

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041115.D
 Acq On : 25 Jul 2023 20:49
 Operator : MA/JU
 Sample : 03534-17DL 5X
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4733DL

Quant Time: Jul 26 04:41:36 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)

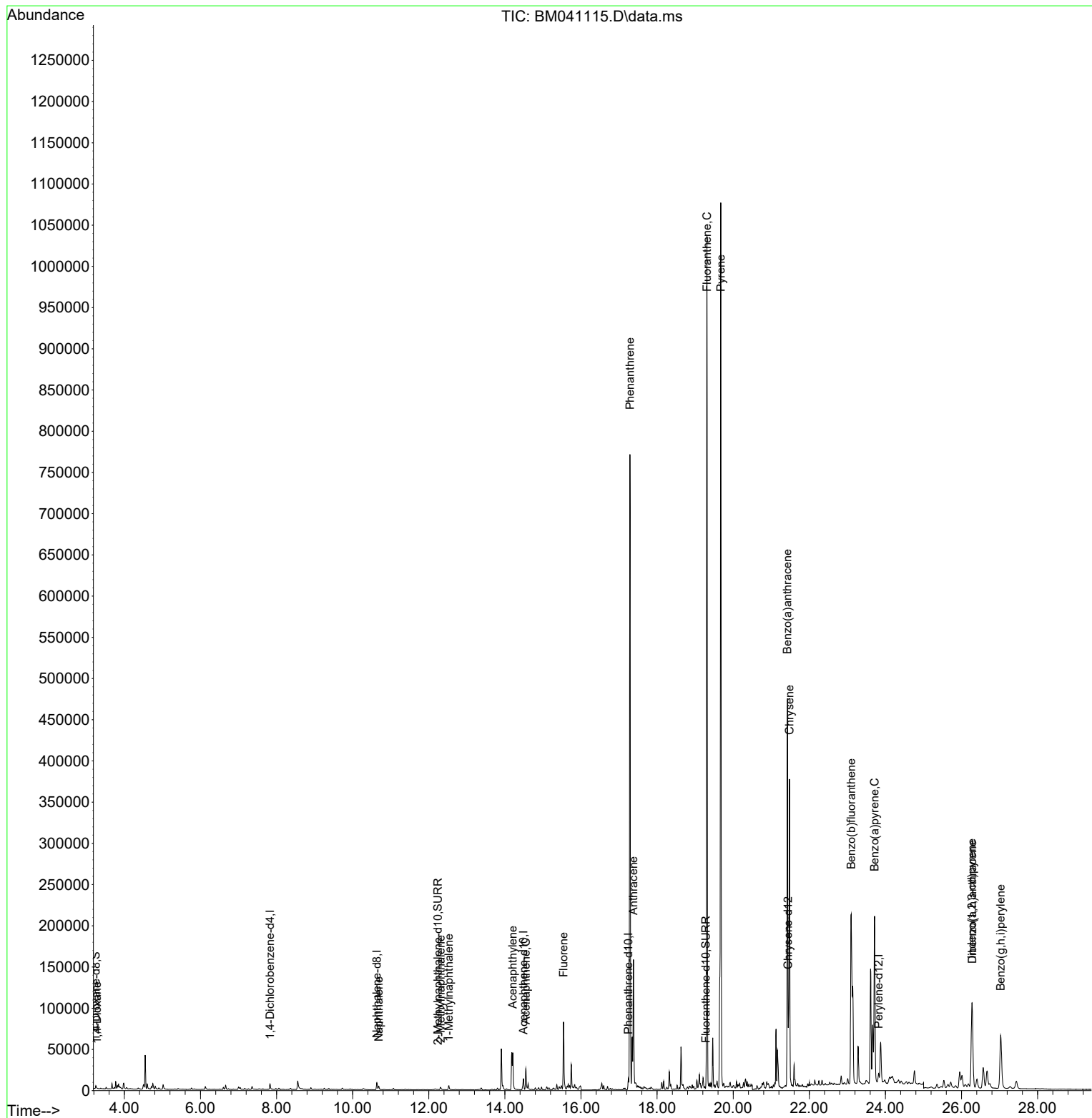
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	3907	0.400	ng/ul	0.00
4) Naphthalene-d8	10.636	136	13351	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.490	164	7248	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.244	188	15932	0.400	ng/ul	0.00
17) Chrysene-d12	21.442	240	12677	0.400	ng/ul	0.00
23) Perylene-d12	23.822	264	16500	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.250	96	2124	0.352	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.236	152	567	0.030	ng/ul	0.00
18) Fluoranthene-d10	19.278	212	1123	0.033	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.280	88	127	0.021	ng/ul#	20
5) Naphthalene	10.686	128	6248	0.144	ng/ul	98
7) 2-Methylnaphthalene	12.313	142	2826	0.133	ng/ul	98
8) 1-Methylnaphthalene	12.528	142	3864	0.177	ng/ul	100
10) Acenaphthylene	14.208	152	54138	1.768	ng/ul	98
11) Acenaphthene	14.550	153	14963	0.579	ng/ul	99
12) Fluorene	15.540	166	52672	1.868	ng/ul	100
15) Phenanthrene	17.286	178	785902	16.003	ng/ul	98
16) Anthracene	17.379	178	167197	4.205	ng/ul	97
19) Fluoranthene	19.310	202	862452	18.982	ng/ul	96
20) Pyrene	19.673	202	876425	17.495	ng/ul	97
21) Benzo(a)anthracene	21.425	228	395799	9.339	ng/ul	100
22) Chrysene	21.477	228	347132	7.092	ng/ul	98
24) Benzo(b)fluoranthene	23.099	252	387788	5.898	ng/ul	88
26) Benzo(a)pyrene	23.713	252	299997	5.633	ng/ul#	79
27) Indeno(1,2,3-cd)pyrene	26.273	276	179410	2.275	ng/ul	93
28) Dibenzo(a,h)anthracene	26.283	278	47447	0.767	ng/ul	94
29) Benzo(g,h,i)perylene	27.028	276	144031	2.044	ng/ul	96

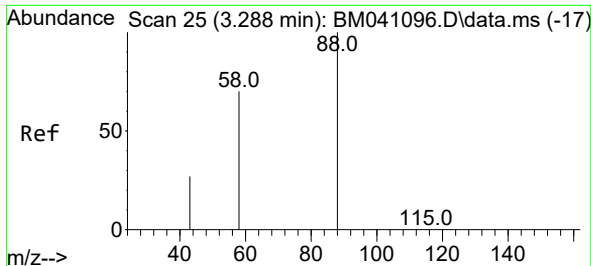
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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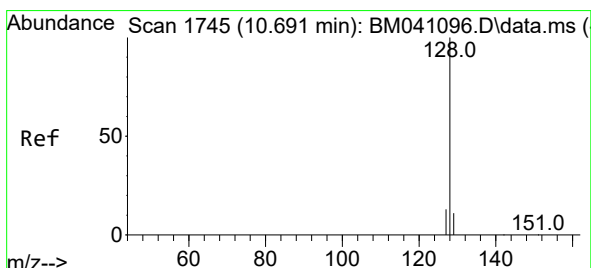
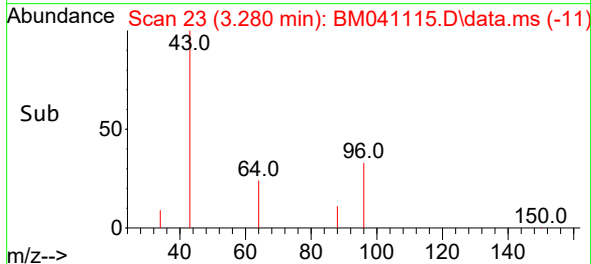
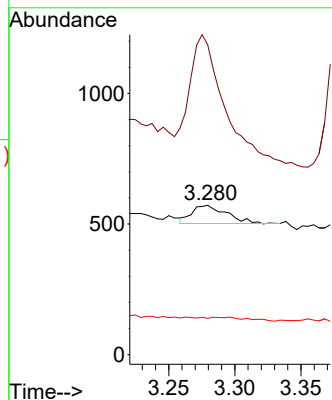
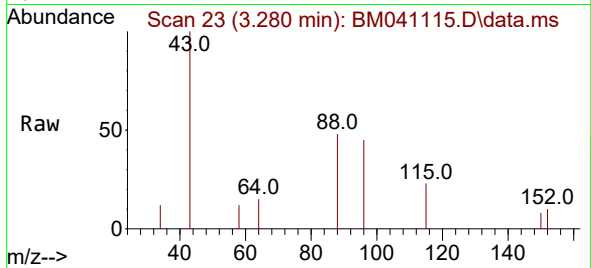




#2
1,4-Dioxane
Concen: 0.021 ng/ul
RT: 3.280 min Scan# 21
Delta R.T. -0.009 min
Lab File: BM041115.D
Acq: 25 Jul 2023 20:49

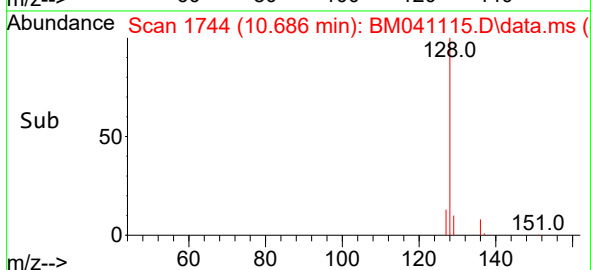
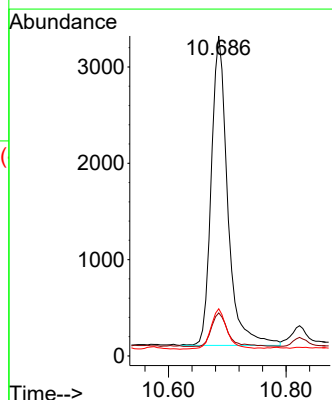
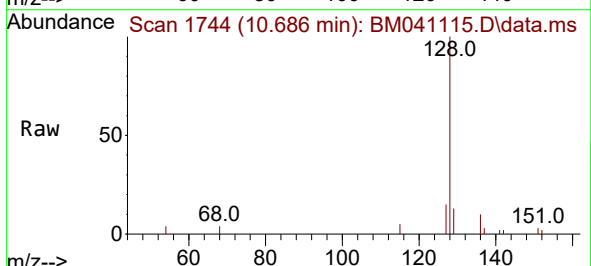
Instrument :
BNA_P
ClientSampleId :
A4733DL

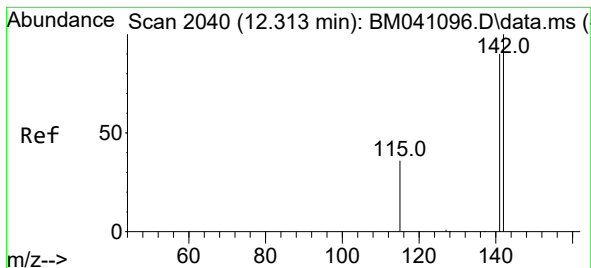
Tgt Ion: 88 Resp: 127
Ion Ratio Lower Upper
88 100
43 207.3 83.1 124.7#
58 24.3 38.8 58.2#



#5
Naphthalene
Concen: 0.144 ng/ul
RT: 10.686 min Scan# 1744
Delta R.T. -0.006 min
Lab File: BM041115.D
Acq: 25 Jul 2023 20:49

Tgt Ion: 128 Resp: 6248
Ion Ratio Lower Upper
128 100
129 13.5 9.8 14.8
127 14.8 11.1 16.7

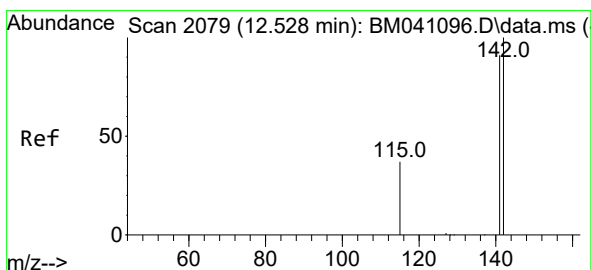
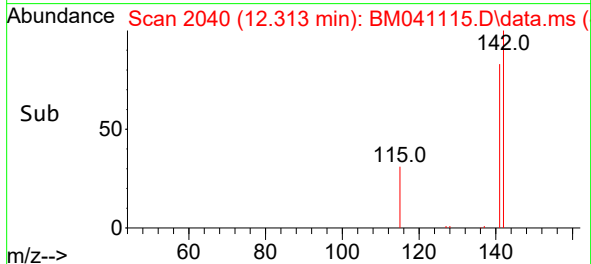
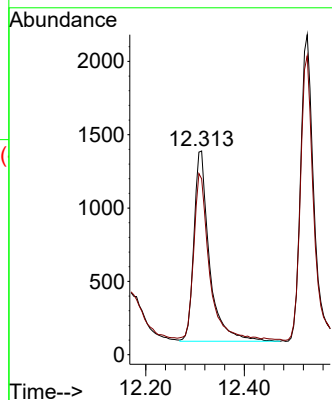
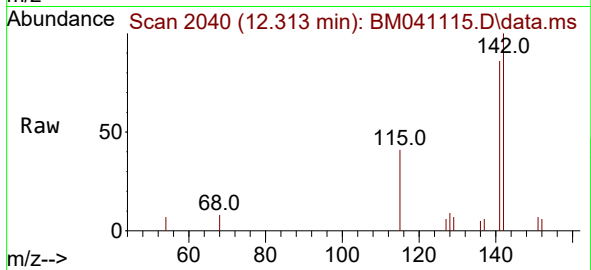




#7
2-Methylnaphthalene
Concen: 0.133 ng/ul
RT: 12.313 min Scan# 2040
Delta R.T. -0.000 min
Lab File: BM041115.D
Acq: 25 Jul 2023 20:49

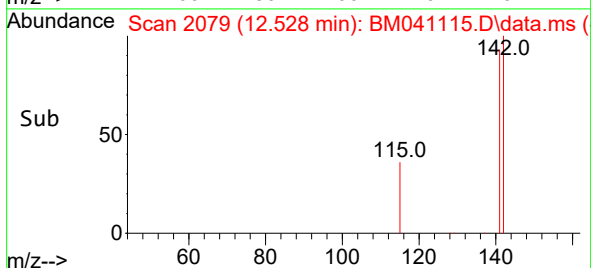
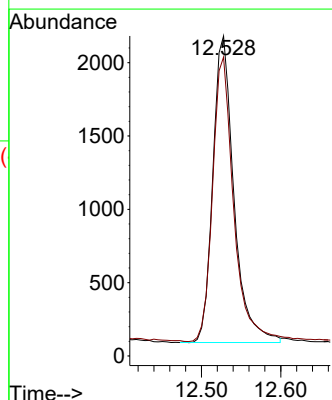
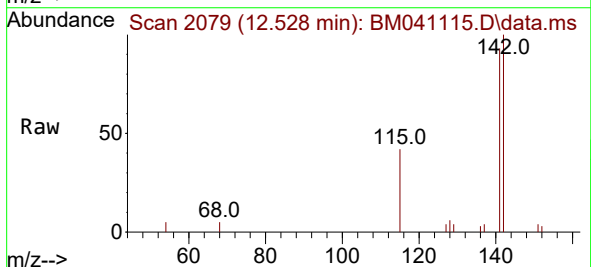
Instrument :
BNA_P
ClientSampleId :
A4733DL

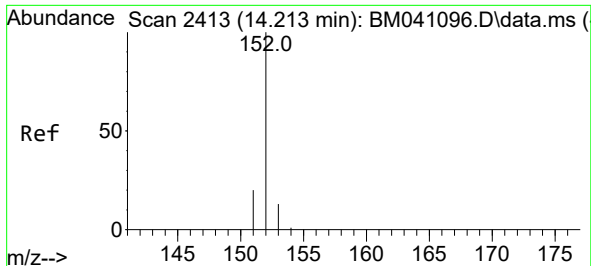
Tgt Ion:142 Resp: 2826
Ion Ratio Lower Upper
142 100
141 89.5 73.3 109.9



#8
1-Methylnaphthalene
Concen: 0.177 ng/ul
RT: 12.528 min Scan# 2079
Delta R.T. -0.000 min
Lab File: BM041115.D
Acq: 25 Jul 2023 20:49

Tgt Ion:142 Resp: 3864
Ion Ratio Lower Upper
142 100
141 92.4 73.6 110.4

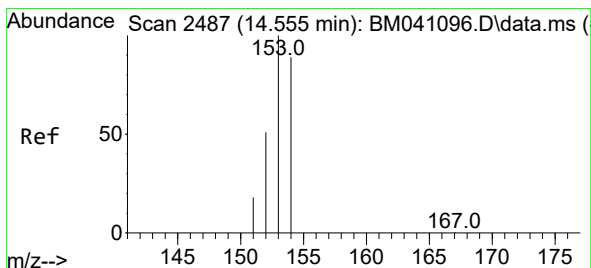
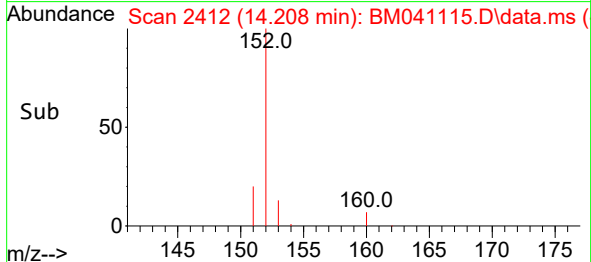
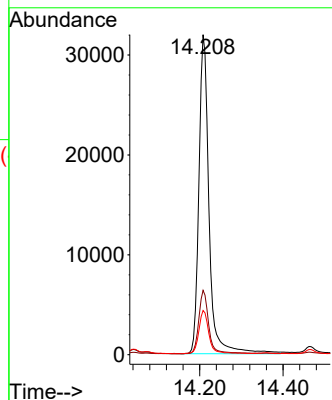
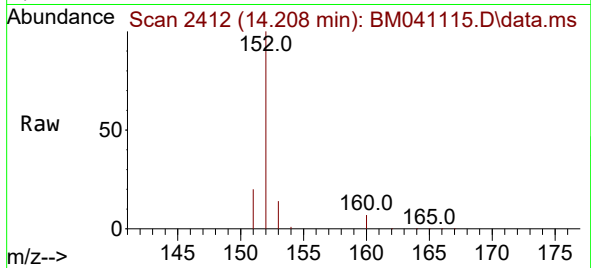




#10
Acenaphthylene
Concen: 1.768 ng/ul
RT: 14.208 min Scan# 2412
Delta R.T. -0.005 min
Lab File: BM041115.D
Acq: 25 Jul 2023 20:49

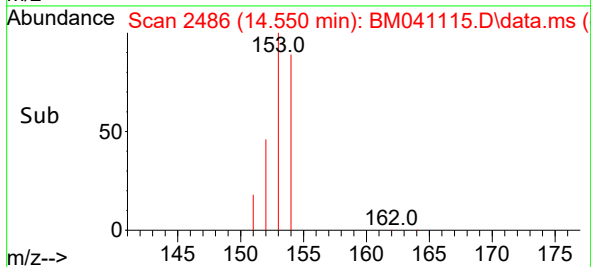
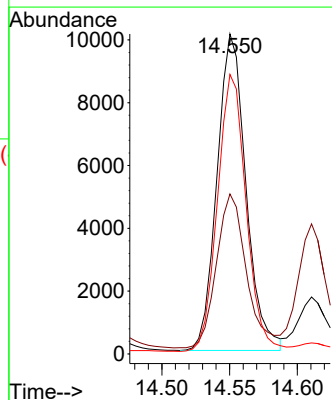
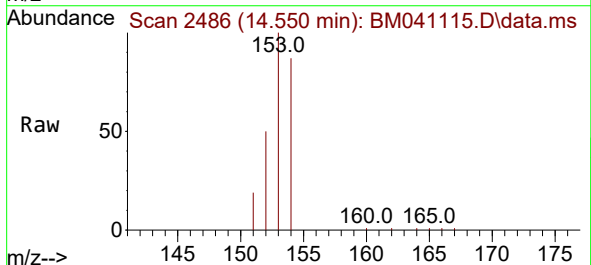
Instrument :
BNA_P
ClientSampleId :
A4733DL

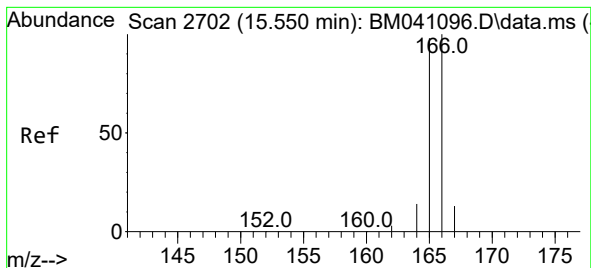
Tgt Ion:152 Resp: 54138
Ion Ratio Lower Upper
152 100
151 20.1 16.8 25.2
153 13.8 11.4 17.2



#11
Acenaphthene
Concen: 0.579 ng/ul
RT: 14.550 min Scan# 2486
Delta R.T. -0.005 min
Lab File: BM041115.D
Acq: 25 Jul 2023 20:49

Tgt Ion:153 Resp: 14963
Ion Ratio Lower Upper
153 100
152 50.0 40.2 60.4
154 87.4 70.3 105.5





#12

Fluorene

Concen: 1.868 ng/ul

RT: 15.540 min Scan# 21

Delta R.T. -0.009 min

Lab File: BM041115.D

Acq: 25 Jul 2023 20:49

Instrument :

BNA_P

ClientSampleId :

A4733DL

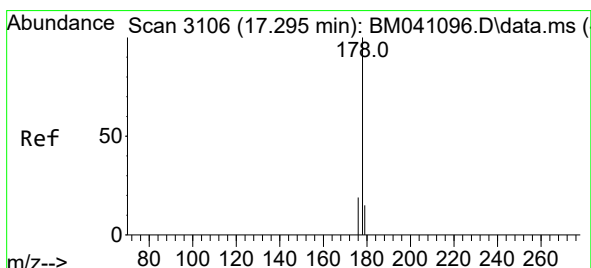
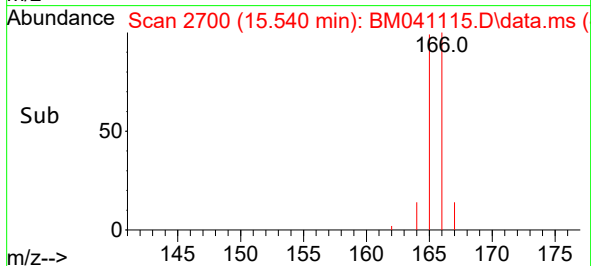
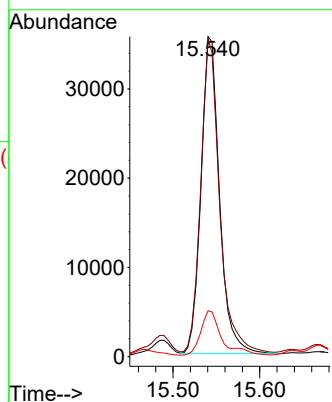
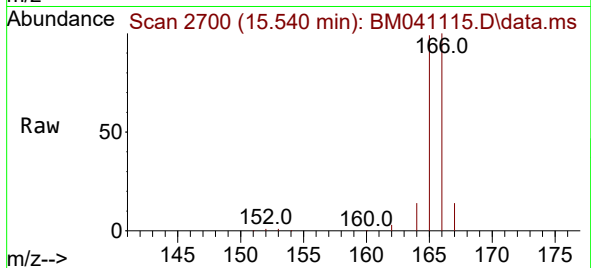
Tgt Ion:166 Resp: 52672

Ion Ratio Lower Upper

166 100

165 99.2 79.4 119.0

167 14.3 11.4 17.2



#15

Phenanthrene

Concen: 16.003 ng/ul

RT: 17.286 min Scan# 3104

Delta R.T. -0.009 min

Lab File: BM041115.D

Acq: 25 Jul 2023 20:49

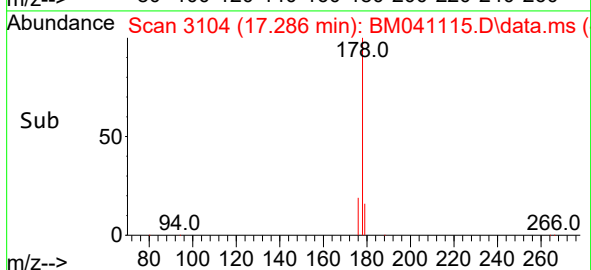
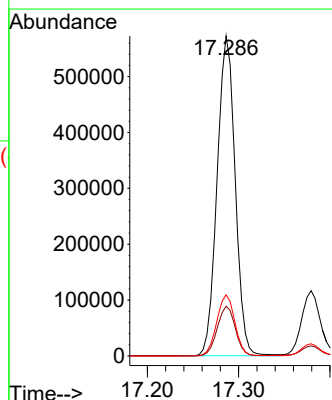
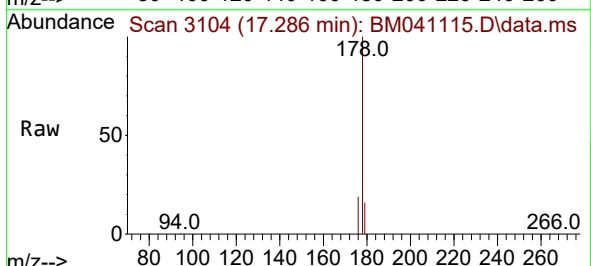
Tgt Ion:178 Resp: 785902

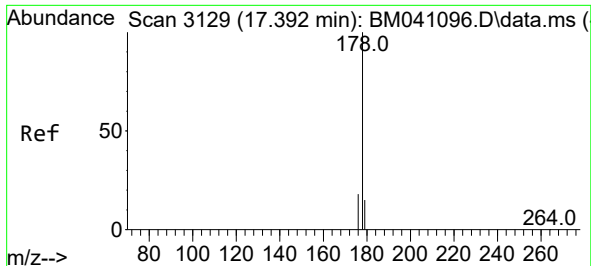
Ion Ratio Lower Upper

178 100

179 15.6 13.4 20.2

176 19.1 16.0 24.0

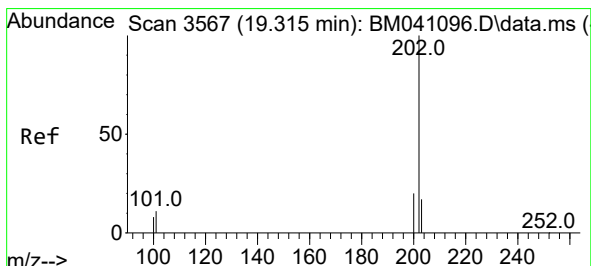
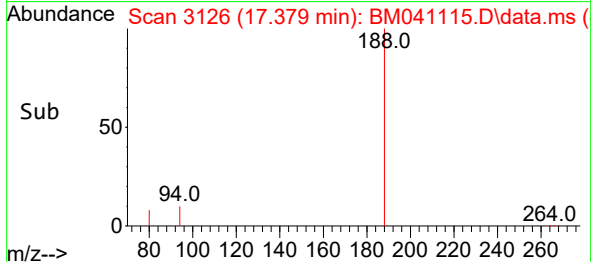
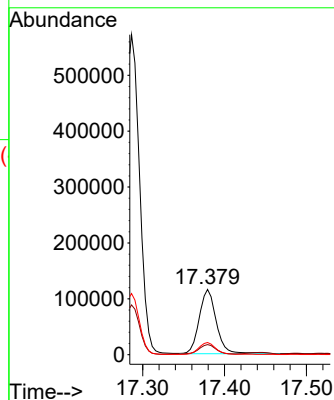
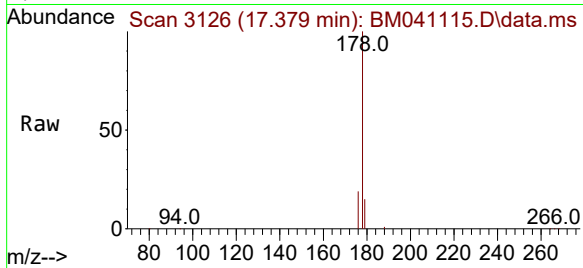




#16
 Anthracene
 Concen: 4.205 ng/ul
 RT: 17.379 min Scan# 3126
 Delta R.T. -0.013 min
 Lab File: BM041115.D
 Acq: 25 Jul 2023 20:49

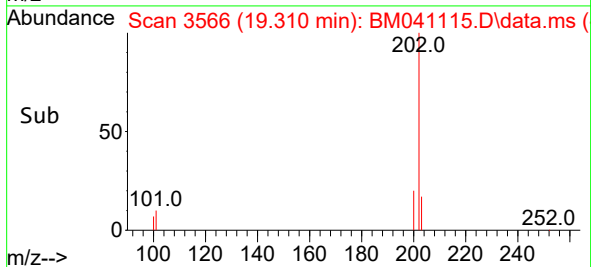
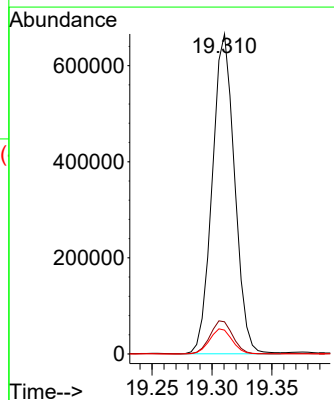
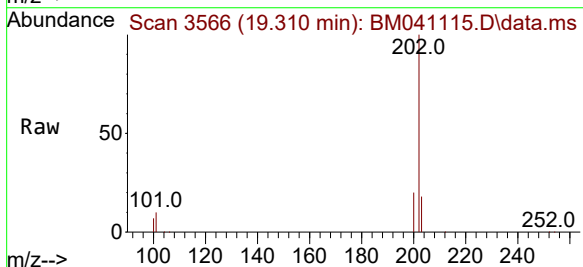
Instrument :
 BNA_P
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 A4733DL

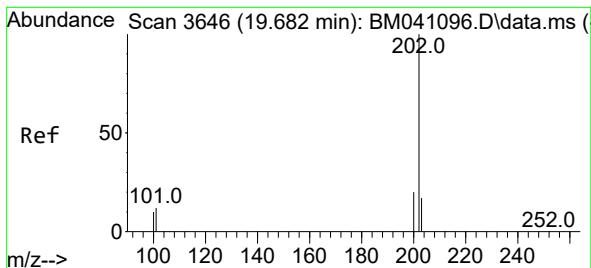
Tgt Ion:178 Resp: 167197
 Ion Ratio Lower Upper
 178 100
 179 15.5 13.6 20.4
 176 18.6 16.0 24.0



#19
 Fluoranthene
 Concen: 18.982 ng/ul
 RT: 19.310 min Scan# 3566
 Delta R.T. -0.005 min
 Lab File: BM041115.D
 Acq: 25 Jul 2023 20:49

Tgt Ion:202 Resp: 862452
 Ion Ratio Lower Upper
 202 100
 101 10.0 9.4 14.0
 100 7.4 7.1 10.7





#20

Pyrene

Concen: 17.495 ng/ul

RT: 19.673 min Scan# 3

Delta R.T. -0.009 min

Lab File: BM041115.D

Acq: 25 Jul 2023 20:49

Instrument :

BNA_P

ClientSampleId :

A4733DL

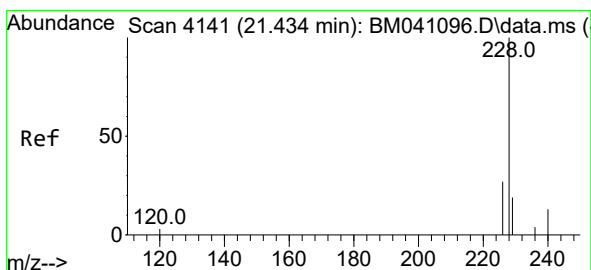
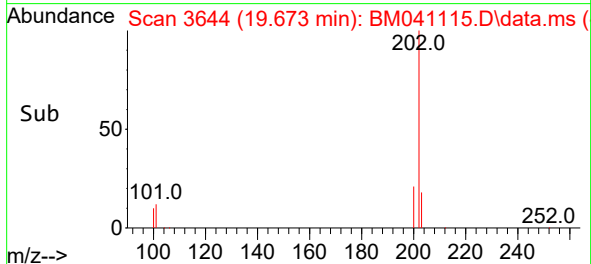
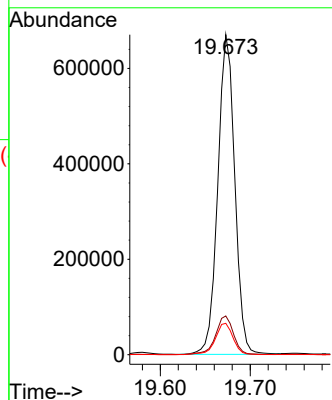
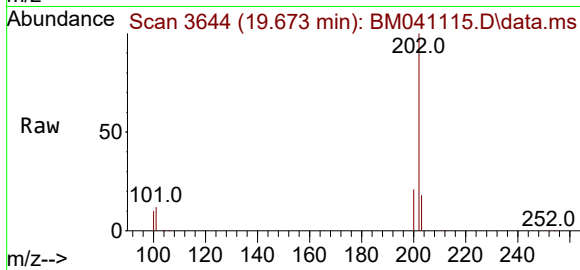
Tgt Ion:202 Resp: 876425

Ion Ratio Lower Upper

202 100

101 12.1 10.7 16.1

100 9.8 8.5 12.7



#21

Benzo(a)anthracene

Concen: 9.339 ng/ul

RT: 21.425 min Scan# 4138

Delta R.T. -0.009 min

Lab File: BM041115.D

Acq: 25 Jul 2023 20:49

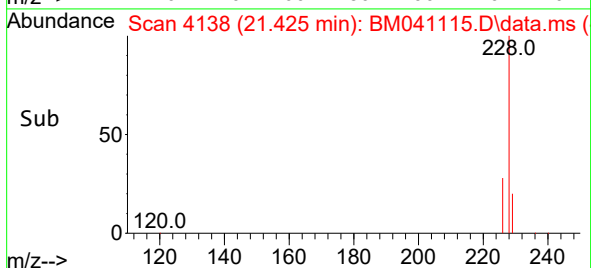
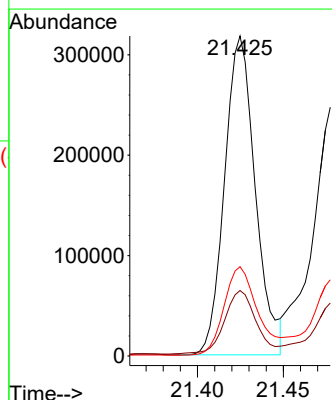
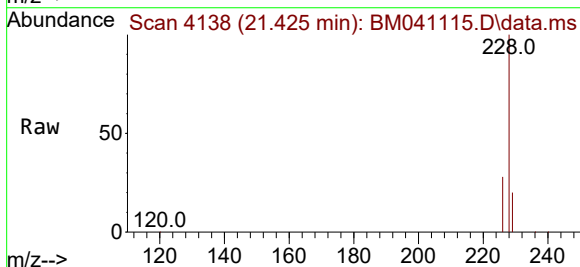
Tgt Ion:228 Resp: 395799

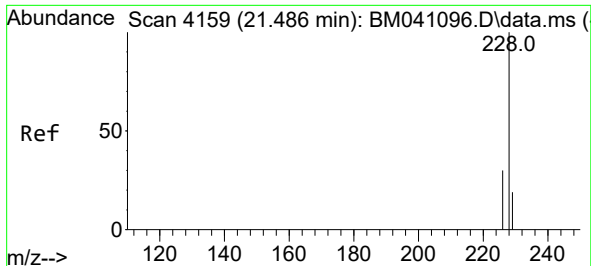
Ion Ratio Lower Upper

228 100

229 20.5 16.5 24.7

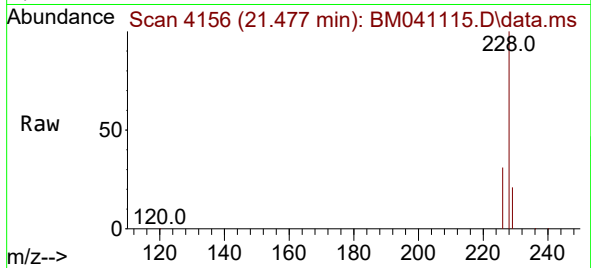
226 27.9 22.2 33.2



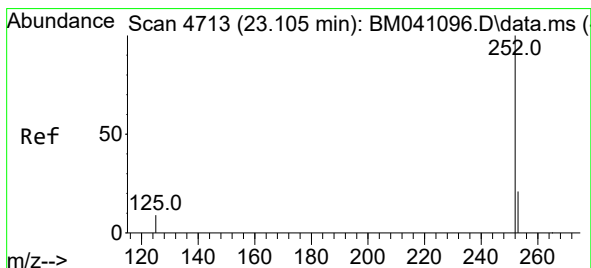
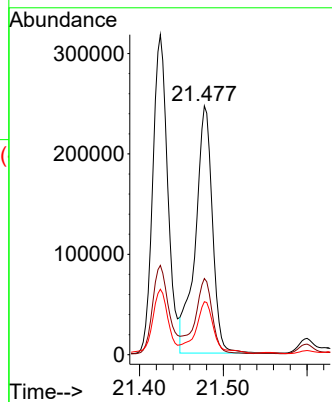
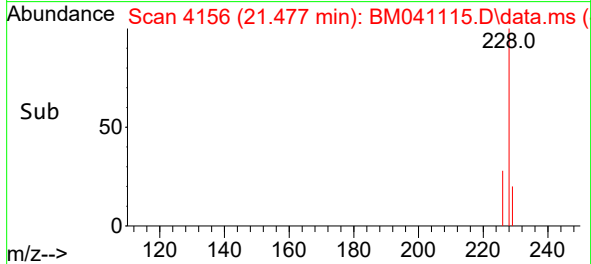


#22
Chrysene
Concen: 7.092 ng/ul
RT: 21.477 min Scan# 4156
Delta R.T. -0.009 min
Lab File: BM041115.D
Acq: 25 Jul 2023 20:49

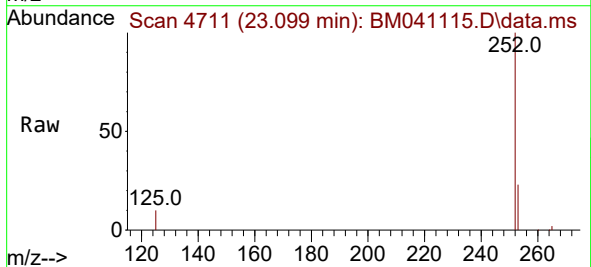
Instrument :
BNA_P
ClientSampleId :
A4733DL



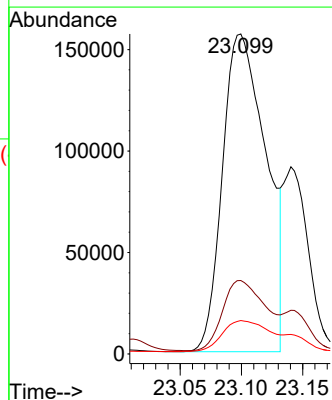
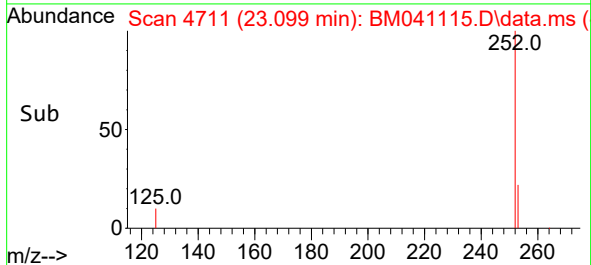
Tgt Ion:228 Resp: 347132
Ion Ratio Lower Upper
228 100
226 30.6 24.2 36.4
229 21.3 15.9 23.9

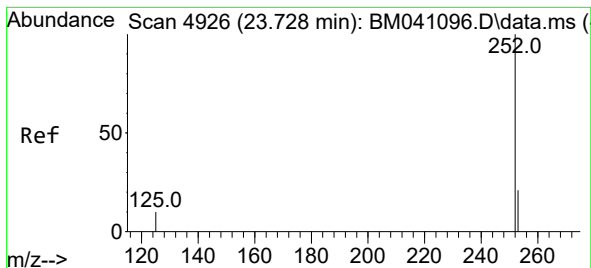


#24
Benzo(b)fluoranthene
Concen: 5.898 ng/ul
RT: 23.099 min Scan# 4711
Delta R.T. -0.006 min
Lab File: BM041115.D
Acq: 25 Jul 2023 20:49



Tgt Ion:252 Resp: 387788
Ion Ratio Lower Upper
252 100
253 23.0 0.0 57.6
125 10.4 0.0 33.6





#26

Benzo(a)pyrene

Concen: 5.633 ng/ul

RT: 23.713 min Scan# 4921

Delta R.T. -0.015 min

Lab File: BM041115.D

Acq: 25 Jul 2023 20:49

Instrument :

BNA_P

ClientSampleId :

A4733DL

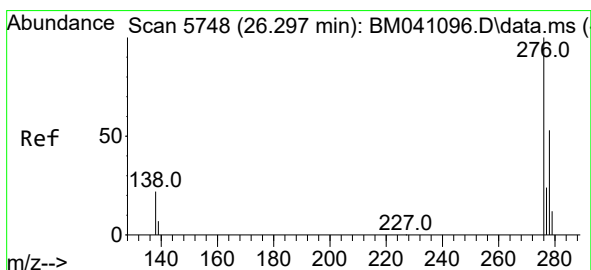
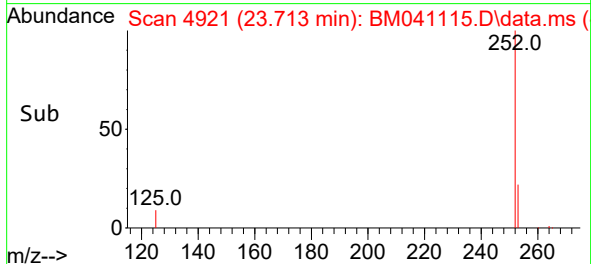
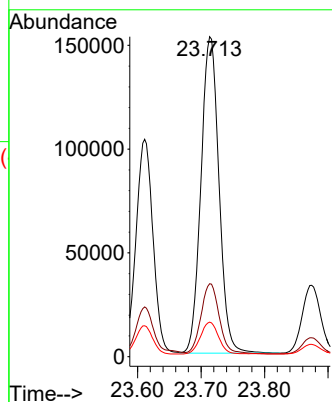
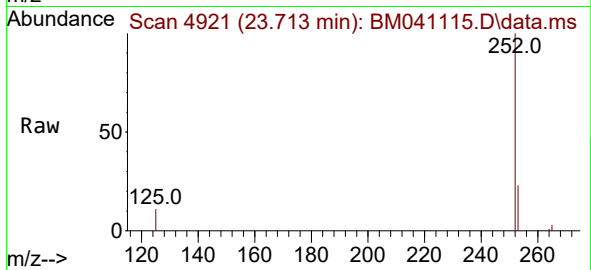
Tgt Ion:252 Resp: 299997

Ion Ratio Lower Upper

252 100

253 22.8 26.7 40.1#

125 10.8 18.1 27.1#



#27

Indeno(1,2,3-cd)pyrene

Concen: 2.275 ng/ul

RT: 26.273 min Scan# 5741

Delta R.T. -0.024 min

Lab File: BM041115.D

Acq: 25 Jul 2023 20:49

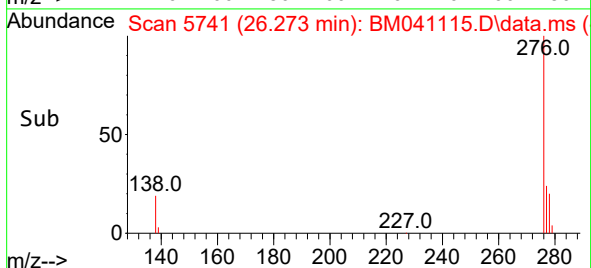
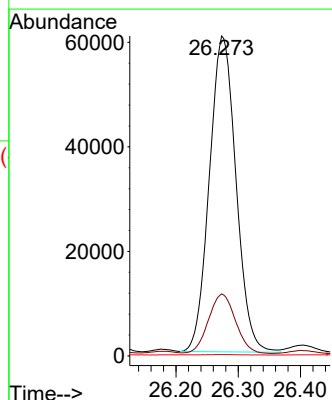
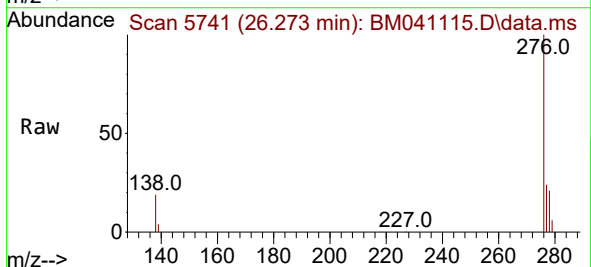
Tgt Ion:276 Resp: 179410

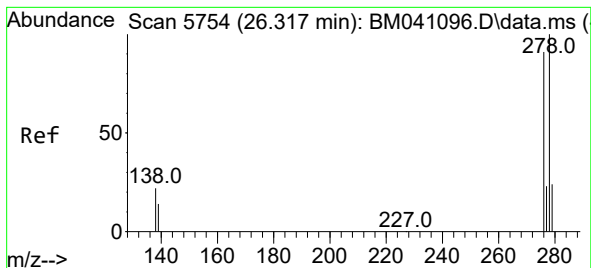
Ion Ratio Lower Upper

276 100

138 19.2 18.1 27.1

227 0.2 0.2 0.2





#28

Dibenzo(a,h)anthracene

Concen: 0.767 ng/ul

RT: 26.283 min Scan# 51

Delta R.T. -0.034 min

Lab File: BM041115.D

Acq: 25 Jul 2023 20:49

Instrument :

BNA_P

ClientSampleId :

A4733DL

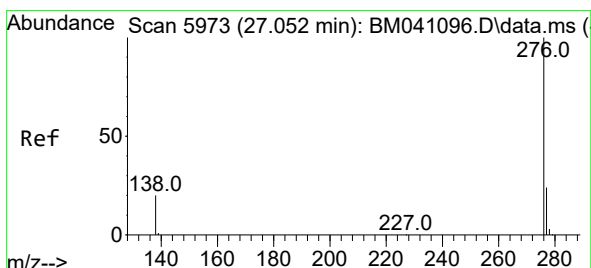
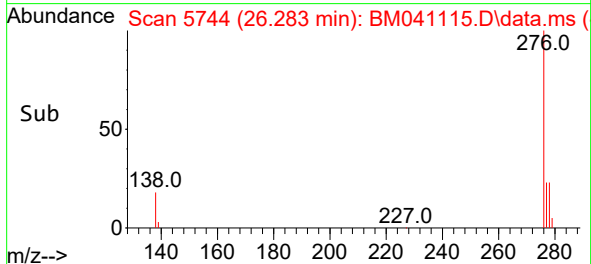
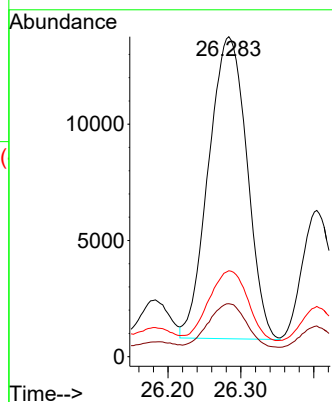
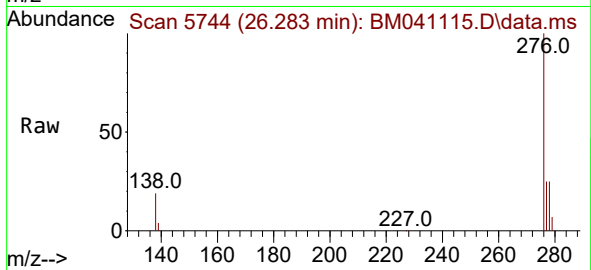
Tgt Ion:278 Resp: 47447

Ion Ratio Lower Upper

278 100

139 16.5 14.1 21.1

279 26.8 25.0 37.4



#29

Benzo(g,h,i)perylene

Concen: 2.044 ng/ul

RT: 27.028 min Scan# 5966

Delta R.T. -0.024 min

Lab File: BM041115.D

Acq: 25 Jul 2023 20:49

Tgt Ion:276 Resp: 144031

Ion Ratio Lower Upper

276 100

138 19.8 18.2 27.2

277 24.2 20.6 30.8

