

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061623\
 Data File : BM040291.D
 Acq On : 16 Jun 2023 21:28
 Operator : MA/JU
 Sample : 03080-04DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFH3DL

Quant Time: Jun 16 23:40:50 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)

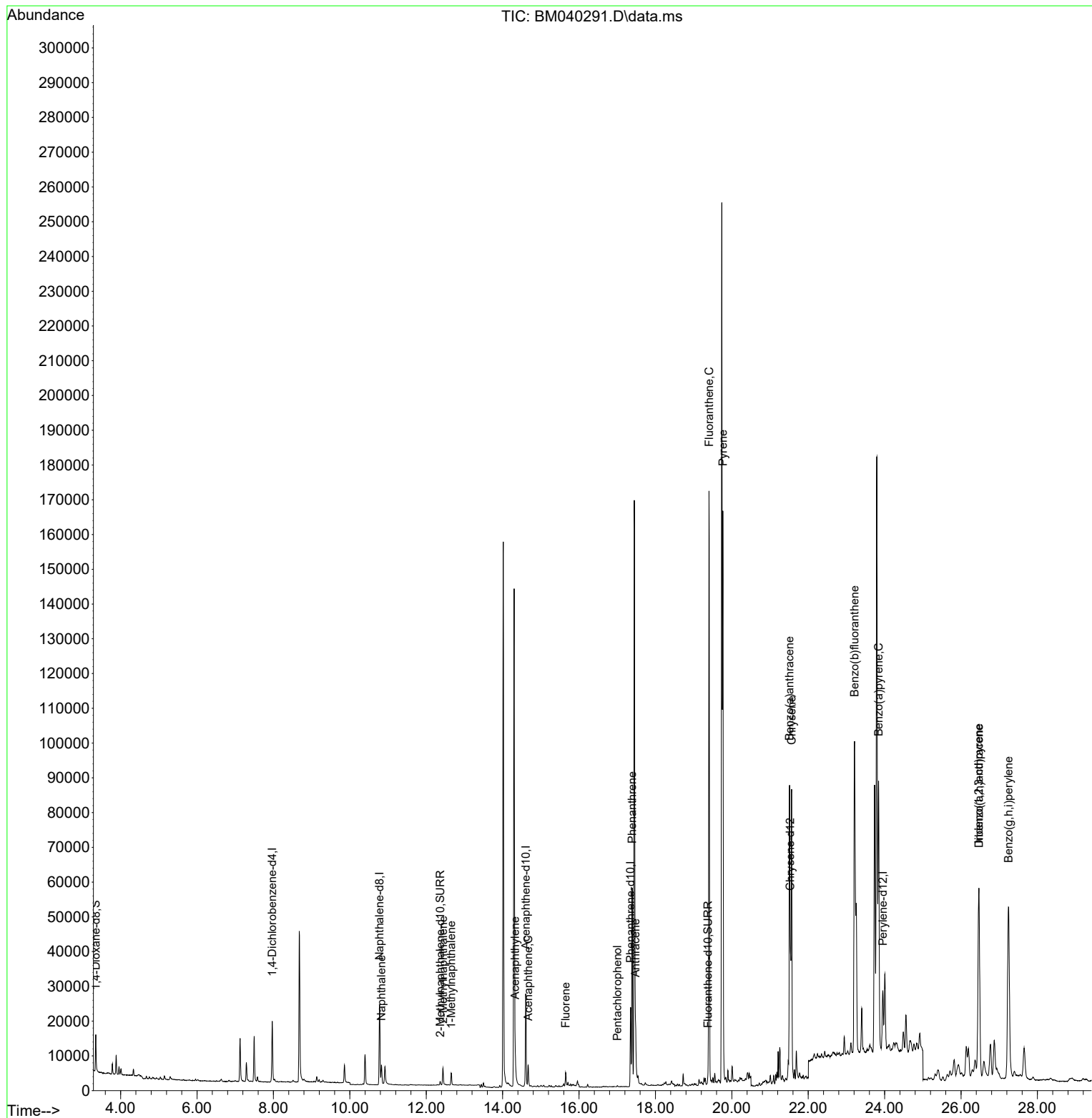
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.970	152	9340	0.400	ng/ul	0.00
4) Naphthalene-d8	10.778	136	31152	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.605	164	14822	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.349	188	26386	0.400	ng/ul	0.00
17) Chrysene-d12	21.527	240	20745	0.400	ng/ul	0.00
23) Perylene-d12	23.953	264	24128	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.350	96	6583	0.571	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.367	152	1555	0.039	ng/ul	0.00
18) Fluoranthene-d10	19.375	212	2410	0.047	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.828	128	7593	0.103	ng/ul#	95
7) 2-Methylnaphthalene	12.439	142	3838	0.084	ng/ul	99
8) 1-Methylnaphthalene	12.653	142	2511	0.052	ng/ul	99
10) Acenaphthylene	14.327	152	7829	0.151	ng/ul	95
11) Acenaphthene	14.670	153	3558	0.080	ng/ul	98
12) Fluorene	15.650	166	2595	0.052	ng/ul#	90
14) Pentachlorophenol	17.003	266	200	0.037	ng/ul	99
15) Phenanthrene	17.391	178	61343	0.884	ng/ul	99
16) Anthracene	17.480	178	10801	0.184	ng/ul	96
19) Fluoranthene	19.403	202	139232	1.970	ng/ul	98
20) Pyrene	19.765	202	130602	1.779	ng/ul	99
21) Benzo(a)anthracene	21.509	228	69585	1.136	ng/ul	96
22) Chrysene	21.564	228	91115	1.409	ng/ul	97
24) Benzo(b)fluoranthene	23.213	252	153692	1.728	ng/ul	96
26) Benzo(a)pyrene	23.842	252	110208	1.510	ng/ul#	89
27) Indeno(1,2,3-cd)pyrene	26.467	276	91487	0.990	ng/ul#	95
28) Dibenzo(a,h)anthracene	26.471	278	24393	0.329	ng/ul#	84
29) Benzo(g,h,i)perylene	27.246	276	111619	1.446	ng/ul	99

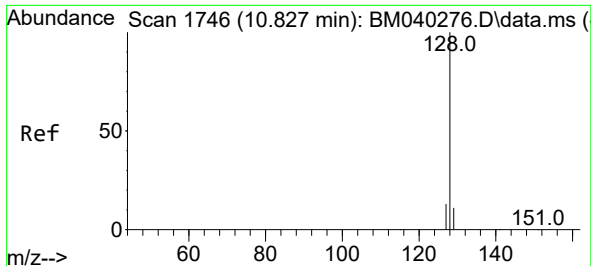
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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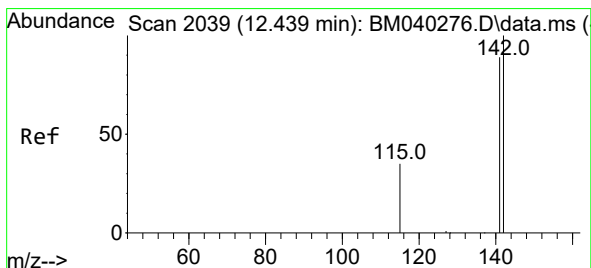
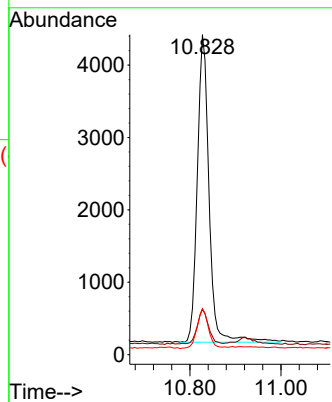
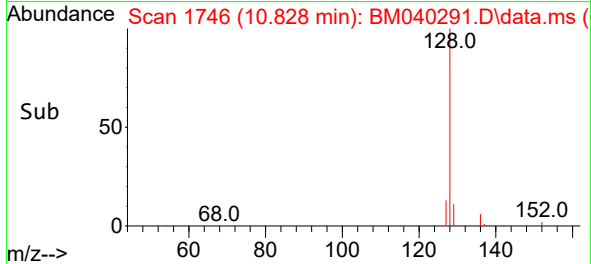
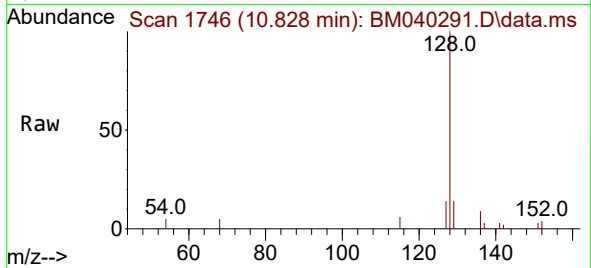




#5
Naphthalene
Concen: 0.103 ng/ul
RT: 10.828 min Scan# 1746
Delta R.T. -0.005 min
Lab File: BM040291.D
Acq: 16 Jun 2023 21:28

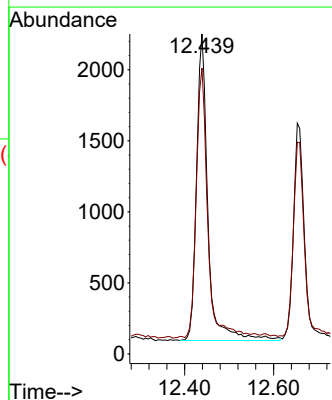
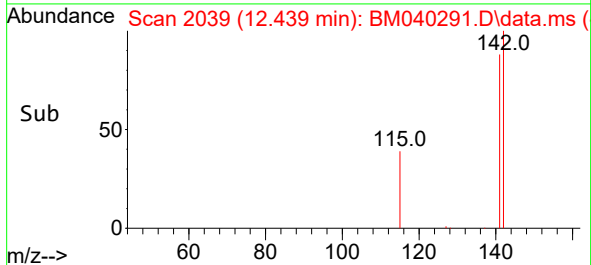
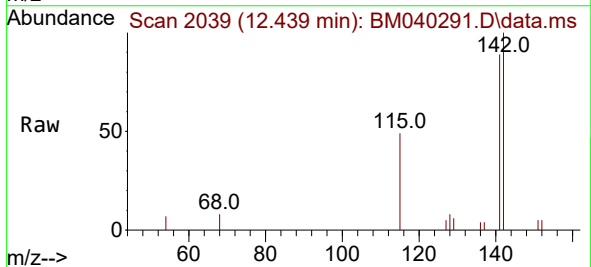
Instrument :
BNA_M
ClientSampleId :
DCFH3DL

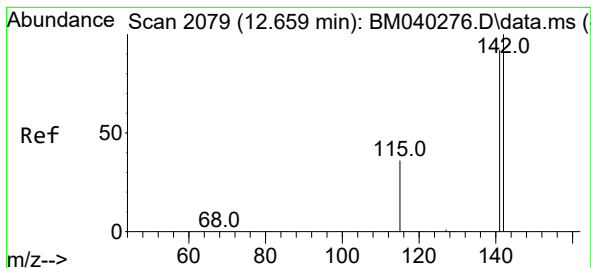
Tgt Ion:128 Resp: 7593
Ion Ratio Lower Upper
128 100
129 14.2 9.1 13.7#
127 14.4 10.4 15.6



#7
2-Methylnaphthalene
Concen: 0.084 ng/ul
RT: 12.439 min Scan# 2039
Delta R.T. -0.005 min
Lab File: BM040291.D
Acq: 16 Jun 2023 21:28

Tgt Ion:142 Resp: 3838
Ion Ratio Lower Upper
142 100
141 89.0 70.6 106.0

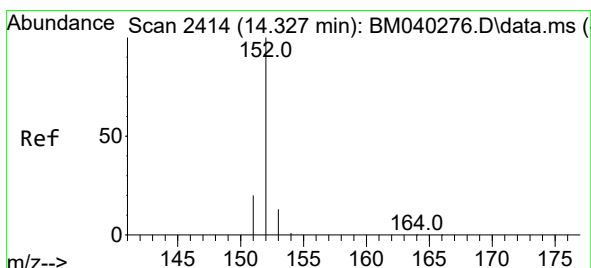
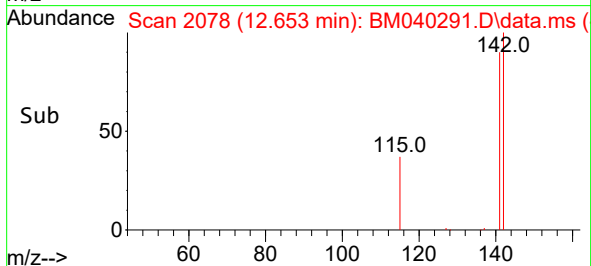
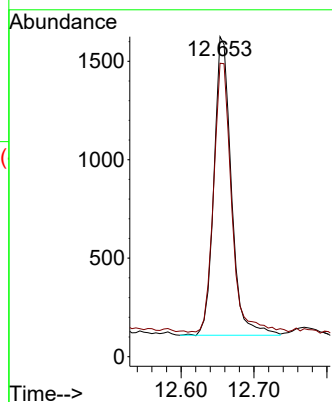
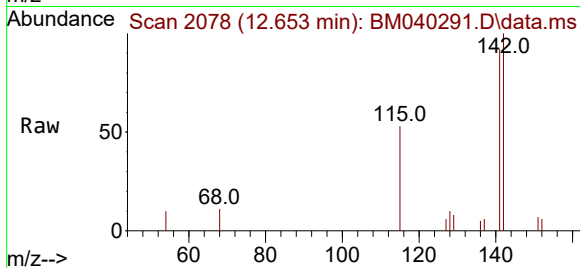




#8
1-Methylnaphthalene
Concen: 0.052 ng/ul
RT: 12.653 min Scan# 2078
Delta R.T. -0.011 min
Lab File: BM040291.D
Acq: 16 Jun 2023 21:28

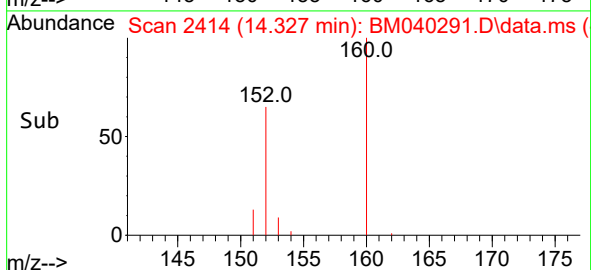
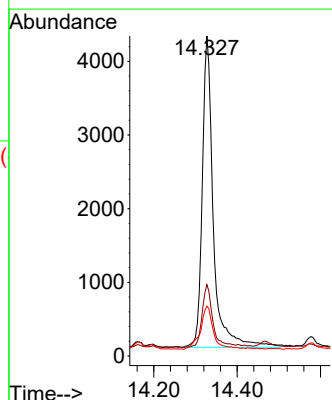
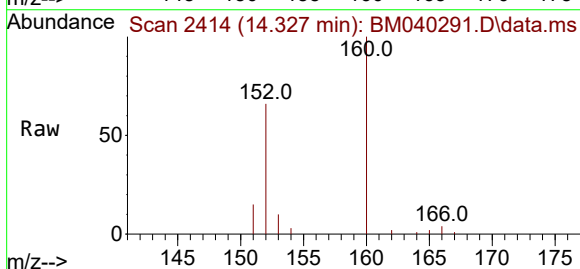
Instrument :
BNA_M
ClientSampleId :
DCFH3DL

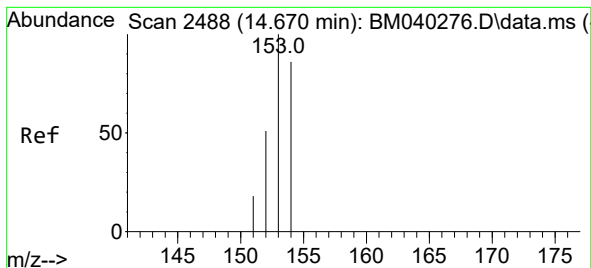
Tgt Ion:142 Resp: 2511
Ion Ratio Lower Upper
142 100
141 92.5 73.0 109.4



#10
Acenaphthylene
Concen: 0.151 ng/ul
RT: 14.327 min Scan# 2414
Delta R.T. -0.005 min
Lab File: BM040291.D
Acq: 16 Jun 2023 21:28

Tgt Ion:152 Resp: 7829
Ion Ratio Lower Upper
152 100
151 22.3 16.3 24.5
153 15.6 10.7 16.1





#11

Acenaphthene

Concen: 0.080 ng/ul

RT: 14.670 min Scan# 2488

Delta R.T. -0.005 min

Lab File: BM040291.D

Acq: 16 Jun 2023 21:28

Instrument :

BNA_M

ClientSampleId :

DCFH3DL

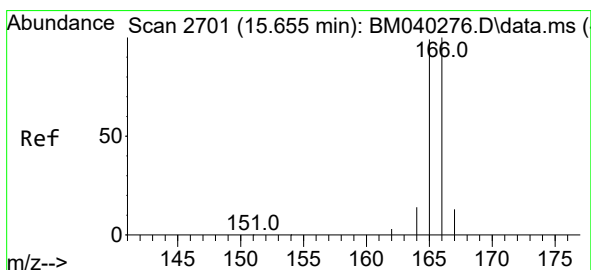
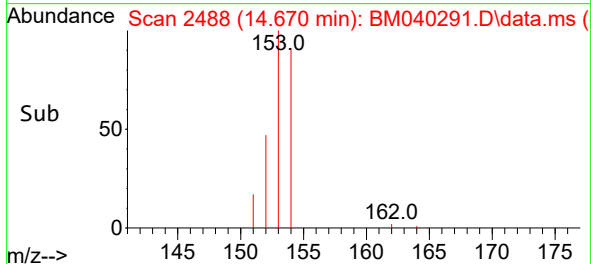
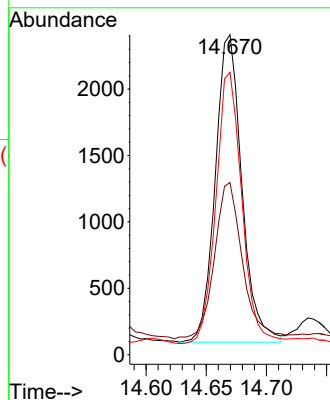
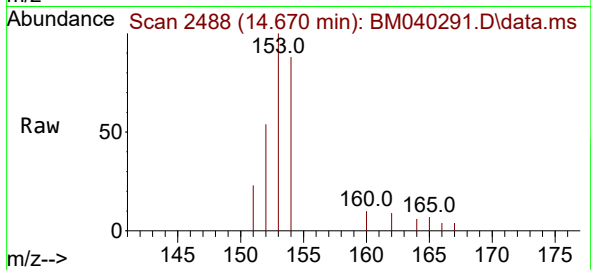
Tgt Ion:153 Resp: 3558

Ion Ratio Lower Upper

153 100

152 53.8 40.3 60.5

154 88.3 70.5 105.7



#12

Fluorene

Concen: 0.052 ng/ul

RT: 15.650 min Scan# 2700

Delta R.T. -0.009 min

Lab File: BM040291.D

Acq: 16 Jun 2023 21:28

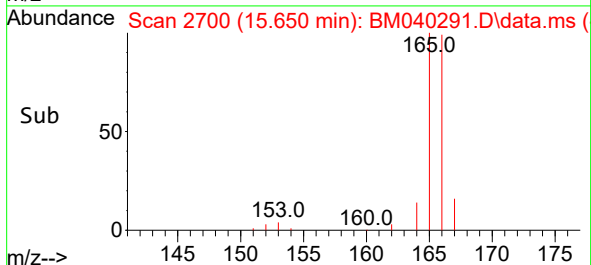
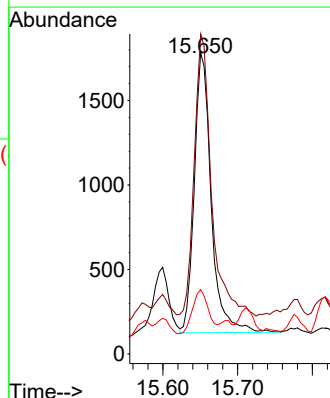
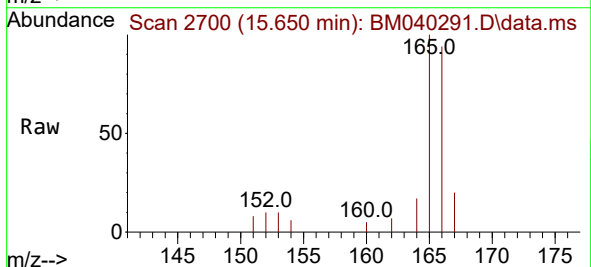
Tgt Ion:166 Resp: 2595

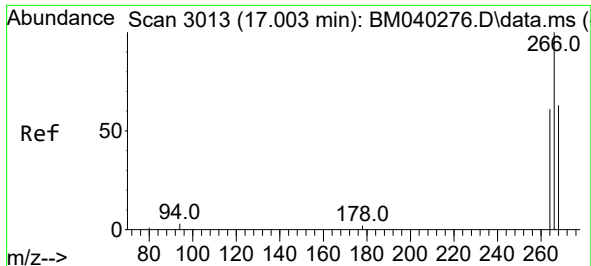
Ion Ratio Lower Upper

166 100

165 106.2 78.2 117.4

167 21.4 11.0 16.4#

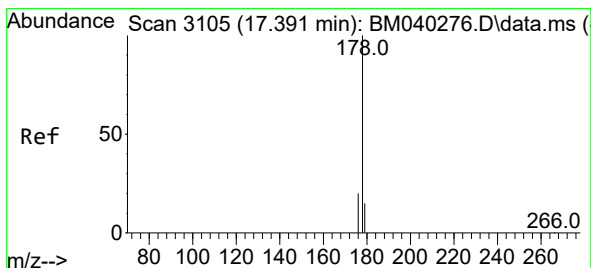
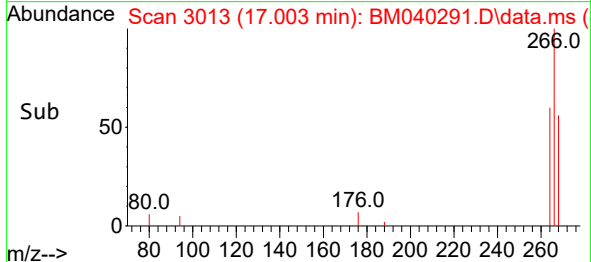
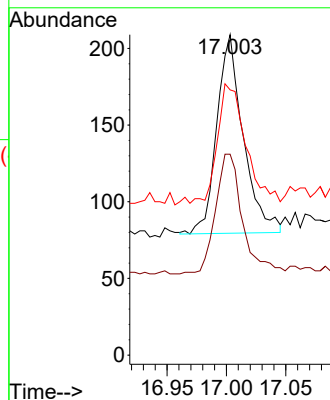
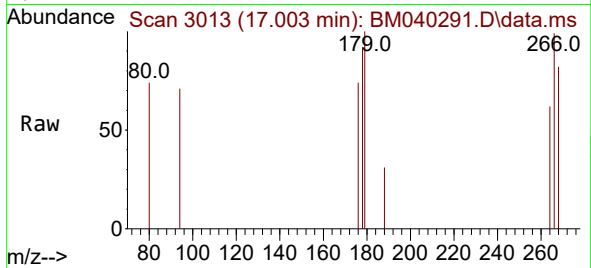




#14
 Pentachlorophenol
 Concen: 0.037 ng/ul
 RT: 17.003 min Scan# 3013
 Delta R.T. -0.004 min
 Lab File: BM040291.D
 Acq: 16 Jun 2023 21:28

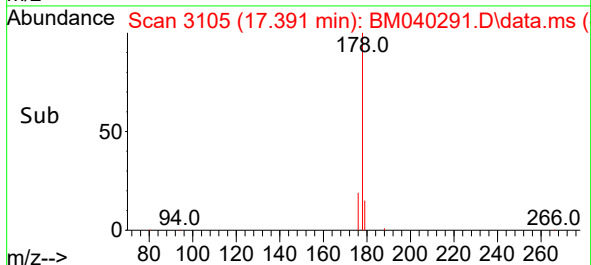
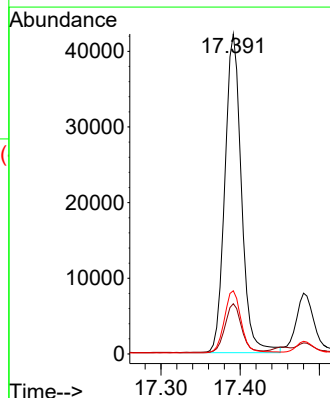
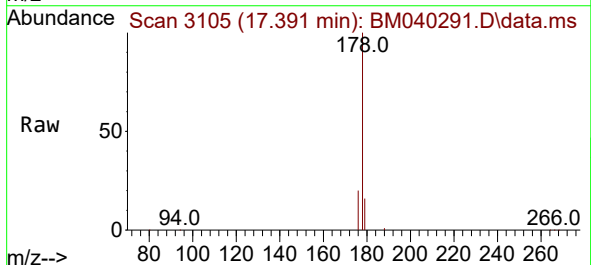
Instrument :
 BNA_M
 ClientSampleId :
 DCFH3DL

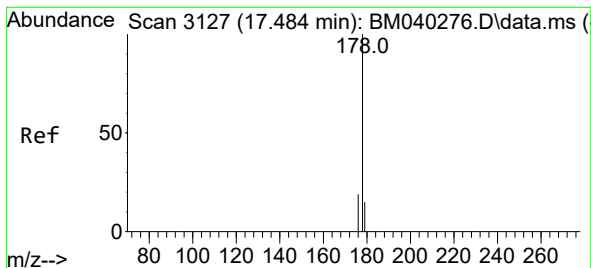
Tgt Ion:266 Resp: 200
 Ion Ratio Lower Upper
 266 100
 264 61.5 49.4 74.0
 268 65.0 51.3 76.9



#15
 Phenanthrene
 Concen: 0.884 ng/ul
 RT: 17.391 min Scan# 3105
 Delta R.T. -0.004 min
 Lab File: BM040291.D
 Acq: 16 Jun 2023 21:28

Tgt Ion:178 Resp: 61343
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.6 19.0
 176 19.7 16.1 24.1





#16

Anthracene

Concen: 0.184 ng/ul

RT: 17.480 min Scan# 3127

Delta R.T. -0.008 min

Lab File: BM040291.D

Acq: 16 Jun 2023 21:28

Instrument :

BNA_M

ClientSampleId :

DCFH3DL

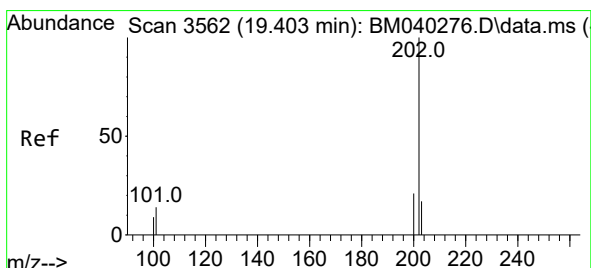
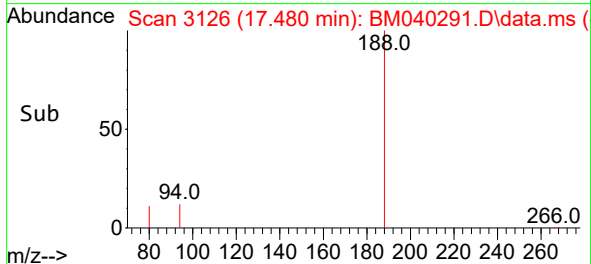
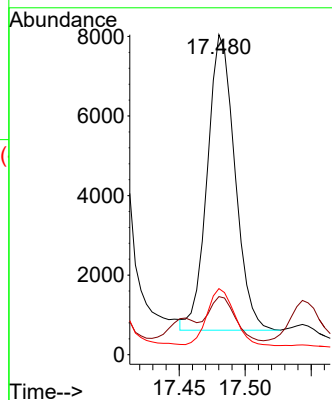
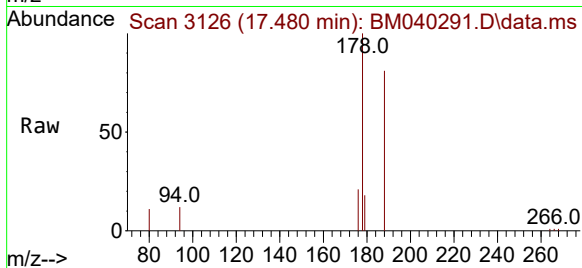
Tgt Ion:178 Resp: 10801

Ion Ratio Lower Upper

178 100

179 18.2 13.0 19.4

176 20.7 15.5 23.3



#19

Fluoranthene

Concen: 1.970 ng/ul

RT: 19.403 min Scan# 3562

Delta R.T. -0.005 min

Lab File: BM040291.D

Acq: 16 Jun 2023 21:28

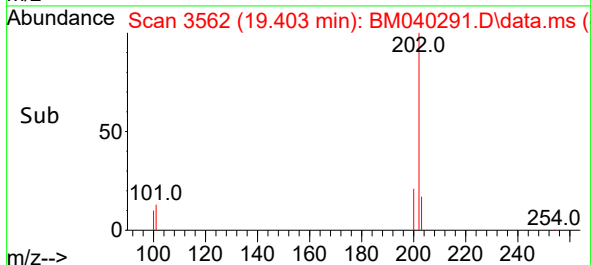
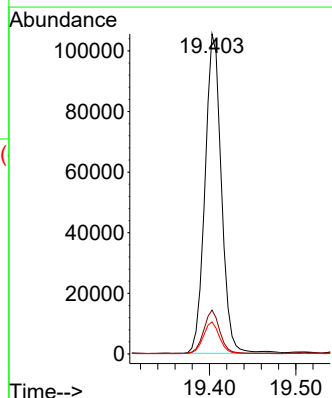
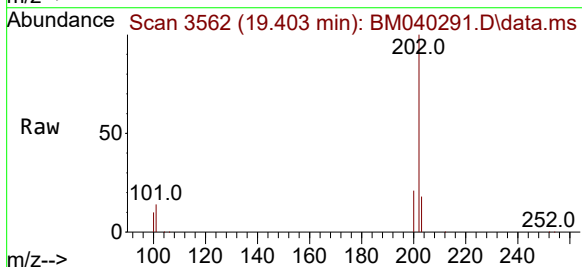
Tgt Ion:202 Resp: 139232

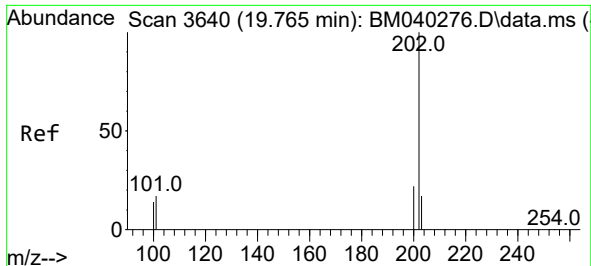
Ion Ratio Lower Upper

202 100

101 13.7 10.2 15.4

100 10.0 7.6 11.4

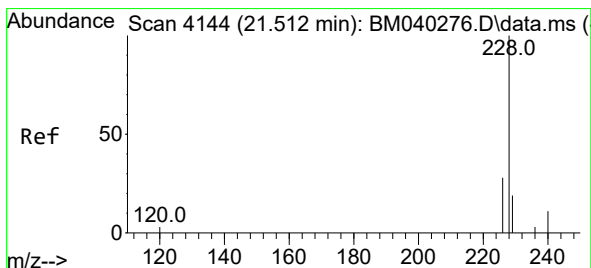
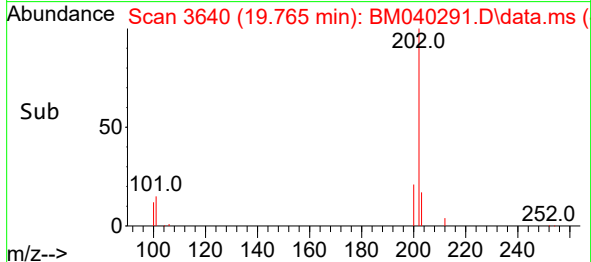
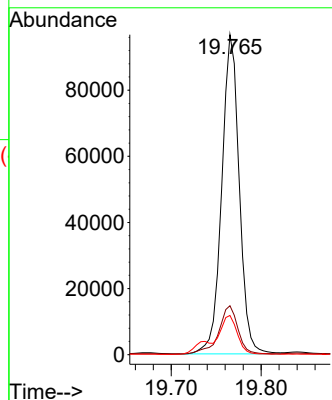
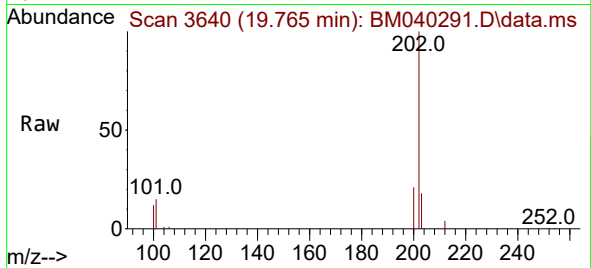




#20
Pyrene
Concen: 1.779 ng/ul
RT: 19.765 min Scan# 30
Delta R.T. -0.005 min
Lab File: BM040291.D
Acq: 16 Jun 2023 21:28

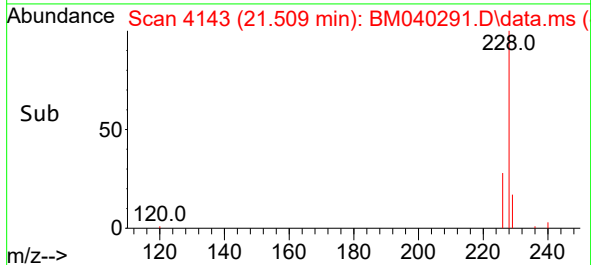
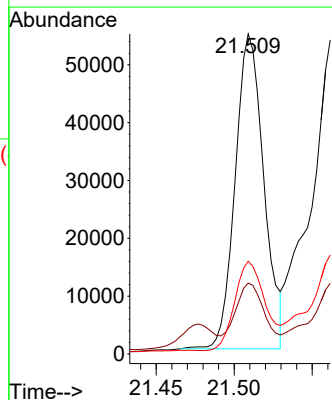
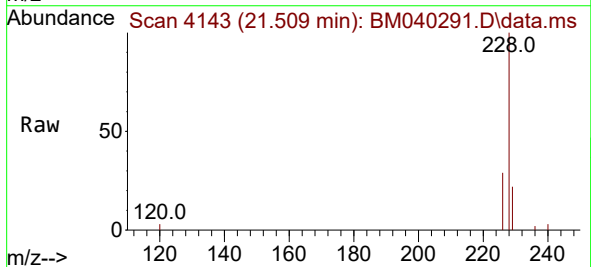
Instrument :
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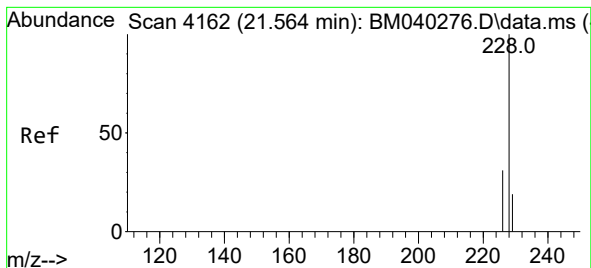
Tgt Ion:202 Resp: 130602
Ion Ratio Lower Upper
202 100
101 15.3 11.8 17.8
100 12.3 9.3 13.9



#21
Benzo(a)anthracene
Concen: 1.136 ng/ul
RT: 21.509 min Scan# 4143
Delta R.T. -0.006 min
Lab File: BM040291.D
Acq: 16 Jun 2023 21:28

Tgt Ion:228 Resp: 69585
Ion Ratio Lower Upper
228 100
229 22.2 15.8 23.8
226 29.0 22.0 33.0





#22

Chrysene

Concen: 1.409 ng/ul

RT: 21.564 min Scan# 4162

Delta R.T. -0.006 min

Lab File: BM040291.D

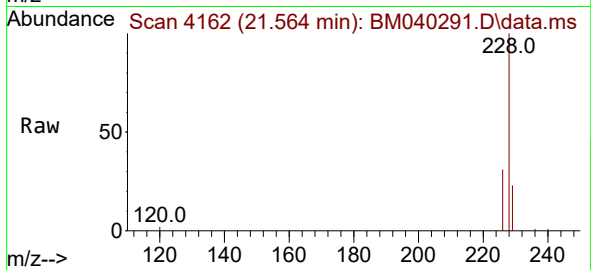
Acq: 16 Jun 2023 21:28

Instrument :

BNA_M

ClientSampleId :

DCFH3DL



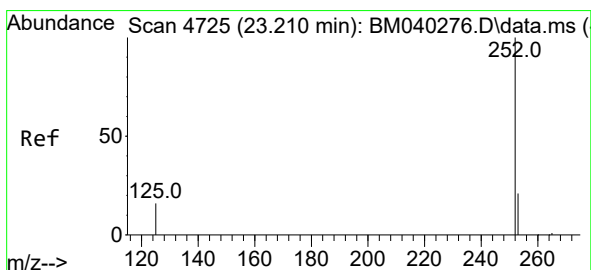
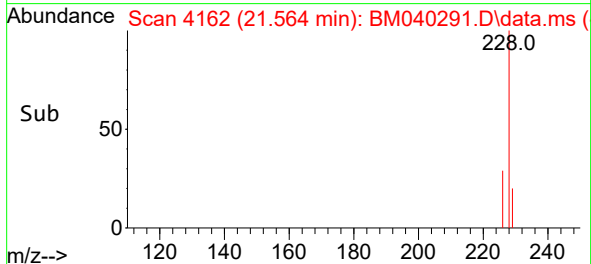
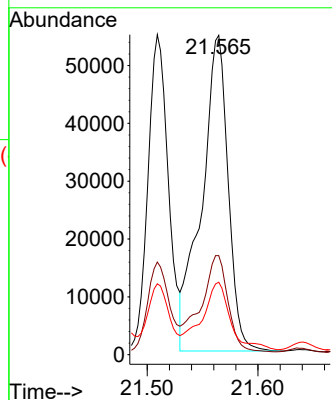
Tgt Ion:228 Resp: 91115

Ion Ratio Lower Upper

228 100

226 31.0 24.3 36.5

229 22.7 15.7 23.5



#24

Benzo(b)fluoranthene

Concen: 1.728 ng/ul

RT: 23.213 min Scan# 4726

Delta R.T. -0.003 min

Lab File: BM040291.D

Acq: 16 Jun 2023 21:28

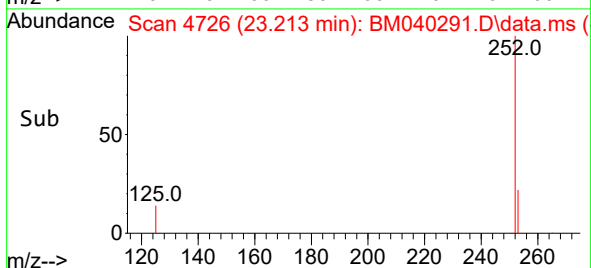
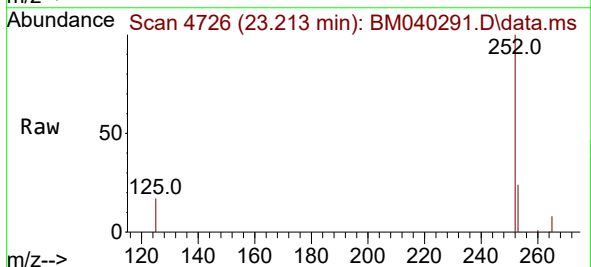
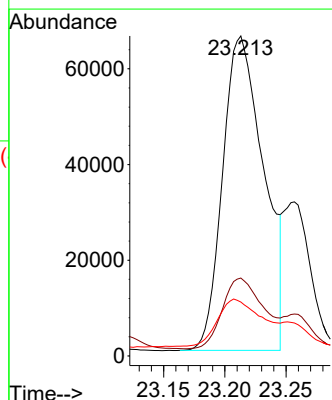
Tgt Ion:252 Resp: 153692

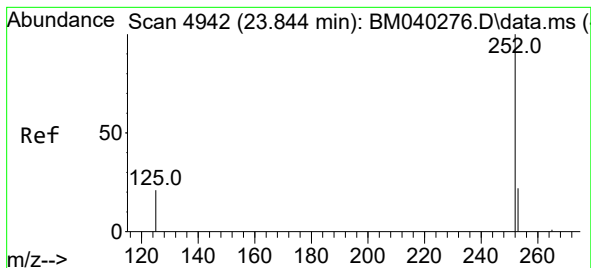
Ion Ratio Lower Upper

252 100

253 24.3 0.0 52.4

125 16.9 0.0 38.4





#26

Benzo(a)pyrene

Concen: 1.510 ng/ul

RT: 23.842 min Scan# 4942

Delta R.T. -0.009 min

Lab File: BM040291.D

Acq: 16 Jun 2023 21:28

Instrument :

BNA_M

ClientSampleId :

DCFH3DL

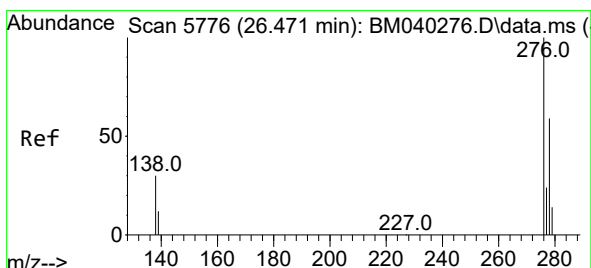
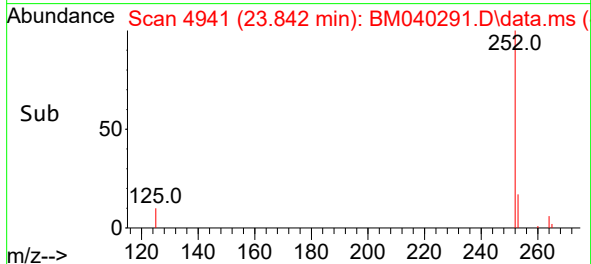
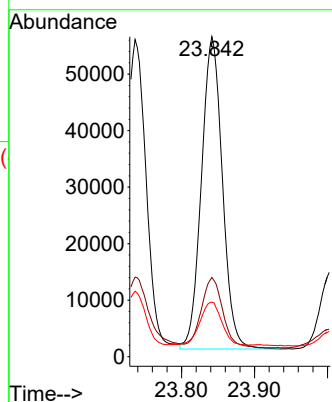
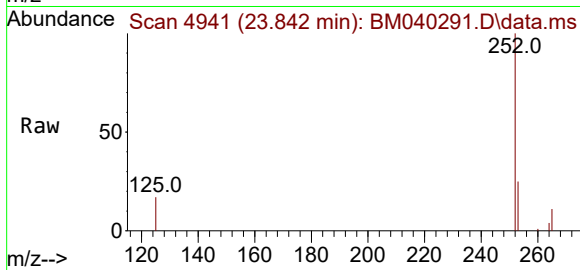
Tgt Ion:252 Resp: 110208

Ion Ratio Lower Upper

252 100

253 24.7 23.4 35.0

125 17.0 19.7 29.5#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.990 ng/ul

RT: 26.467 min Scan# 5775

Delta R.T. -0.010 min

Lab File: BM040291.D

Acq: 16 Jun 2023 21:28

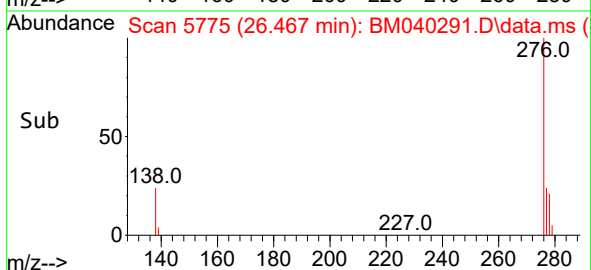
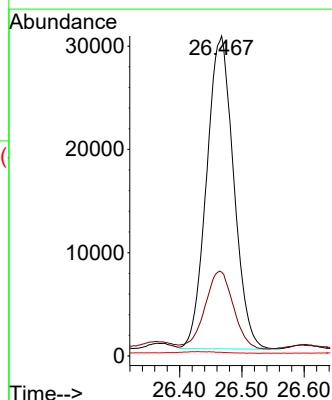
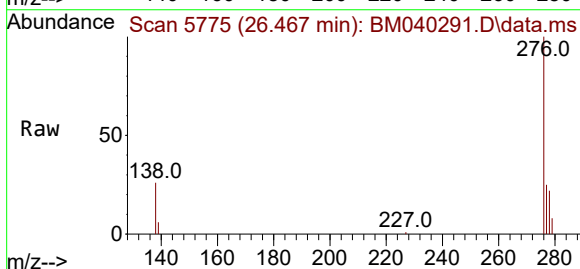
Tgt Ion:276 Resp: 91487

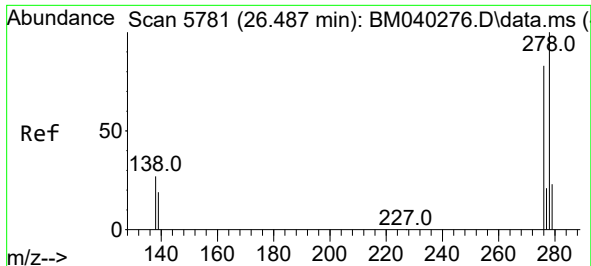
Ion Ratio Lower Upper

276 100

138 26.2 23.3 34.9

227 0.0 0.1 0.1#

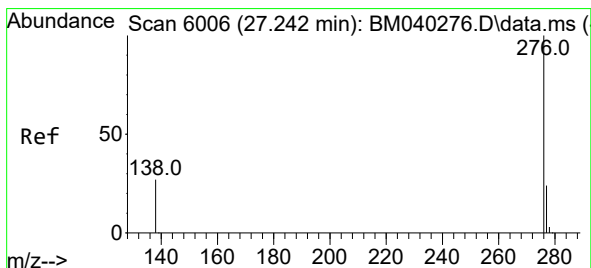
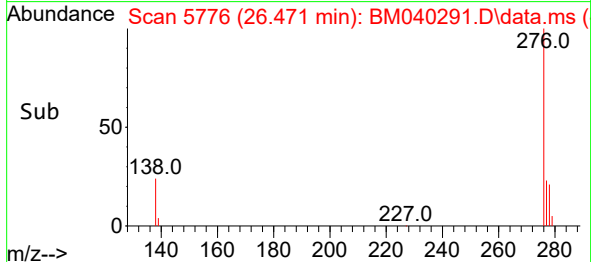
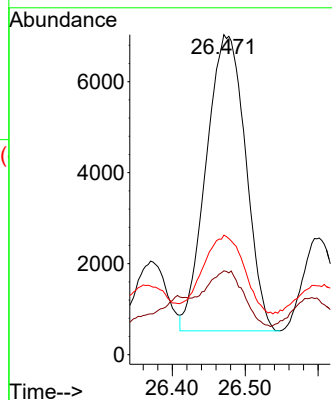
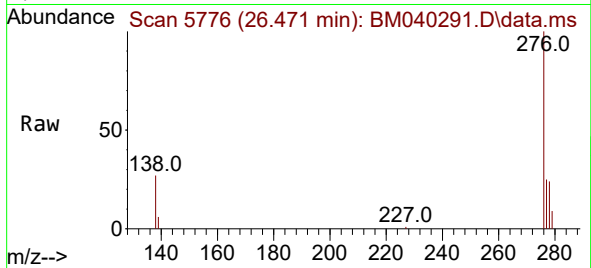




#28
Dibenzo(a,h)anthracene
Concen: 0.329 ng/ul
RT: 26.471 min Scan# 51
Delta R.T. -0.027 min
Lab File: BM040291.D
Acq: 16 Jun 2023 21:28

Instrument :
BNA_M
ClientSampleId :
DCFH3DL

Tgt Ion:278 Resp: 24393
Ion Ratio Lower Upper
278 100
139 26.2 16.4 24.6#
279 37.3 21.8 32.8#



#29
Benzo(g,h,i)perylene
Concen: 1.446 ng/ul
RT: 27.246 min Scan# 6007
Delta R.T. -0.010 min
Lab File: BM040291.D
Acq: 16 Jun 2023 21:28

Tgt Ion:276 Resp: 111619
Ion Ratio Lower Upper
276 100
138 26.9 21.0 31.4
277 24.7 19.6 29.4

