

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041103.D
 Acq On : 25 Jul 2023 13:20
 Operator : MA/JU
 Sample : 03534-17
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4733

Quant Time: Jul 26 04:22:29 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)

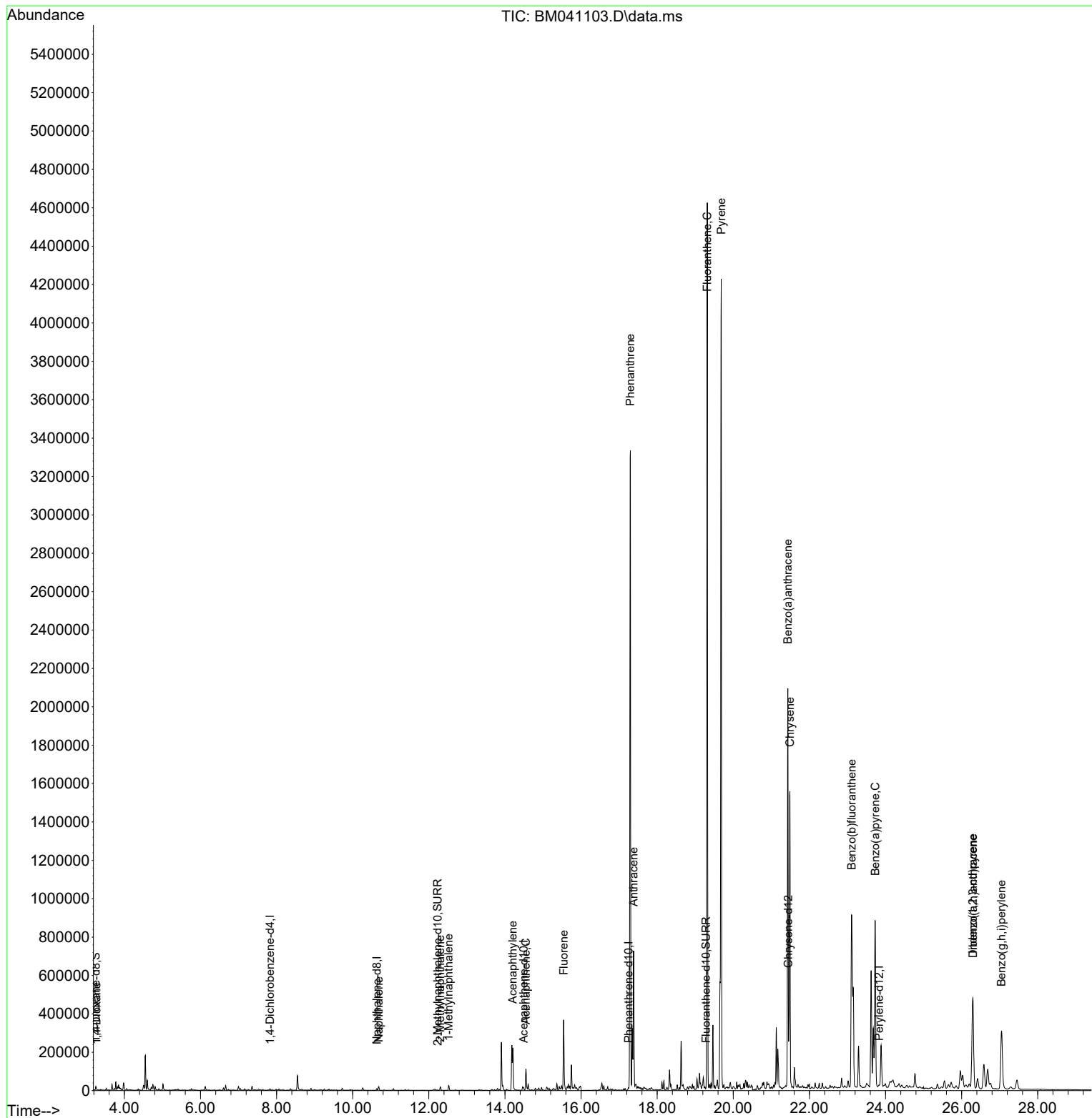
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	3871	0.400	ng/ul	0.00
4) Naphthalene-d8	10.636	136	12584	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.490	164	7049	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.248	188	17897	0.400	ng/ul	0.00
17) Chrysene-d12	21.448	240	11531	0.400	ng/ul	# 0.00
23) Perylene-d12	23.830	264	16845	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.250	96	10195	1.707	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.231	152	2401	0.134	ng/ul	0.00
18) Fluoranthene-d10	19.282	212	5585	0.178	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.271	88	531	0.087	ng/ul#	1
5) Naphthalene	10.685	128	28170	0.688	ng/ul	98
7) 2-Methylnaphthalene	12.302	142	13454	0.671	ng/ul	96
8) 1-Methylnaphthalene	12.522	142	17700	0.859	ng/ul	100
10) Acenaphthylene	14.208	152	253676	8.519	ng/ul	98
11) Acenaphthene	14.550	153	64371	2.562	ng/ul	99
12) Fluorene	15.545	166	227942	8.313	ng/ul	98
15) Phenanthrene	17.295	178	3390780	61.463	ng/ul	98
16) Anthracene	17.379	178	758829	16.990	ng/ul	97
19) Fluoranthene	19.315	202	3734901	90.374	ng/ul	97
20) Pyrene	19.682	202	3472080	76.195	ng/ul	96
21) Benzo(a)anthracene	21.433	228	1730552	44.891	ng/ul	99
22) Chrysene	21.486	228	1394131	31.313	ng/ul	98
24) Benzo(b)fluoranthene	23.108	252	1672731	24.922	ng/ul	87
26) Benzo(a)pyrene	23.728	252	1259604	23.167	ng/ul#	78
27) Indeno(1,2,3-cd)pyrene	26.293	276	811198	10.078	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.300	278	220949	3.500	ng/ul	91
29) Benzo(g,h,i)perylene	27.048	276	668204	9.288	ng/ul	95

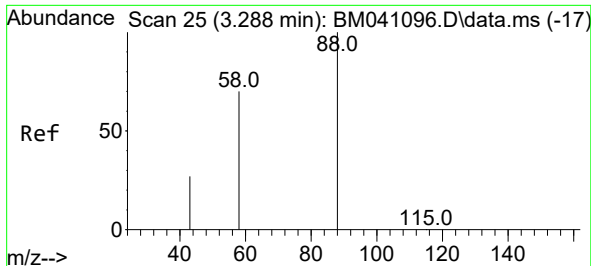
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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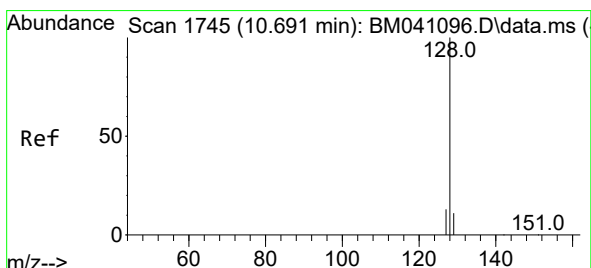
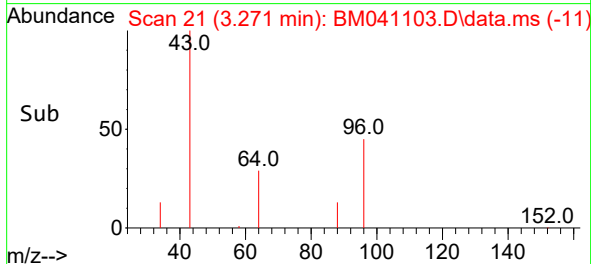
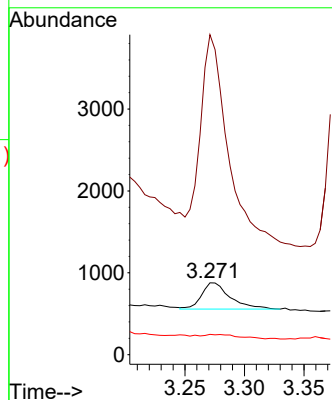
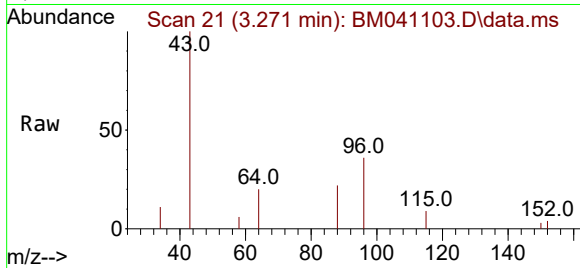




#2
1,4-Dioxane
Concen: 0.087 ng/ul
RT: 3.271 min Scan# 21
Delta R.T. -0.017 min
Lab File: BM041103.D
Acq: 25 Jul 2023 13:20

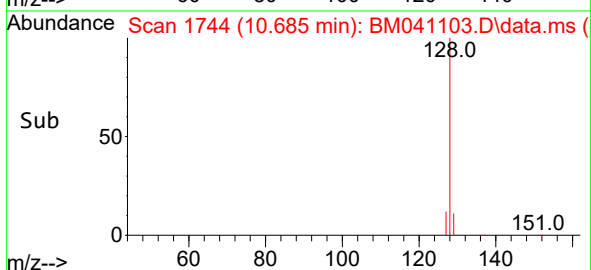
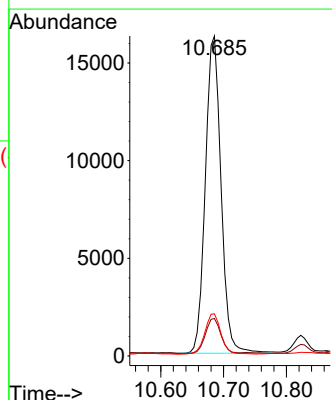
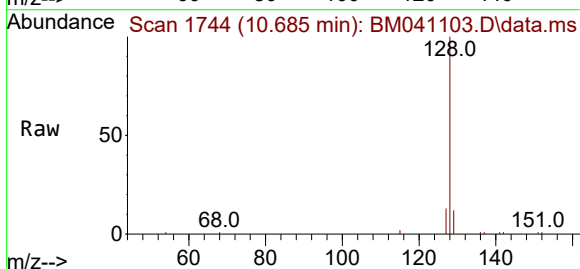
Instrument :
BNA_P
ClientSampleId :
A4733

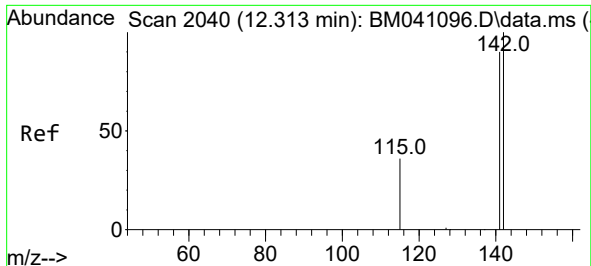
Tgt Ion: 88 Resp: 531
Ion Ratio Lower Upper
88 100
43 445.6 83.1 124.7#
58 28.3 38.8 58.2#



#5
Naphthalene
Concen: 0.688 ng/ul
RT: 10.685 min Scan# 1744
Delta R.T. -0.006 min
Lab File: BM041103.D
Acq: 25 Jul 2023 13:20

Tgt Ion: 128 Resp: 28170
Ion Ratio Lower Upper
128 100
129 11.7 9.8 14.8
127 13.1 11.1 16.7

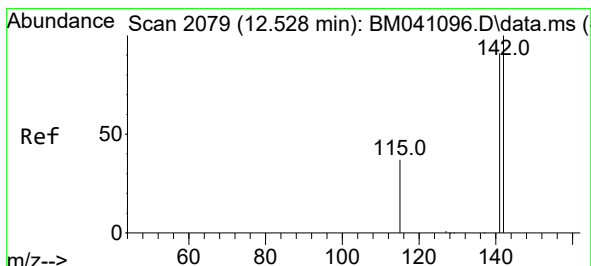
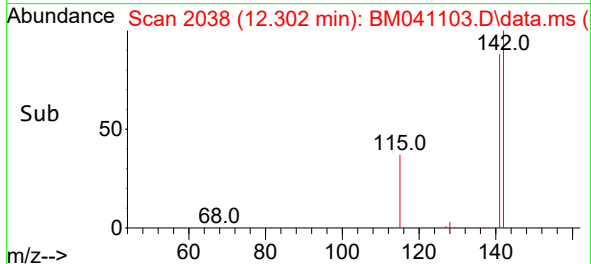
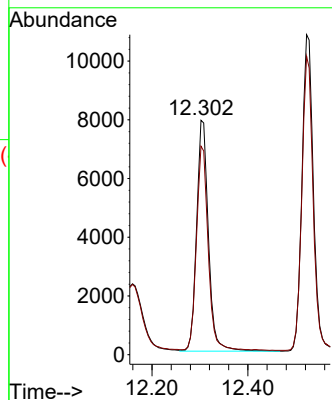
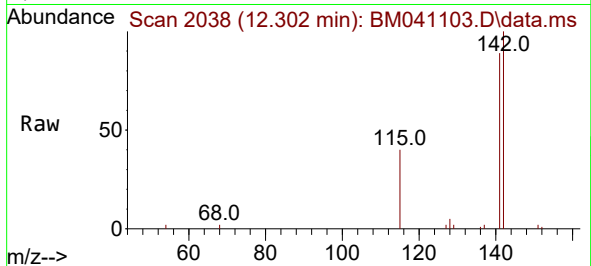




#7
2-Methylnaphthalene
Concen: 0.671 ng/ul
RT: 12.302 min Scan# 2040
Delta R.T. -0.011 min
Lab File: BM041103.D
Acq: 25 Jul 2023 13:20

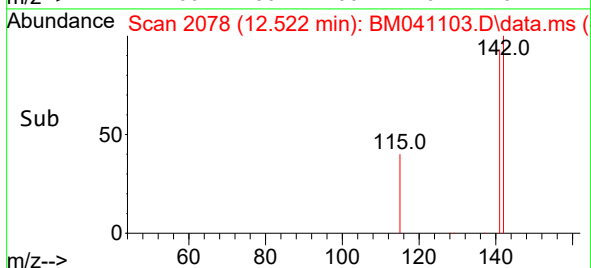
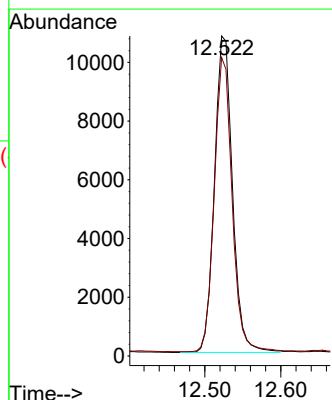
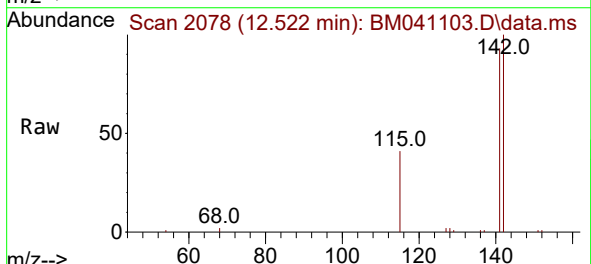
Instrument :
BNA_P
ClientSampleId :
A4733

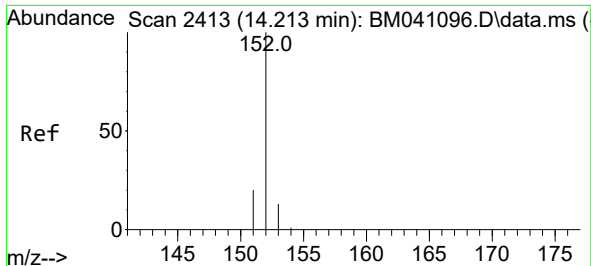
Tgt Ion:142 Resp: 13454
Ion Ratio Lower Upper
142 100
141 87.8 73.3 109.9



#8
1-Methylnaphthalene
Concen: 0.859 ng/ul
RT: 12.522 min Scan# 2078
Delta R.T. -0.006 min
Lab File: BM041103.D
Acq: 25 Jul 2023 13:20

Tgt Ion:142 Resp: 17700
Ion Ratio Lower Upper
142 100
141 92.0 73.6 110.4

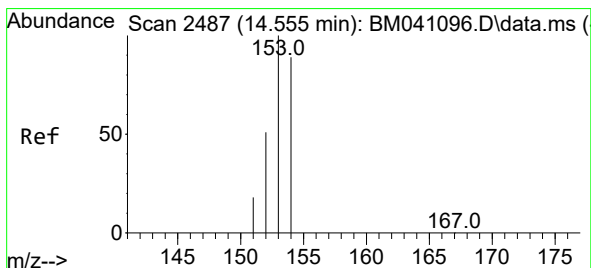
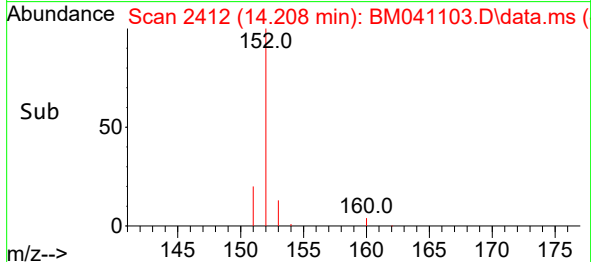
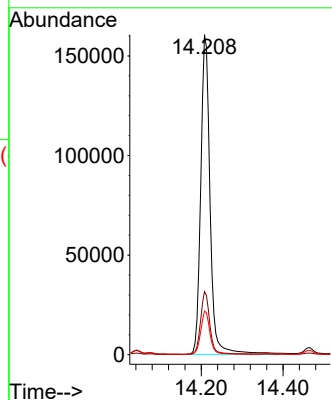
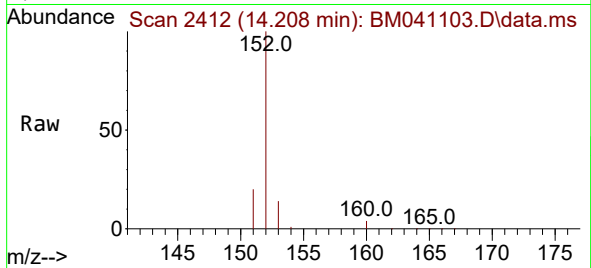




#10
Acenaphthylene
Concen: 8.519 ng/ul
RT: 14.208 min Scan# 2413
Delta R.T. -0.005 min
Lab File: BM041103.D
Acq: 25 Jul 2023 13:20

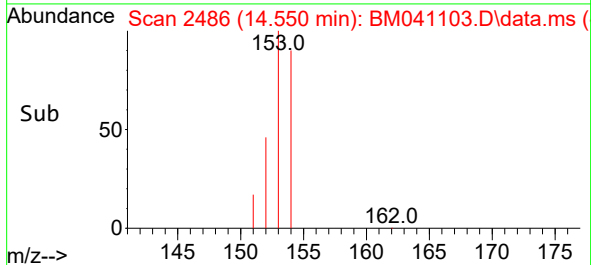
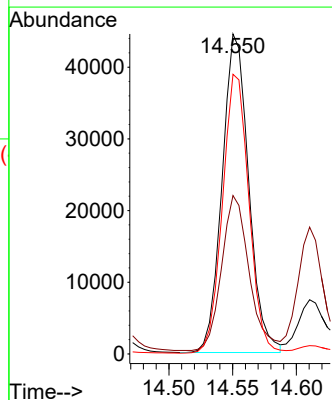
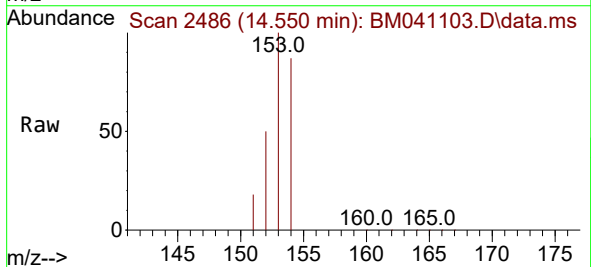
Instrument :
BNA_P
ClientSampleId :
A4733

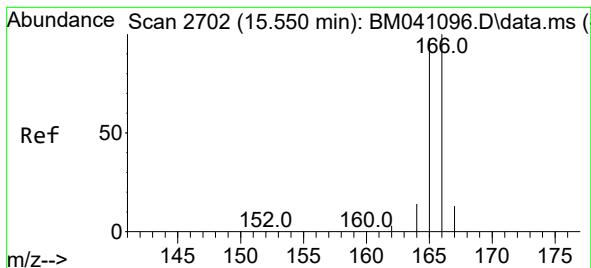
Tgt Ion:152 Resp: 253676
Ion Ratio Lower Upper
152 100
151 19.7 16.8 25.2
153 13.6 11.4 17.2



#11
Acenaphthene
Concen: 2.562 ng/ul
RT: 14.550 min Scan# 2486
Delta R.T. -0.005 min
Lab File: BM041103.D
Acq: 25 Jul 2023 13:20

Tgt Ion:153 Resp: 64371
Ion Ratio Lower Upper
153 100
152 49.5 40.2 60.4
154 87.4 70.3 105.5





#12

Fluorene

Concen: 8.313 ng/ul

RT: 15.545 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM041103.D

Acq: 25 Jul 2023 13:20

Instrument :

BNA_P

ClientSampleId :

A4733

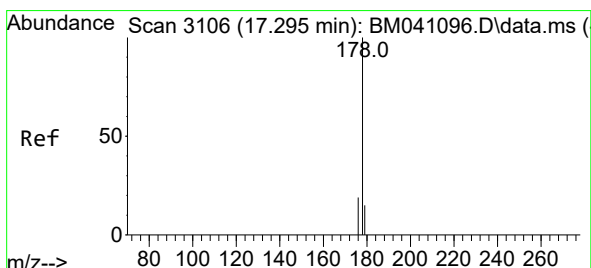
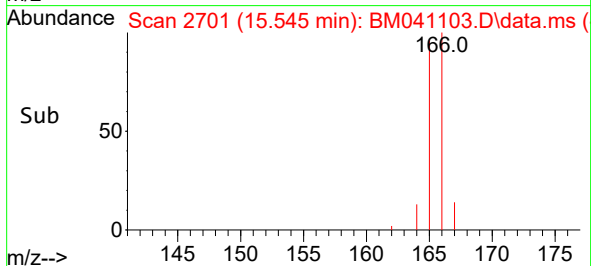
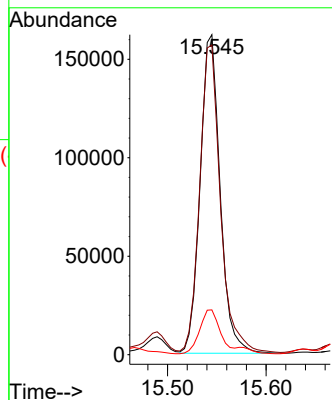
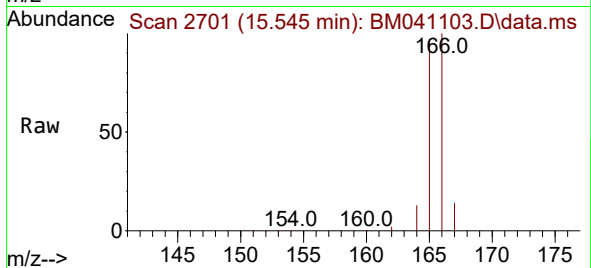
Tgt Ion:166 Resp: 227942

Ion Ratio Lower Upper

166 100

165 96.8 79.4 119.0

167 14.0 11.4 17.2



#15

Phenanthrene

Concen: 61.463 ng/ul

RT: 17.295 min Scan# 3106

Delta R.T. -0.000 min

Lab File: BM041103.D

Acq: 25 Jul 2023 13:20

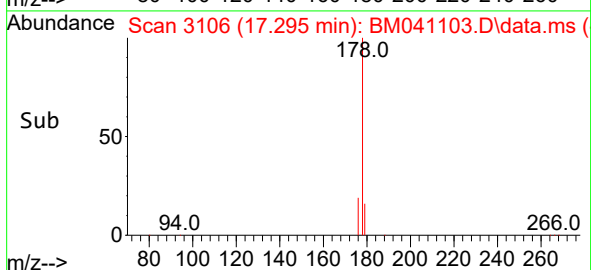
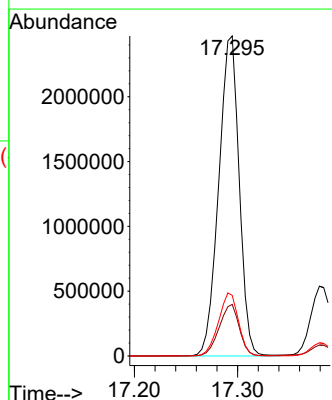
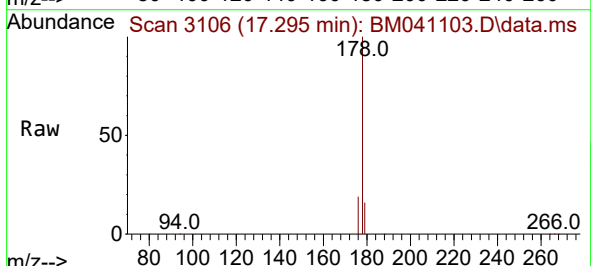
Tgt Ion:178 Resp: 3390780

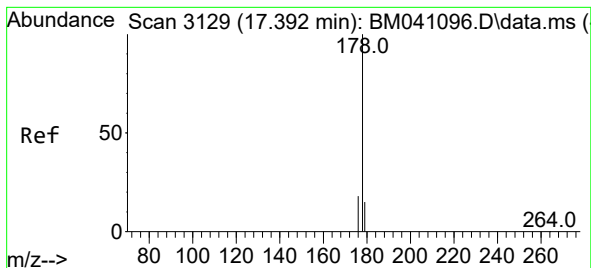
Ion Ratio Lower Upper

178 100

179 16.1 13.4 20.2

176 18.9 16.0 24.0





#16

Anthracene

Concen: 16.990 ng/ul

RT: 17.379 min Scan# 3129

Delta R.T. -0.013 min

Lab File: BM041103.D

Acq: 25 Jul 2023 13:20

Instrument :

BNA_P

ClientSampleId :

A4733

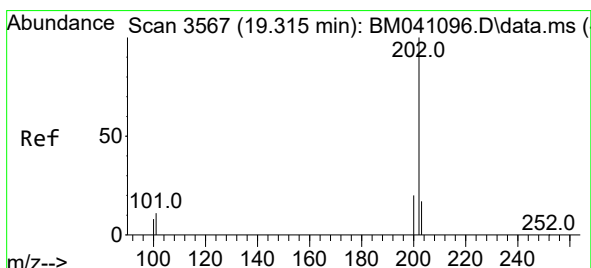
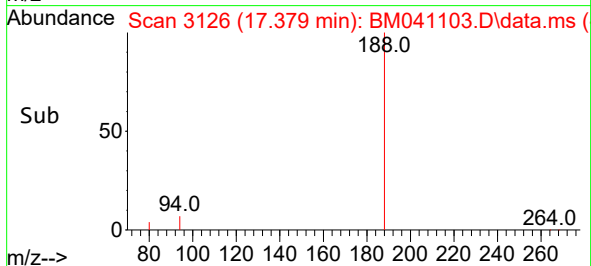
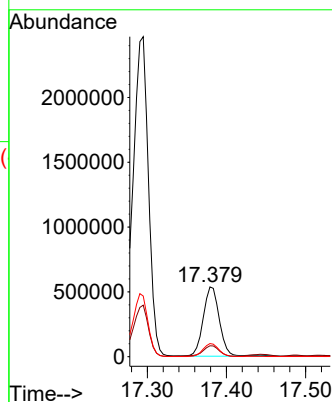
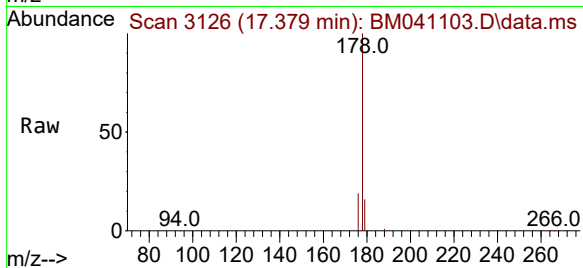
Tgt Ion:178 Resp: 758829

Ion Ratio Lower Upper

178 100

179 15.7 13.6 20.4

176 18.9 16.0 24.0



#19

Fluoranthene

Concen: 90.374 ng/ul

RT: 19.315 min Scan# 3567

Delta R.T. -0.000 min

Lab File: BM041103.D

Acq: 25 Jul 2023 13:20

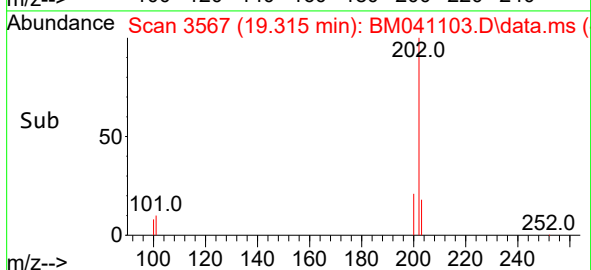
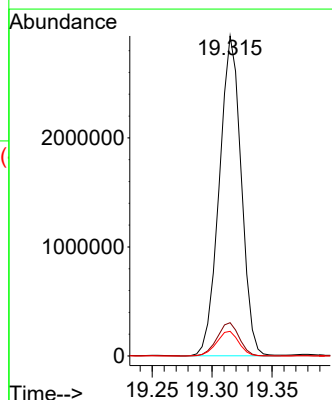
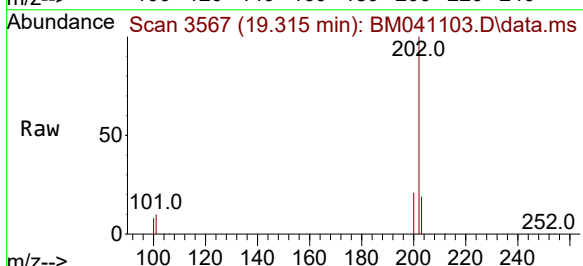
Tgt Ion:202 Resp: 3734901

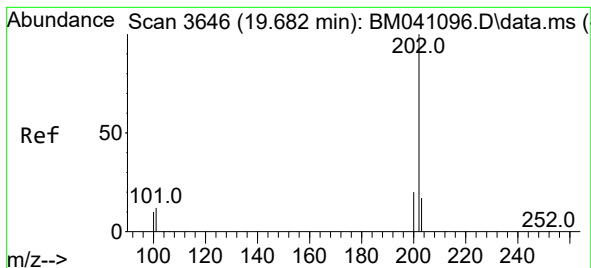
Ion Ratio Lower Upper

202 100

101 10.4 9.4 14.0

100 7.7 7.1 10.7





#20

Pyrene

Concen: 76.195 ng/ul

RT: 19.682 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM041103.D

Acq: 25 Jul 2023 13:20

Instrument :

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ClientSampleId :

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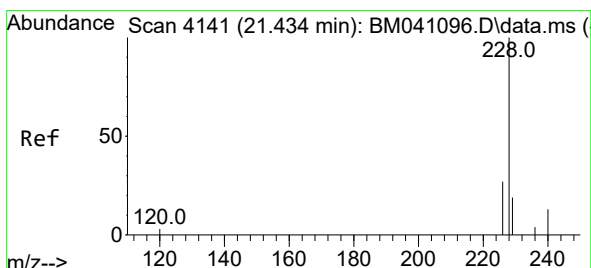
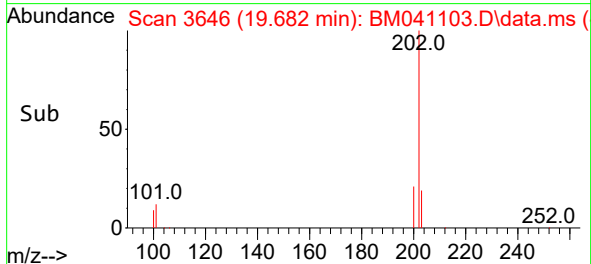
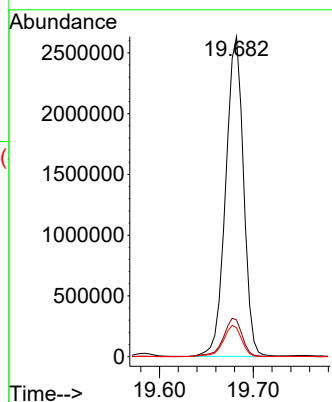
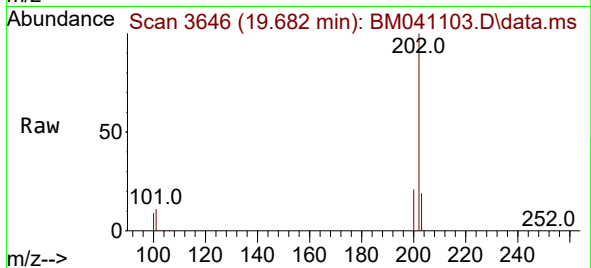
Tgt Ion:202 Resp: 3472080

Ion Ratio Lower Upper

202 100

101 11.5 10.7 16.1

100 9.1 8.5 12.7



#21

Benzo(a)anthracene

Concen: 44.891 ng/ul

RT: 21.433 min Scan# 4141

Delta R.T. -0.000 min

Lab File: BM041103.D

Acq: 25 Jul 2023 13:20

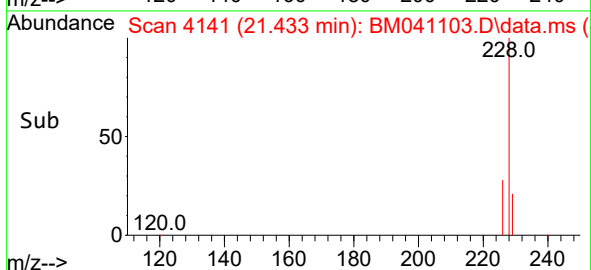
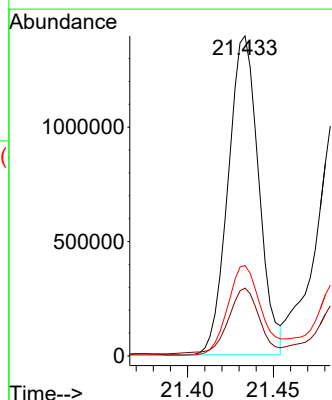
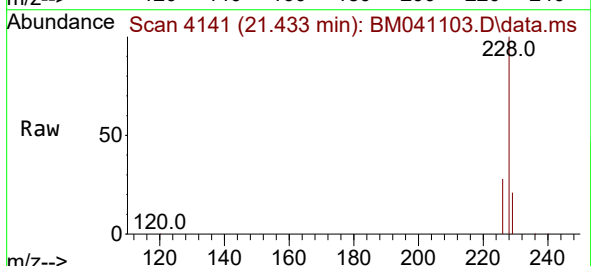
Tgt Ion:228 Resp: 1730552

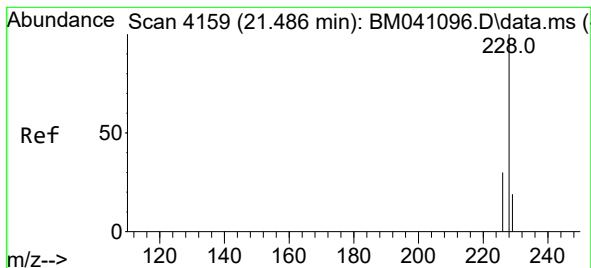
Ion Ratio Lower Upper

228 100

229 21.2 16.5 24.7

226 28.3 22.2 33.2





#22

Chrysene

Concen: 31.313 ng/ul

RT: 21.486 min Scan# 4159

Delta R.T. -0.000 min

Lab File: BM041103.D

Acq: 25 Jul 2023 13:20

Instrument :

BNA_P

ClientSampleId :

A4733

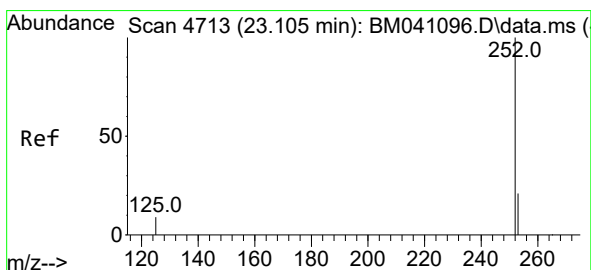
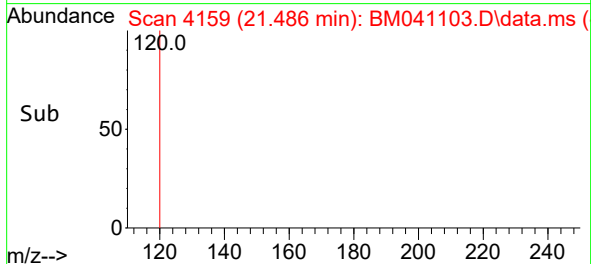
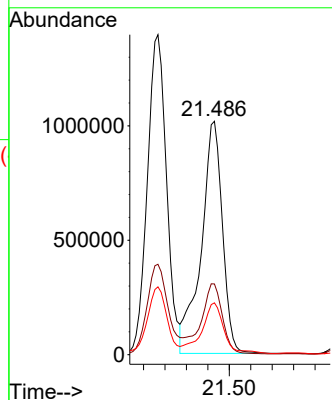
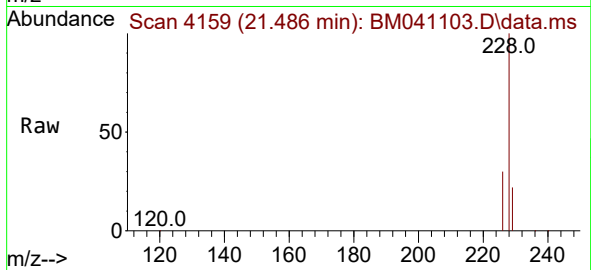
Tgt Ion:228 Resp: 1394131

Ion Ratio Lower Upper

228 100

226 30.3 24.2 36.4

229 22.2 15.9 23.9



#24

Benzo(b)fluoranthene

Concen: 24.922 ng/ul

RT: 23.108 min Scan# 4714

Delta R.T. 0.003 min

Lab File: BM041103.D

Acq: 25 Jul 2023 13:20

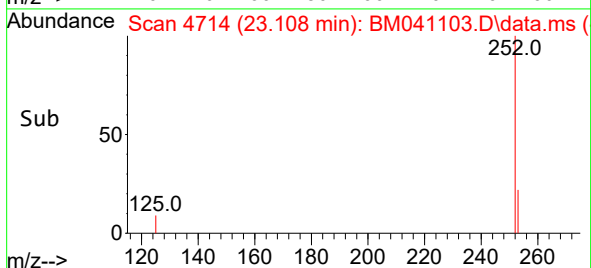
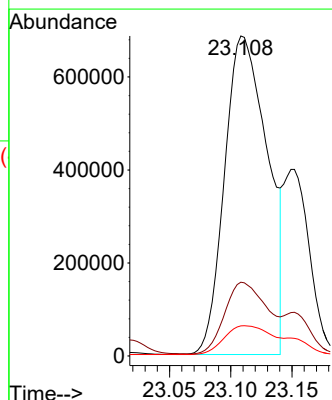
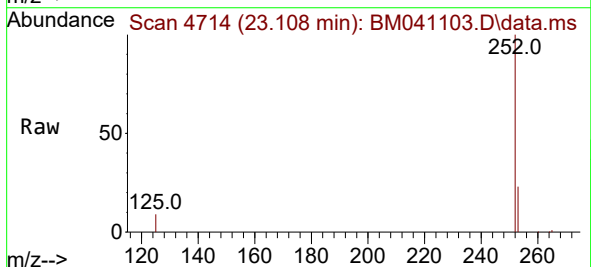
Tgt Ion:252 Resp: 1672731

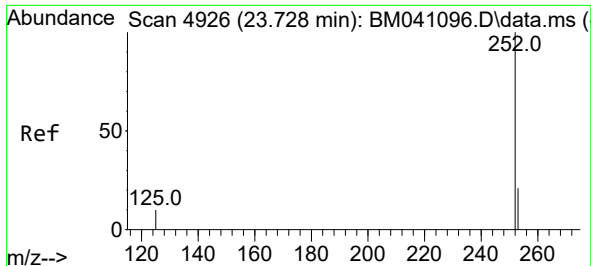
Ion Ratio Lower Upper

252 100

253 23.0 0.0 57.6

125 9.4 0.0 33.6

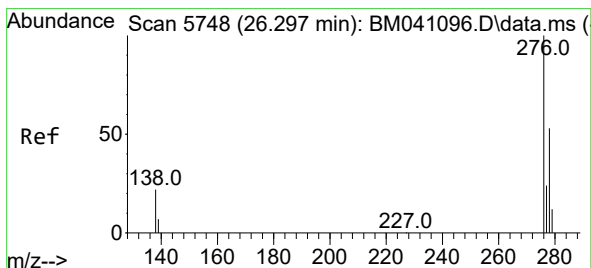
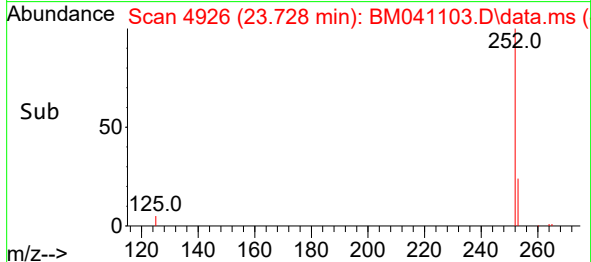
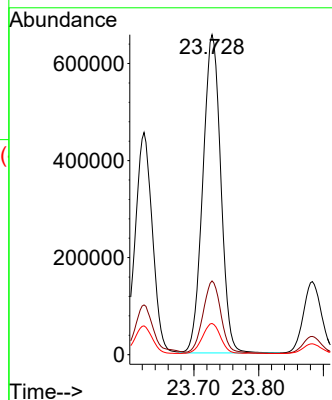
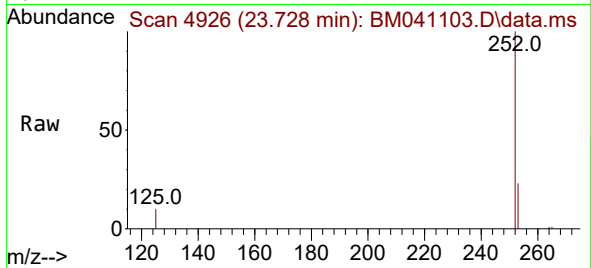




#26
Benzo(a)pyrene
Concen: 23.167 ng/ul
RT: 23.728 min Scan# 4926
Delta R.T. -0.000 min
Lab File: BM041103.D
Acq: 25 Jul 2023 13:20

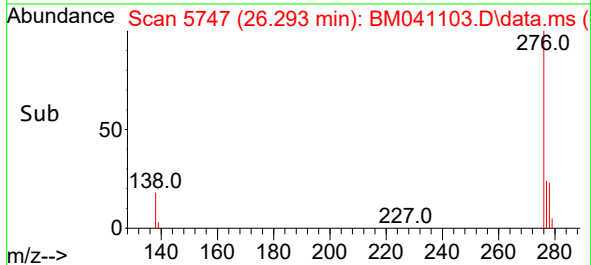
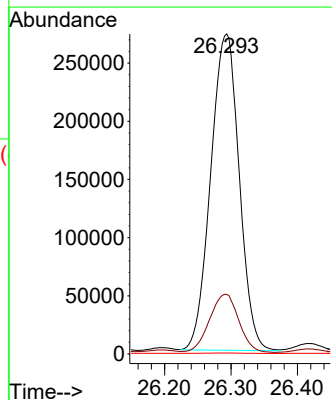
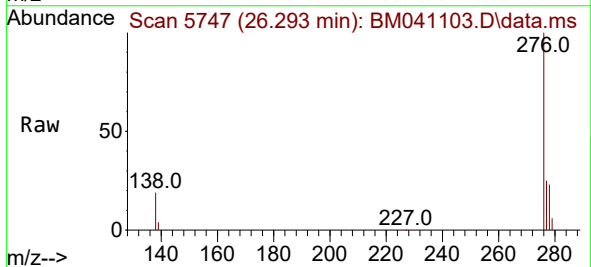
Instrument :
BNA_P
ClientSampleId :
A4733

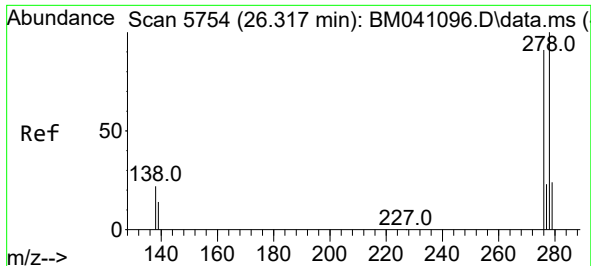
Tgt Ion:252 Resp: 1259604
Ion Ratio Lower Upper
252 100
253 23.1 26.7 40.1#
125 9.7 18.1 27.1#



#27
Indeno(1,2,3-cd)pyrene
Concen: 10.078 ng/ul
RT: 26.293 min Scan# 5747
Delta R.T. -0.004 min
Lab File: BM041103.D
Acq: 25 Jul 2023 13:20

Tgt Ion:276 Resp: 811198
Ion Ratio Lower Upper
276 100
138 18.7 18.1 27.1
227 0.2 0.2 0.2#

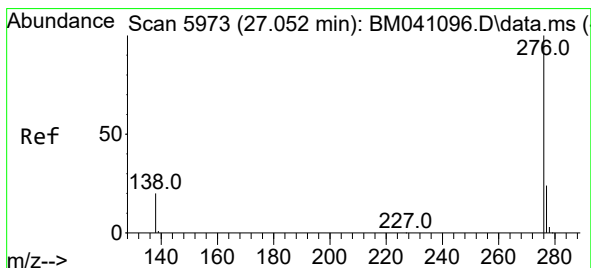
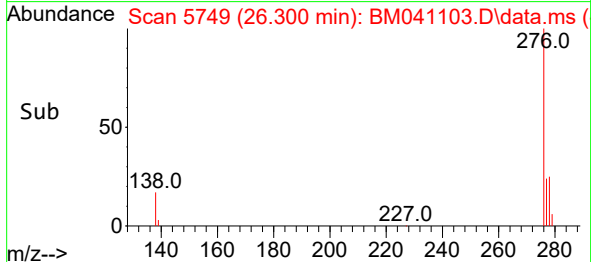
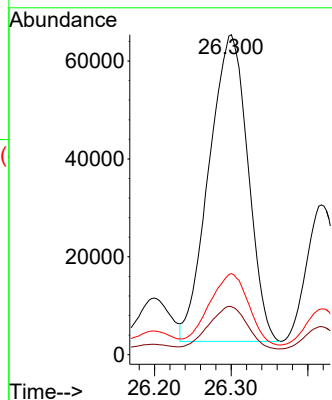
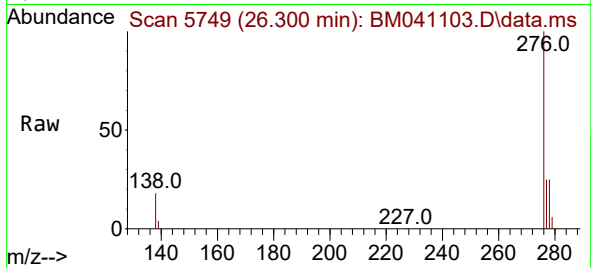




#28
 Dibenzo(a,h)anthracene
 Concen: 3.500 ng/ul
 RT: 26.300 min Scan# 51
 Delta R.T. -0.017 min
 Lab File: BM041103.D
 Acq: 25 Jul 2023 13:20

Instrument :
 BNA_P
 ClientSampleId :
 A4733

Tgt Ion:278 Resp: 220949
 Ion Ratio Lower Upper
 278 100
 139 15.0 14.1 21.1
 279 25.3 25.0 37.4



#29
 Benzo(g,h,i)perylene
 Concen: 9.288 ng/ul
 RT: 27.048 min Scan# 5972
 Delta R.T. -0.004 min
 Lab File: BM041103.D
 Acq: 25 Jul 2023 13:20

Tgt Ion:276 Resp: 668204
 Ion Ratio Lower Upper
 276 100
 138 19.2 18.2 27.2
 277 24.2 20.6 30.8

