

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041111.D
 Acq On : 25 Jul 2023 18:20
 Operator : MA/JU
 Sample : 03534-09DL 5X
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4721DL

Quant Time: Jul 26 04:41:00 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)

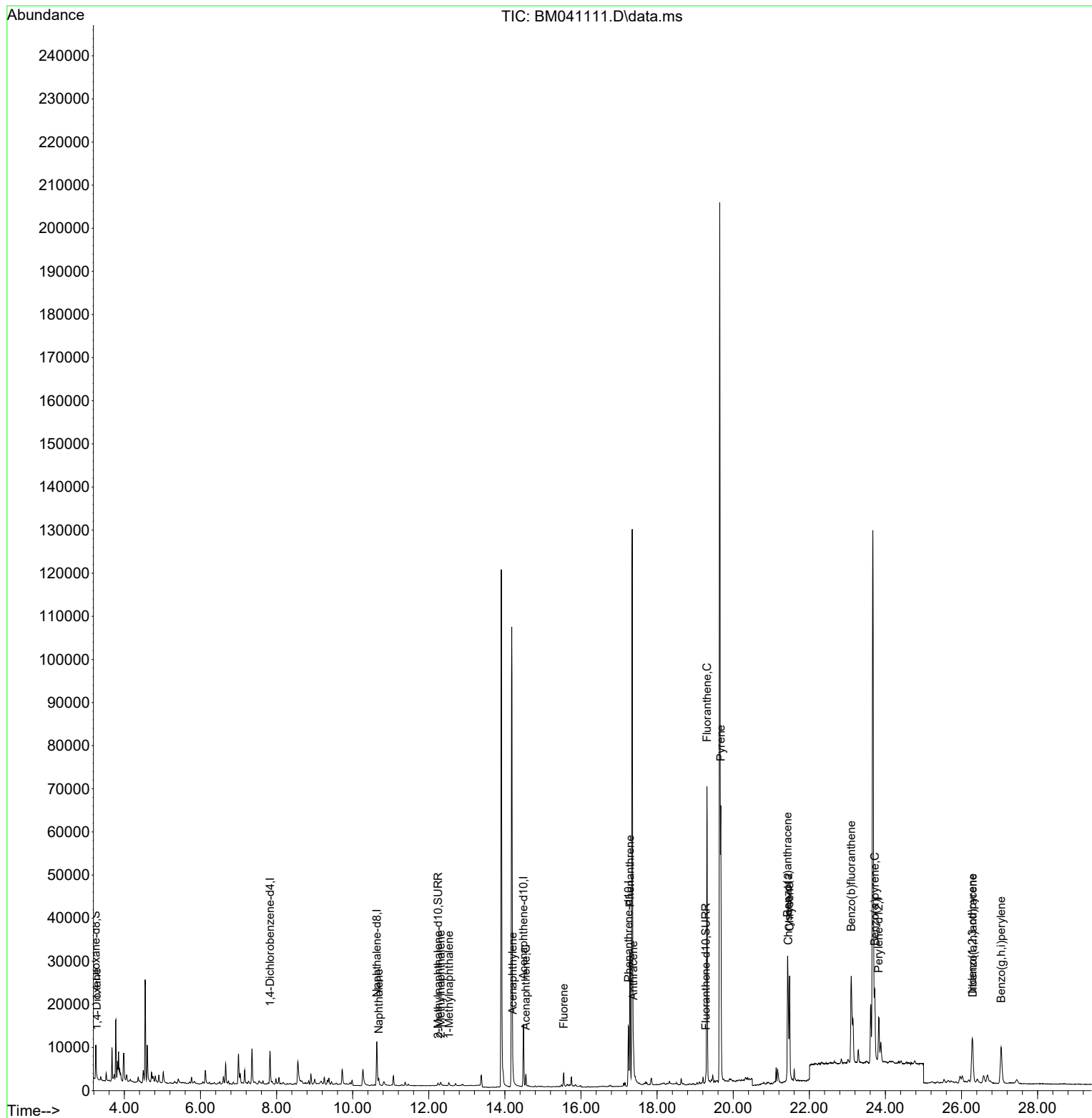
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	4314	0.400	ng/ul	0.00
4) Naphthalene-d8	10.636	136	15227	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.490	164	8136	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.249	188	16870	0.400	ng/ul	0.00
17) Chrysene-d12	21.445	240	13656	0.400	ng/ul	0.00
23) Perylene-d12	23.825	264	14363	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.250	96	4626	0.695	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.242	152	1134	0.052	ng/ul	0.00
18) Fluoranthene-d10	19.283	212	2304	0.062	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.275	88	161	0.024	ng/ul#	4
5) Naphthalene	10.686	128	2193	0.044	ng/ul#	89
7) 2-Methylnaphthalene	12.313	142	769	0.032	ng/ul	97
8) 1-Methylnaphthalene	12.533	142	606	0.024	ng/ul	96
10) Acenaphthylene	14.208	152	2260	0.066	ng/ul#	88
11) Acenaphthene	14.551	153	1624	0.056	ng/ul	96
12) Fluorene	15.545	166	2112	0.067	ng/ul#	97
15) Phenanthrene	17.287	178	32853	0.632	ng/ul	98
16) Anthracene	17.379	178	6067	0.144	ng/ul#	93
19) Fluoranthene	19.311	202	57941	1.184	ng/ul	98
20) Pyrene	19.673	202	51144	0.948	ng/ul	99
21) Benzo(a)anthracene	21.428	228	23447	0.514	ng/ul	96
22) Chrysene	21.480	228	25755	0.488	ng/ul	96
24) Benzo(b)fluoranthene	23.103	252	35588	0.622	ng/ul	98
26) Benzo(a)pyrene	23.719	252	21949	0.473	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	26.284	276	19054	0.278	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.294	278	4391	0.082	ng/ul#	63
29) Benzo(g,h,i)perylene	27.042	276	18431	0.300	ng/ul	99

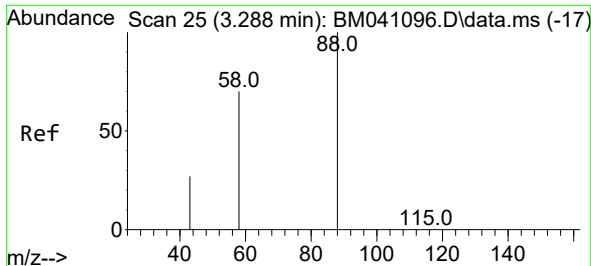
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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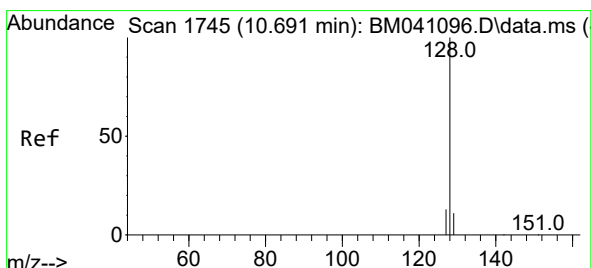
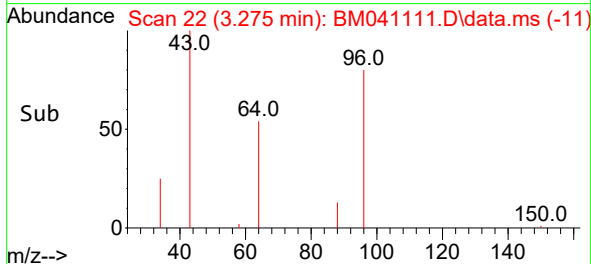
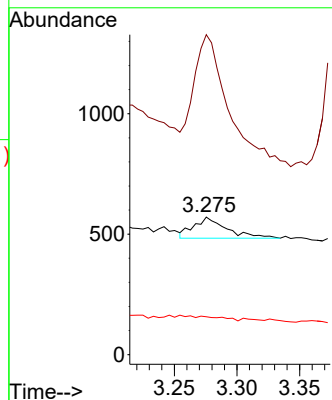
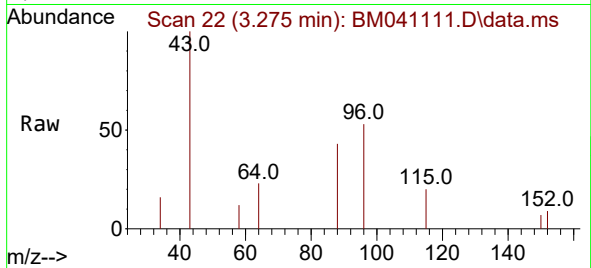




#2
1,4-Dioxane
Concen: 0.024 ng/ul
RT: 3.275 min Scan# 21
Delta R.T. -0.013 min
Lab File: BM041111.D
Acq: 25 Jul 2023 18:20

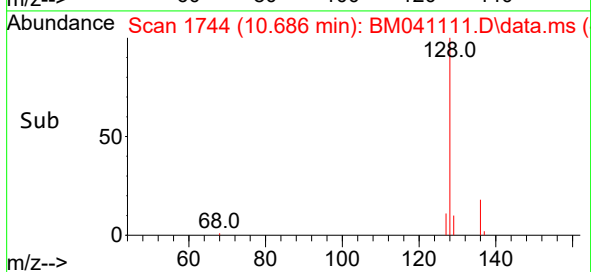
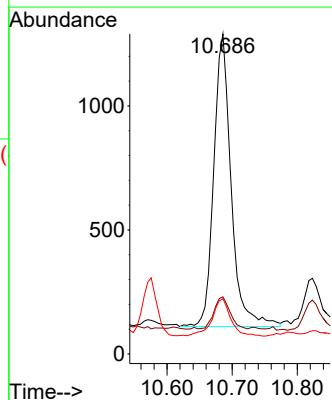
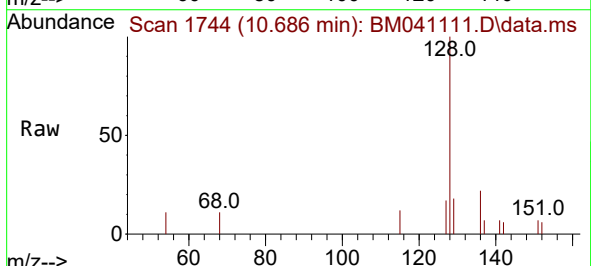
Instrument :
BNA_P
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A4721DL

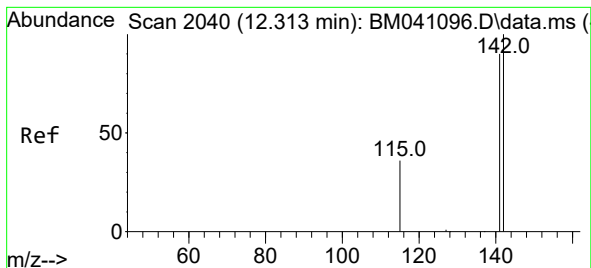
Tgt Ion: 88 Resp: 161
Ion Ratio Lower Upper
88 100
43 232.6 83.1 124.7#
58 27.5 38.8 58.2#



#5
Naphthalene
Concen: 0.044 ng/ul
RT: 10.686 min Scan# 1744
Delta R.T. -0.005 min
Lab File: BM041111.D
Acq: 25 Jul 2023 18:20

Tgt Ion: 128 Resp: 2193
Ion Ratio Lower Upper
128 100
129 17.8 9.8 14.8#
127 17.2 11.1 16.7#

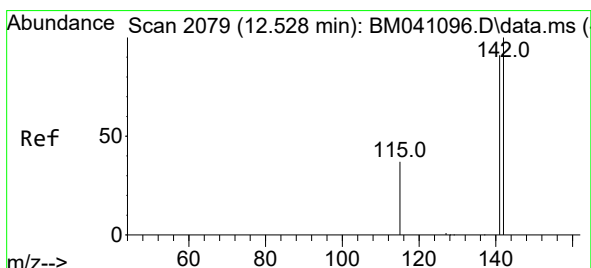
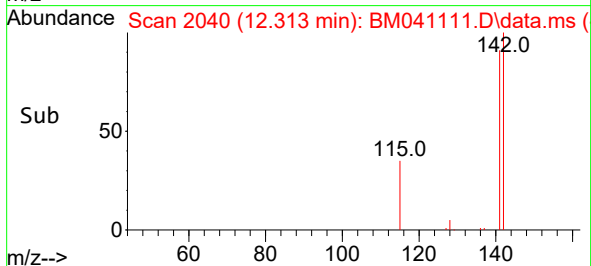
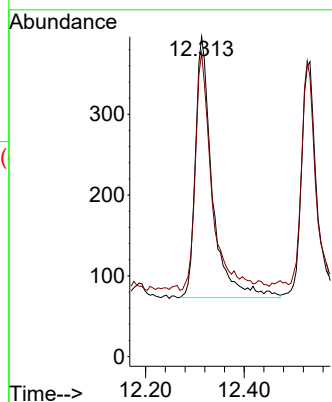
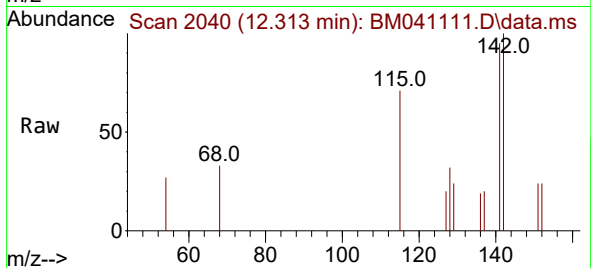




#7
2-Methylnaphthalene
Concen: 0.032 ng/ul
RT: 12.313 min Scan# 2040
Delta R.T. 0.000 min
Lab File: BM041111.D
Acq: 25 Jul 2023 18:20

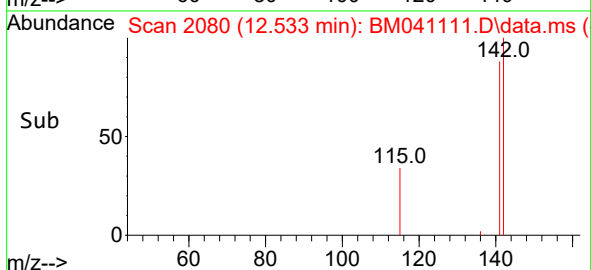
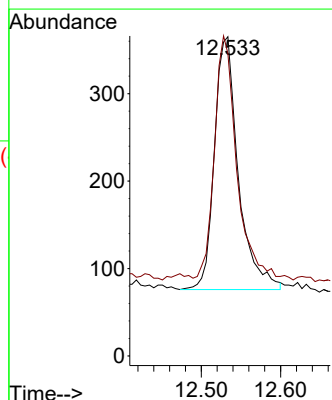
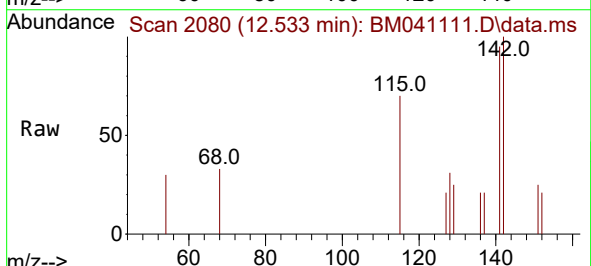
Instrument :
BNA_P
ClientSampleId :
A4721DL

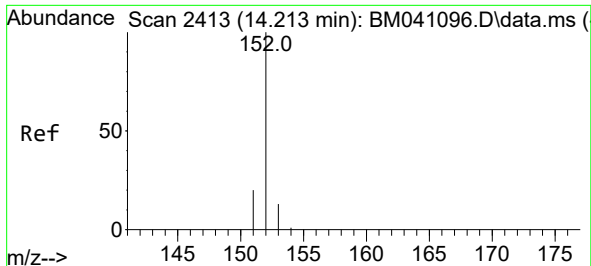
Tgt Ion:142 Resp: 769
Ion Ratio Lower Upper
142 100
141 88.6 73.3 109.9



#8
1-Methylnaphthalene
Concen: 0.024 ng/ul
RT: 12.533 min Scan# 2080
Delta R.T. 0.005 min
Lab File: BM041111.D
Acq: 25 Jul 2023 18:20

Tgt Ion:142 Resp: 606
Ion Ratio Lower Upper
142 100
141 88.4 73.6 110.4

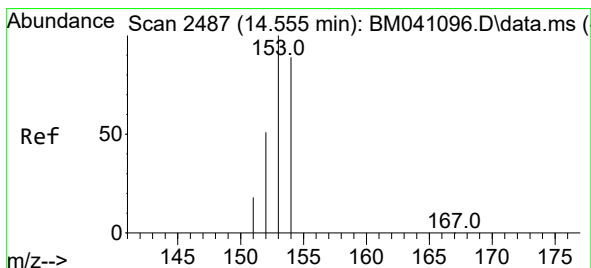
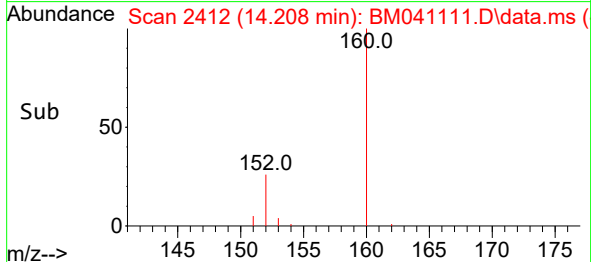
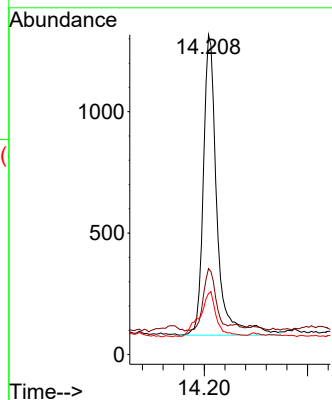
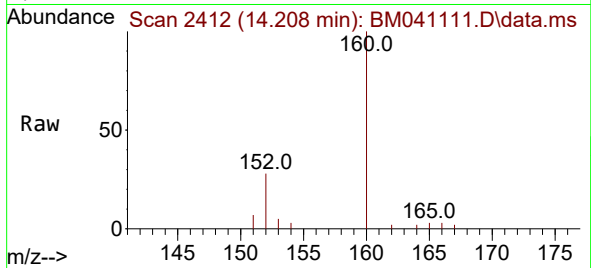




#10
Acenaphthylene
Concen: 0.066 ng/ul
RT: 14.208 min Scan# 2412
Delta R.T. -0.005 min
Lab File: BM041111.D
Acq: 25 Jul 2023 18:20

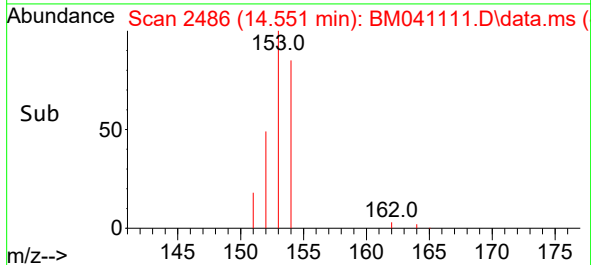
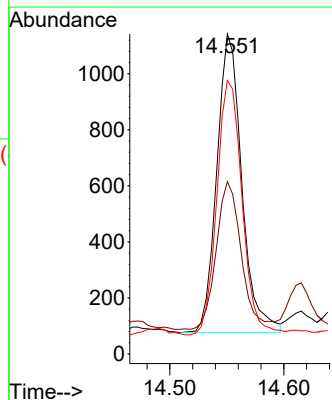
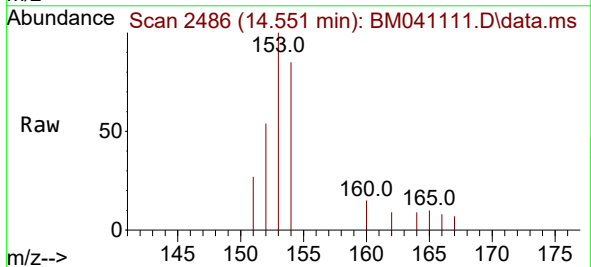
Instrument :
BNA_P
ClientSampleId :
A4721DL

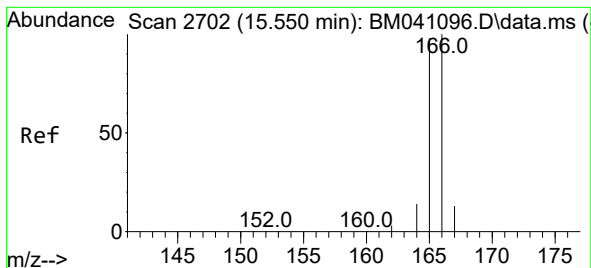
Tgt Ion:152 Resp: 2260
Ion Ratio Lower Upper
152 100
151 26.9 16.8 25.2#
153 19.1 11.4 17.2#



#11
Acenaphthene
Concen: 0.056 ng/ul
RT: 14.551 min Scan# 2486
Delta R.T. -0.005 min
Lab File: BM041111.D
Acq: 25 Jul 2023 18:20

Tgt Ion:153 Resp: 1624
Ion Ratio Lower Upper
153 100
152 53.9 40.2 60.4
154 85.5 70.3 105.5





#12

Fluorene

Concen: 0.067 ng/ul

RT: 15.545 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM041111.D

Acq: 25 Jul 2023 18:20

Instrument :

BNA_P

ClientSampleId :

A4721DL

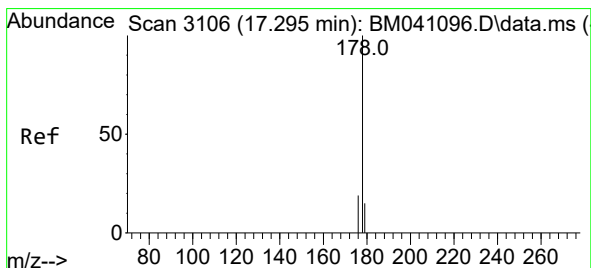
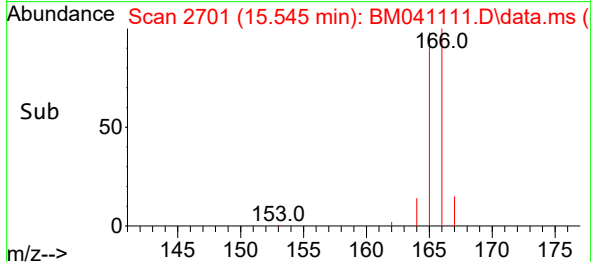
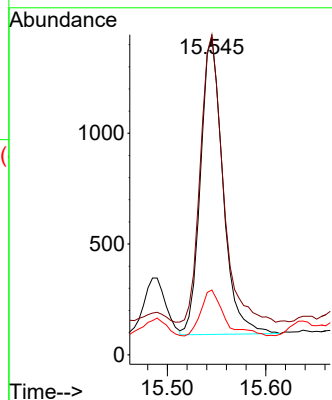
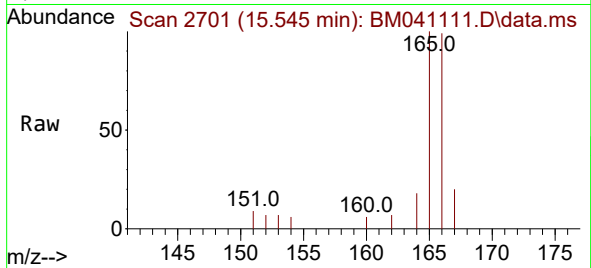
Tgt Ion:166 Resp: 2112

Ion Ratio Lower Upper

166 100

165 100.8 79.4 119.0

167 20.4 11.4 17.2#



#15

Phenanthrene

Concen: 0.632 ng/ul

RT: 17.287 min Scan# 3104

Delta R.T. -0.008 min

Lab File: BM041111.D

Acq: 25 Jul 2023 18:20

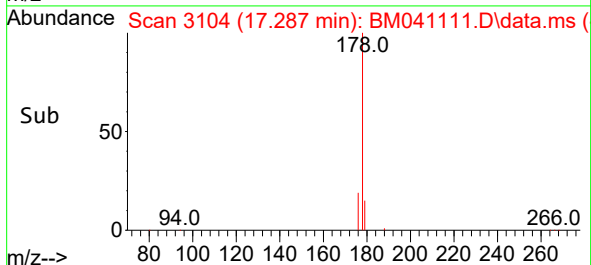
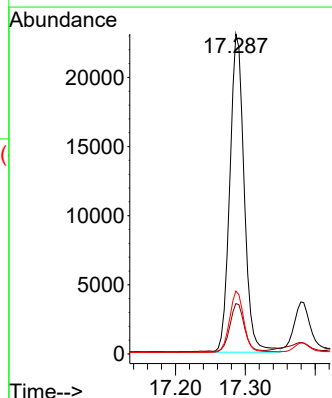
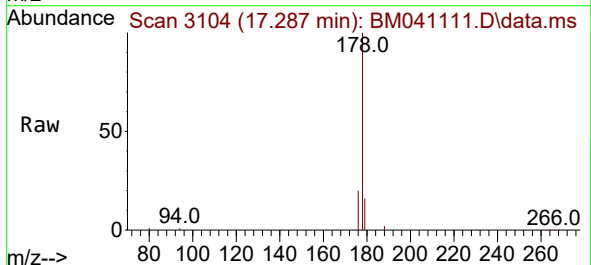
Tgt Ion:178 Resp: 32853

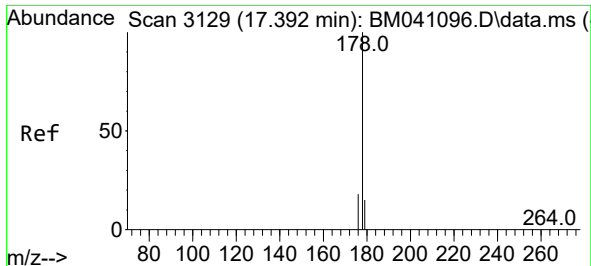
Ion Ratio Lower Upper

178 100

179 15.7 13.4 20.2

176 19.7 16.0 24.0

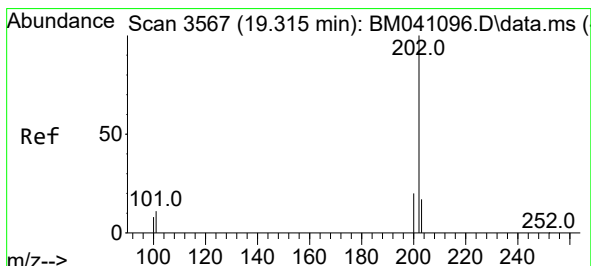
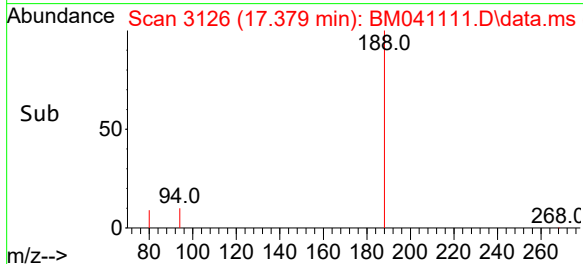
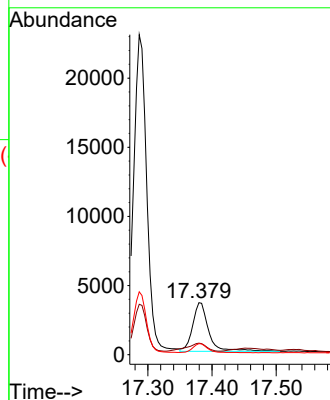
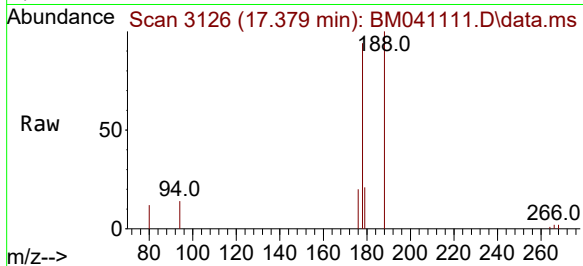




#16
 Anthracene
 Concen: 0.144 ng/ul
 RT: 17.379 min Scan# 3129
 Delta R.T. -0.013 min
 Lab File: BM041111.D
 Acq: 25 Jul 2023 18:20

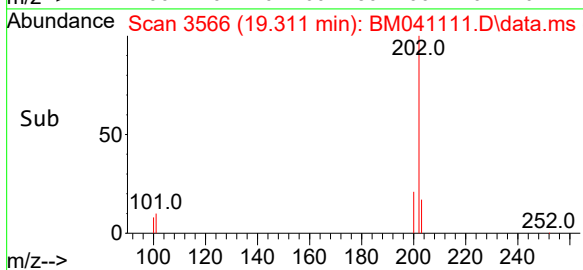
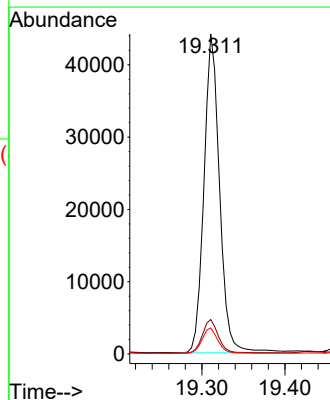
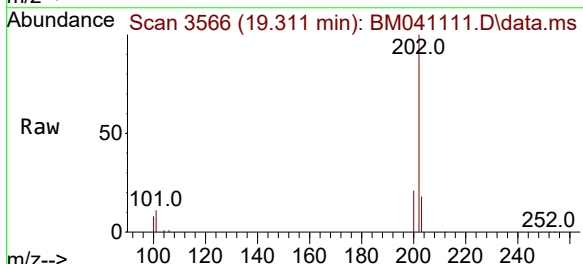
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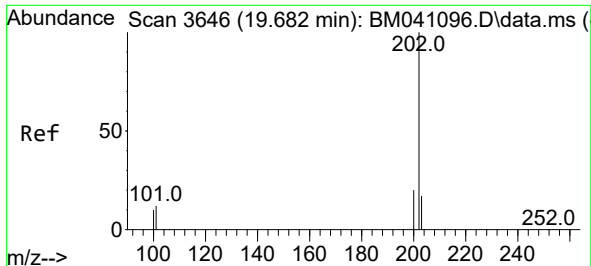
Tgt Ion:178 Resp: 6067
 Ion Ratio Lower Upper
 178 100
 179 22.3 13.6 20.4#
 176 21.3 16.0 24.0



#19
 Fluoranthene
 Concen: 1.184 ng/ul
 RT: 19.311 min Scan# 3566
 Delta R.T. -0.005 min
 Lab File: BM041111.D
 Acq: 25 Jul 2023 18:20

Tgt Ion:202 Resp: 57941
 Ion Ratio Lower Upper
 202 100
 101 10.8 9.4 14.0
 100 8.2 7.1 10.7

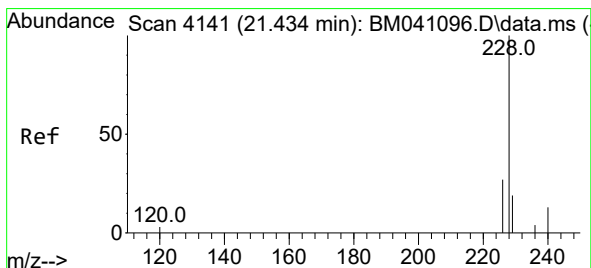
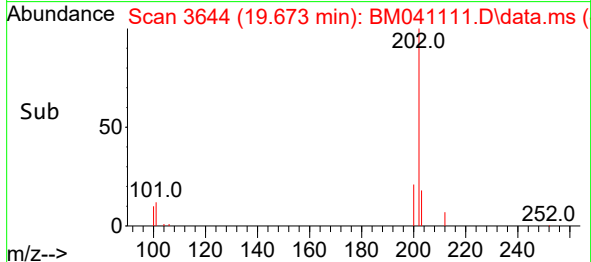
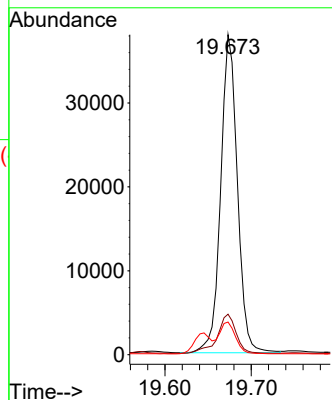
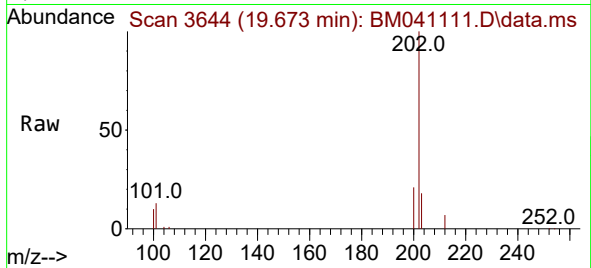




#20
Pyrene
Concen: 0.948 ng/ul
RT: 19.673 min Scan# 30
Delta R.T. -0.009 min
Lab File: BM041111.D
Acq: 25 Jul 2023 18:20

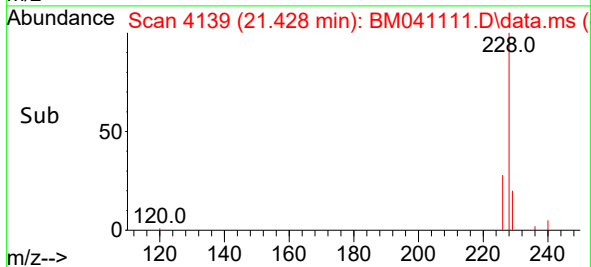
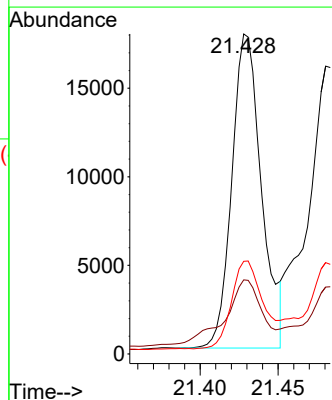
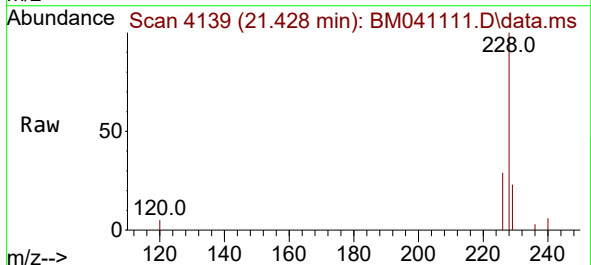
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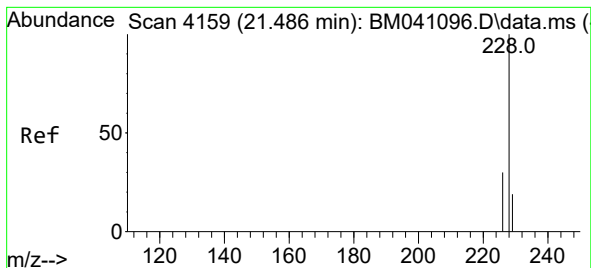
Tgt Ion:202 Resp: 51144
Ion Ratio Lower Upper
202 100
101 12.7 10.7 16.1
100 10.2 8.5 12.7



#21
Benzo(a)anthracene
Concen: 0.514 ng/ul
RT: 21.428 min Scan# 4139
Delta R.T. -0.006 min
Lab File: BM041111.D
Acq: 25 Jul 2023 18:20

Tgt Ion:228 Resp: 23447
Ion Ratio Lower Upper
228 100
229 23.1 16.5 24.7
226 29.0 22.2 33.2





#22

Chrysene

Concen: 0.488 ng/ul

RT: 21.480 min Scan# 4159

Delta R.T. -0.006 min

Lab File: BM041111.D

Acq: 25 Jul 2023 18:20

Instrument :

BNA_P

ClientSampleId :

A4721DL

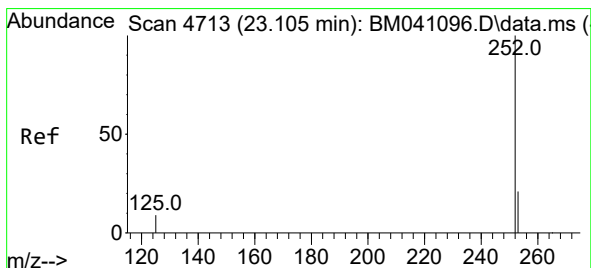
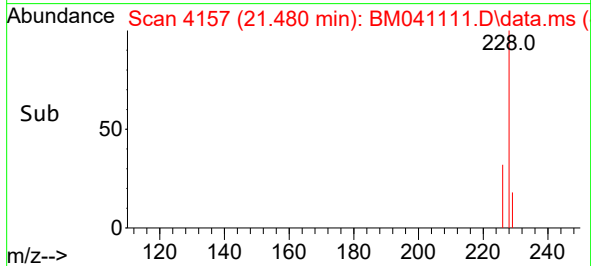
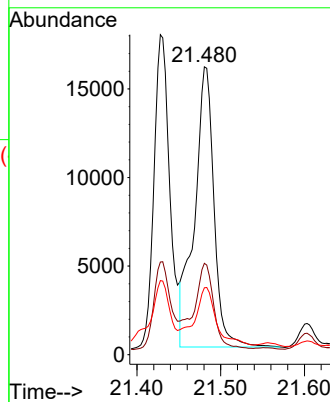
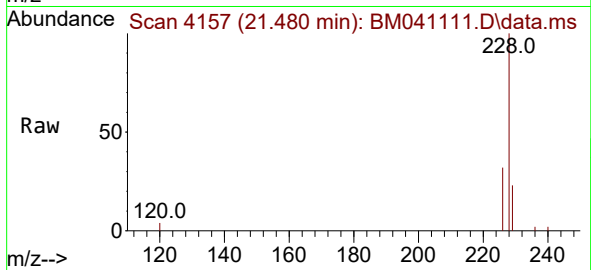
Tgt Ion:228 Resp: 25755

Ion Ratio Lower Upper

228 100

226 31.7 24.2 36.4

229 23.2 15.9 23.9



#24

Benzo(b)fluoranthene

Concen: 0.622 ng/ul

RT: 23.103 min Scan# 4712

Delta R.T. -0.003 min

Lab File: BM041111.D

Acq: 25 Jul 2023 18:20

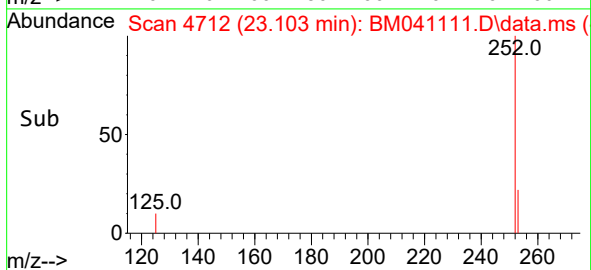
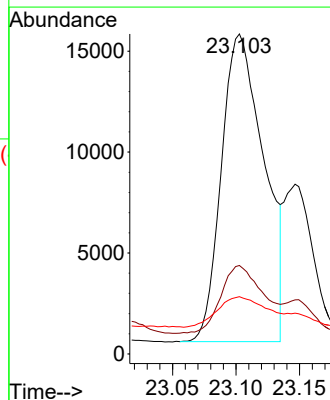
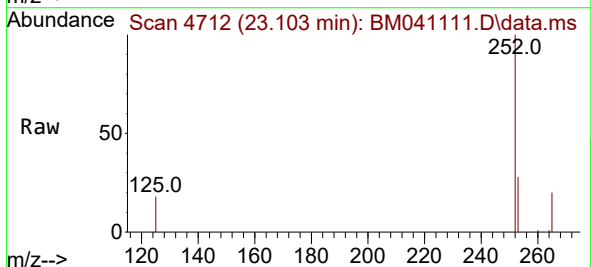
Tgt Ion:252 Resp: 35588

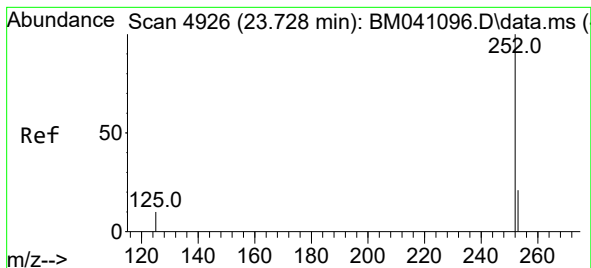
Ion Ratio Lower Upper

252 100

253 27.7 0.0 57.6

125 17.9 0.0 33.6





#26

Benzo(a)pyrene

Concen: 0.473 ng/ul

RT: 23.719 min Scan# 4923

Delta R.T. -0.009 min

Lab File: BM041111.D

Acq: 25 Jul 2023 18:20

Instrument :

BNA_P

ClientSampleId :

A4721DL

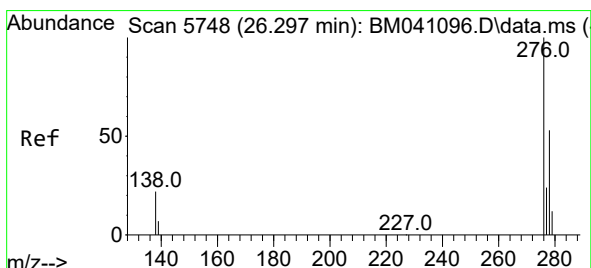
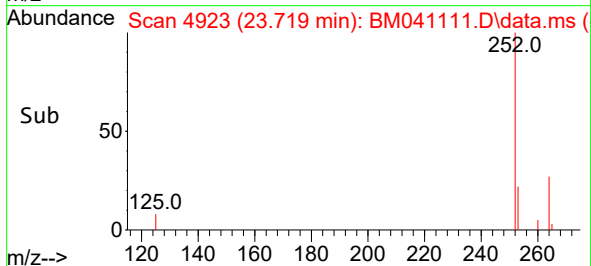
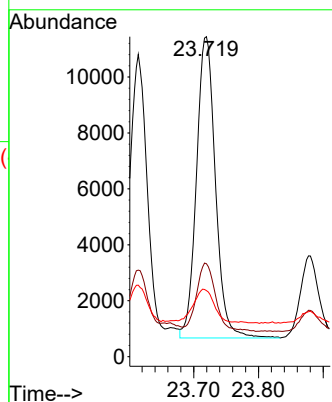
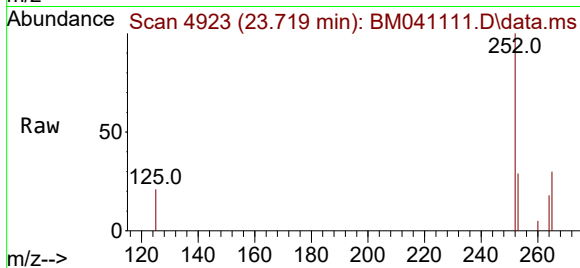
Tgt Ion:252 Resp: 21949

Ion Ratio Lower Upper

252 100

253 29.1 26.7 40.1

125 20.7 18.1 27.1



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.278 ng/ul

RT: 26.284 min Scan# 5744

Delta R.T. -0.013 min

Lab File: BM041111.D

Acq: 25 Jul 2023 18:20

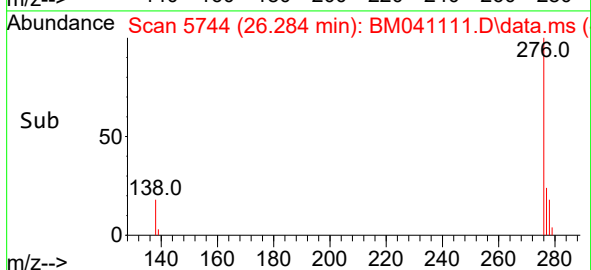
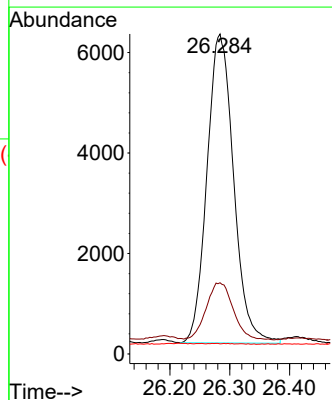
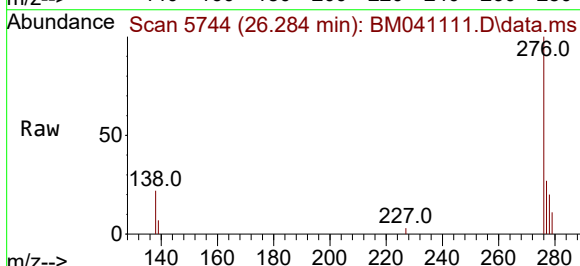
Tgt Ion:276 Resp: 19054

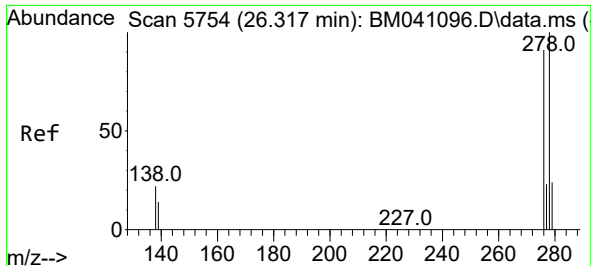
Ion Ratio Lower Upper

276 100

138 18.7 18.1 27.1

227 0.1 0.2 0.2#

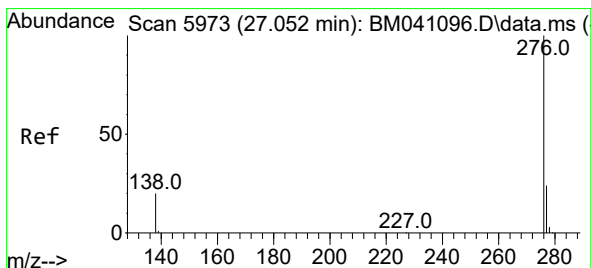
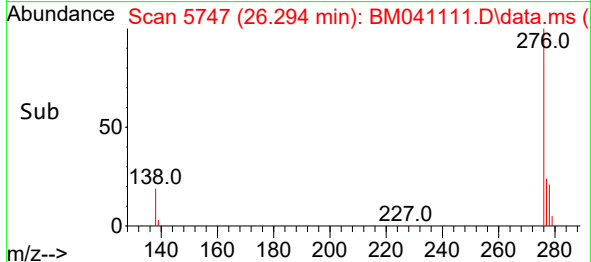
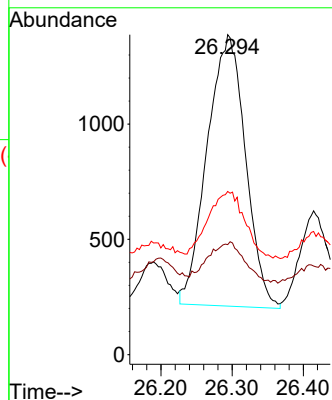
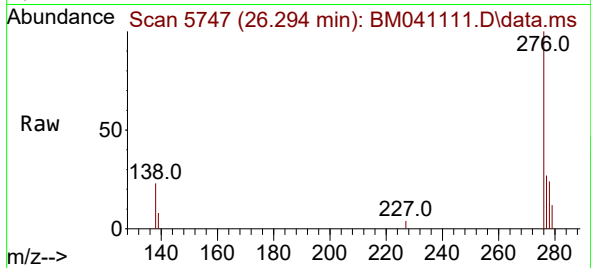




#28
Dibenzo(a,h)anthracene
Concen: 0.082 ng/ul
RT: 26.294 min Scan# 51
Delta R.T. -0.023 min
Lab File: BM041111.D
Acq: 25 Jul 2023 18:20

Instrument :
BNA_P
ClientSampleId :
A4721DL

Tgt Ion:278 Resp: 4391
Ion Ratio Lower Upper
278 100
139 34.4 14.1 21.1#
279 51.0 25.0 37.4#



#29
Benzo(g,h,i)perylene
Concen: 0.300 ng/ul
RT: 27.042 min Scan# 5970
Delta R.T. -0.010 min
Lab File: BM041111.D
Acq: 25 Jul 2023 18:20

Tgt Ion:276 Resp: 18431
Ion Ratio Lower Upper
276 100
138 22.6 18.2 27.2
277 26.4 20.6 30.8

