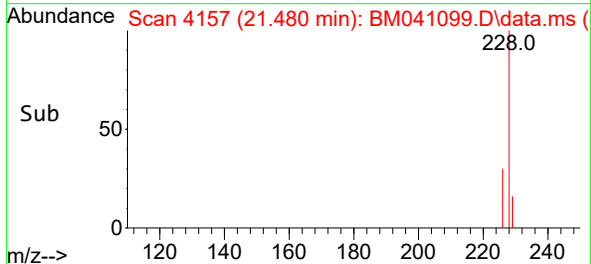
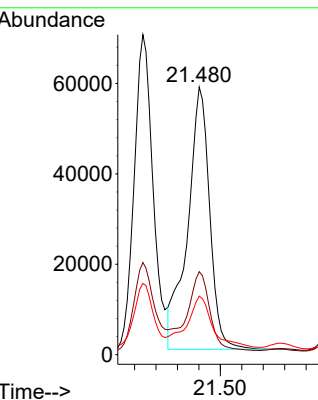
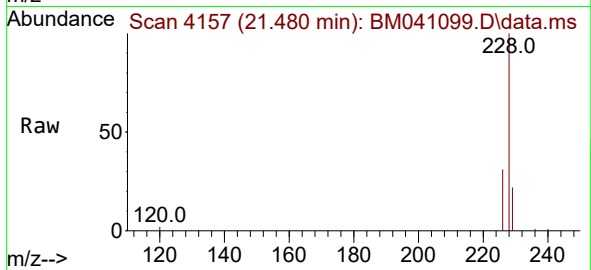
Tgt Ion:228 Resp: 82857

Ion Ratio Lower Upper

228 100

226 31.0 24.2 36.4

229 21.9 15.9 23.9



#24

Benzo(b)fluoranthene

Concen: 1.872 ng/ul

RT: 23.102 min Scan# 4712

Delta R.T. -0.003 min

Lab File: BM041099.D

Acq: 25 Jul 2023 10:50

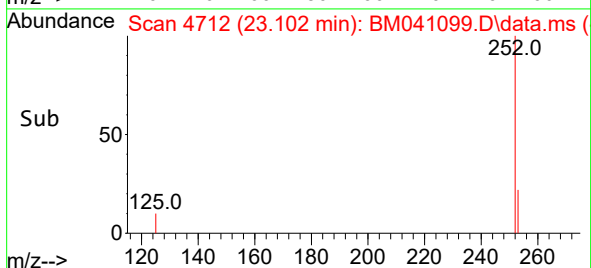
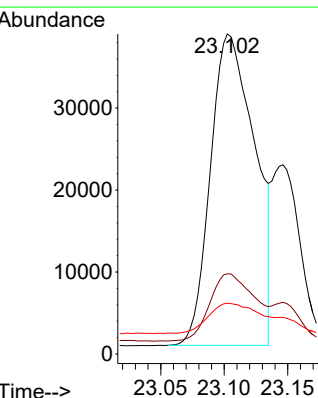
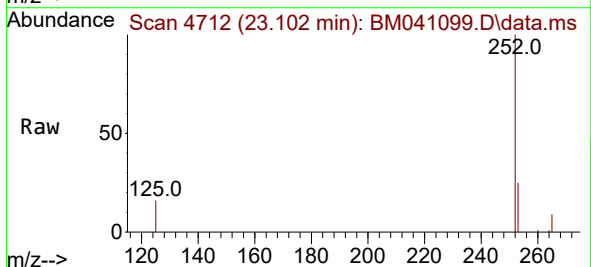
Tgt Ion:252 Resp: 92380

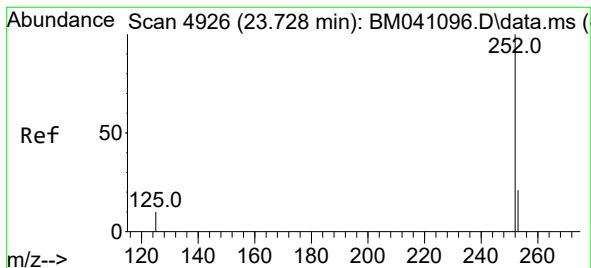
Ion Ratio Lower Upper

252 100

253 25.1 0.0 57.6

125 15.8 0.0 33.6





#26

Benzo(a)pyrene

Concen: 0.796 ng/ul

RT: 23.719 min Scan# 4923

Delta R.T. -0.009 min

Lab File: BM041099.D

Acq: 25 Jul 2023 10:50

Instrument :

BNA_P

ClientSampleId :

A4722

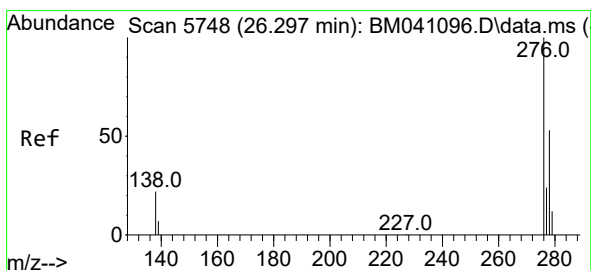
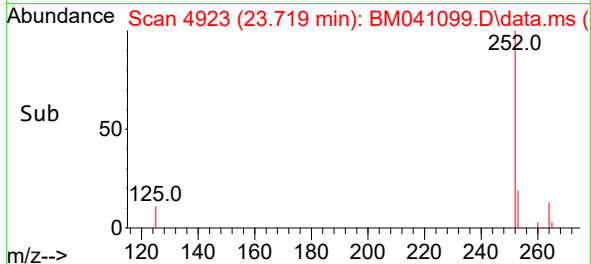
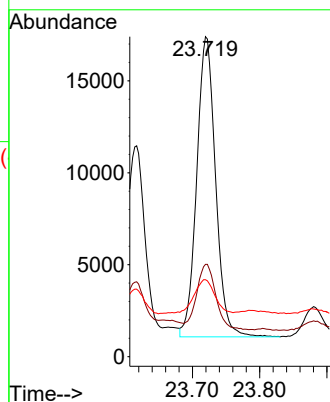
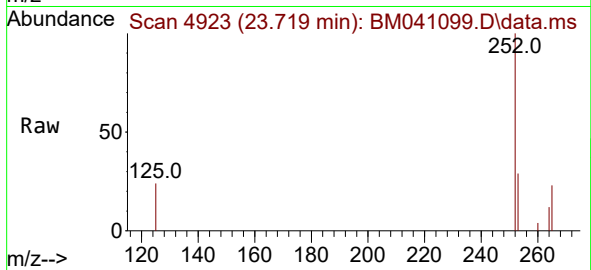
Tgt Ion:252 Resp: 31832

Ion Ratio Lower Upper

252 100

253 28.9 26.7 40.1

125 24.0 18.1 27.1



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.535 ng/ul

RT: 26.283 min Scan# 5744

Delta R.T. -0.014 min

Lab File: BM041099.D

Acq: 25 Jul 2023 10:50

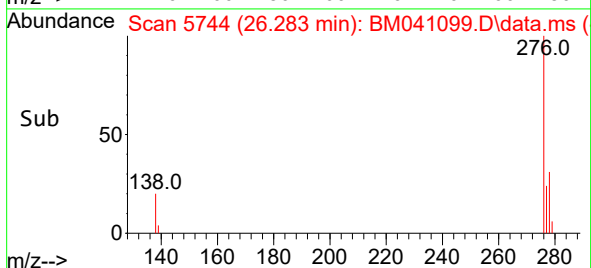
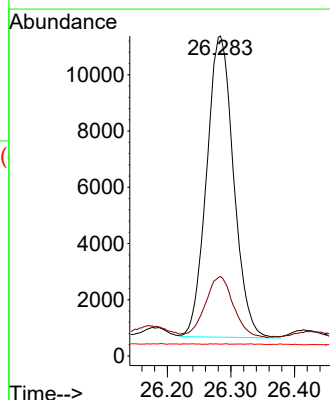
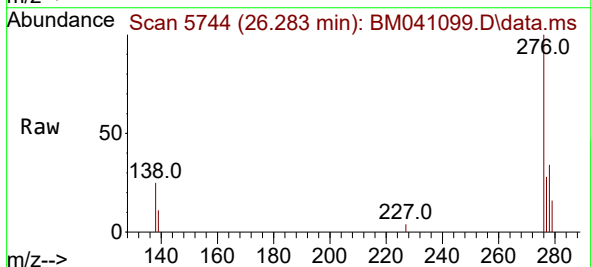
Tgt Ion:276 Resp: 31662

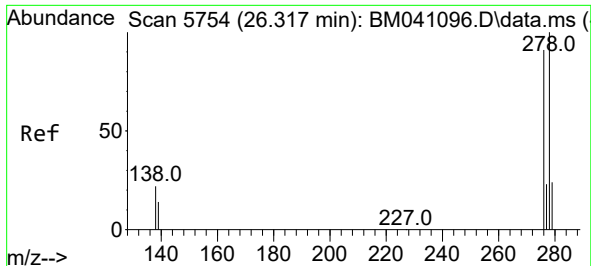
Ion Ratio Lower Upper

276 100

138 21.4 18.1 27.1

227 0.1 0.2 0.2#

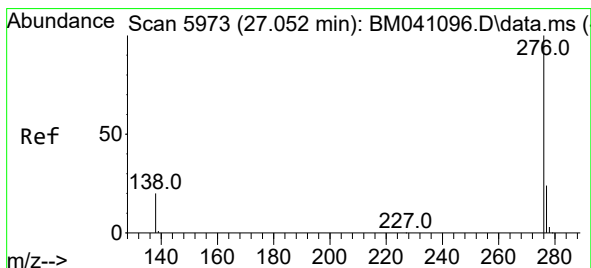
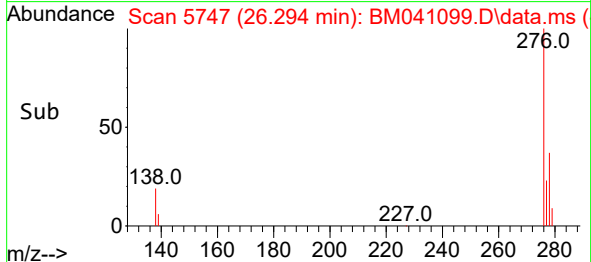
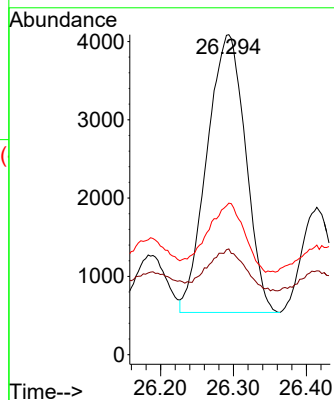
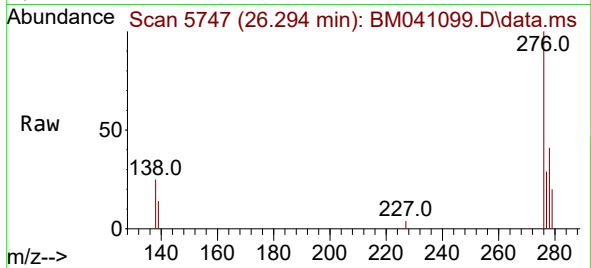




#28
Dibenzo(a,h)anthracene
Concen: 0.280 ng/ul
RT: 26.294 min Scan# 51
Delta R.T. -0.024 min
Lab File: BM041099.D
Acq: 25 Jul 2023 10:50

Instrument :
BNA_P
ClientSampleId :
A4722

Tgt Ion:278 Resp: 13018
Ion Ratio Lower Upper
278 100
139 33.0 14.1 21.1#
279 47.4 25.0 37.4#



#29
Benzo(g,h,i)perylene
Concen: 0.065 ng/ul
RT: 27.041 min Scan# 5970
Delta R.T. -0.010 min
Lab File: BM041099.D
Acq: 25 Jul 2023 10:50

Tgt Ion:276 Resp: 3415
Ion Ratio Lower Upper
276 100
138 60.7 18.2 27.2#
277 60.1 20.6 30.8#

