

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041100.D
 Acq On : 25 Jul 2023 11:27
 Operator : MA/JU
 Sample : 03534-13
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4725

Quant Time: Jul 26 04:21:58 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

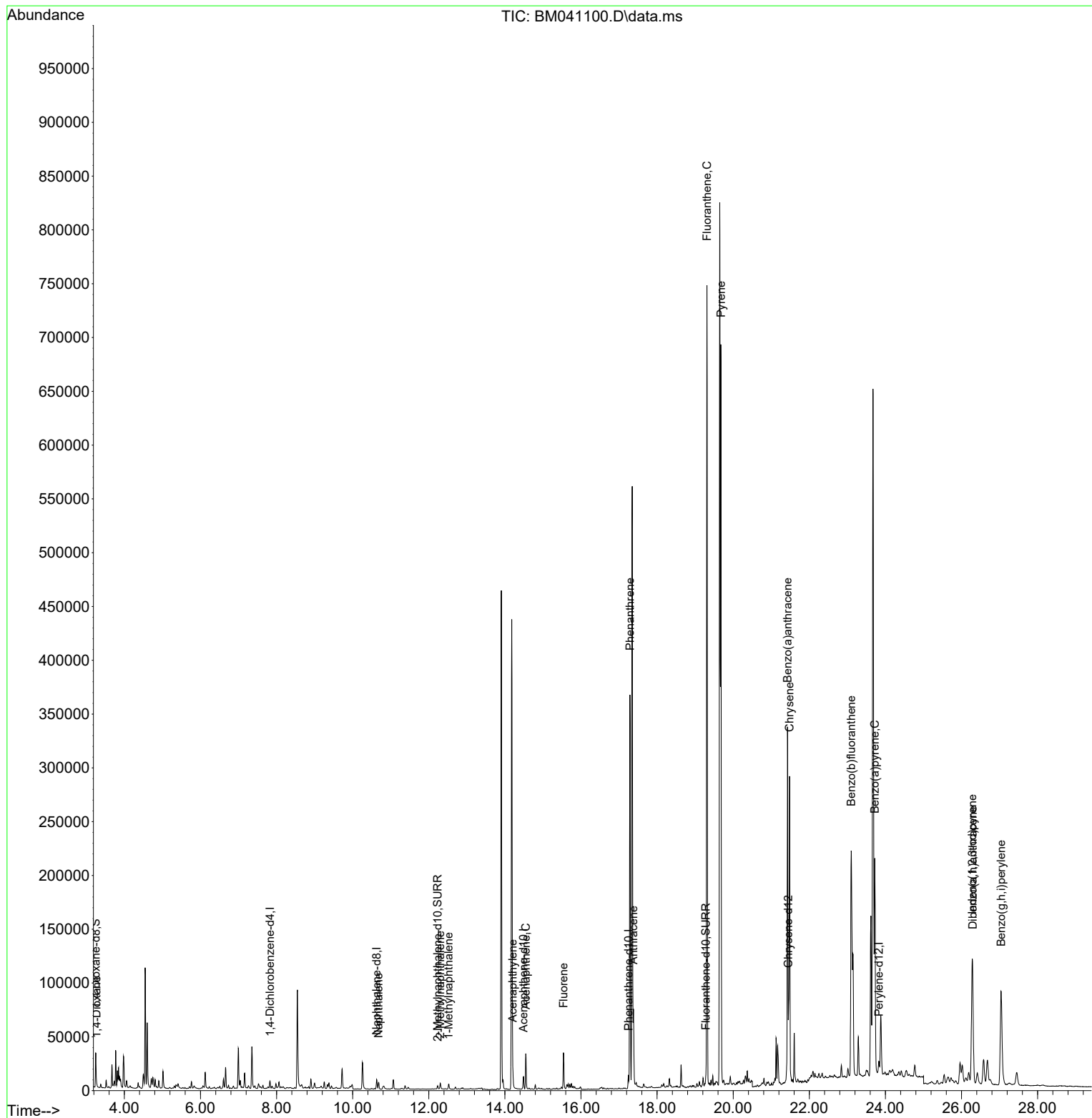
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	3721	0.400	ng/ul	0.00
4) Naphthalene-d8	10.631	136	12212	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.490	164	6418	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.249	188	14525	0.400	ng/ul	0.00
17) Chrysene-d12	21.445	240	12348	0.400	ng/ul	# 0.00
23) Perylene-d12	23.828	264	15959	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.250	96	18840	3.282	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.231	152	4446	0.255	ng/ul	0.00
18) Fluoranthene-d10	19.283	212	9859	0.293	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.271	88	433	0.074	ng/ul#	1
5) Naphthalene	10.680	128	8519	0.214	ng/ul	98
7) 2-Methylnaphthalene	12.302	142	4258	0.219	ng/ul	96
8) 1-Methylnaphthalene	12.522	142	3480	0.174	ng/ul	99
10) Acenaphthylene	14.208	152	13413	0.495	ng/ul	98
11) Acenaphthene	14.550	153	18452	0.807	ng/ul	99
12) Fluorene	15.540	166	21267	0.852	ng/ul	99
15) Phenanthrene	17.287	178	372856	8.328	ng/ul	98
16) Anthracene	17.379	178	68137	1.880	ng/ul	98
19) Fluoranthene	19.311	202	617655	13.957	ng/ul	97
20) Pyrene	19.678	202	562710	11.532	ng/ul	96
21) Benzo(a)anthracene	21.428	228	266981	6.467	ng/ul	99
22) Chrysene	21.480	228	277001	5.810	ng/ul	98
24) Benzo(b)fluoranthene	23.103	252	376426	5.920	ng/ul	90
26) Benzo(a)pyrene	23.719	252	275325	5.345	ng/ul#	81
27) Indeno(1,2,3-cd)pyrene	26.284	276	203770	2.672	ng/ul	93
28) Dibenzo(a,h)anthracene	26.294	278	48980	0.819	ng/ul	97
29) Benzo(g,h,i)perylene	27.038	276	193551	2.840	ng/ul	97

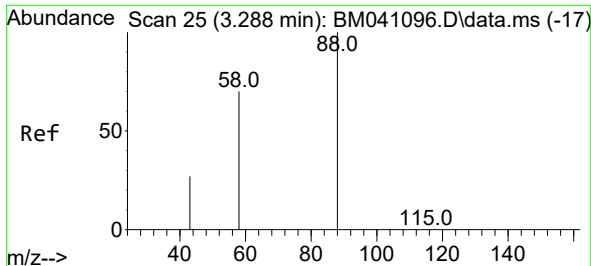
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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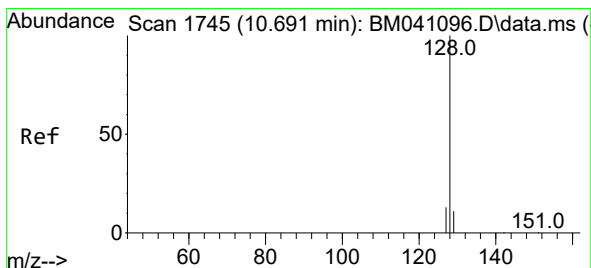
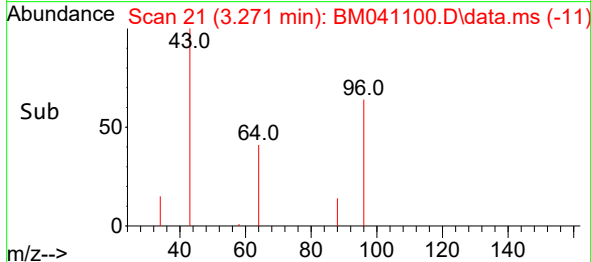
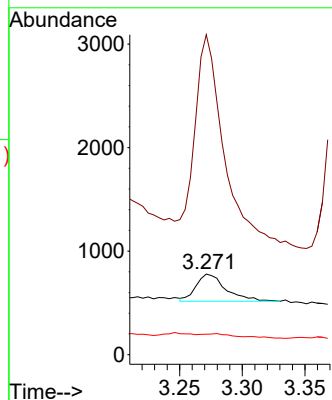
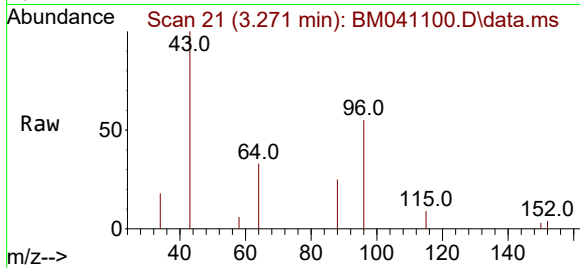




#2
1,4-Dioxane
Concen: 0.074 ng/ul
RT: 3.271 min Scan# 21
Delta R.T. -0.017 min
Lab File: BM041100.D
Acq: 25 Jul 2023 11:27

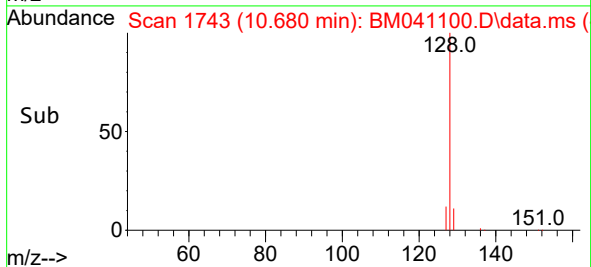
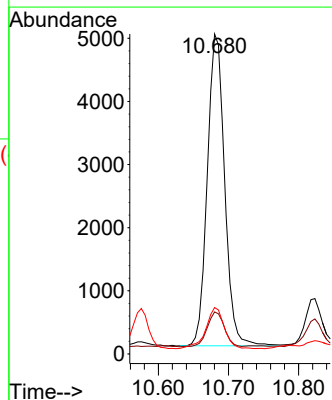
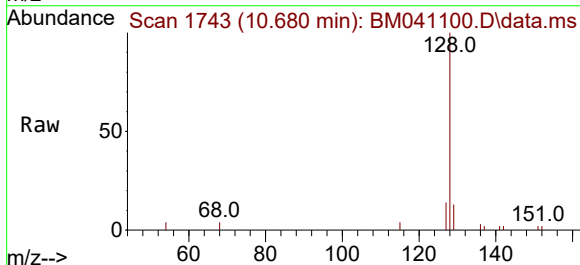
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BNA_P
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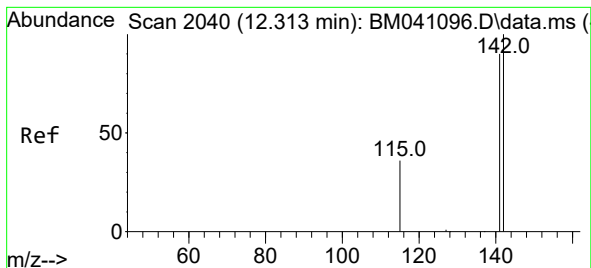
Tgt Ion: 88 Resp: 433
Ion Ratio Lower Upper
88 100
43 396.8 83.1 124.7#
58 25.3 38.8 58.2#



#5
Naphthalene
Concen: 0.214 ng/ul
RT: 10.680 min Scan# 1743
Delta R.T. -0.011 min
Lab File: BM041100.D
Acq: 25 Jul 2023 11:27

Tgt Ion: 128 Resp: 8519
Ion Ratio Lower Upper
128 100
129 13.1 9.8 14.8
127 14.5 11.1 16.7

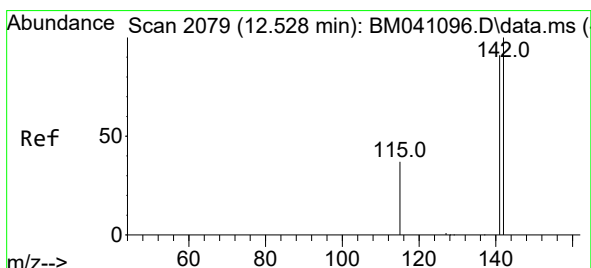
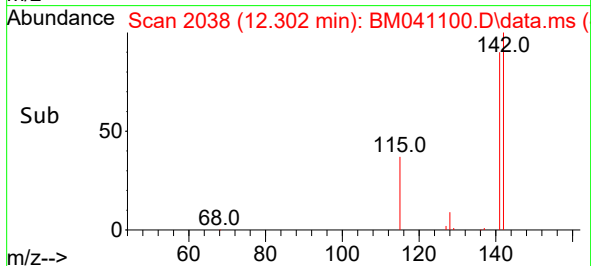
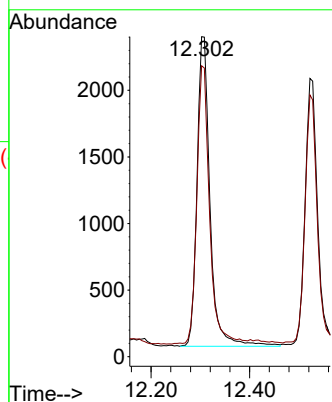
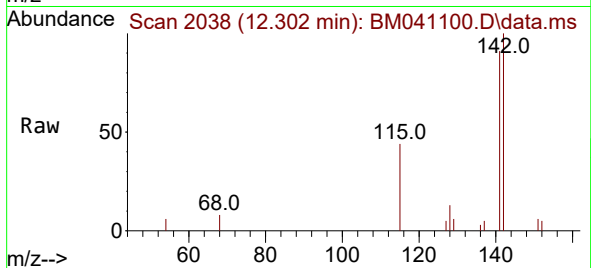




#7
2-Methylnaphthalene
Concen: 0.219 ng/ul
RT: 12.302 min Scan# 2040
Delta R.T. -0.011 min
Lab File: BM041100.D
Acq: 25 Jul 2023 11:27

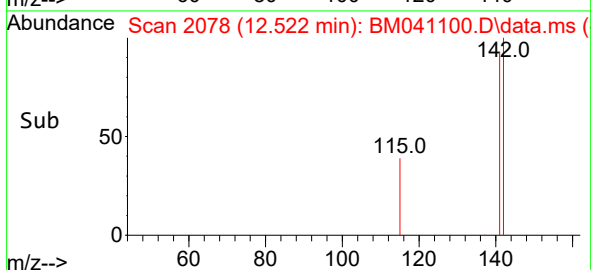
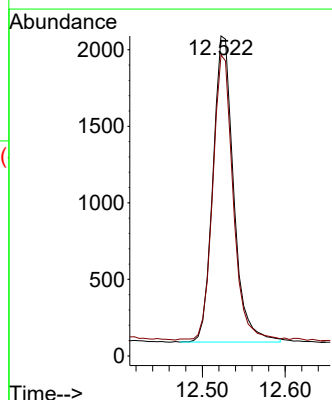
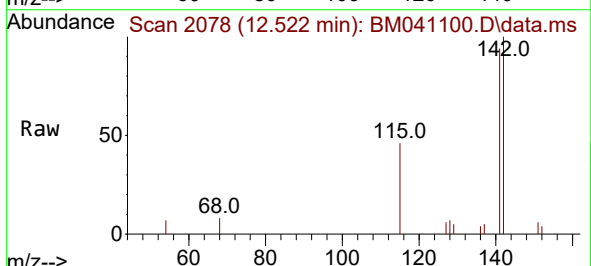
Instrument :
BNA_P
ClientSampleId :
A4725

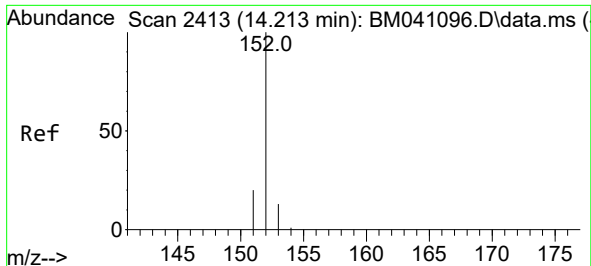
Tgt Ion:142 Resp: 4258
Ion Ratio Lower Upper
142 100
141 87.8 73.3 109.9



#8
1-Methylnaphthalene
Concen: 0.174 ng/ul
RT: 12.522 min Scan# 2078
Delta R.T. -0.006 min
Lab File: BM041100.D
Acq: 25 Jul 2023 11:27

Tgt Ion:142 Resp: 3480
Ion Ratio Lower Upper
142 100
141 91.5 73.6 110.4

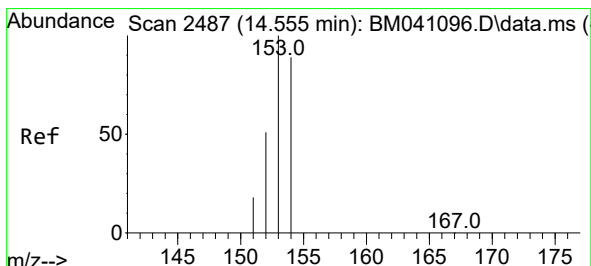
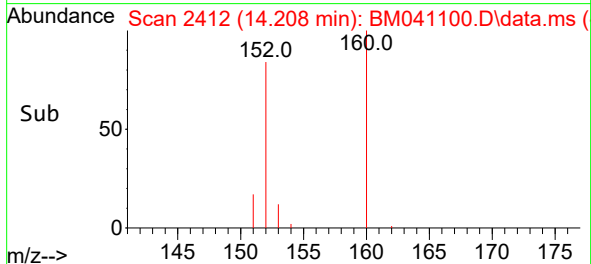
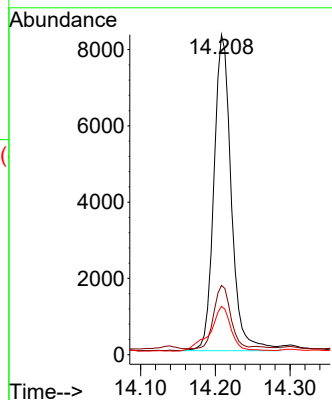
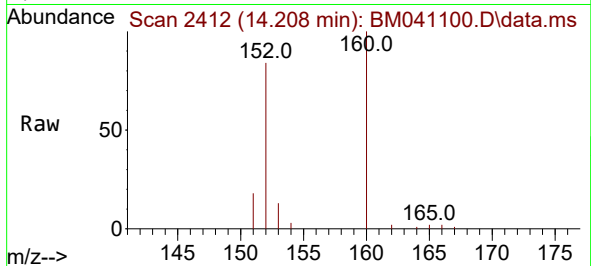




#10
Acenaphthylene
Concen: 0.495 ng/ul
RT: 14.208 min Scan# 2412
Delta R.T. -0.005 min
Lab File: BM041100.D
Acq: 25 Jul 2023 11:27

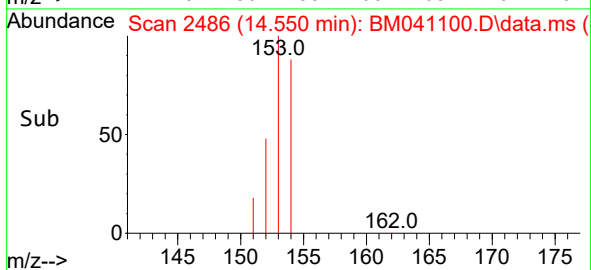
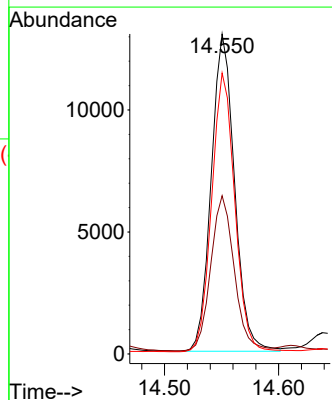
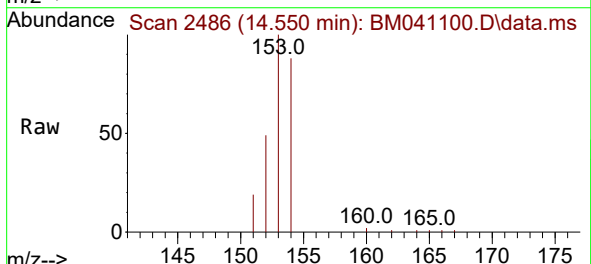
Instrument :
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ClientSampleId :
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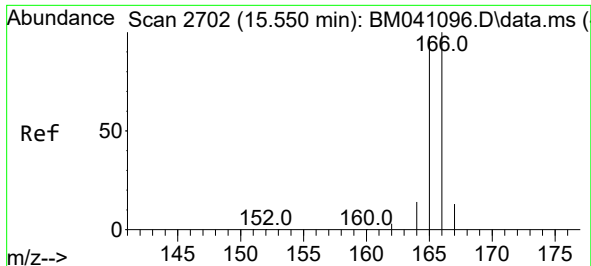
Tgt Ion:152 Resp: 13413
Ion Ratio Lower Upper
152 100
151 21.7 16.8 25.2
153 15.1 11.4 17.2



#11
Acenaphthene
Concen: 0.807 ng/ul
RT: 14.550 min Scan# 2486
Delta R.T. -0.005 min
Lab File: BM041100.D
Acq: 25 Jul 2023 11:27

Tgt Ion:153 Resp: 18452
Ion Ratio Lower Upper
153 100
152 49.4 40.2 60.4
154 87.8 70.3 105.5

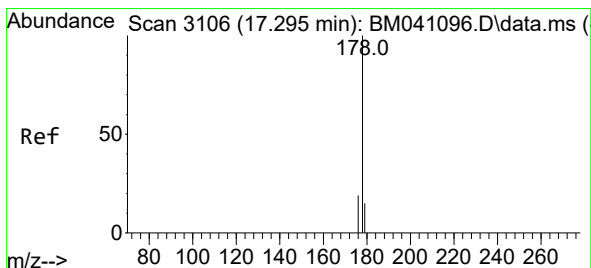
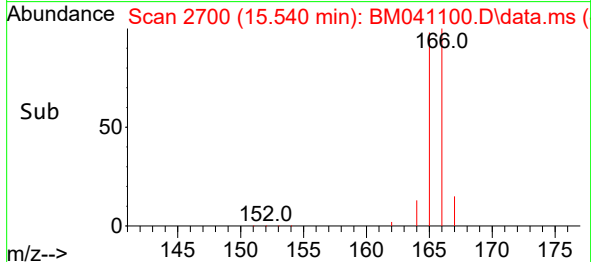
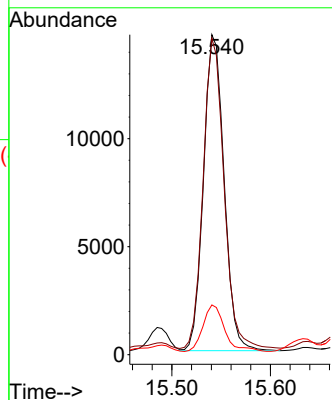
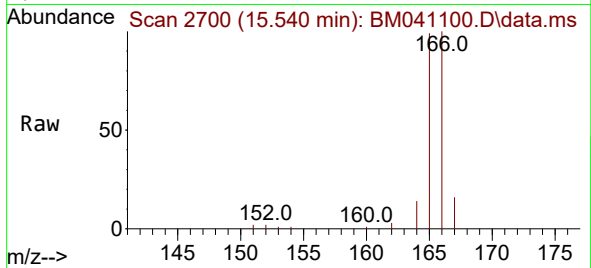




#12
Fluorene
Concen: 0.852 ng/ul
RT: 15.540 min Scan# 21
Delta R.T. -0.009 min
Lab File: BM041100.D
Acq: 25 Jul 2023 11:27

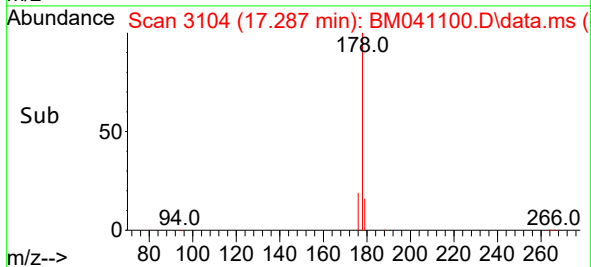
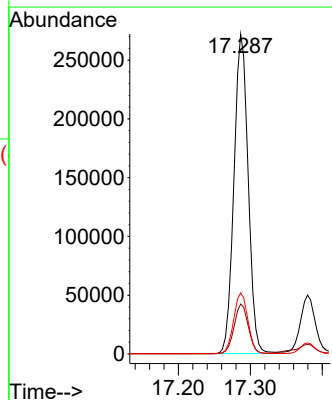
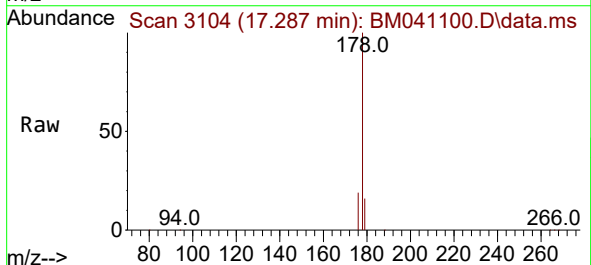
Instrument :
BNA_P
ClientSampleId :
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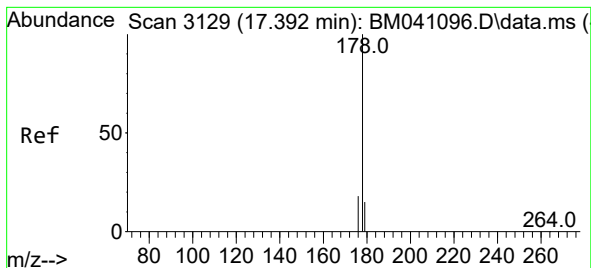
Tgt Ion:166 Resp: 21267
Ion Ratio Lower Upper
166 100
165 98.9 79.4 119.0
167 15.5 11.4 17.2



#15
Phenanthrene
Concen: 8.328 ng/ul
RT: 17.287 min Scan# 3104
Delta R.T. -0.008 min
Lab File: BM041100.D
Acq: 25 Jul 2023 11:27

Tgt Ion:178 Resp: 372856
Ion Ratio Lower Upper
178 100
179 15.6 13.4 20.2
176 19.1 16.0 24.0





#16

Anthracene

Concen: 1.880 ng/ul

RT: 17.379 min Scan# 3129

Delta R.T. -0.013 min

Lab File: BM041100.D

Acq: 25 Jul 2023 11:27

Instrument :

BNA_P

ClientSampleId :

A4725

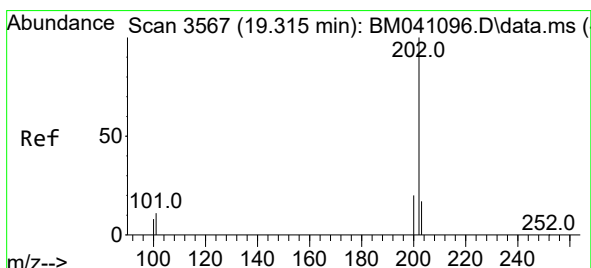
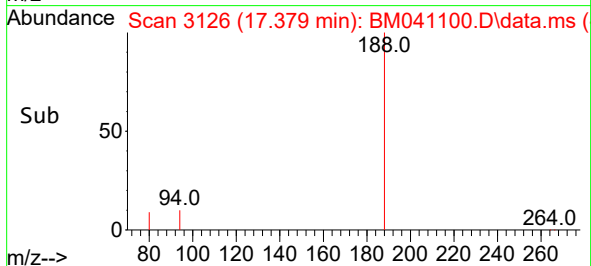
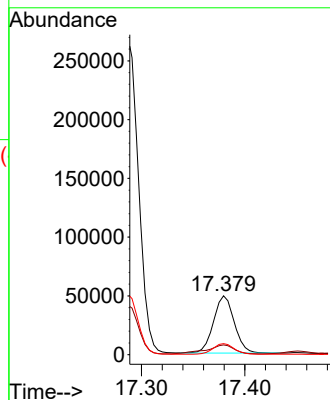
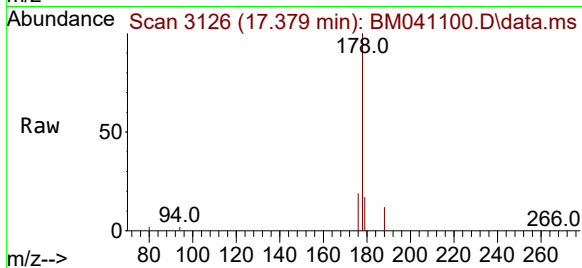
Tgt Ion:178 Resp: 68137

Ion Ratio Lower Upper

178 100

179 16.5 13.6 20.4

176 18.8 16.0 24.0



#19

Fluoranthene

Concen: 13.957 ng/ul

RT: 19.311 min Scan# 3566

Delta R.T. -0.005 min

Lab File: BM041100.D

Acq: 25 Jul 2023 11:27

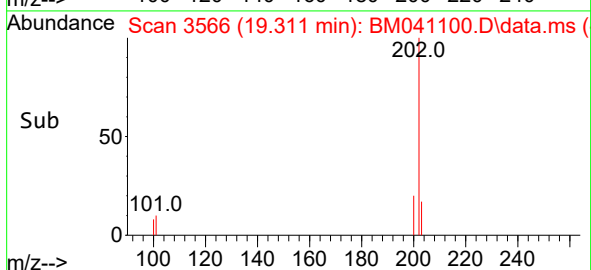
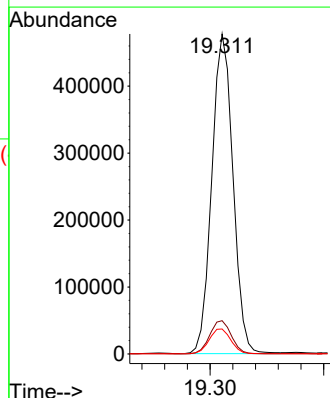
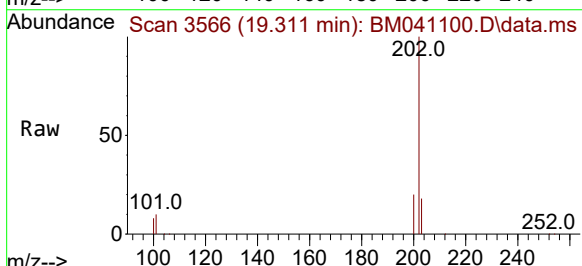
Tgt Ion:202 Resp: 617655

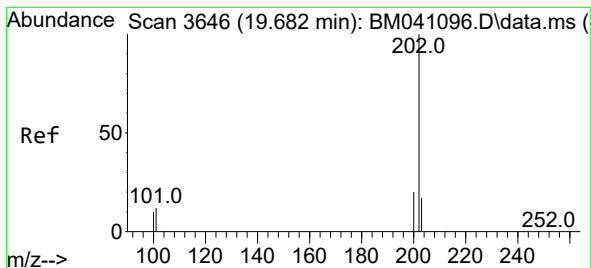
Ion Ratio Lower Upper

202 100

101 10.4 9.4 14.0

100 7.8 7.1 10.7





#20

Pyrene

Concen: 11.532 ng/ul

RT: 19.678 min Scan# 3

Delta R.T. -0.005 min

Lab File: BM041100.D

Acq: 25 Jul 2023 11:27

Instrument :

BNA_P

ClientSampleId :

A4725

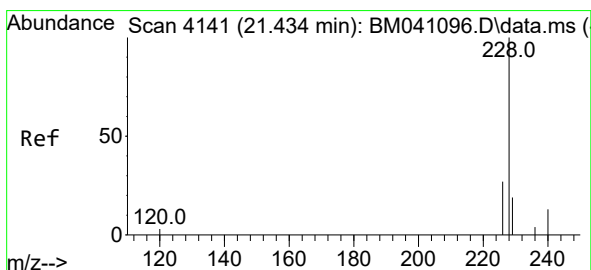
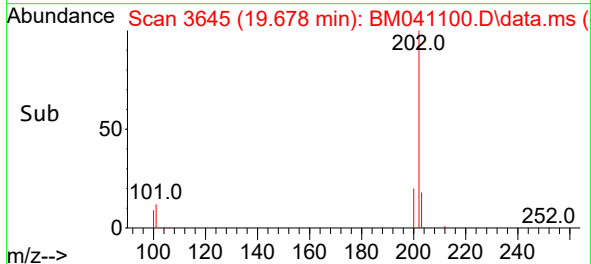
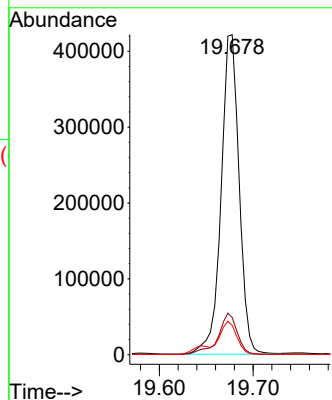
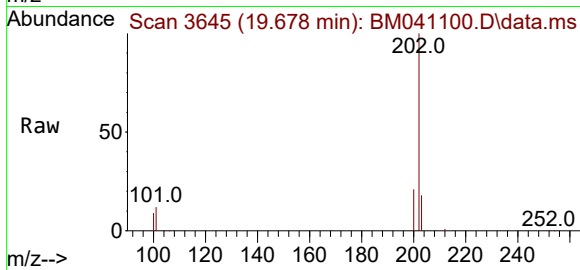
Tgt Ion:202 Resp: 562710

Ion Ratio Lower Upper

202 100

101 11.6 10.7 16.1

100 9.1 8.5 12.7



#21

Benzo(a)anthracene

Concen: 6.467 ng/ul

RT: 21.428 min Scan# 4139

Delta R.T. -0.006 min

Lab File: BM041100.D

Acq: 25 Jul 2023 11:27

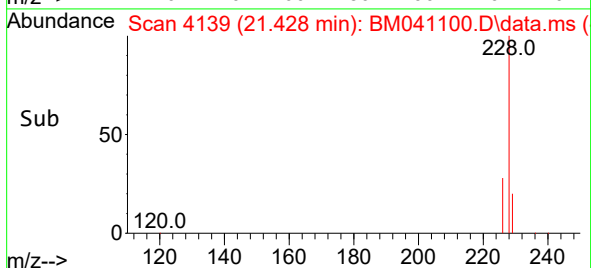
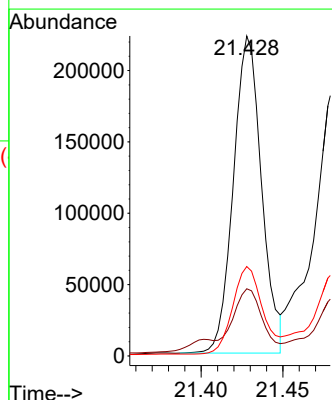
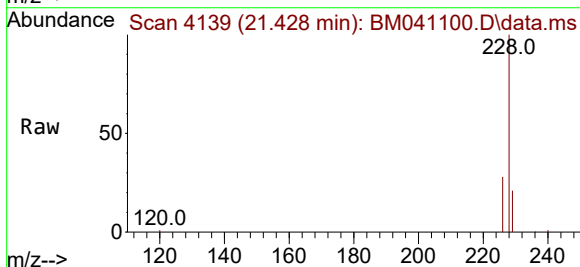
Tgt Ion:228 Resp: 266981

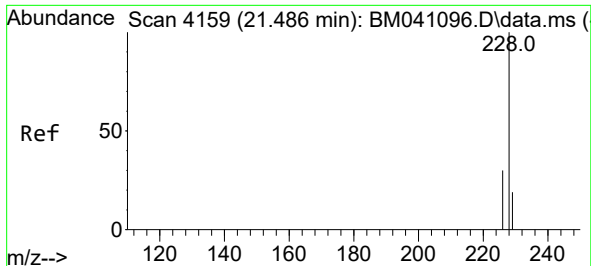
Ion Ratio Lower Upper

228 100

229 21.0 16.5 24.7

226 27.9 22.2 33.2

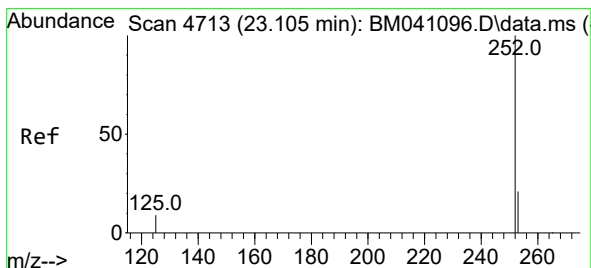
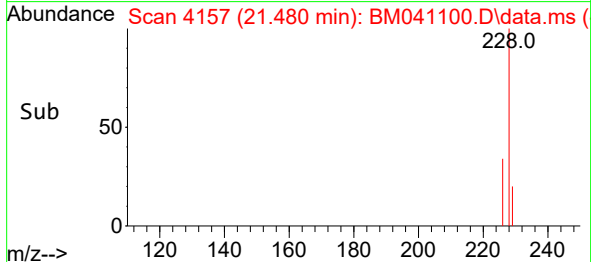
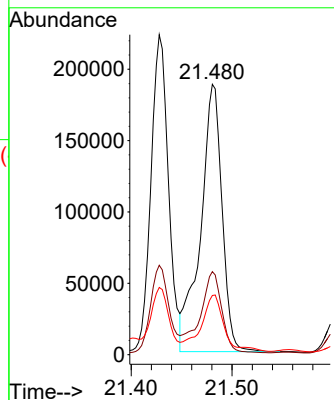
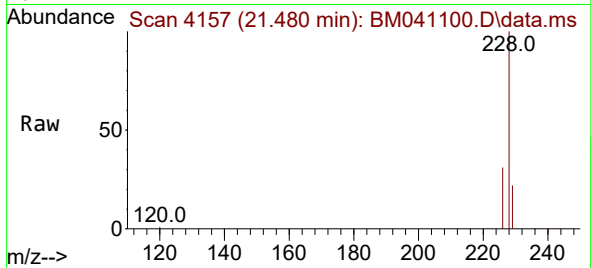




#22
Chrysene
Concen: 5.810 ng/ul
RT: 21.480 min Scan# 4159
Delta R.T. -0.006 min
Lab File: BM041100.D
Acq: 25 Jul 2023 11:27

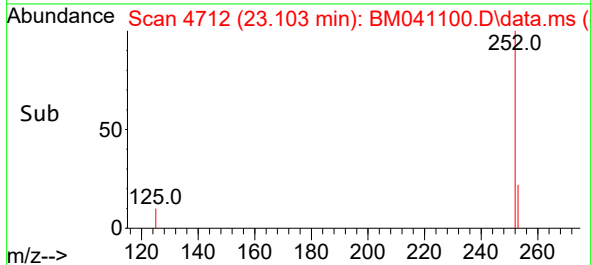
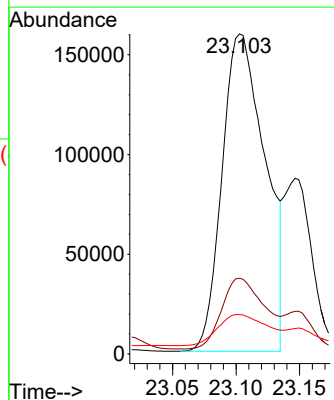
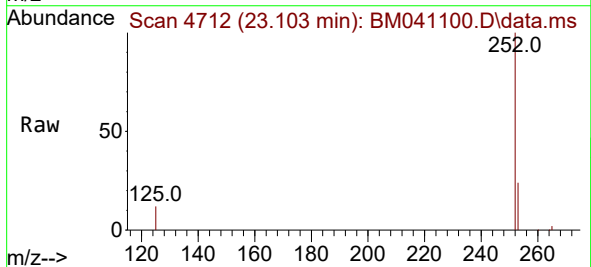
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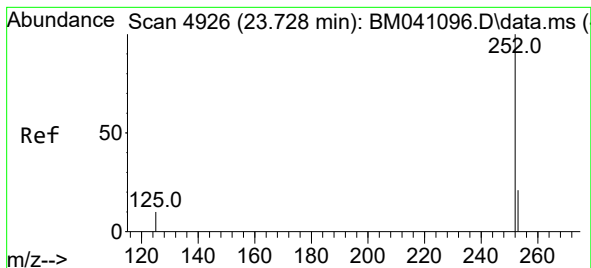
Tgt Ion:228 Resp: 277001
Ion Ratio Lower Upper
228 100
226 30.7 24.2 36.4
229 21.9 15.9 23.9



#24
Benzo(b)fluoranthene
Concen: 5.920 ng/ul
RT: 23.103 min Scan# 4712
Delta R.T. -0.003 min
Lab File: BM041100.D
Acq: 25 Jul 2023 11:27

Tgt Ion:252 Resp: 376426
Ion Ratio Lower Upper
252 100
253 23.6 0.0 57.6
125 12.3 0.0 33.6





#26

Benzo(a)pyrene

Concen: 5.345 ng/ul

RT: 23.719 min Scan# 4926

Delta R.T. -0.009 min

Lab File: BM041100.D

Acq: 25 Jul 2023 11:27

Instrument :

BNA_P

ClientSampleId :

A4725

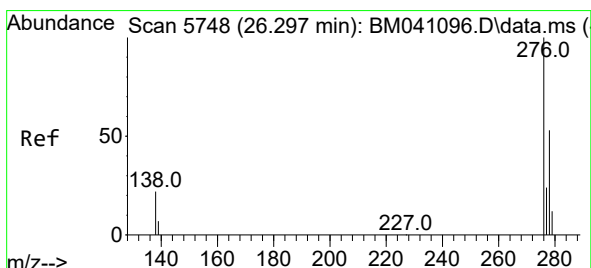
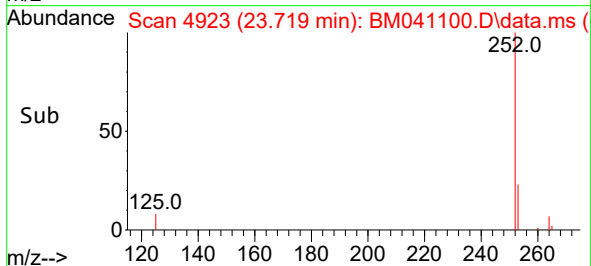
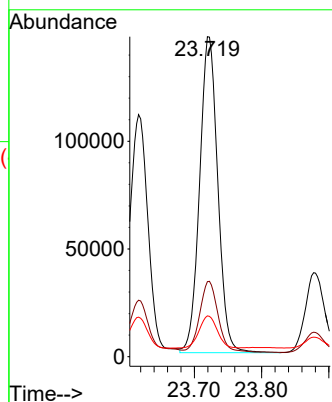
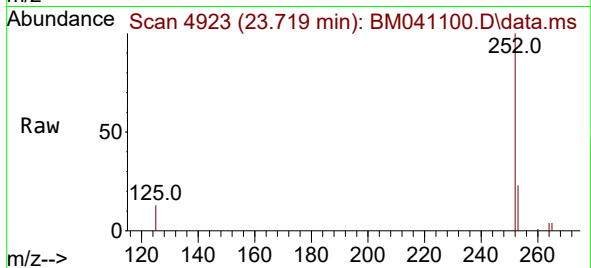
Tgt Ion:252 Resp: 275325

Ion Ratio Lower Upper

252 100

253 23.5 26.7 40.1#

125 12.8 18.1 27.1#



#27

Indeno(1,2,3-cd)pyrene

Concen: 2.672 ng/ul

RT: 26.284 min Scan# 5744

Delta R.T. -0.013 min

Lab File: BM041100.D

Acq: 25 Jul 2023 11:27

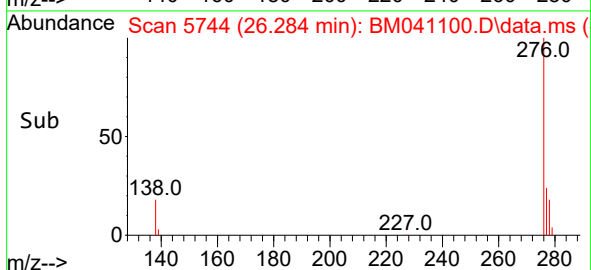
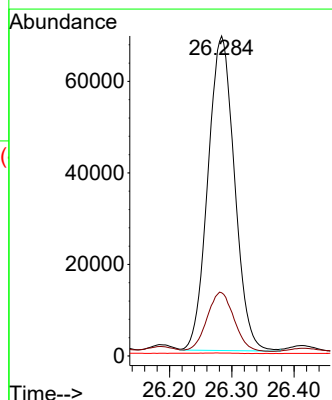
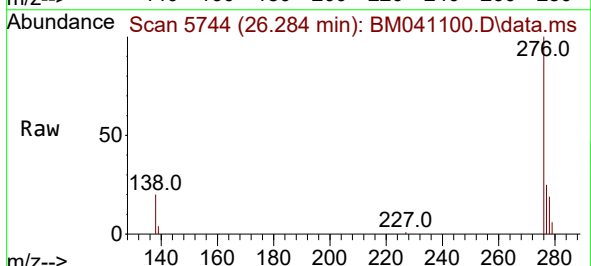
Tgt Ion:276 Resp: 203770

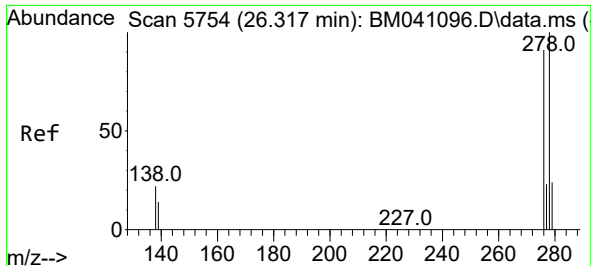
Ion Ratio Lower Upper

276 100

138 19.1 18.1 27.1

227 0.2 0.2 0.2

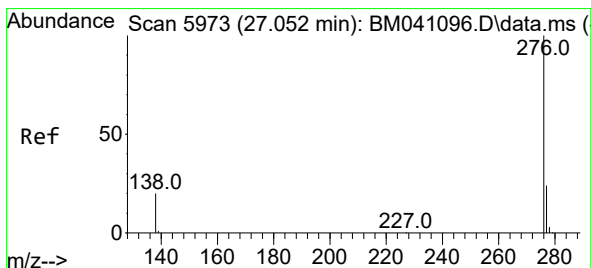
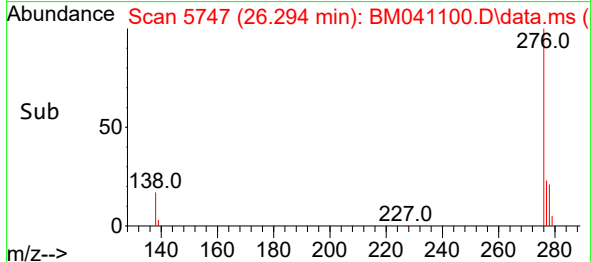
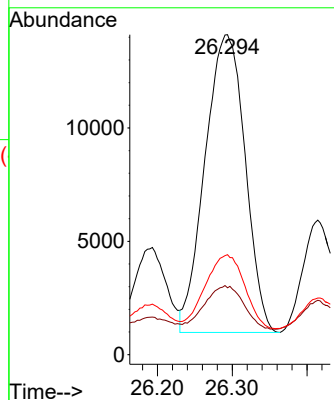
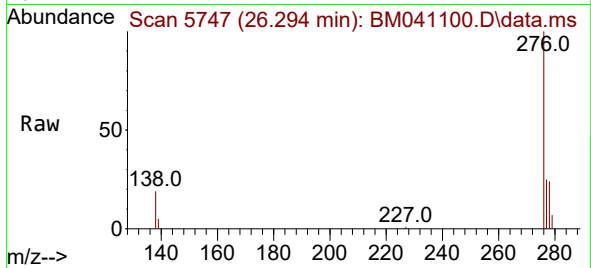




#28
Dibenzo(a,h)anthracene
Concen: 0.819 ng/ul
RT: 26.294 min Scan# 51
Delta R.T. -0.024 min
Lab File: BM041100.D
Acq: 25 Jul 2023 11:27

Instrument :
BNA_P
ClientSampleId :
A4725

Tgt Ion:278 Resp: 48980
Ion Ratio Lower Upper
278 100
139 20.9 14.1 21.1
279 31.3 25.0 37.4



#29
Benzo(g,h,i)perylene
Concen: 2.840 ng/ul
RT: 27.038 min Scan# 5969
Delta R.T. -0.013 min
Lab File: BM041100.D
Acq: 25 Jul 2023 11:27

Tgt Ion:276 Resp: 193551
Ion Ratio Lower Upper
276 100
138 20.5 18.2 27.2
277 24.8 20.6 30.8

