

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041116.D
 Acq On : 25 Jul 2023 21:26
 Operator : MA/JU
 Sample : 03534-18DL 5X
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4736DL

Quant Time: Jul 26 04:41:45 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)

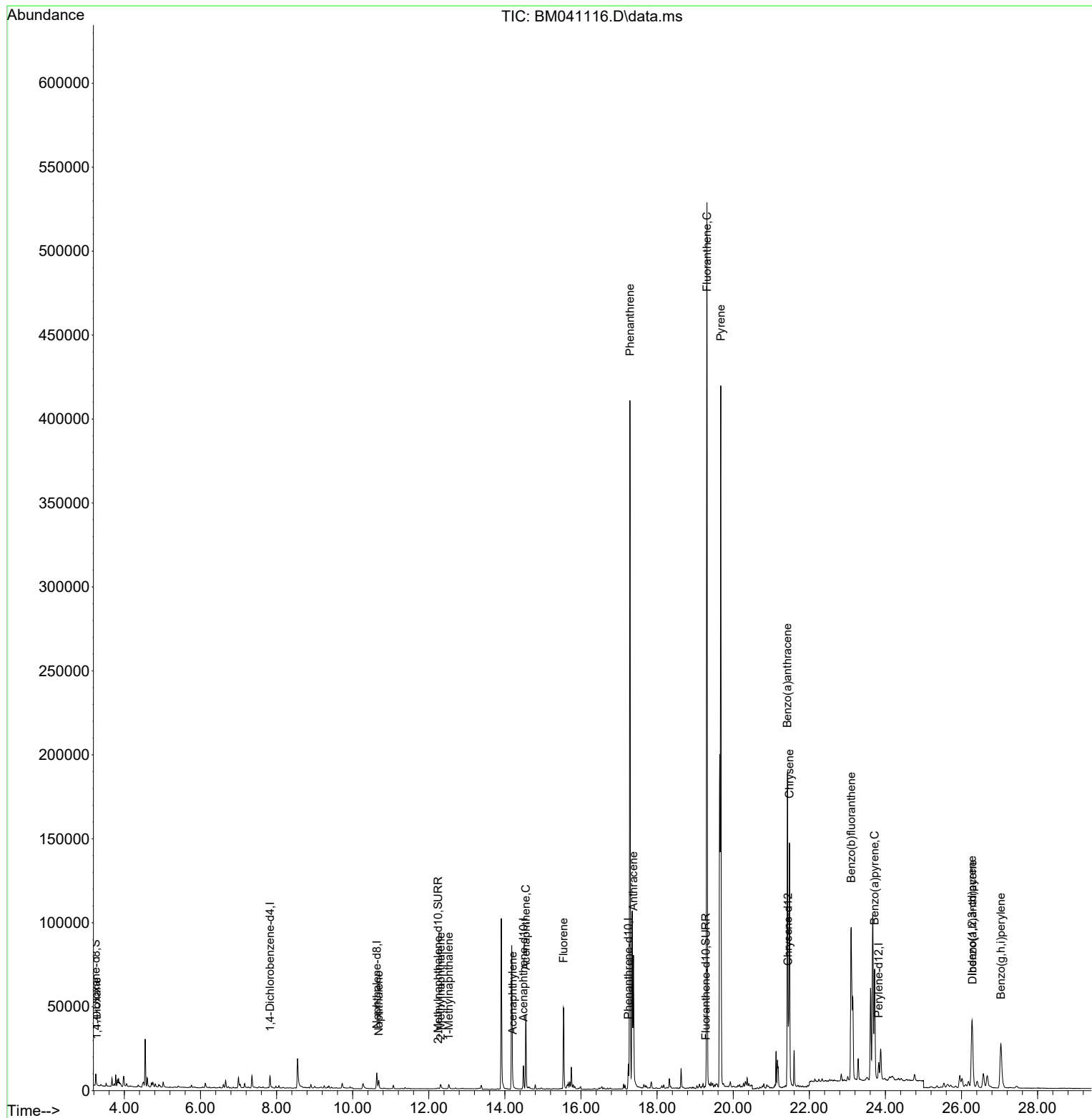
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	4097	0.400	ng/ul	0.00
4) Naphthalene-d8	10.636	136	14196	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.490	164	7751	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.244	188	16976	0.400	ng/ul	0.00
17) Chrysene-d12	21.442	240	13178	0.400	ng/ul	0.00
23) Perylene-d12	23.825	264	13535	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.250	96	3954	0.626	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.242	152	945	0.047	ng/ul	0.00
18) Fluoranthene-d10	19.278	212	1970	0.055	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.275	88	154	0.024	ng/ul#	1
5) Naphthalene	10.686	128	7056	0.153	ng/ul	98
7) 2-Methylnaphthalene	12.313	142	2687	0.119	ng/ul	96
8) 1-Methylnaphthalene	12.528	142	2025	0.087	ng/ul	99
10) Acenaphthylene	14.208	152	2975	0.091	ng/ul#	89
11) Acenaphthene	14.550	153	24584	0.890	ng/ul	99
12) Fluorene	15.540	166	32071	1.064	ng/ul	100
15) Phenanthrene	17.286	178	408393	7.804	ng/ul	98
16) Anthracene	17.379	178	83920	1.981	ng/ul	98
19) Fluoranthene	19.311	202	438986	9.295	ng/ul	96
20) Pyrene	19.673	202	347394	6.671	ng/ul	98
21) Benzo(a)anthracene	21.425	228	156279	3.547	ng/ul	99
22) Chrysene	21.477	228	141926	2.789	ng/ul	99
24) Benzo(b)fluoranthene	23.100	252	162590	3.015	ng/ul	89
26) Benzo(a)pyrene	23.716	252	96206	2.202	ng/ul#	80
27) Indeno(1,2,3-cd)pyrene	26.277	276	71249	1.102	ng/ul	93
28) Dibenzo(a,h)anthracene	26.287	278	17885	0.353	ng/ul	97
29) Benzo(g,h,i)perylene	27.035	276	61518	1.064	ng/ul	97

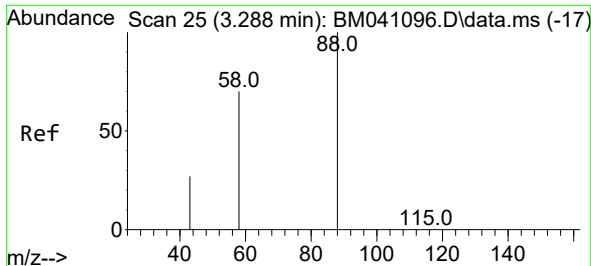
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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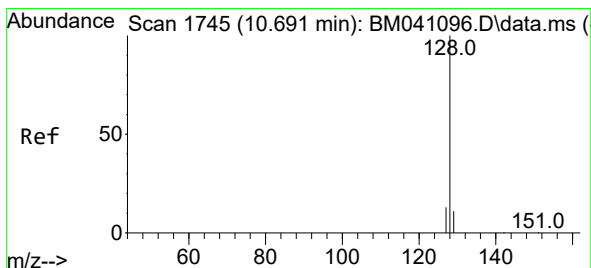
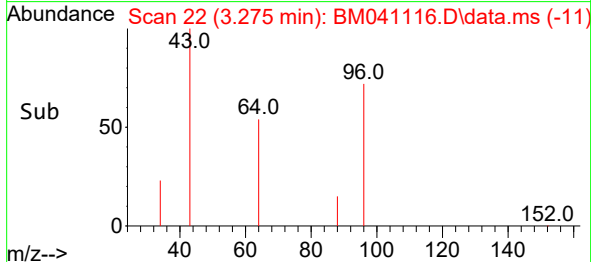
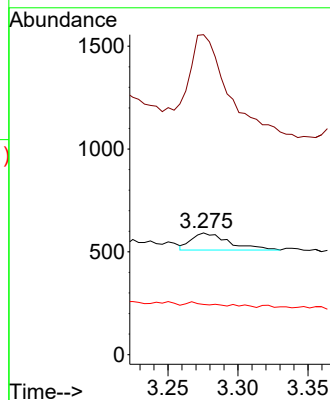
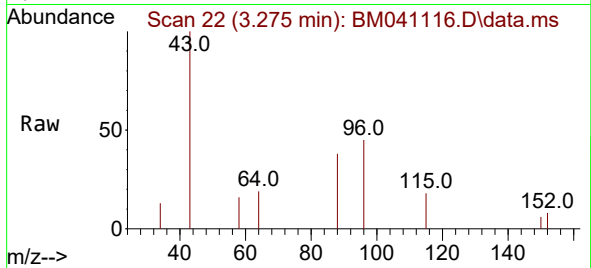




#2
1,4-Dioxane
Concen: 0.024 ng/ul
RT: 3.275 min Scan# 21
Delta R.T. -0.013 min
Lab File: BM041116.D
Acq: 25 Jul 2023 21:26

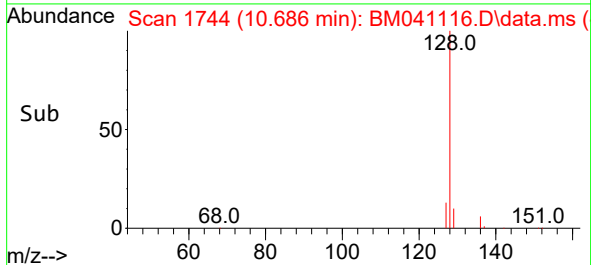
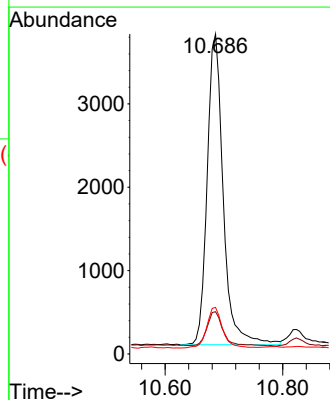
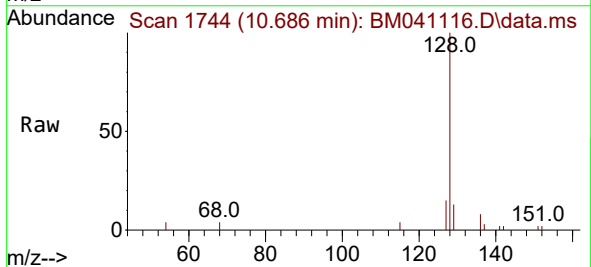
Instrument :
BNA_P
ClientSampleId :
A4736DL

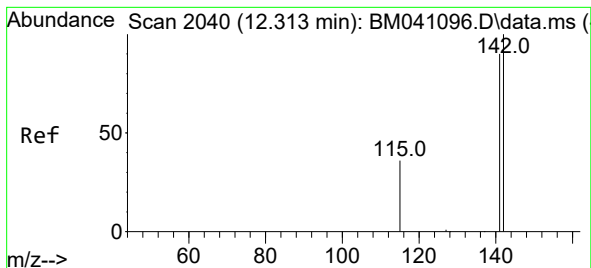
Tgt Ion: 88 Resp: 154
Ion Ratio Lower Upper
88 100
43 262.8 83.1 124.7#
58 41.2 38.8 58.2



#5
Naphthalene
Concen: 0.153 ng/ul
RT: 10.686 min Scan# 1744
Delta R.T. -0.006 min
Lab File: BM041116.D
Acq: 25 Jul 2023 21:26

Tgt Ion: 128 Resp: 7056
Ion Ratio Lower Upper
128 100
129 13.2 9.8 14.8
127 14.6 11.1 16.7

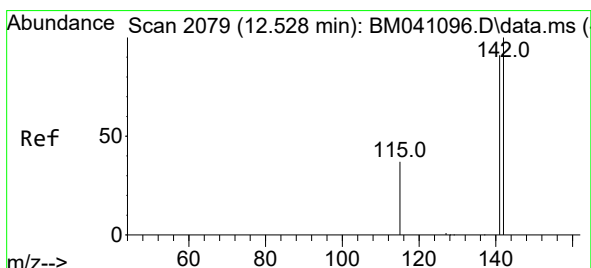
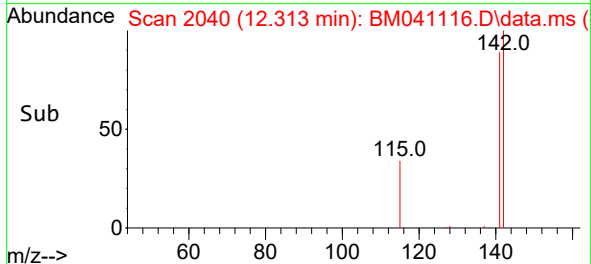
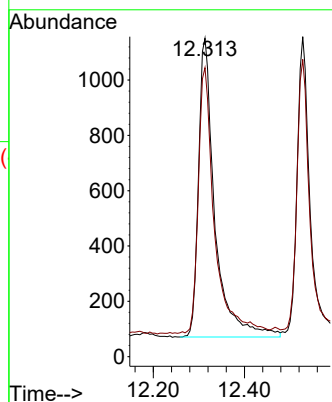
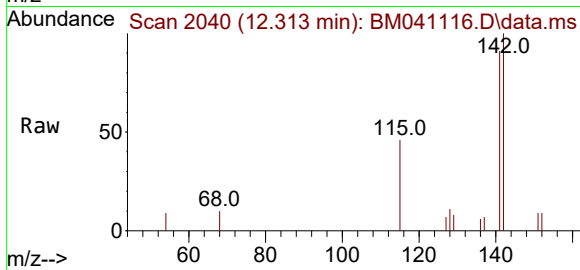




#7
2-Methylnaphthalene
Concen: 0.119 ng/ul
RT: 12.313 min Scan# 2040
Delta R.T. -0.000 min
Lab File: BM041116.D
Acq: 25 Jul 2023 21:26

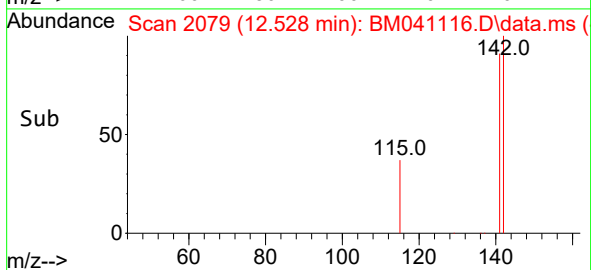
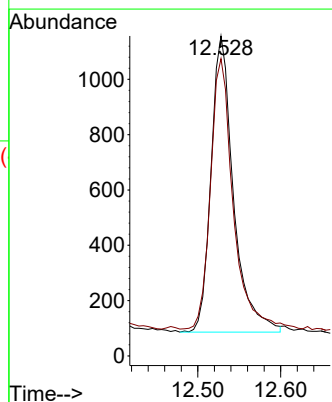
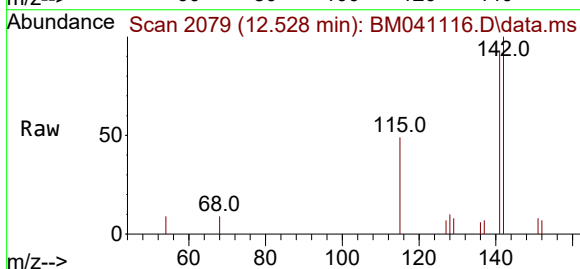
Instrument :
BNA_P
ClientSampleId :
A4736DL

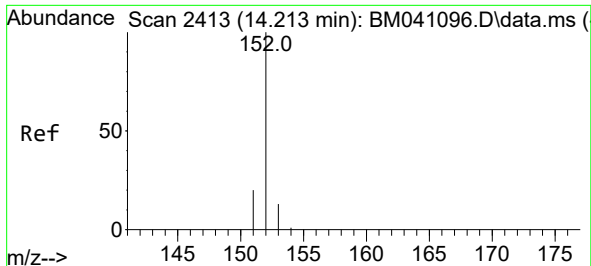
Tgt Ion:142 Resp: 2687
Ion Ratio Lower Upper
142 100
141 87.8 73.3 109.9



#8
1-Methylnaphthalene
Concen: 0.087 ng/ul
RT: 12.528 min Scan# 2079
Delta R.T. -0.000 min
Lab File: BM041116.D
Acq: 25 Jul 2023 21:26

Tgt Ion:142 Resp: 2025
Ion Ratio Lower Upper
142 100
141 90.9 73.6 110.4

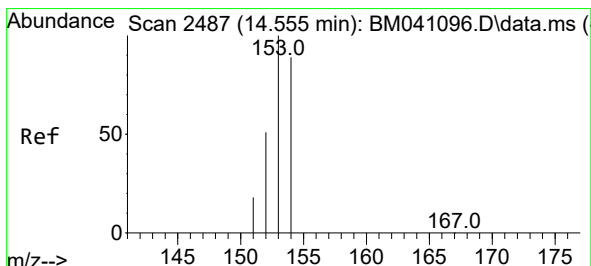
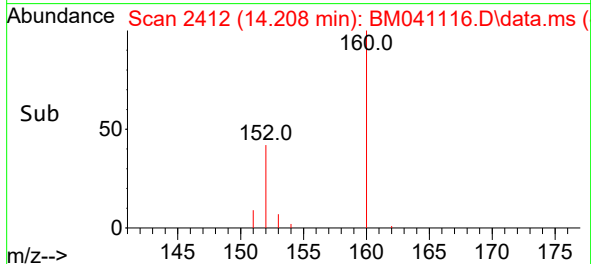
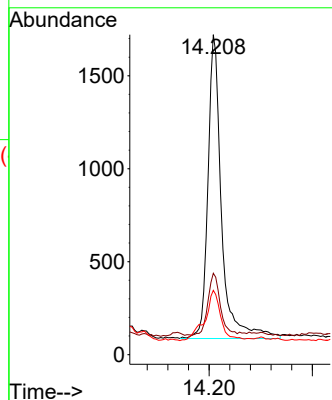
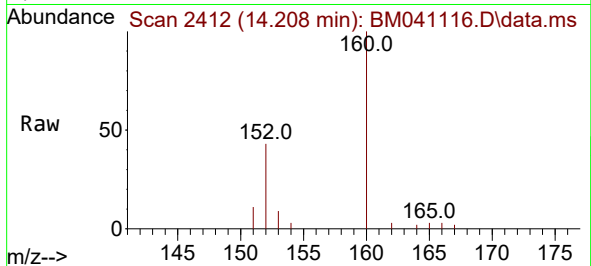




#10
Acenaphthylene
Concen: 0.091 ng/ul
RT: 14.208 min Scan# 2413
Delta R.T. -0.005 min
Lab File: BM041116.D
Acq: 25 Jul 2023 21:26

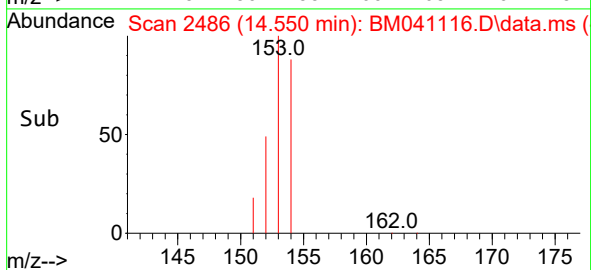
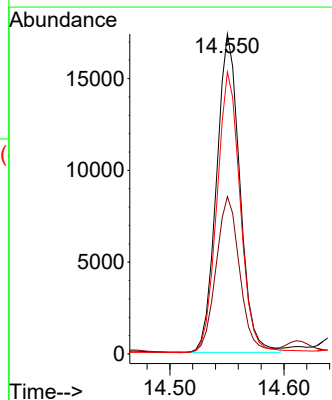
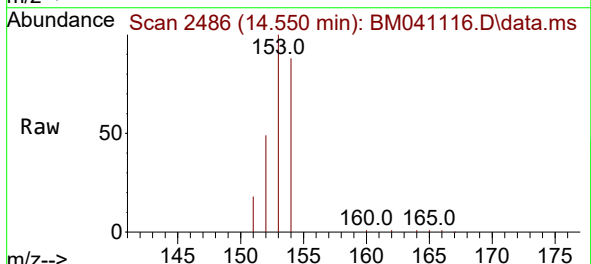
Instrument :
BNA_P
ClientSampleId :
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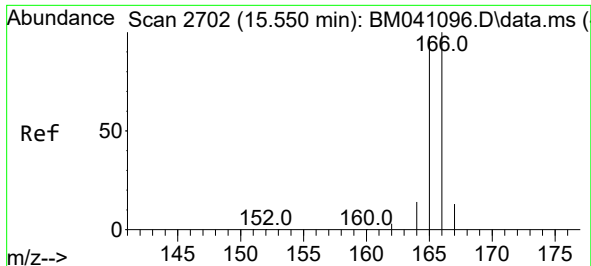
Tgt Ion:152 Resp: 2975
Ion Ratio Lower Upper
152 100
151 25.5 16.8 25.2#
153 20.1 11.4 17.2#



#11
Acenaphthene
Concen: 0.890 ng/ul
RT: 14.550 min Scan# 2486
Delta R.T. -0.005 min
Lab File: BM041116.D
Acq: 25 Jul 2023 21:26

Tgt Ion:153 Resp: 24584
Ion Ratio Lower Upper
153 100
152 49.2 40.2 60.4
154 88.2 70.3 105.5

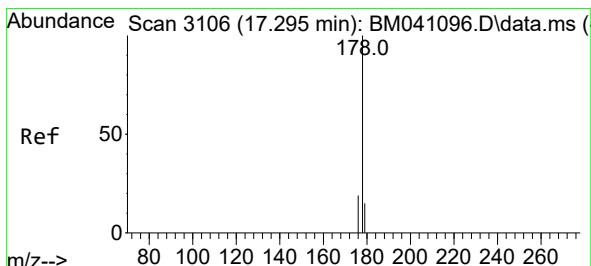
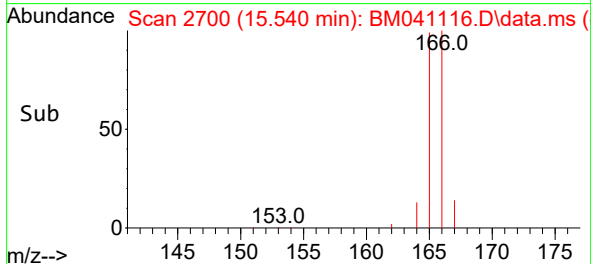
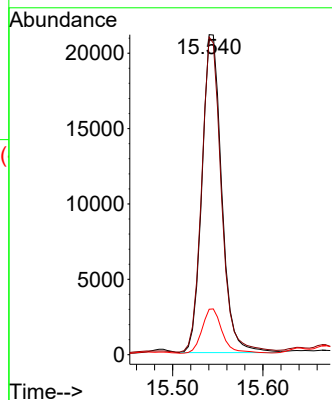
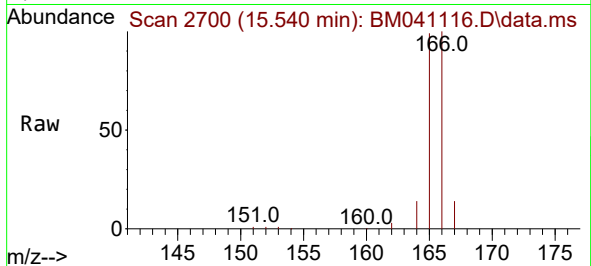




#12
Fluorene
Concen: 1.064 ng/ul
RT: 15.540 min Scan# 21
Delta R.T. -0.009 min
Lab File: BM041116.D
Acq: 25 Jul 2023 21:26

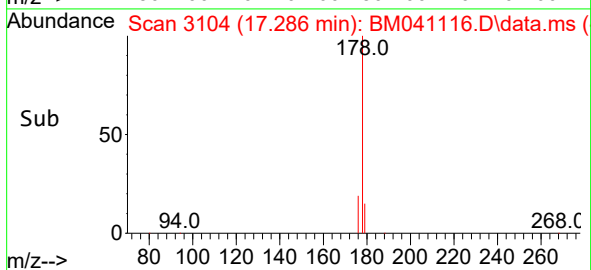
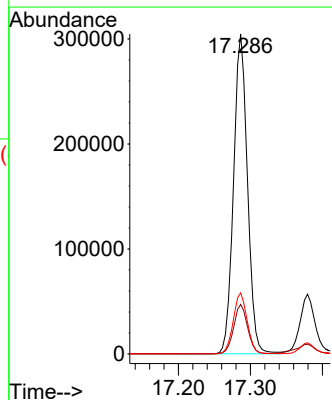
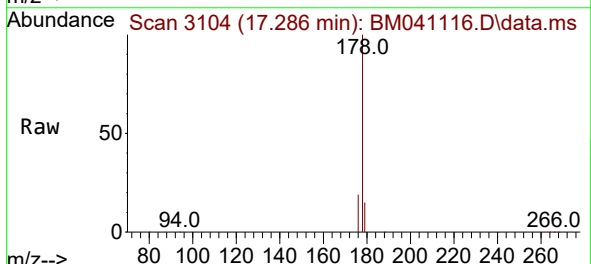
Instrument :
BNA_P
ClientSampleId :
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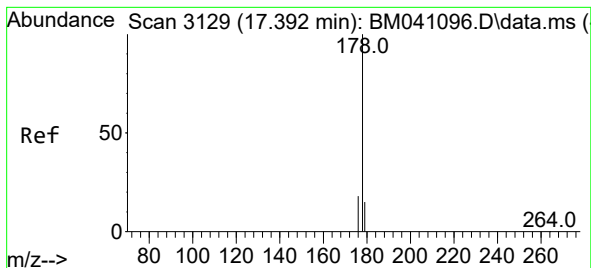
Tgt Ion:166 Resp: 32071
Ion Ratio Lower Upper
166 100
165 99.2 79.4 119.0
167 14.2 11.4 17.2



#15
Phenanthrene
Concen: 7.804 ng/ul
RT: 17.286 min Scan# 3104
Delta R.T. -0.009 min
Lab File: BM041116.D
Acq: 25 Jul 2023 21:26

Tgt Ion:178 Resp: 408393
Ion Ratio Lower Upper
178 100
179 15.5 13.4 20.2
176 19.1 16.0 24.0





#16

Anthracene

Concen: 1.981 ng/ul

RT: 17.379 min Scan# 3129

Delta R.T. -0.013 min

Lab File: BM041116.D

Acq: 25 Jul 2023 21:26

Instrument :

BNA_P

ClientSampleId :

A4736DL

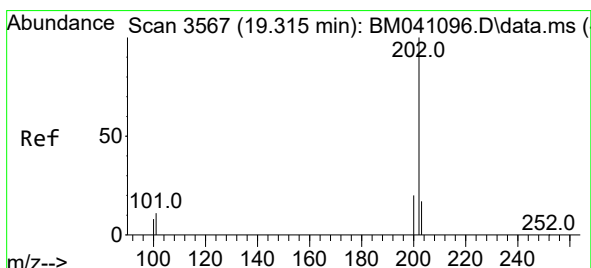
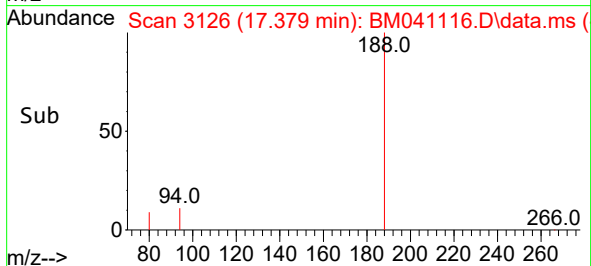
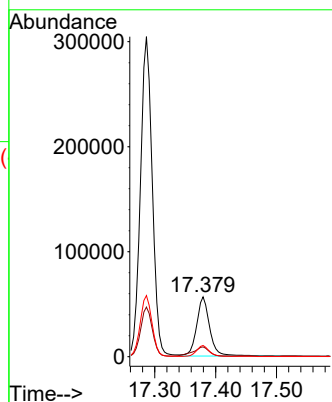
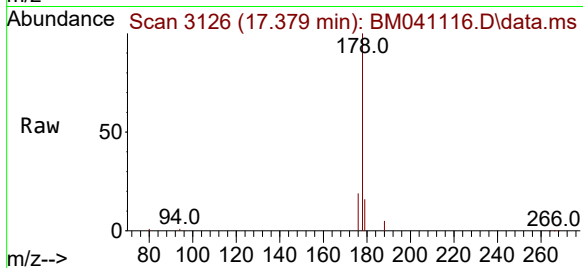
Tgt Ion:178 Resp: 83920

Ion Ratio Lower Upper

178 100

179 16.4 13.6 20.4

176 18.7 16.0 24.0



#19

Fluoranthene

Concen: 9.295 ng/ul

RT: 19.311 min Scan# 3566

Delta R.T. -0.005 min

Lab File: BM041116.D

Acq: 25 Jul 2023 21:26

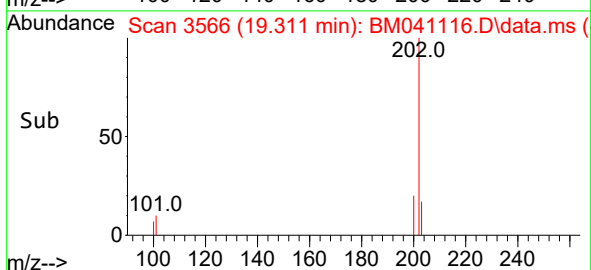
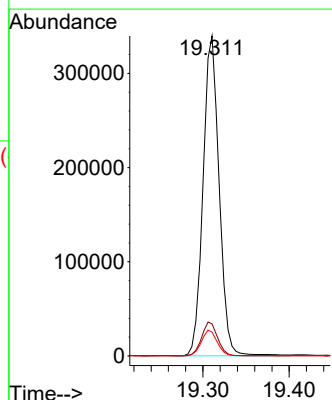
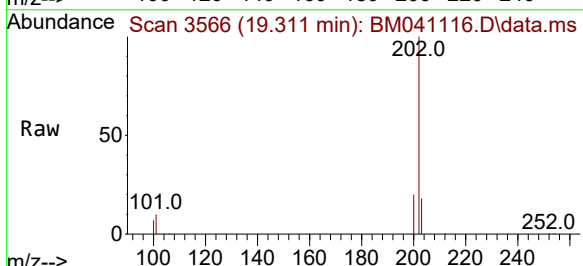
Tgt Ion:202 Resp: 438986

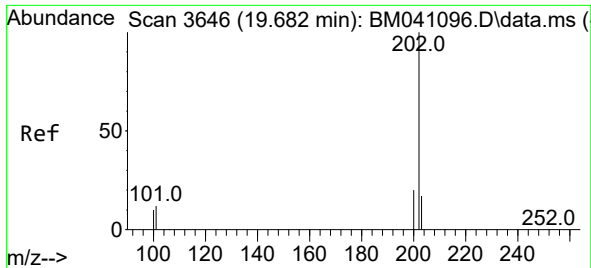
Ion Ratio Lower Upper

202 100

101 10.1 9.4 14.0

100 7.4 7.1 10.7

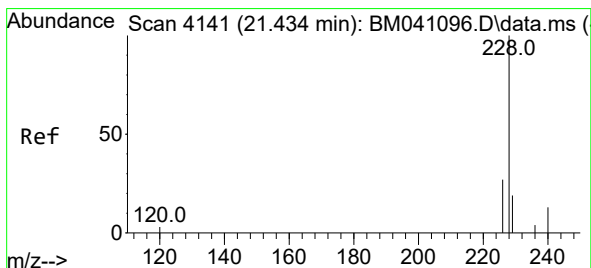
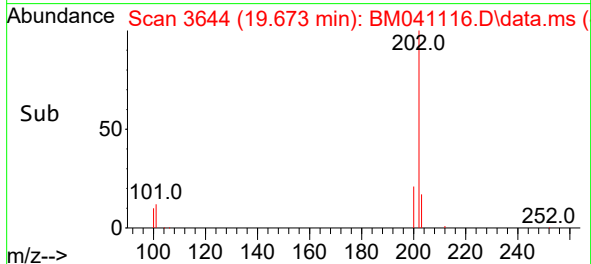
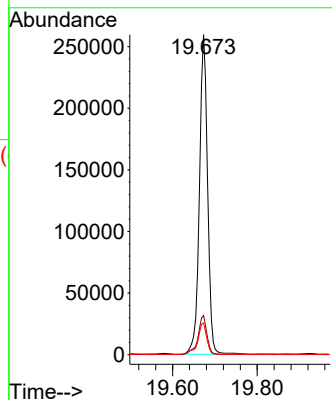
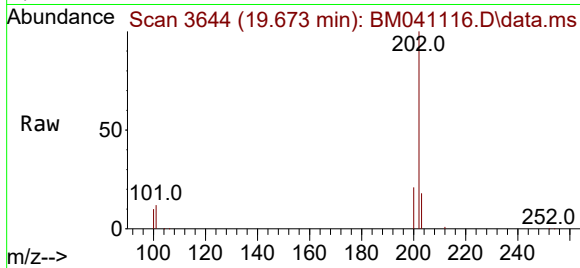




#20
Pyrene
Concen: 6.671 ng/ul
RT: 19.673 min Scan# 3644
Delta R.T. -0.009 min
Lab File: BM041116.D
Acq: 25 Jul 2023 21:26

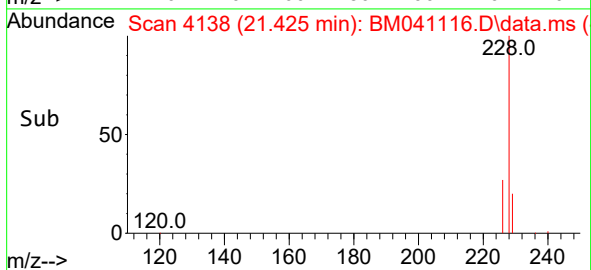
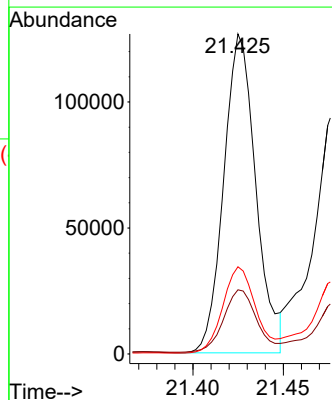
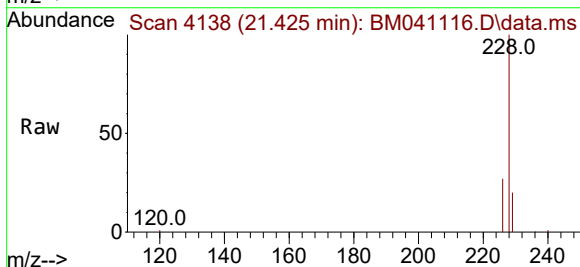
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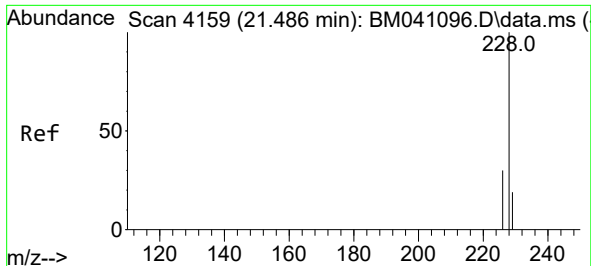
Tgt Ion:202 Resp: 347394
Ion Ratio Lower Upper
202 100
101 12.3 10.7 16.1
100 9.9 8.5 12.7



#21
Benzo(a)anthracene
Concen: 3.547 ng/ul
RT: 21.425 min Scan# 4138
Delta R.T. -0.009 min
Lab File: BM041116.D
Acq: 25 Jul 2023 21:26

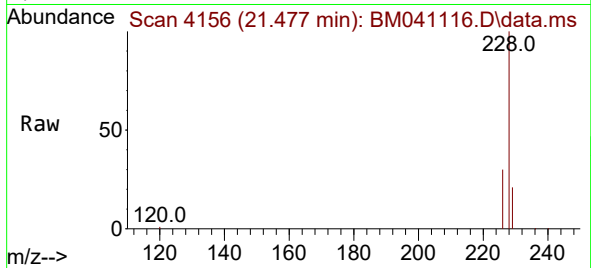
Tgt Ion:228 Resp: 156279
Ion Ratio Lower Upper
228 100
229 20.1 16.5 24.7
226 27.3 22.2 33.2



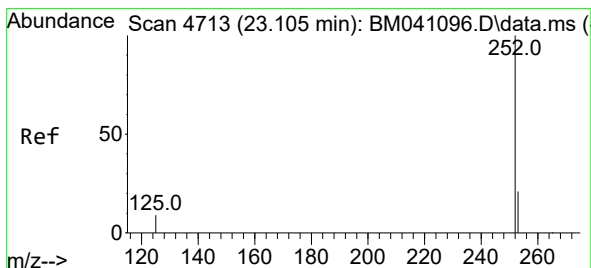
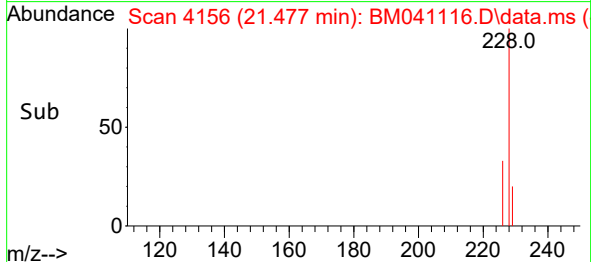
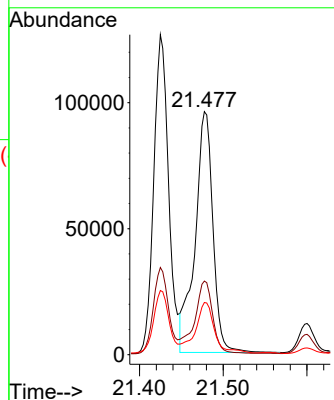


#22
Chrysene
Concen: 2.789 ng/ul
RT: 21.477 min Scan# 4159
Delta R.T. -0.009 min
Lab File: BM041116.D
Acq: 25 Jul 2023 21:26

Instrument :
BNA_P
ClientSampleId :
A4736DL

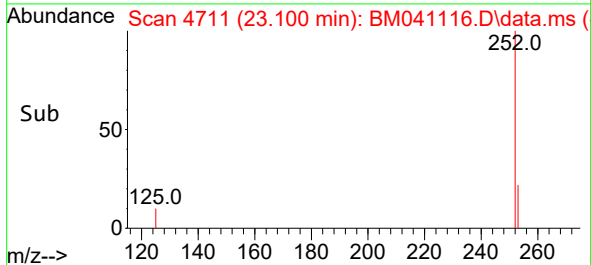
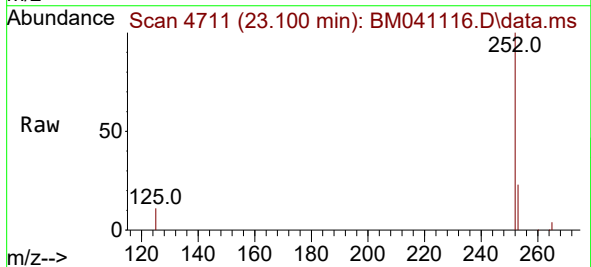
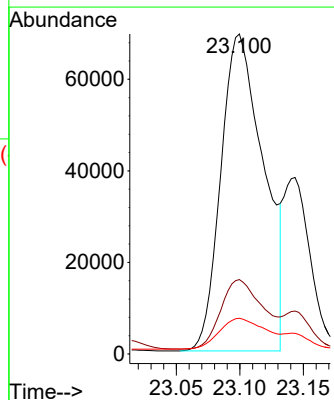


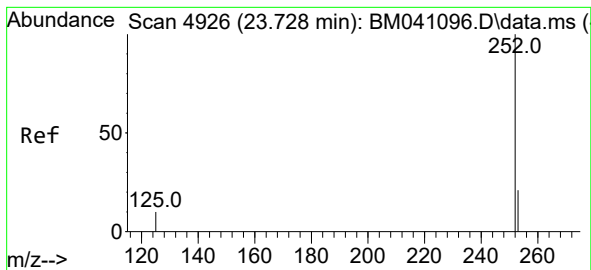
Tgt Ion:228 Resp: 141926
Ion Ratio Lower Upper
228 100
226 30.3 24.2 36.4
229 21.5 15.9 23.9



#24
Benzo(b)fluoranthene
Concen: 3.015 ng/ul
RT: 23.100 min Scan# 4711
Delta R.T. -0.006 min
Lab File: BM041116.D
Acq: 25 Jul 2023 21:26

Tgt Ion:252 Resp: 162590
Ion Ratio Lower Upper
252 100
253 23.3 0.0 57.6
125 11.1 0.0 33.6





#26

Benzo(a)pyrene

Concen: 2.202 ng/ul

RT: 23.716 min Scan# 4922

Delta R.T. -0.012 min

Lab File: BM041116.D

Acq: 25 Jul 2023 21:26

Instrument :

BNA_P

ClientSampleId :

A4736DL

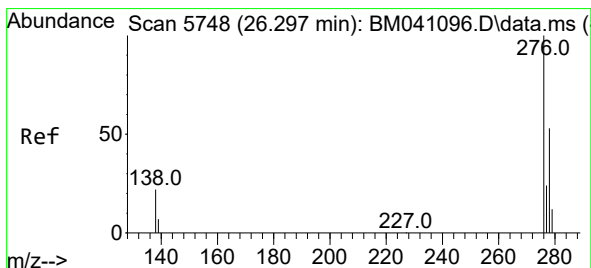
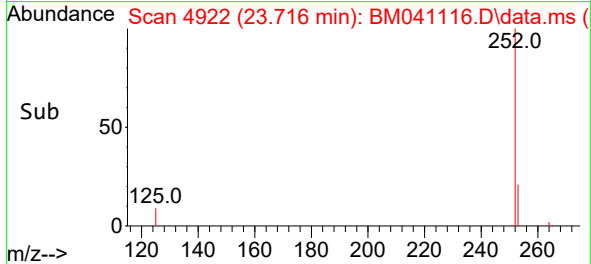
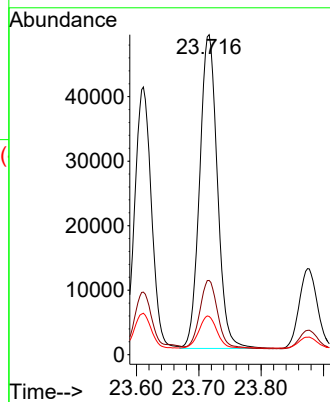
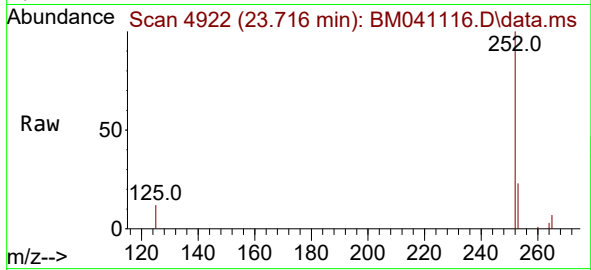
Tgt Ion:252 Resp: 96206

Ion Ratio Lower Upper

252 100

253 23.2 26.7 40.1#

125 12.0 18.1 27.1#



#27

Indeno(1,2,3-cd)pyrene

Concen: 1.102 ng/ul

RT: 26.277 min Scan# 5742

Delta R.T. -0.020 min

Lab File: BM041116.D

Acq: 25 Jul 2023 21:26

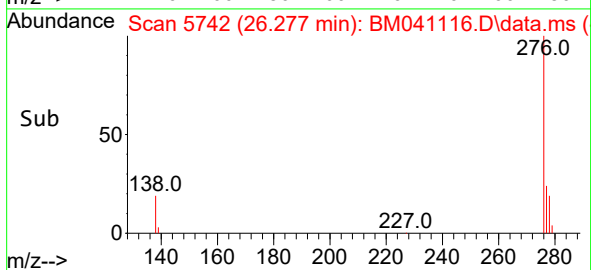
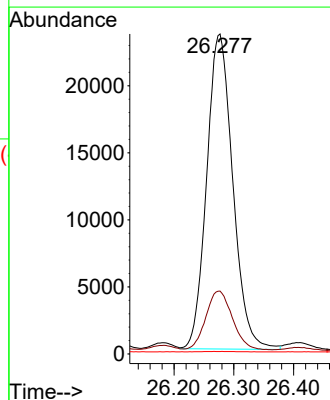
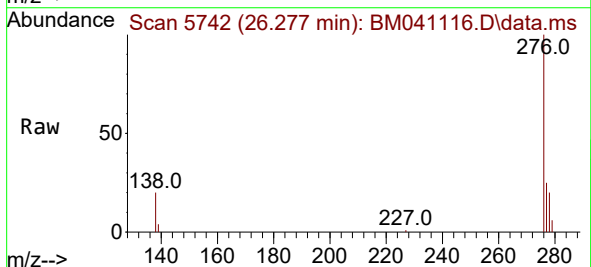
Tgt Ion:276 Resp: 71249

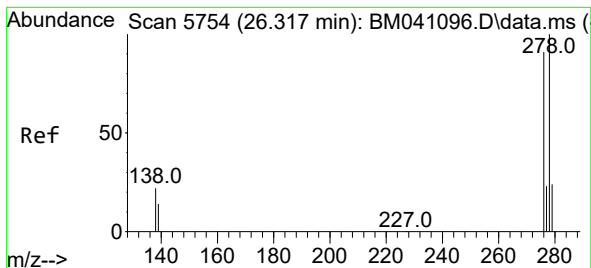
Ion Ratio Lower Upper

276 100

138 19.0 18.1 27.1

227 0.2 0.2 0.2





#28

Dibenzo(a,h)anthracene

Concen: 0.353 ng/ul

RT: 26.287 min Scan# 51

Delta R.T. -0.030 min

Lab File: BM041116.D

Acq: 25 Jul 2023 21:26

Instrument :

BNA_P

ClientSampleId :

A4736DL

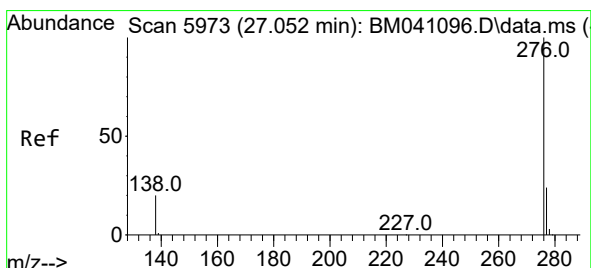
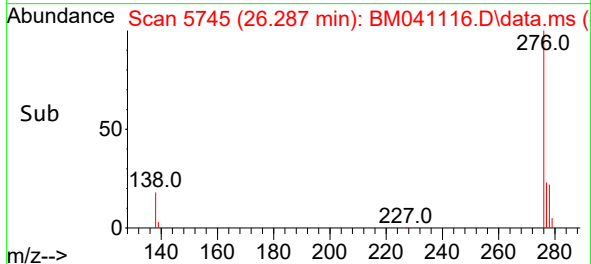
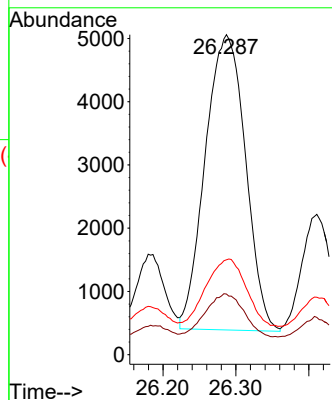
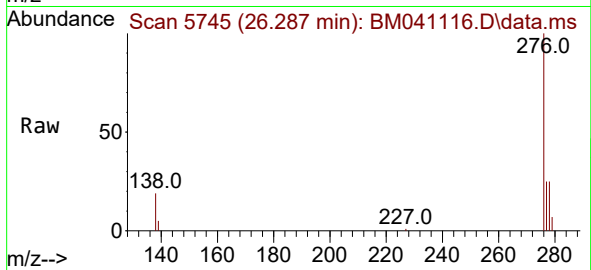
Tgt Ion:278 Resp: 17885

Ion Ratio Lower Upper

278 100

139 18.9 14.1 21.1

279 29.6 25.0 37.4



#29

Benzo(g,h,i)perylene

Concen: 1.064 ng/ul

RT: 27.035 min Scan# 5968

Delta R.T. -0.017 min

Lab File: BM041116.D

Acq: 25 Jul 2023 21:26

Tgt Ion:276 Resp: 61518

Ion Ratio Lower Upper

276 100

138 20.6 18.2 27.2

277 24.8 20.6 30.8

