

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041113.D
 Acq On : 25 Jul 2023 19:34
 Operator : MA/JU
 Sample : 03534-13DL 5X
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4725DL

Quant Time: Jul 26 04:41:18 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)

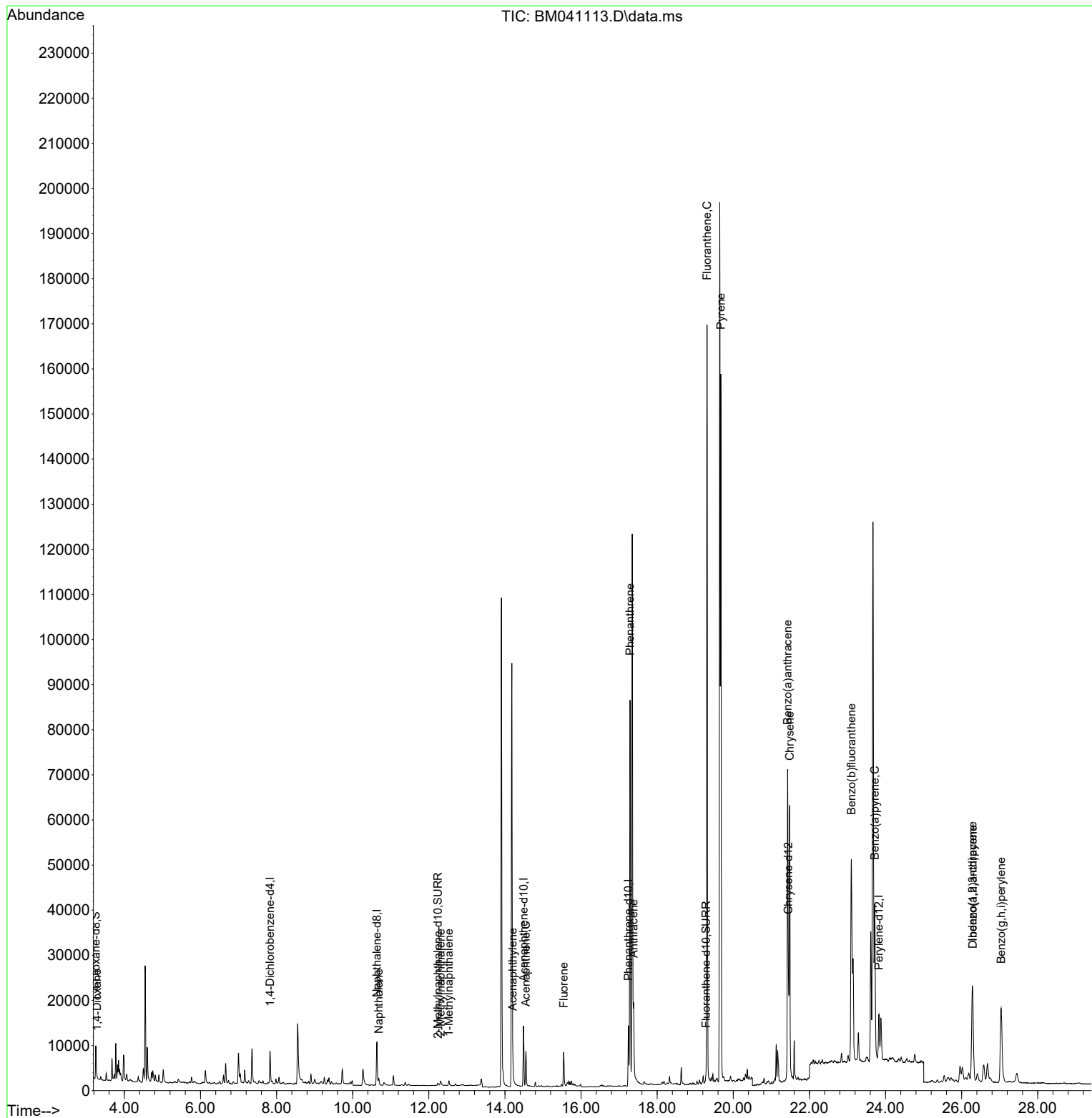
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	4109	0.400	ng/ul	0.00
4) Naphthalene-d8	10.636	136	14466	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.490	164	7576	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.244	188	15709	0.400	ng/ul	0.00
17) Chrysene-d12	21.445	240	12943	0.400	ng/ul	0.00
23) Perylene-d12	23.827	264	13577	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.250	96	4294	0.677	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.236	152	1053	0.051	ng/ul	0.00
18) Fluoranthene-d10	19.283	212	2133	0.061	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.280	88	178	0.027	ng/ul#	22
5) Naphthalene	10.686	128	2117	0.045	ng/ul#	88
7) 2-Methylnaphthalene	12.313	142	1060	0.046	ng/ul	95
8) 1-Methylnaphthalene	12.528	142	851	0.036	ng/ul	98
10) Acenaphthylene	14.208	152	3259	0.102	ng/ul	93
11) Acenaphthene	14.550	153	4614	0.171	ng/ul	100
12) Fluorene	15.545	166	5027	0.171	ng/ul#	99
15) Phenanthrene	17.286	178	89201	1.842	ng/ul	98
16) Anthracene	17.379	178	17071	0.435	ng/ul	98
19) Fluoranthene	19.310	202	143192	3.087	ng/ul	97
20) Pyrene	19.673	202	127394	2.491	ng/ul	98
21) Benzo(a)anthracene	21.428	228	57174	1.321	ng/ul	99
22) Chrysene	21.480	228	59892	1.198	ng/ul	98
24) Benzo(b)fluoranthene	23.102	252	78191	1.445	ng/ul	93
26) Benzo(a)pyrene	23.716	252	48939	1.117	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	26.283	276	38918	0.600	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.294	278	9060	0.178	ng/ul#	86
29) Benzo(g,h,i)perylene	27.038	276	37801	0.652	ng/ul	99

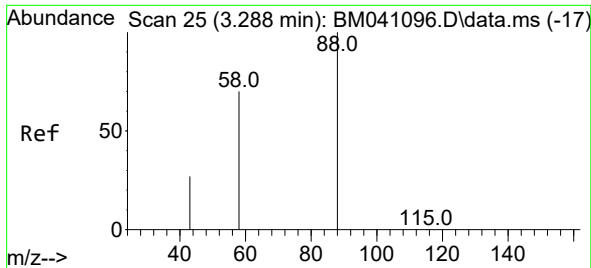
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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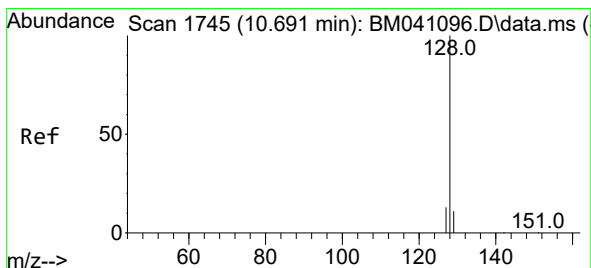
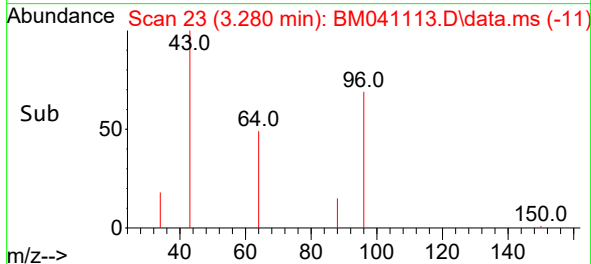
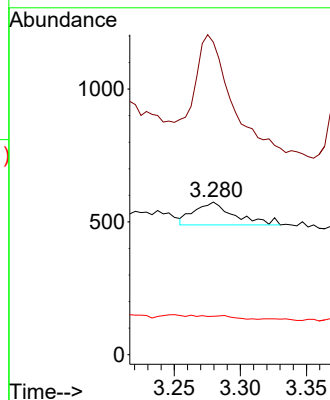
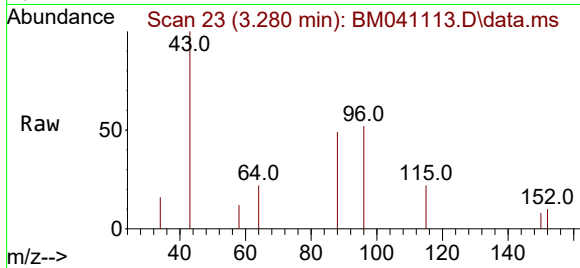




#2
1,4-Dioxane
Concen: 0.027 ng/ul
RT: 3.280 min Scan# 21
Delta R.T. -0.009 min
Lab File: BM041113.D
Acq: 25 Jul 2023 19:34

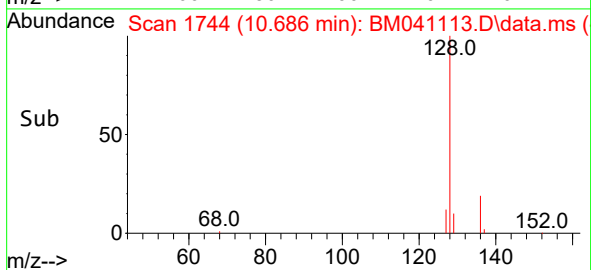
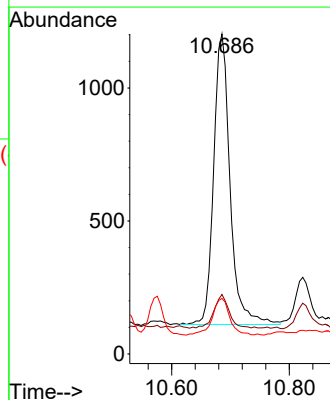
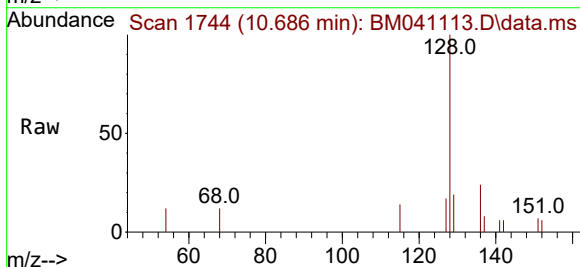
Instrument :
BNA_P
ClientSampleId :
A4725DL

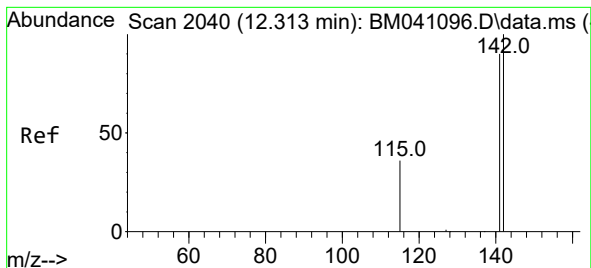
Tgt Ion: 88 Resp: 178
Ion Ratio Lower Upper
88 100
43 204.7 83.1 124.7#
58 25.2 38.8 58.2#



#5
Naphthalene
Concen: 0.045 ng/ul
RT: 10.686 min Scan# 1744
Delta R.T. -0.006 min
Lab File: BM041113.D
Acq: 25 Jul 2023 19:34

Tgt Ion: 128 Resp: 2117
Ion Ratio Lower Upper
128 100
129 18.6 9.8 14.8#
127 17.4 11.1 16.7#

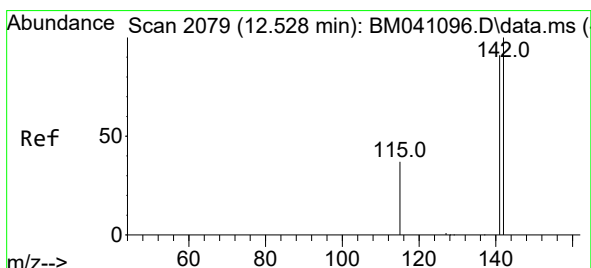
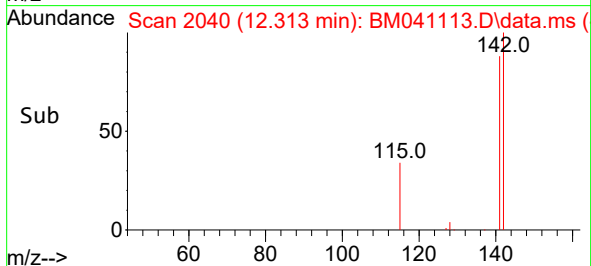
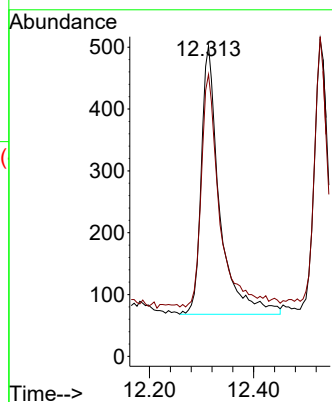
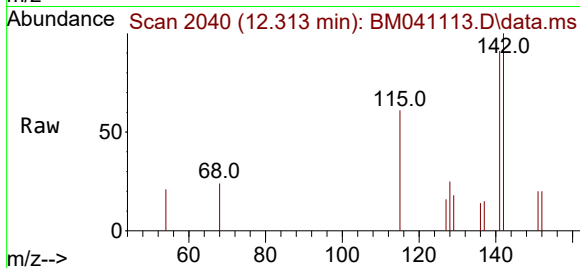




#7
2-Methylnaphthalene
Concen: 0.046 ng/ul
RT: 12.313 min Scan# 2040
Delta R.T. -0.000 min
Lab File: BM041113.D
Acq: 25 Jul 2023 19:34

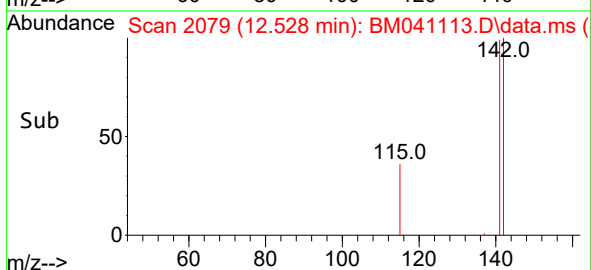
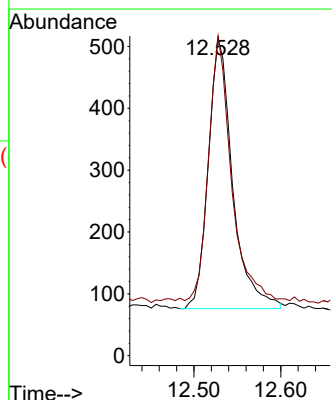
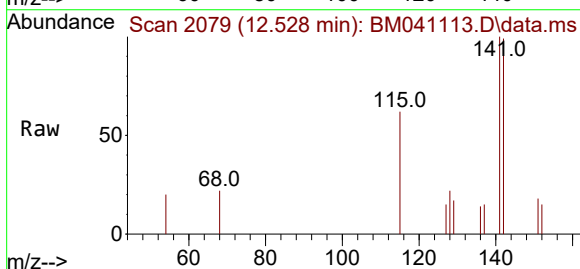
Instrument :
BNA_P
ClientSampleId :
A4725DL

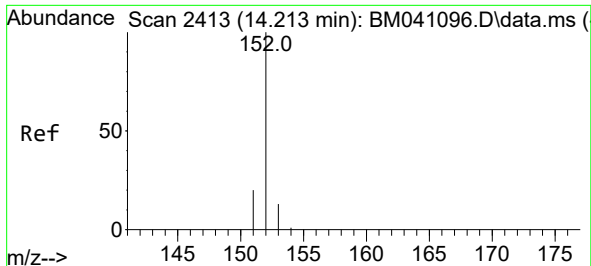
Tgt Ion:142 Resp: 1060
Ion Ratio Lower Upper
142 100
141 87.1 73.3 109.9



#8
1-Methylnaphthalene
Concen: 0.036 ng/ul
RT: 12.528 min Scan# 2079
Delta R.T. -0.000 min
Lab File: BM041113.D
Acq: 25 Jul 2023 19:34

Tgt Ion:142 Resp: 851
Ion Ratio Lower Upper
142 100
141 90.5 73.6 110.4

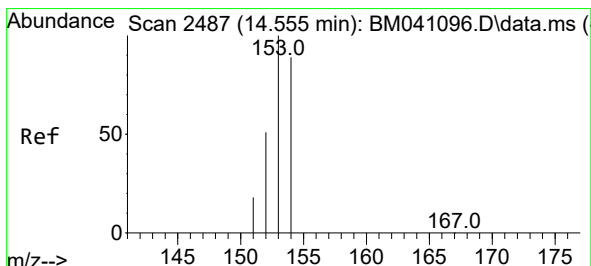
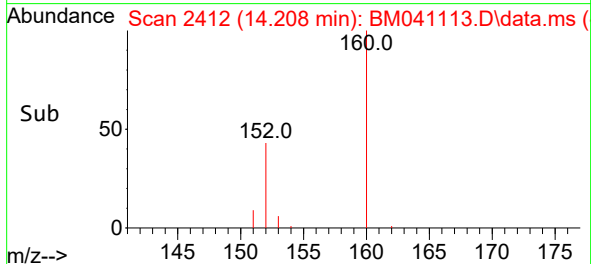
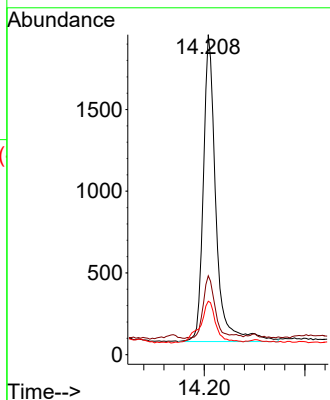
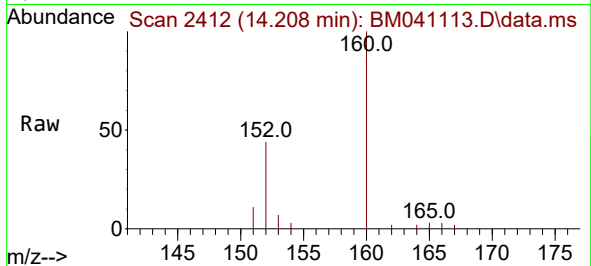




#10
Acenaphthylene
Concen: 0.102 ng/ul
RT: 14.208 min Scan# 2412
Delta R.T. -0.005 min
Lab File: BM041113.D
Acq: 25 Jul 2023 19:34

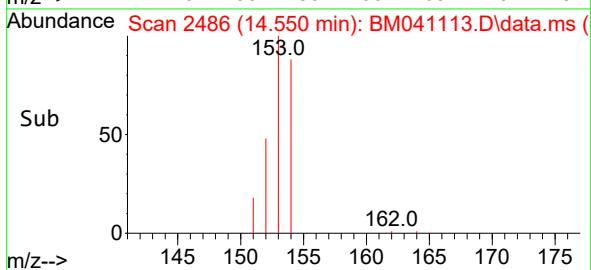
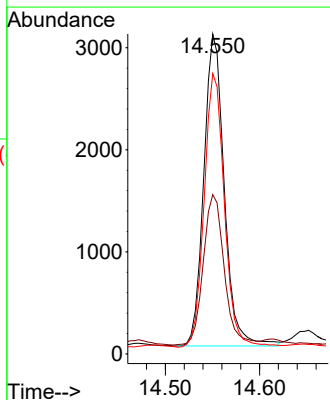
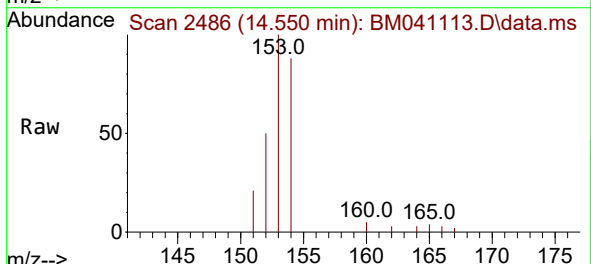
Instrument :
BNA_P
ClientSampleId :
A4725DL

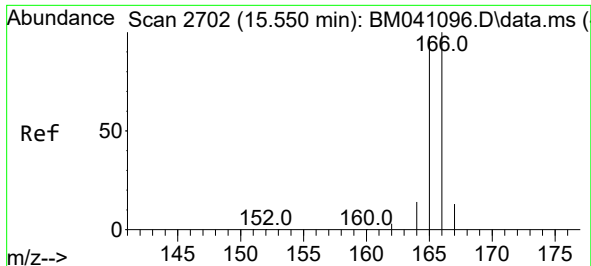
Tgt Ion:152 Resp: 3259
Ion Ratio Lower Upper
152 100
151 24.6 16.8 25.2
153 16.7 11.4 17.2



#11
Acenaphthene
Concen: 0.171 ng/ul
RT: 14.550 min Scan# 2486
Delta R.T. -0.005 min
Lab File: BM041113.D
Acq: 25 Jul 2023 19:34

Tgt Ion:153 Resp: 4614
Ion Ratio Lower Upper
153 100
152 49.8 40.2 60.4
154 87.6 70.3 105.5

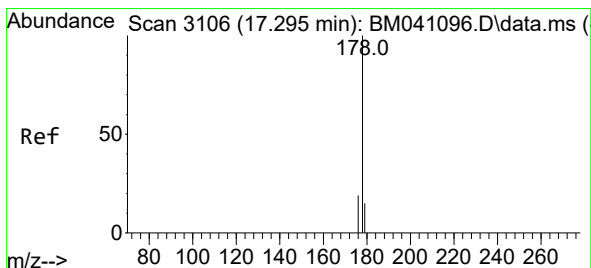
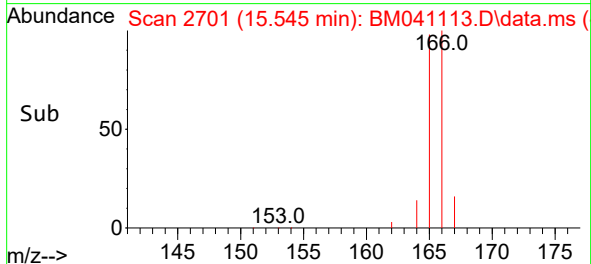
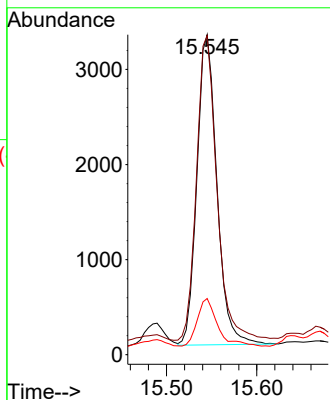
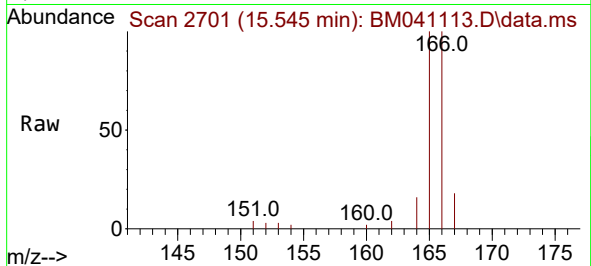




#12
Fluorene
Concen: 0.171 ng/ul
RT: 15.545 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM041113.D
Acq: 25 Jul 2023 19:34

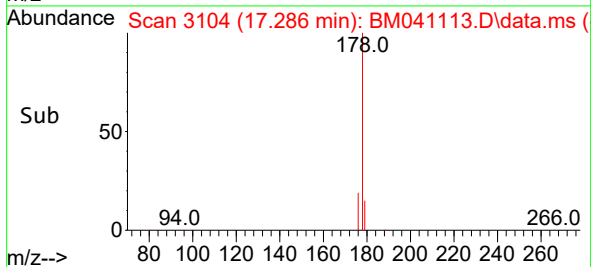
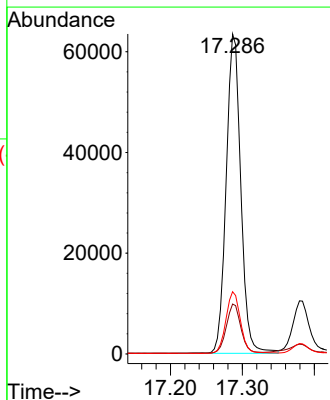
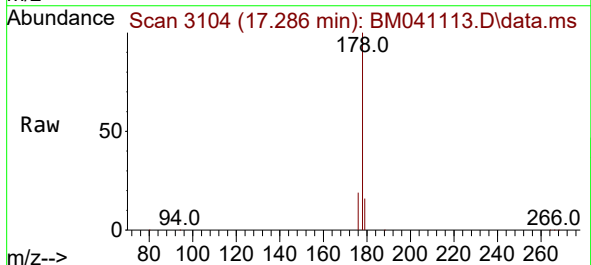
Instrument :
BNA_P
ClientSampleId :
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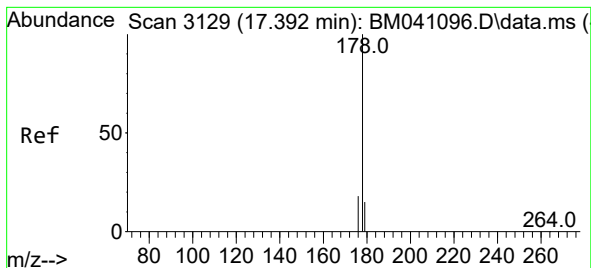
Tgt Ion:166 Resp: 5027
Ion Ratio Lower Upper
166 100
165 99.7 79.4 119.0
167 17.6 11.4 17.2#



#15
Phenanthrene
Concen: 1.842 ng/ul
RT: 17.286 min Scan# 3104
Delta R.T. -0.009 min
Lab File: BM041113.D
Acq: 25 Jul 2023 19:34

Tgt Ion:178 Resp: 89201
Ion Ratio Lower Upper
178 100
179 15.6 13.4 20.2
176 19.5 16.0 24.0





#16

Anthracene

Concen: 0.435 ng/ul

RT: 17.379 min Scan# 31

Delta R.T. -0.013 min

Lab File: BM041113.D

Acq: 25 Jul 2023 19:34

Instrument :

BNA_P

ClientSampleId :

A4725DL

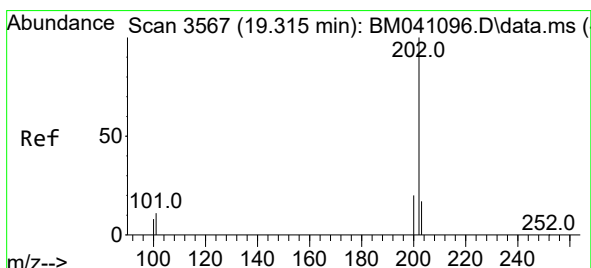
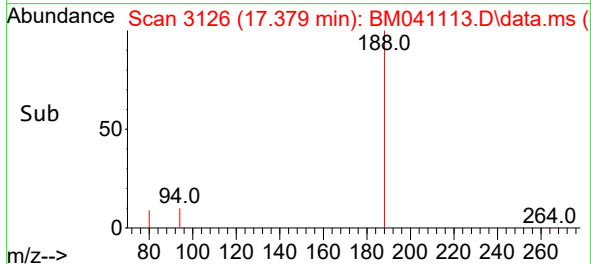
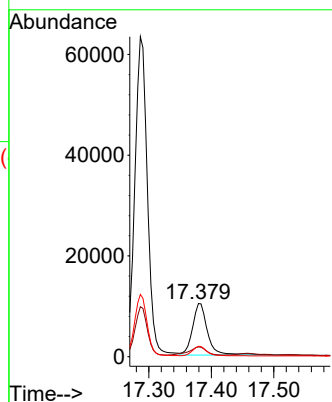
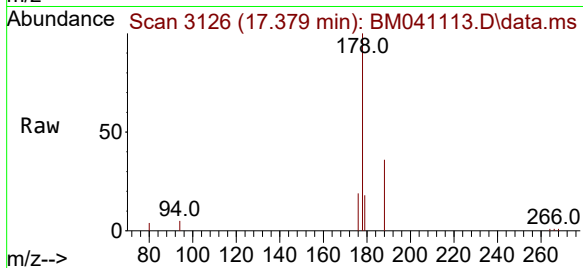
Tgt Ion:178 Resp: 17071

Ion Ratio Lower Upper

178 100

179 18.5 13.6 20.4

176 19.4 16.0 24.0



#19

Fluoranthene

Concen: 3.087 ng/ul

RT: 19.310 min Scan# 3566

Delta R.T. -0.005 min

Lab File: BM041113.D

Acq: 25 Jul 2023 19:34

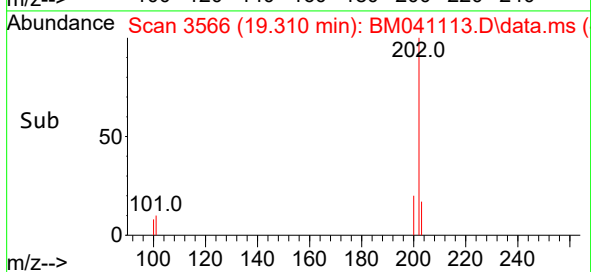
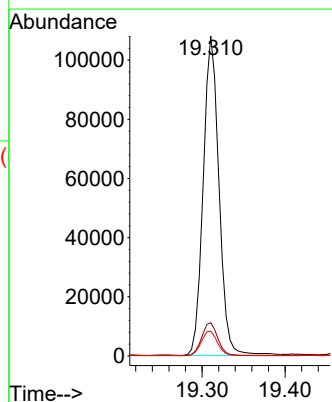
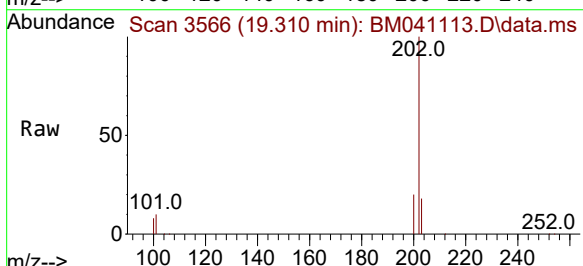
Tgt Ion:202 Resp: 143192

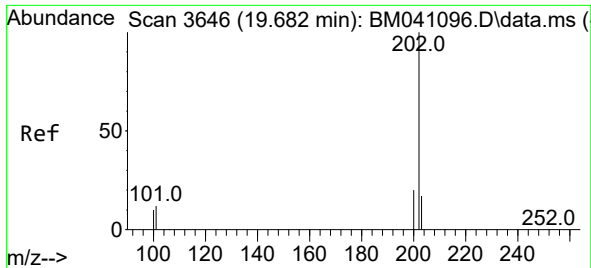
Ion Ratio Lower Upper

202 100

101 10.4 9.4 14.0

100 7.7 7.1 10.7

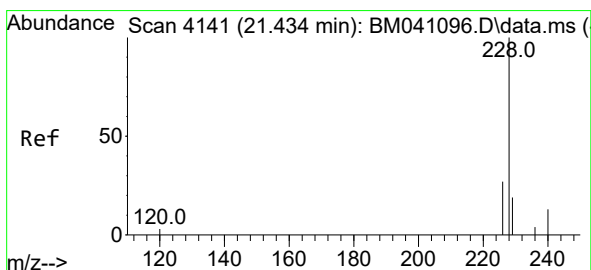
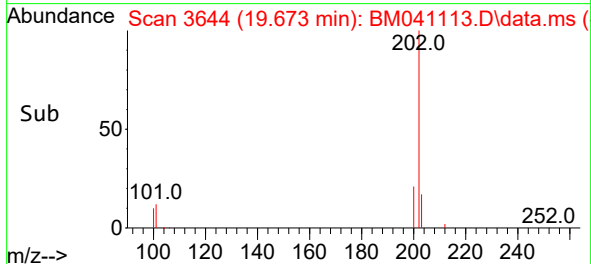
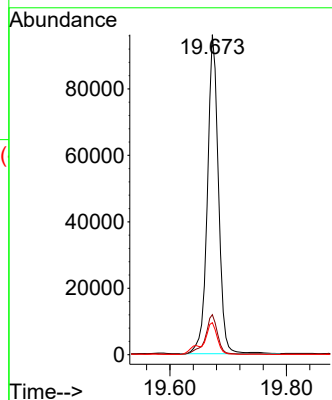
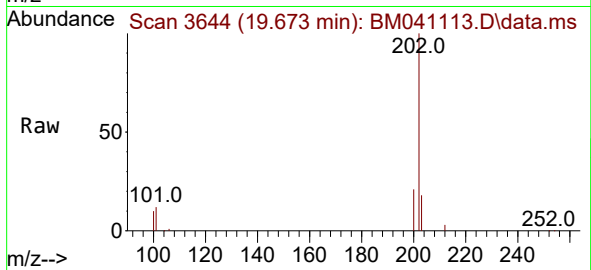




#20
Pyrene
Concen: 2.491 ng/ul
RT: 19.673 min Scan# 30
Delta R.T. -0.009 min
Lab File: BM041113.D
Acq: 25 Jul 2023 19:34

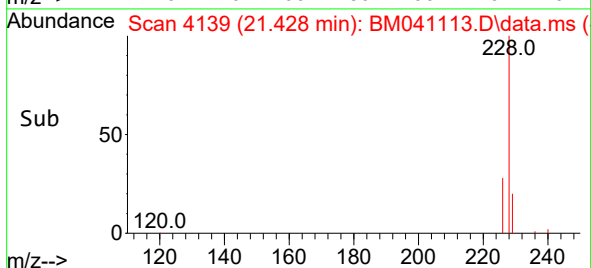
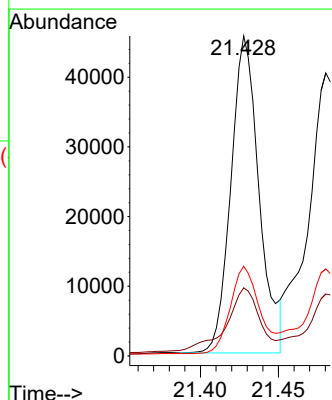
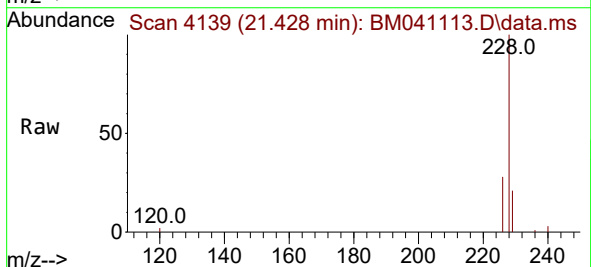
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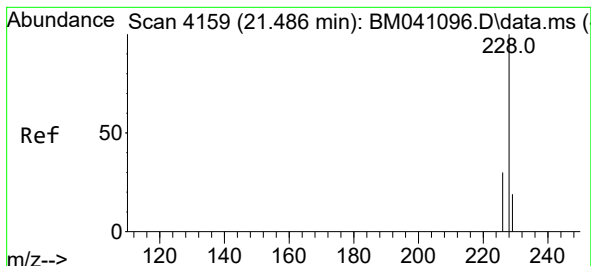
Tgt Ion:202 Resp: 127394
Ion Ratio Lower Upper
202 100
101 12.5 10.7 16.1
100 10.0 8.5 12.7



#21
Benzo(a)anthracene
Concen: 1.321 ng/ul
RT: 21.428 min Scan# 4139
Delta R.T. -0.006 min
Lab File: BM041113.D
Acq: 25 Jul 2023 19:34

Tgt Ion:228 Resp: 57174
Ion Ratio Lower Upper
228 100
229 21.3 16.5 24.7
226 28.0 22.2 33.2





#22

Chrysene

Concen: 1.198 ng/ul

RT: 21.480 min Scan# 4159

Delta R.T. -0.006 min

Lab File: BM041113.D

Acq: 25 Jul 2023 19:34

Instrument :

BNA_P

ClientSampleId :

A4725DL

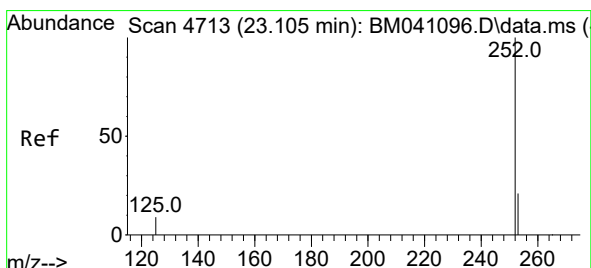
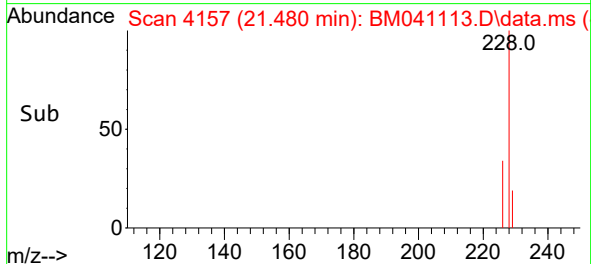
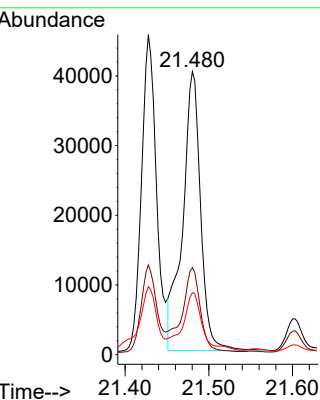
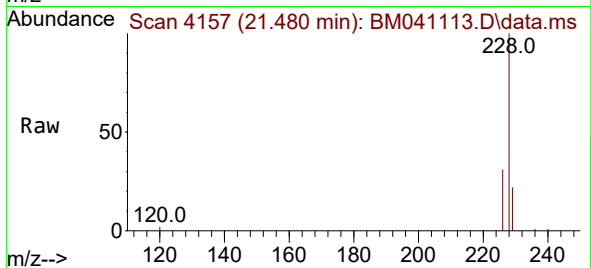
Tgt Ion:228 Resp: 59892

Ion Ratio Lower Upper

228 100

226 30.7 24.2 36.4

229 21.9 15.9 23.9



#24

Benzo(b)fluoranthene

Concen: 1.445 ng/ul

RT: 23.102 min Scan# 4712

Delta R.T. -0.003 min

Lab File: BM041113.D

Acq: 25 Jul 2023 19:34

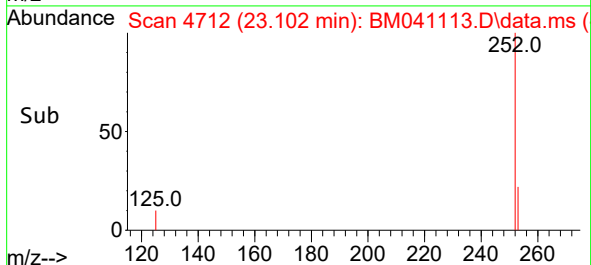
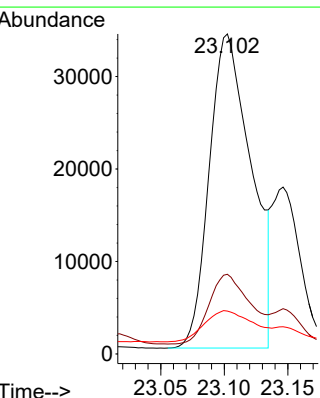
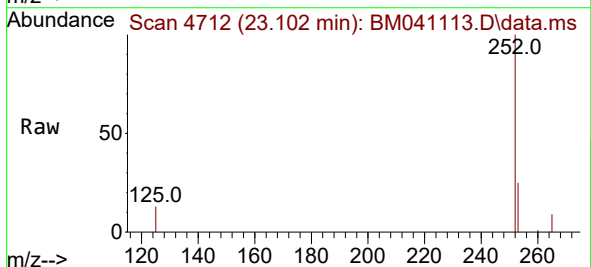
Tgt Ion:252 Resp: 78191

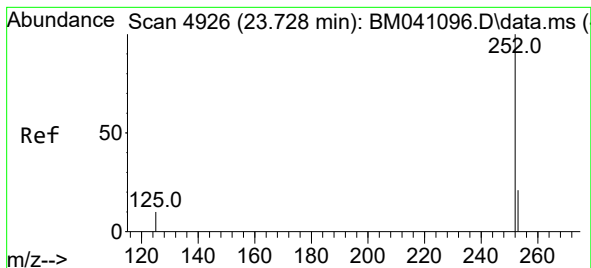
Ion Ratio Lower Upper

252 100

253 24.9 0.0 57.6

125 13.4 0.0 33.6





#26

Benzo(a)pyrene

Concen: 1.117 ng/ul

RT: 23.716 min Scan# 4922

Delta R.T. -0.012 min

Lab File: BM041113.D

Acq: 25 Jul 2023 19:34

Instrument :

BNA_P

ClientSampleId :

A4725DL

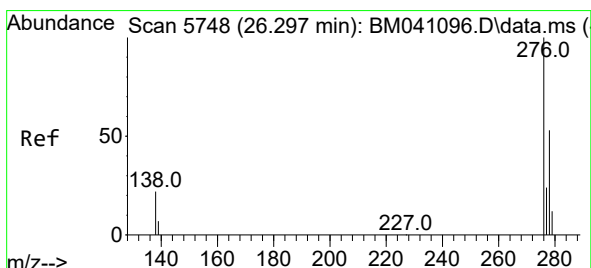
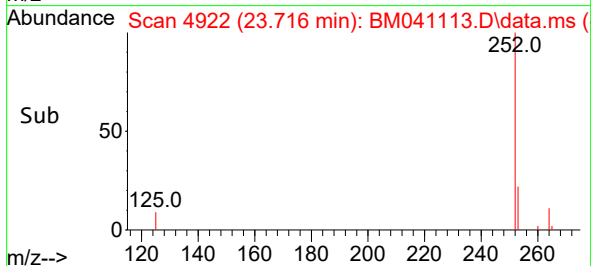
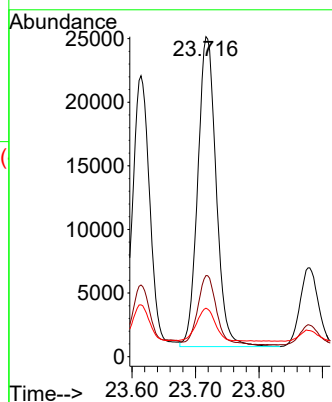
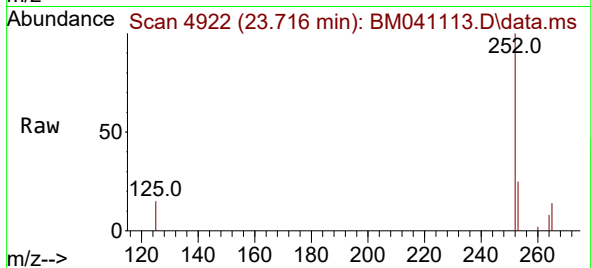
Tgt Ion:252 Resp: 48939

Ion Ratio Lower Upper

252 100

253 25.3 26.7 40.1#

125 15.2 18.1 27.1#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.600 ng/ul

RT: 26.283 min Scan# 5744

Delta R.T. -0.014 min

Lab File: BM041113.D

Acq: 25 Jul 2023 19:34

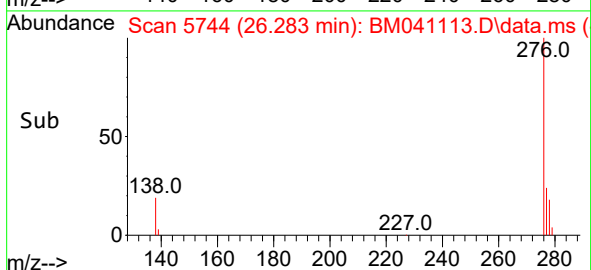
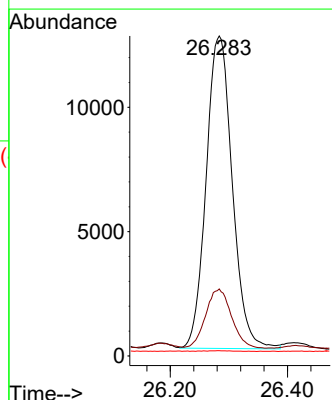
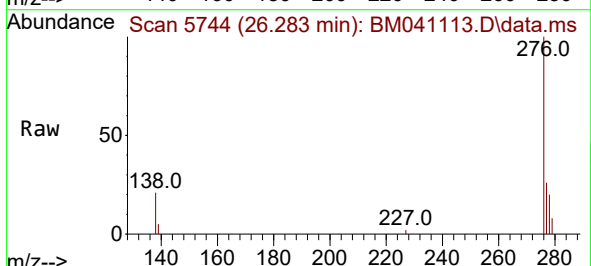
Tgt Ion:276 Resp: 38918

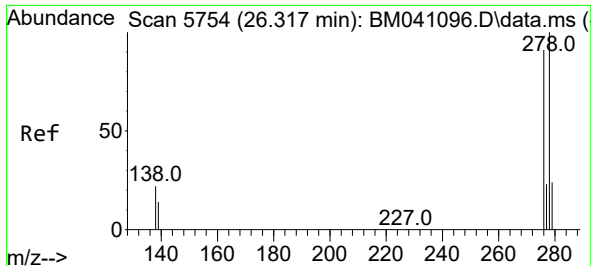
Ion Ratio Lower Upper

276 100

138 18.7 18.1 27.1

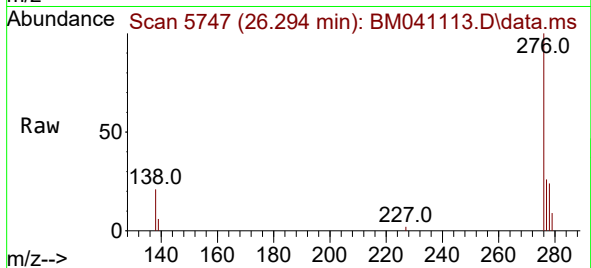
227 0.1 0.2 0.2#



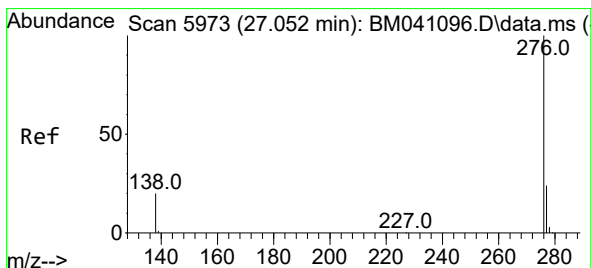
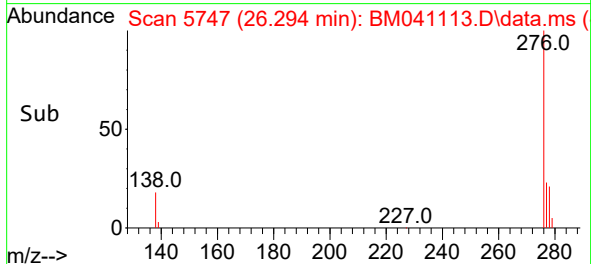
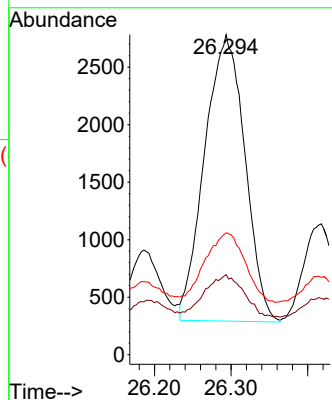


#28
Dibenzo(a,h)anthracene
Concen: 0.178 ng/ul
RT: 26.294 min Scan# 51
Delta R.T. -0.024 min
Lab File: BM041113.D
Acq: 25 Jul 2023 19:34

Instrument :
BNA_P
ClientSampleId :
A4725DL



Tgt Ion:278 Resp: 9060
Ion Ratio Lower Upper
278 100
139 25.1 14.1 21.1#
279 38.1 25.0 37.4#



#29
Benzo(g,h,i)perylene
Concen: 0.652 ng/ul
RT: 27.038 min Scan# 5969
Delta R.T. -0.014 min
Lab File: BM041113.D
Acq: 25 Jul 2023 19:34

Tgt Ion:276 Resp: 37801
Ion Ratio Lower Upper
276 100
138 21.4 18.2 27.2
277 25.7 20.6 30.8

