

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061623\
 Data File : BM040279.D
 Acq On : 16 Jun 2023 14:05
 Operator : MA/JU
 Sample : 03080-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFH2

Quant Time: Jun 16 23:38:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 15 00:31:16 2023
 Response via : Initial Calibration

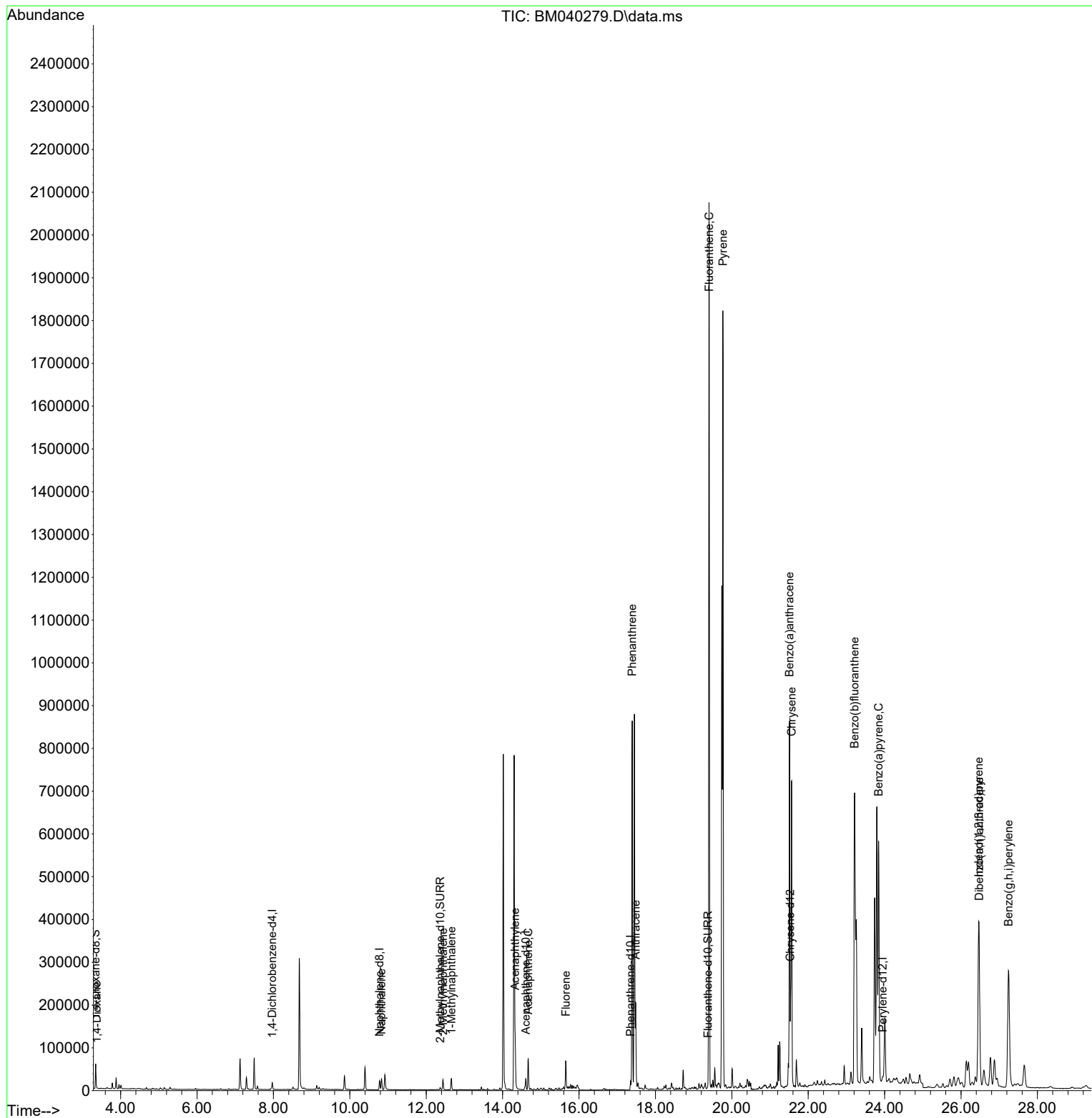
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.970	152	8008	0.400	ng/ul	0.00
4) Naphthalene-d8	10.778	136	28156	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.605	164	13606	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.349	188	23006	0.400	ng/ul	0.00
17) Chrysene-d12	21.526	240	16964	0.400	ng/ul	# 0.00
23) Perylene-d12	23.950	264	18208	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.346	96	32560	3.293	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.367	152	7205	0.202	ng/ul	0.00
18) Fluoranthene-d10	19.375	212	10265	0.243	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.375	88	211	0.020	ng/ul#	1
5) Naphthalene	10.827	128	35298	0.529	ng/ul	99
7) 2-Methylnaphthalene	12.439	142	17194	0.415	ng/ul	99
8) 1-Methylnaphthalene	12.659	142	18827	0.434	ng/ul	98
10) Acenaphthylene	14.327	152	132920	2.793	ng/ul	99
11) Acenaphthene	14.670	153	41235	1.011	ng/ul	100
12) Fluorene	15.655	166	41952	0.923	ng/ul	99
15) Phenanthrene	17.391	178	842048	13.920	ng/ul	99
16) Anthracene	17.484	178	199129	3.886	ng/ul	99
19) Fluoranthene	19.403	202	1677935	29.037	ng/ul	100
20) Pyrene	19.765	202	1444019	24.051	ng/ul	99
21) Benzo(a)anthracene	21.509	228	725844	14.496	ng/ul	98
22) Chrysene	21.564	228	725414	13.714	ng/ul	97
24) Benzo(b)fluoranthene	23.213	252	1164397	17.347	ng/ul	91
26) Benzo(a)pyrene	23.841	252	777041	14.108	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	26.464	276	642402	9.214	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.477	278	157975	2.823	ng/ul	98
29) Benzo(g,h,i)perylene	27.242	276	605069	10.391	ng/ul	99

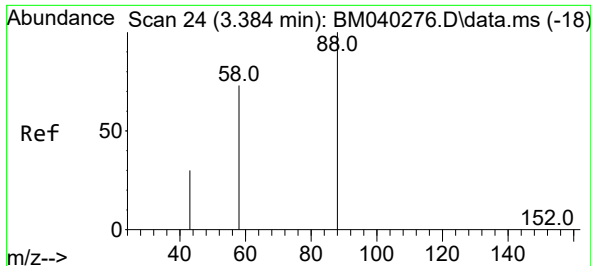
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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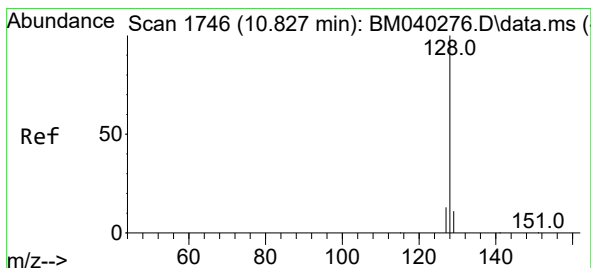
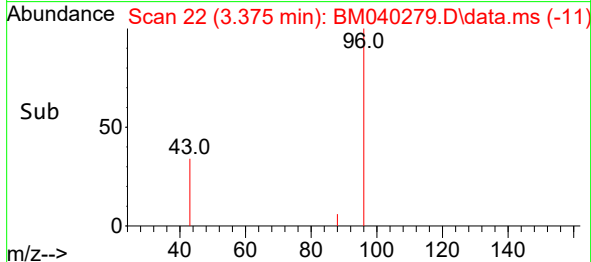
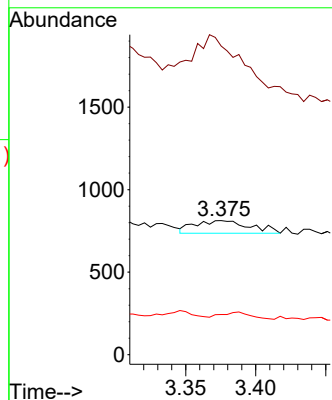
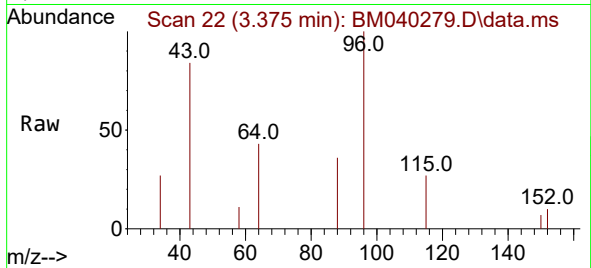




#2
1,4-Dioxane
Concen: 0.020 ng/ul
RT: 3.375 min Scan# 21
Delta R.T. -0.013 min
Lab File: BM040279.D
Acq: 16 Jun 2023 14:05

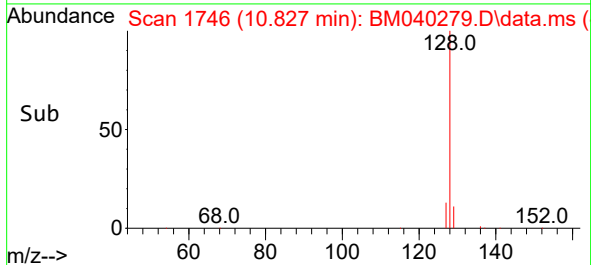
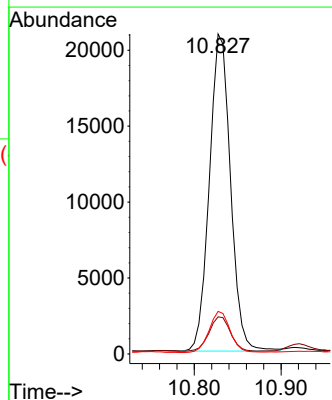
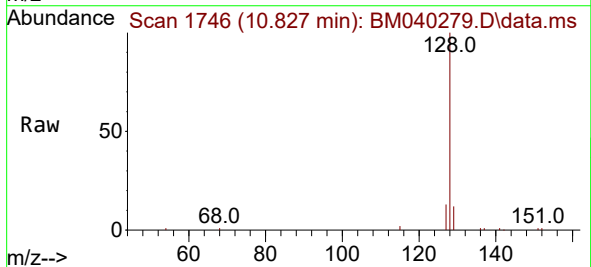
Instrument :
BNA_M
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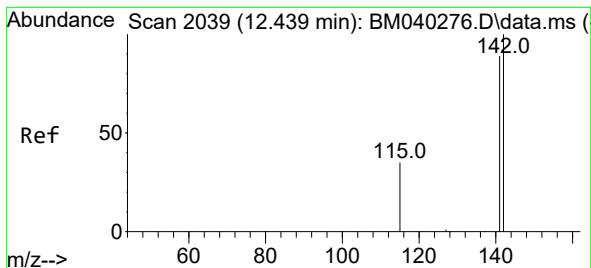
Tgt Ion: 88 Resp: 211
Ion Ratio Lower Upper
88 100
43 230.0 30.3 45.5#
58 30.0 38.8 58.2#



#5
Naphthalene
Concen: 0.529 ng/ul
RT: 10.827 min Scan# 1746
Delta R.T. -0.006 min
Lab File: BM040279.D
Acq: 16 Jun 2023 14:05

Tgt Ion: 128 Resp: 35298
Ion Ratio Lower Upper
128 100
129 11.6 9.1 13.7
127 13.3 10.4 15.6

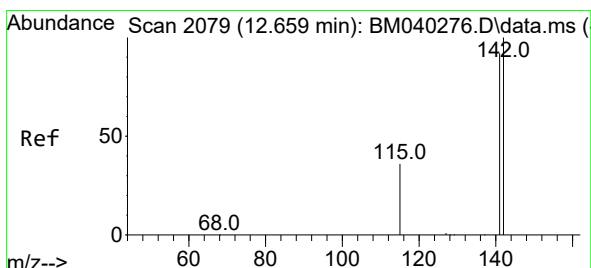
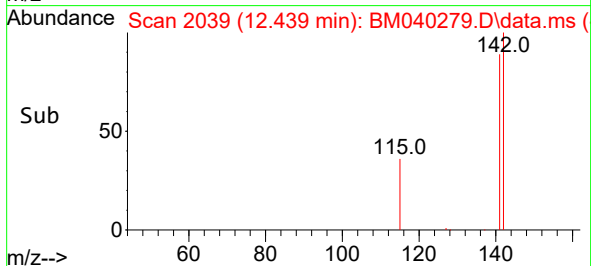
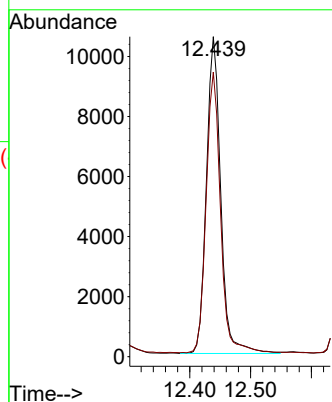
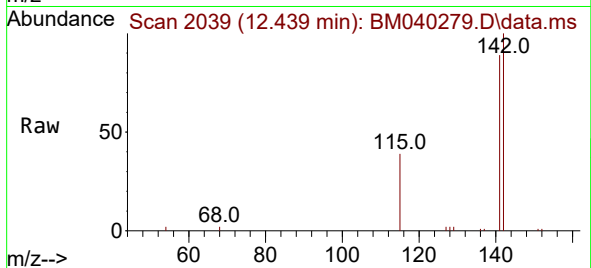




#7
2-Methylnaphthalene
Concen: 0.415 ng/ul
RT: 12.439 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BM040279.D
Acq: 16 Jun 2023 14:05

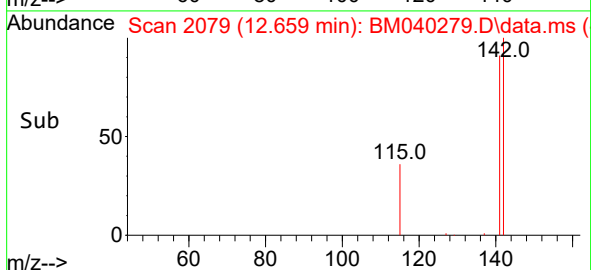
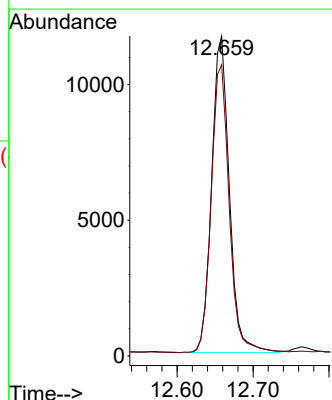
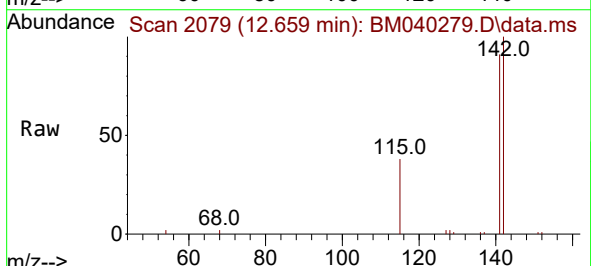
Instrument :
BNA_M
ClientSampleId :
DCFH2

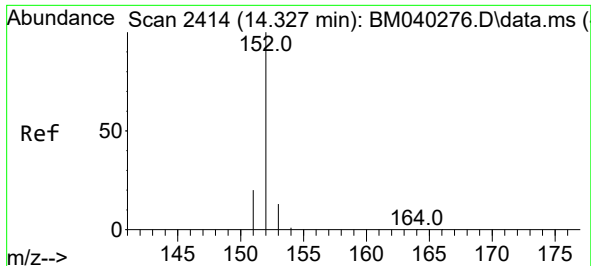
Tgt Ion:142 Resp: 17194
Ion Ratio Lower Upper
142 100
141 89.7 70.6 106.0



#8
1-Methylnaphthalene
Concen: 0.434 ng/ul
RT: 12.659 min Scan# 2079
Delta R.T. -0.006 min
Lab File: BM040279.D
Acq: 16 Jun 2023 14:05

Tgt Ion:142 Resp: 18827
Ion Ratio Lower Upper
142 100
141 92.6 73.0 109.4

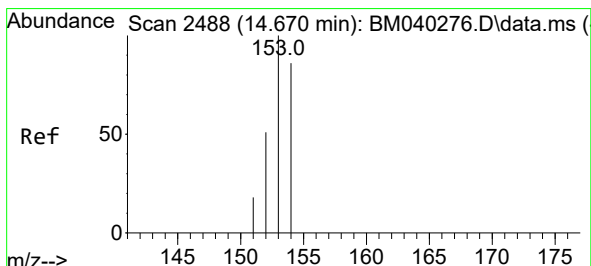
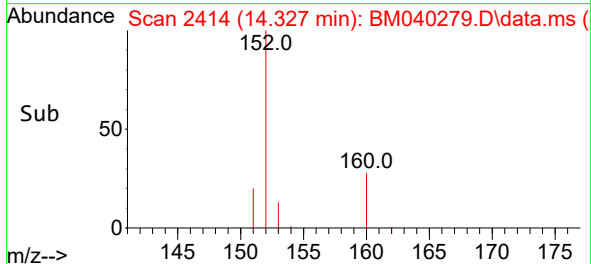
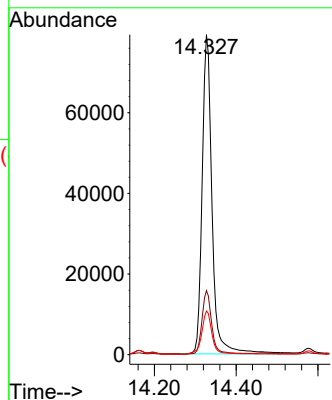
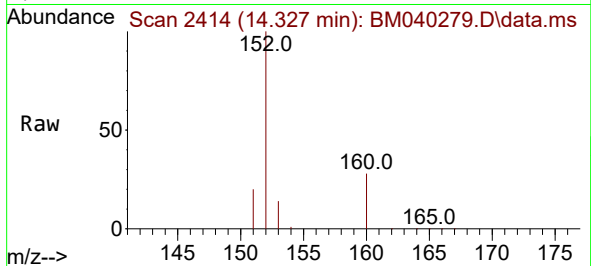




#10
Acenaphthylene
Concen: 2.793 ng/ul
RT: 14.327 min Scan# 2414
Delta R.T. -0.005 min
Lab File: BM040279.D
Acq: 16 Jun 2023 14:05

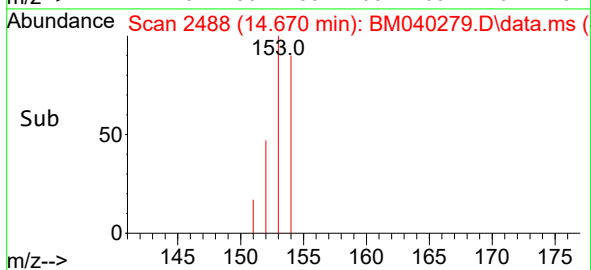
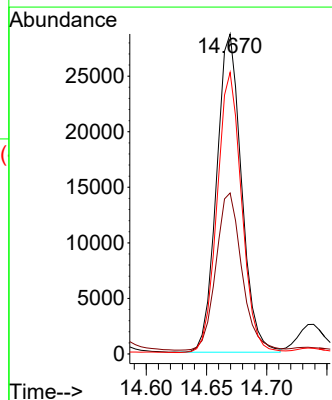
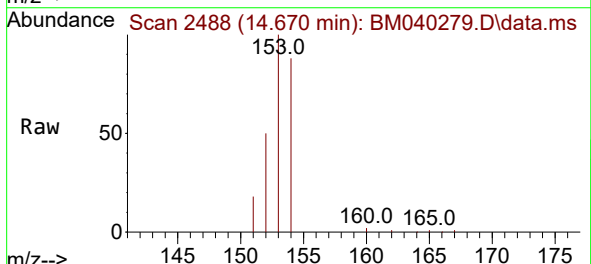
Instrument :
BNA_M
ClientSampleId :
DCFH2

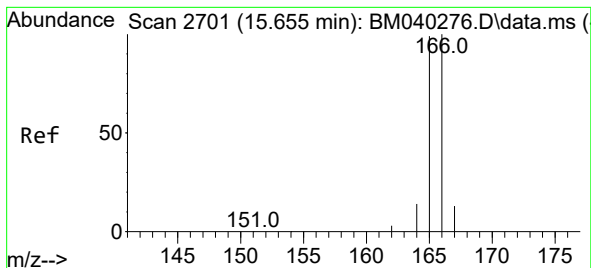
Tgt Ion:152 Resp: 132920
Ion Ratio Lower Upper
152 100
151 20.0 16.3 24.5
153 13.7 10.7 16.1



#11
Acenaphthene
Concen: 1.011 ng/ul
RT: 14.670 min Scan# 2488
Delta R.T. -0.005 min
Lab File: BM040279.D
Acq: 16 Jun 2023 14:05

Tgt Ion:153 Resp: 41235
Ion Ratio Lower Upper
153 100
152 50.3 40.3 60.5
154 88.0 70.5 105.7





#12

Fluorene

Concen: 0.923 ng/ul

RT: 15.655 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM040279.D

Acq: 16 Jun 2023 14:05

Instrument :

BNA_M

ClientSampleId :

DCFH2

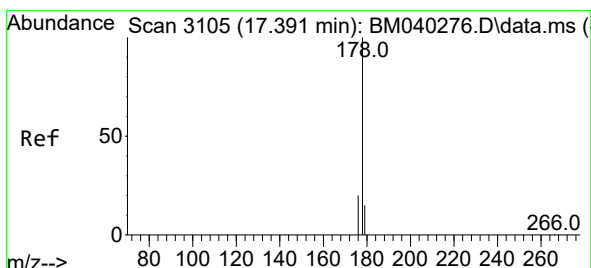
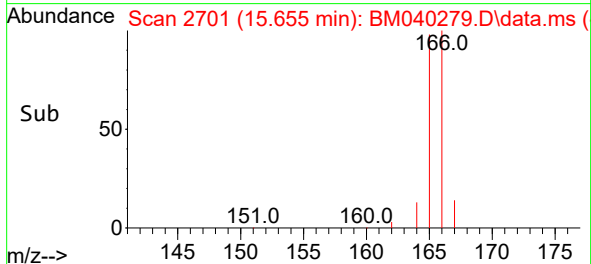
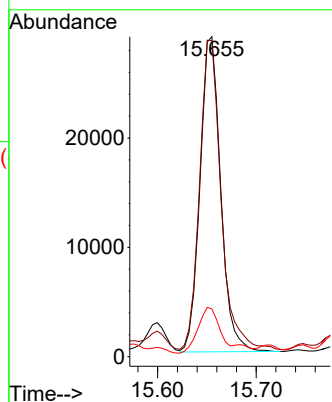
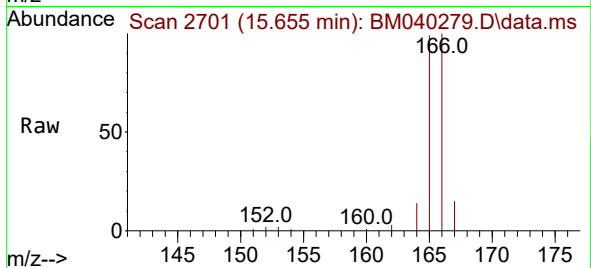
Tgt Ion:166 Resp: 41952

Ion Ratio Lower Upper

166 100

165 98.8 78.2 117.4

167 14.9 11.0 16.4



#15

Phenanthrene

Concen: 13.920 ng/ul

RT: 17.391 min Scan# 3105

Delta R.T. -0.004 min

Lab File: BM040279.D

Acq: 16 Jun 2023 14:05

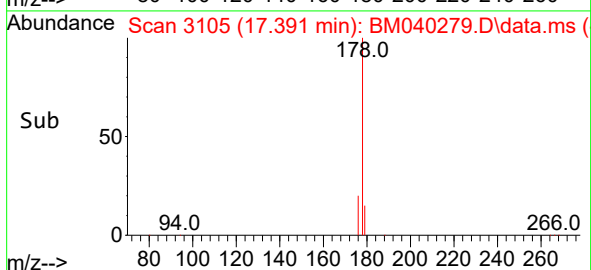
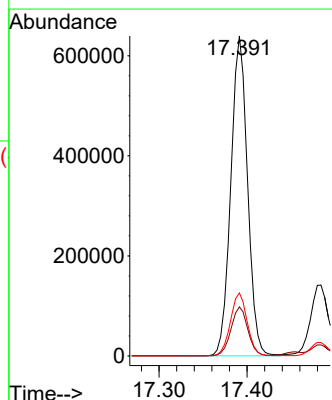
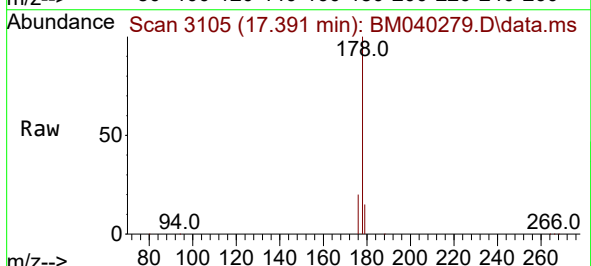
Tgt Ion:178 Resp: 842048

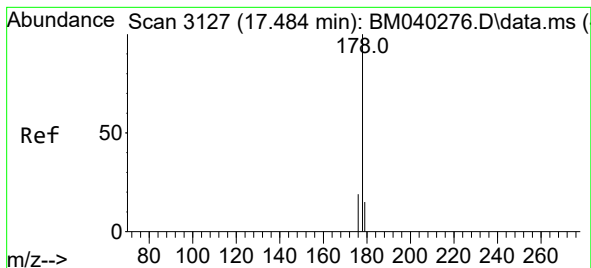
Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

176 19.7 16.1 24.1





#16

Anthracene

Concen: 3.886 ng/ul

RT: 17.484 min Scan# 3127

Delta R.T. -0.004 min

Lab File: BM040279.D

Acq: 16 Jun 2023 14:05

Instrument :

BNA_M

ClientSampleId :

DCFH2

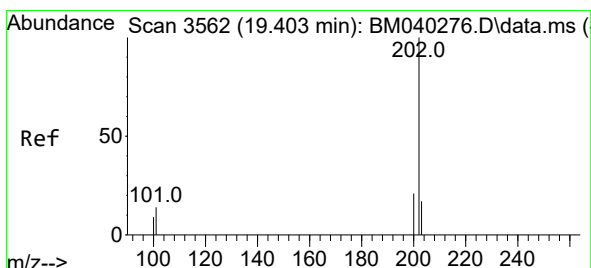
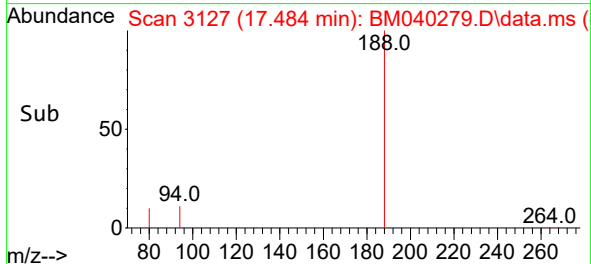
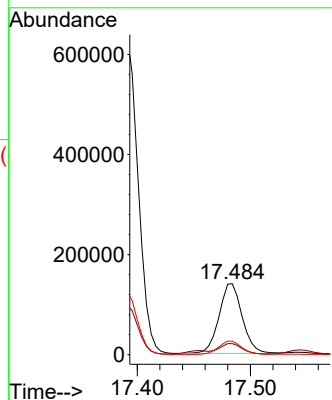
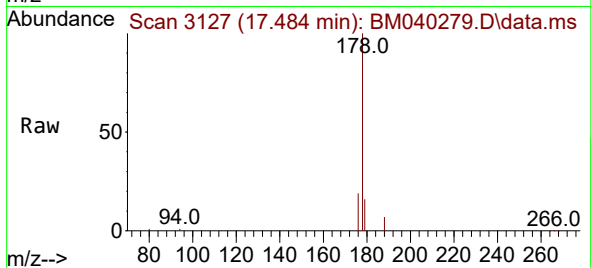
Tgt Ion:178 Resp: 199129

Ion Ratio Lower Upper

178 100

179 15.6 13.0 19.4

176 19.0 15.5 23.3



#19

Fluoranthene

Concen: 29.037 ng/ul

RT: 19.403 min Scan# 3562

Delta R.T. -0.005 min

Lab File: BM040279.D

Acq: 16 Jun 2023 14:05

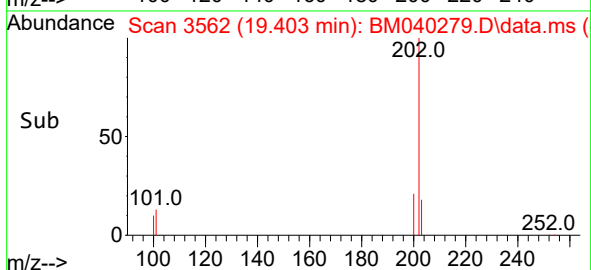
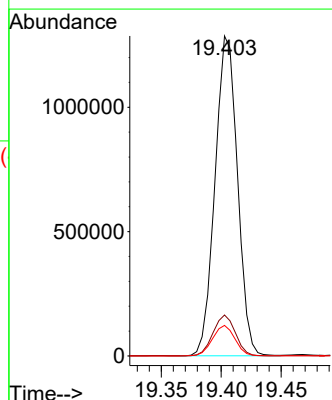
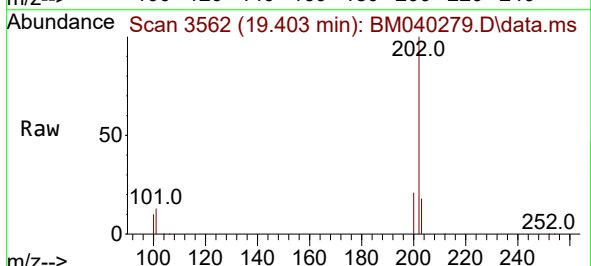
Tgt Ion:202 Resp: 1677935

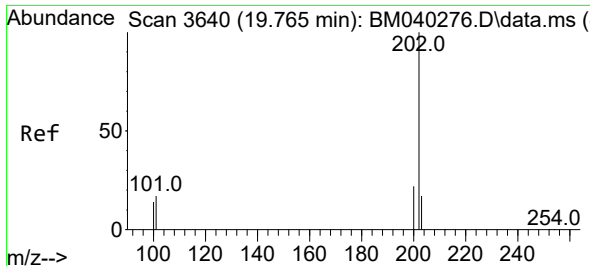
Ion Ratio Lower Upper

202 100

101 12.8 10.2 15.4

100 9.6 7.6 11.4

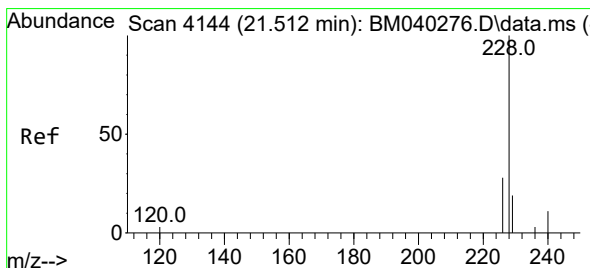
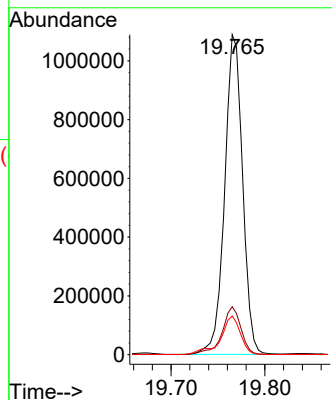
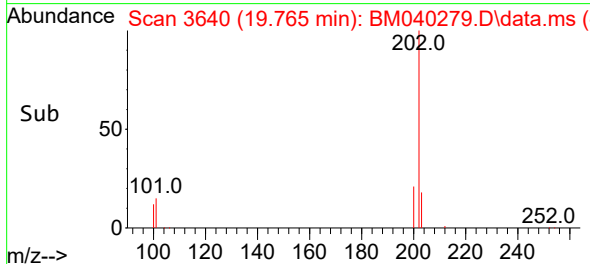
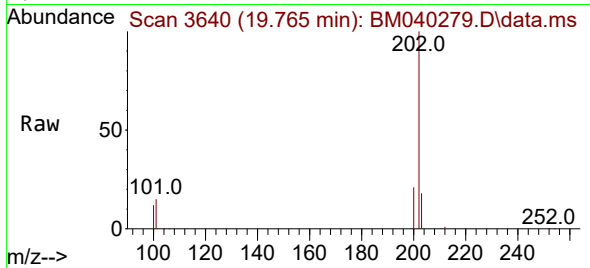




#20
 Pyrene
 Concen: 24.051 ng/ul
 RT: 19.765 min Scan# 30
 Delta R.T. -0.005 min
 Lab File: BM040279.D
 Acq: 16 Jun 2023 14:05

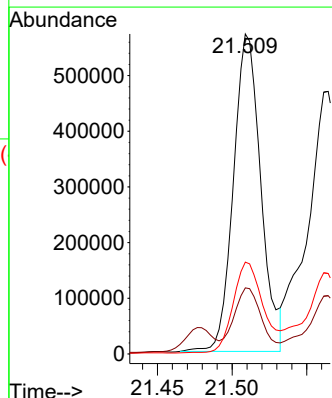
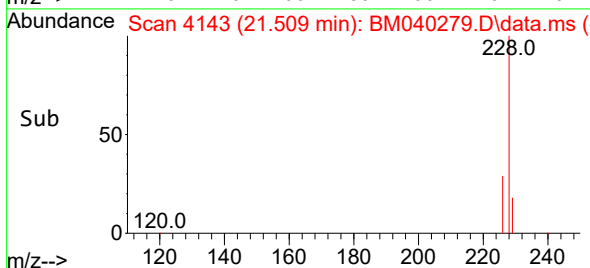
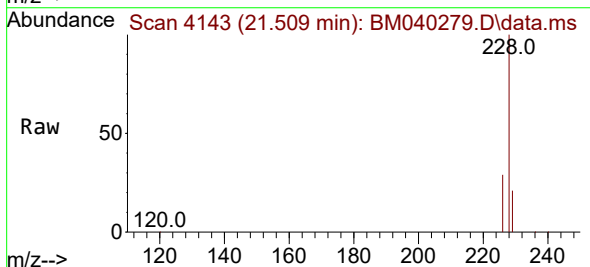
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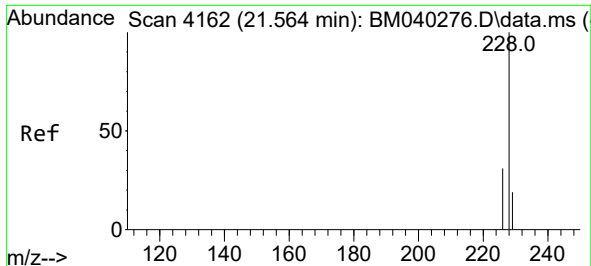
Tgt Ion:202 Resp: 1444019
 Ion Ratio Lower Upper
 202 100
 101 15.0 11.8 17.8
 100 12.1 9.3 13.9



#21
 Benzo(a)anthracene
 Concen: 14.496 ng/ul
 RT: 21.509 min Scan# 4143
 Delta R.T. -0.006 min
 Lab File: BM040279.D
 Acq: 16 Jun 2023 14:05

Tgt Ion:228 Resp: 725844
 Ion Ratio Lower Upper
 228 100
 229 20.7 15.8 23.8
 226 28.7 22.0 33.0





#22

Chrysene

Concen: 13.714 ng/ul

RT: 21.564 min Scan# 4162

Delta R.T. -0.006 min

Lab File: BM040279.D

Acq: 16 Jun 2023 14:05

Instrument :

BNA_M

ClientSampleId :

DCFH2

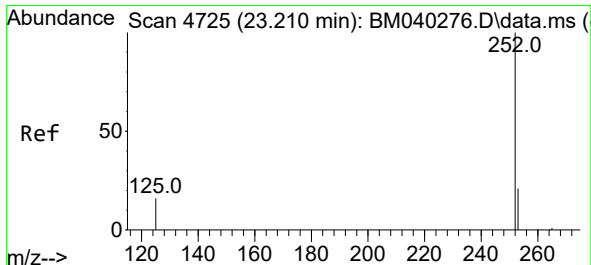
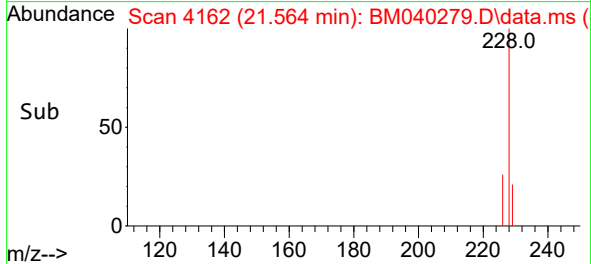
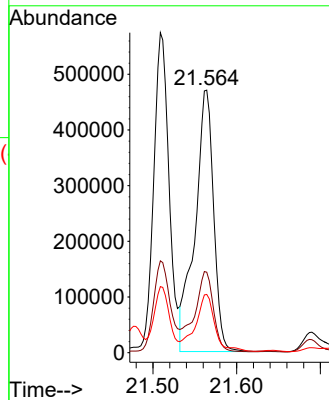
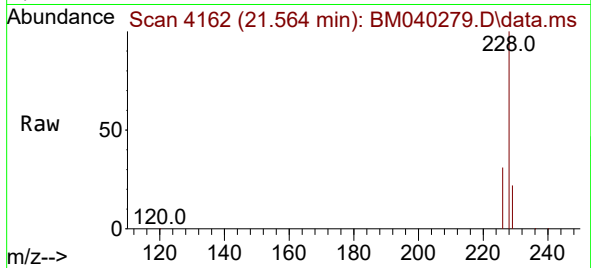
Tgt Ion:228 Resp: 725414

Ion Ratio Lower Upper

228 100

226 30.7 24.3 36.5

229 22.2 15.7 23.5



#24

Benzo(b)fluoranthene

Concen: 17.347 ng/ul

RT: 23.213 min Scan# 4726

Delta R.T. -0.003 min

Lab File: BM040279.D

Acq: 16 Jun 2023 14:05

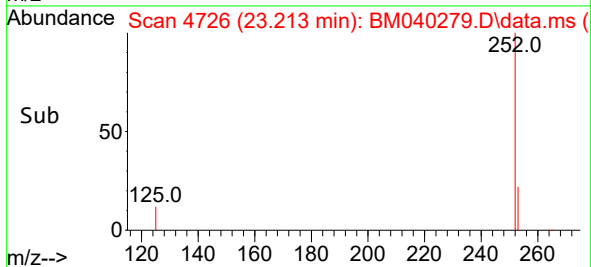
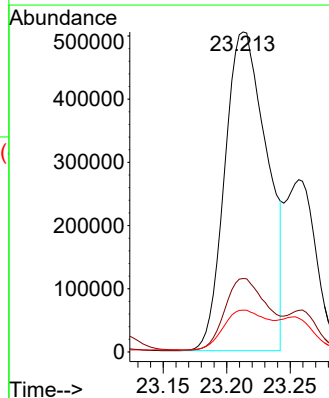
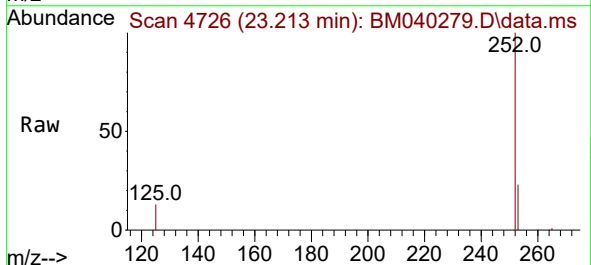
Tgt Ion:252 Resp: 1164397

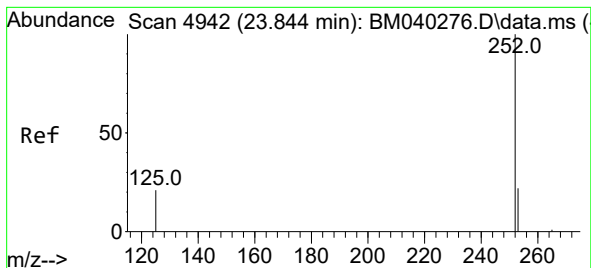
Ion Ratio Lower Upper

252 100

253 22.9 0.0 52.4

125 13.1 0.0 38.4





#26

Benzo(a)pyrene

Concen: 14.108 ng/ul

RT: 23.841 min Scan# 4942

Delta R.T. -0.009 min

Lab File: BM040279.D

Acq: 16 Jun 2023 14:05

Instrument :

BNA_M

ClientSampleId :

DCFH2

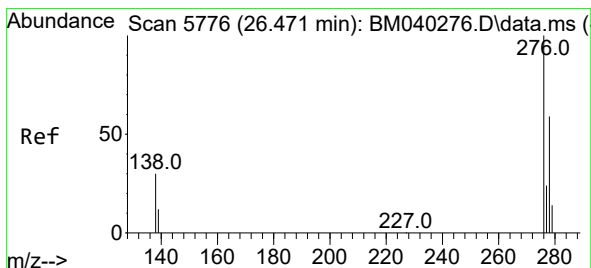
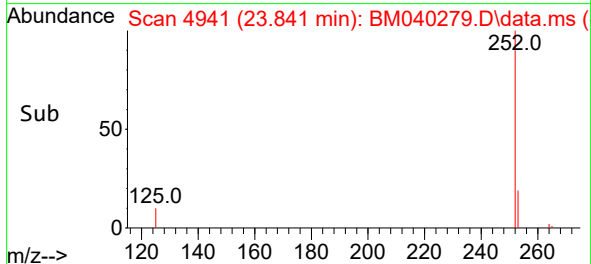
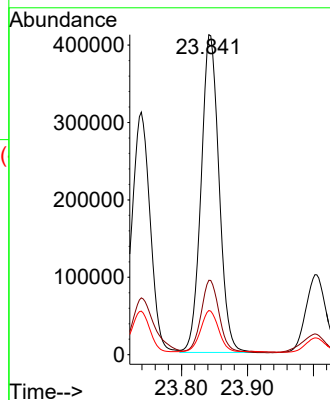
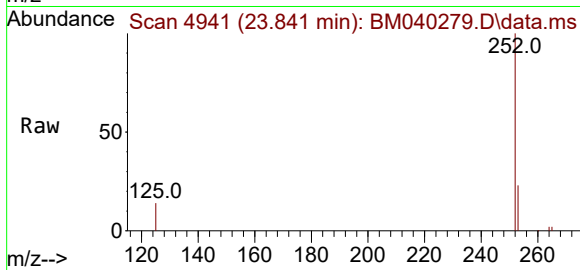
Tgt Ion:252 Resp: 777041

Ion Ratio Lower Upper

252 100

253 23.3 23.4 35.0#

125 13.8 19.7 29.5#



#27

Indeno(1,2,3-cd)pyrene

Concen: 9.214 ng/ul

RT: 26.464 min Scan# 5774

Delta R.T. -0.014 min

Lab File: BM040279.D

Acq: 16 Jun 2023 14:05

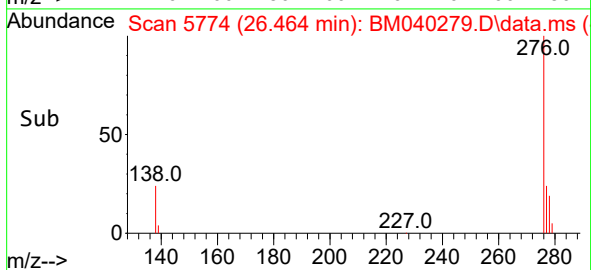
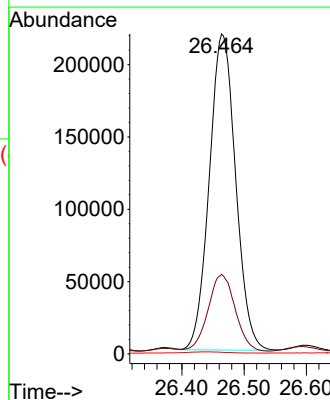
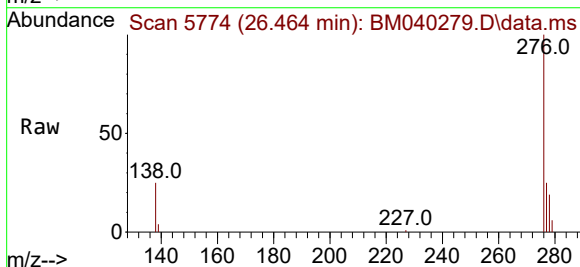
Tgt Ion:276 Resp: 642402

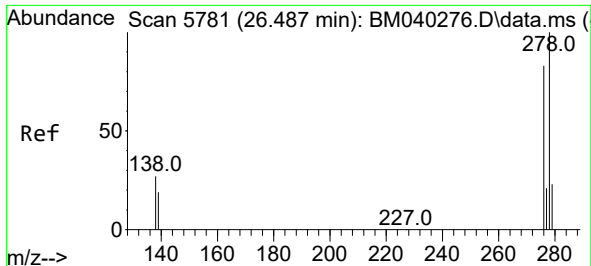
Ion Ratio Lower Upper

276 100

138 24.9 23.3 34.9

227 0.0 0.1 0.1#

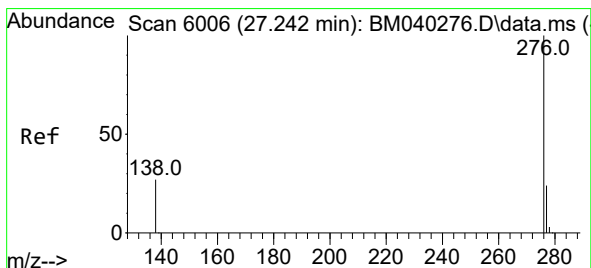
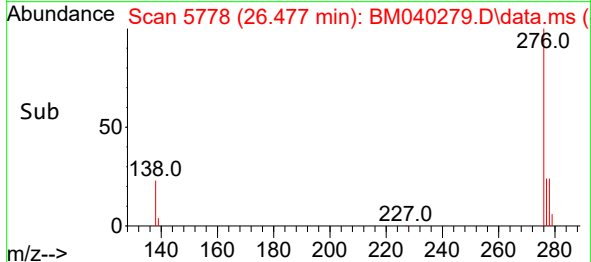
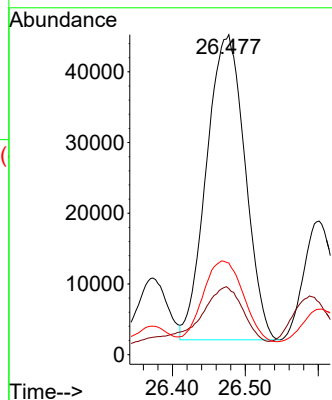
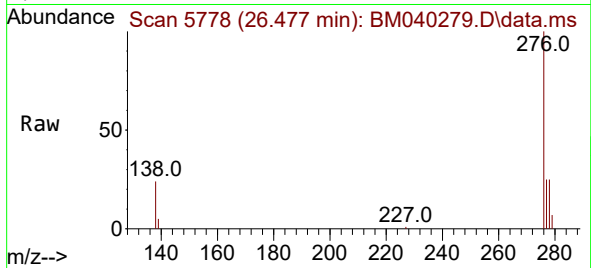




#28
 Dibenzo(a,h)anthracene
 Concen: 2.823 ng/ul
 RT: 26.477 min Scan# 5778
 Delta R.T. -0.020 min
 Lab File: BM040279.D
 Acq: 16 Jun 2023 14:05

Instrument :
 BNA_M
 ClientSampleId :
 DCFH2

Tgt Ion:278 Resp: 157975
 Ion Ratio Lower Upper
 278 100
 139 20.7 16.4 24.6
 279 28.7 21.8 32.8



#29
 Benzo(g,h,i)perylene
 Concen: 10.391 ng/ul
 RT: 27.242 min Scan# 6006
 Delta R.T. -0.014 min
 Lab File: BM040279.D
 Acq: 16 Jun 2023 14:05

Tgt Ion:276 Resp: 605069
 Ion Ratio Lower Upper
 276 100
 138 25.7 21.0 31.4
 277 24.2 19.6 29.4

