

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061923\
 Data File : BM040318.D
 Acq On : 19 Jun 2023 17:21
 Operator : MA/JU
 Sample : 03080-02DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFH1DL

Quant Time: Jun 20 00:13:58 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)

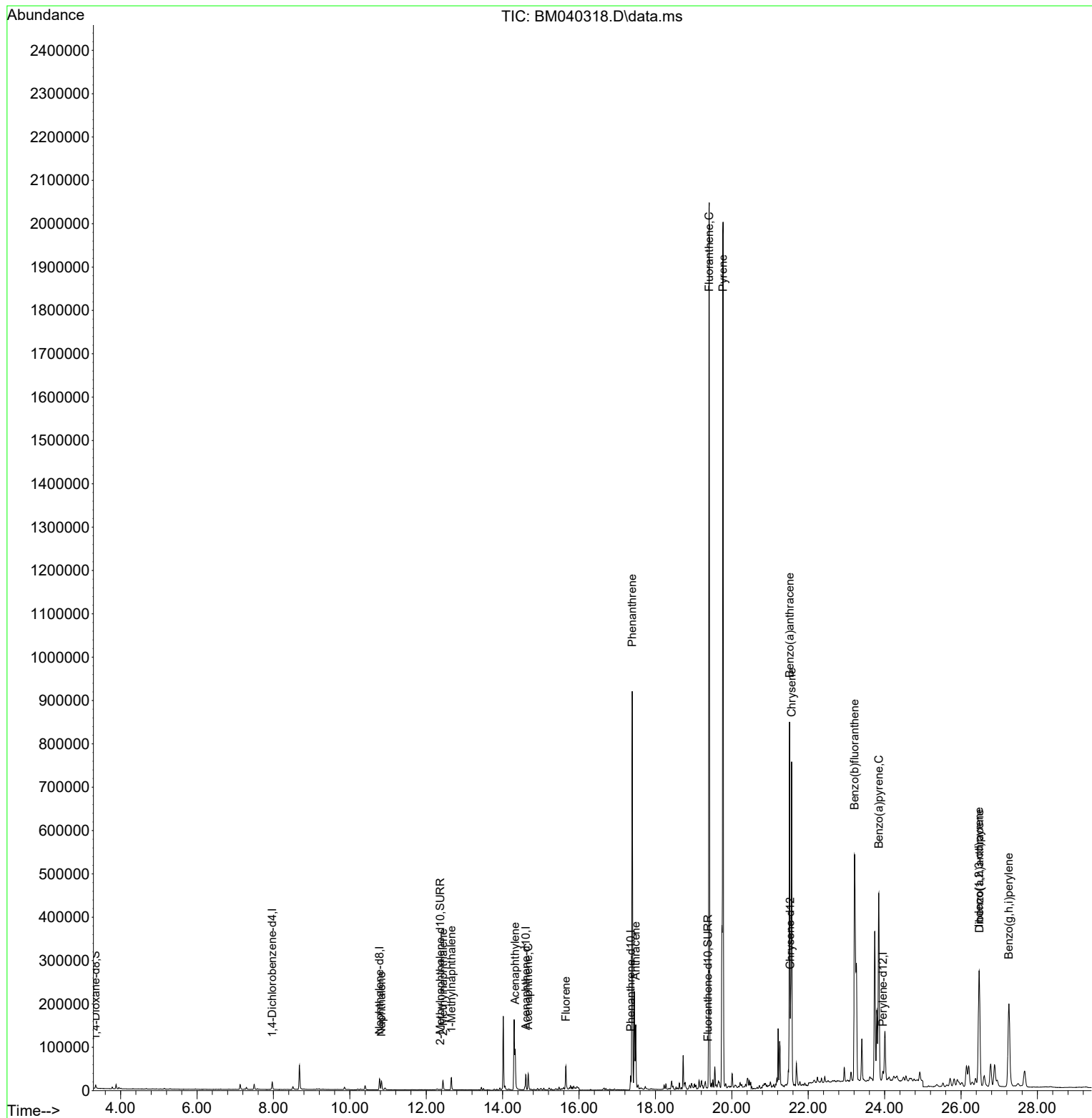
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.970	152	9167	0.400	ng/ul	0.00
4) Naphthalene-d8	10.778	136	35067	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.605	164	18843	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.353	188	37739	0.400	ng/ul	0.00
17) Chrysene-d12	21.529	240	28638	0.400	ng/ul	0.00
23) Perylene-d12	23.955	264	30849	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.346	96	5202	0.460	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.367	152	1621	0.036	ng/ul	0.00
18) Fluoranthene-d10	19.375	212	3394	0.048	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.828	128	27706	0.333	ng/ul	98
7) 2-Methylnaphthalene	12.439	142	16133	0.312	ng/ul	99
8) 1-Methylnaphthalene	12.659	142	19823	0.367	ng/ul	99
10) Acenaphthylene	14.327	152	111574	1.693	ng/ul	99
11) Acenaphthene	14.670	153	21968	0.389	ng/ul	100
12) Fluorene	15.655	166	35556	0.565	ng/ul	99
15) Phenanthrene	17.391	178	930207	9.374	ng/ul	99
16) Anthracene	17.484	178	147805	1.758	ng/ul	99
19) Fluoranthene	19.407	202	1697076	17.397	ng/ul	96
20) Pyrene	19.770	202	1622563	16.009	ng/ul	97
21) Benzo(a)anthracene	21.512	228	707566	8.371	ng/ul	98
22) Chrysene	21.564	228	744175	8.334	ng/ul	98
24) Benzo(b)fluoranthene	23.213	252	937442	8.243	ng/ul	90
26) Benzo(a)pyrene	23.847	252	621022	6.655	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	26.471	276	451840	3.825	ng/ul#	88
28) Dibenzo(a,h)anthracene	26.481	278	118533	1.250	ng/ul	97
29) Benzo(g,h,i)perylene	27.252	276	425148	4.309	ng/ul	97

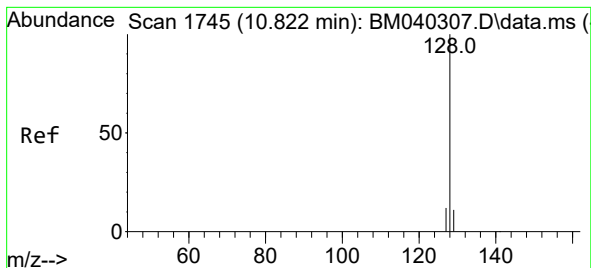
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.333 ng/ul

RT: 10.828 min Scan# 1745

Delta R.T. -0.006 min

Lab File: BM040318.D

Acq: 19 Jun 2023 17:21

Instrument :

BNA_M

ClientSampleId :

DCFH1DL

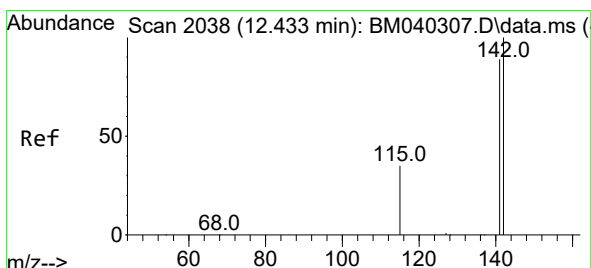
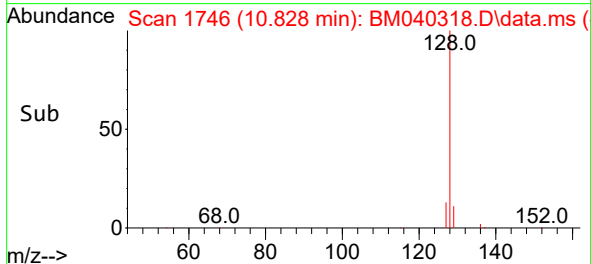
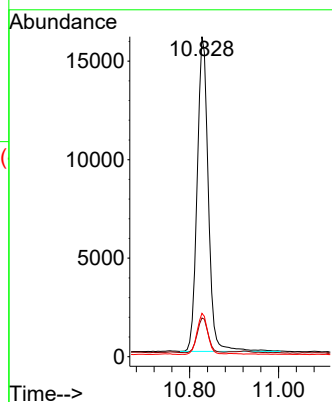
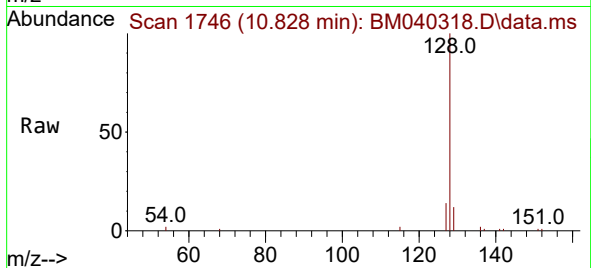
Tgt Ion:128 Resp: 27706

Ion Ratio Lower Upper

128 100

129 12.1 9.1 13.7

127 13.6 10.4 15.6



#7

2-Methylnaphthalene

Concen: 0.312 ng/ul

RT: 12.439 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BM040318.D

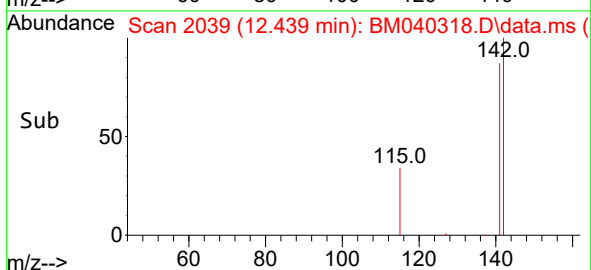
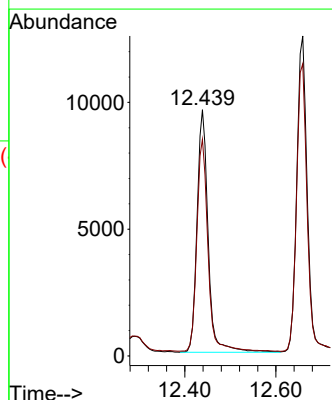
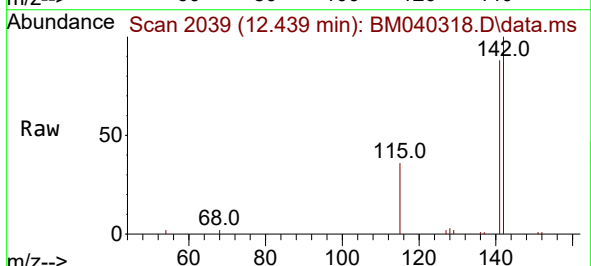
Acq: 19 Jun 2023 17:21

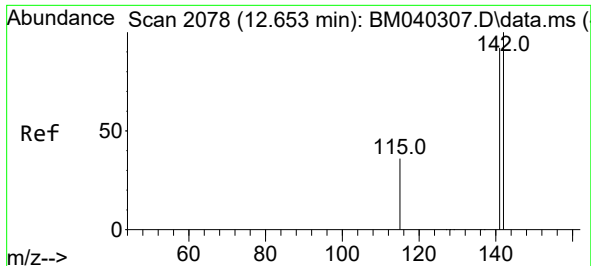
Tgt Ion:142 Resp: 16133

Ion Ratio Lower Upper

142 100

141 87.7 70.6 106.0

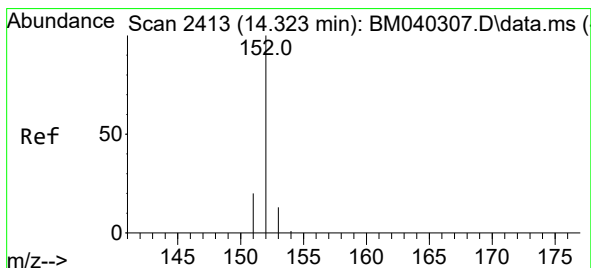
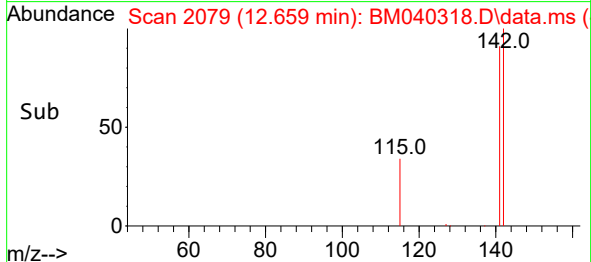
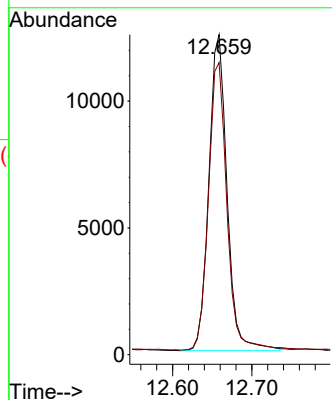
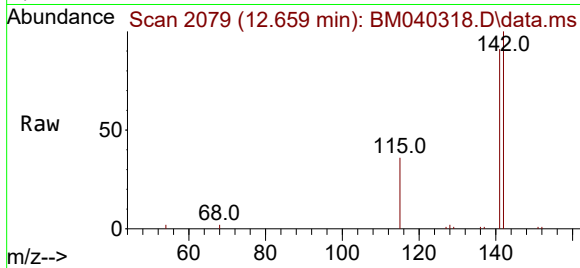




#8
1-Methylnaphthalene
Concen: 0.367 ng/ul
RT: 12.659 min Scan# 2078
Delta R.T. -0.006 min
Lab File: BM040318.D
Acq: 19 Jun 2023 17:21

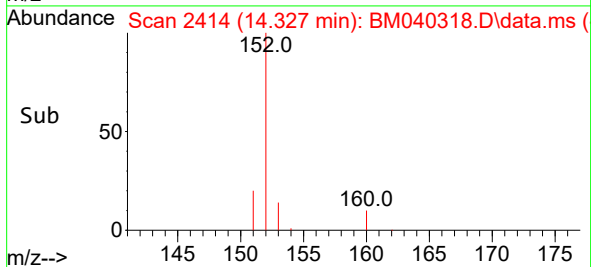
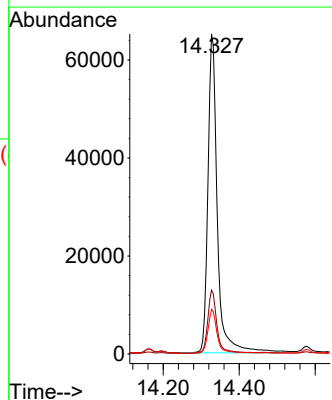
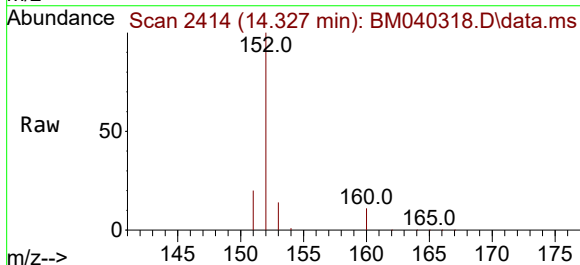
Instrument :
BNA_M
ClientSampleId :
DCFH1DL

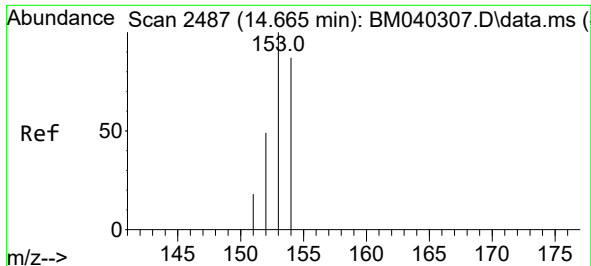
Tgt Ion:142 Resp: 19823
Ion Ratio Lower Upper
142 100
141 91.9 73.0 109.4



#10
Acenaphthylene
Concen: 1.693 ng/ul
RT: 14.327 min Scan# 2414
Delta R.T. -0.005 min
Lab File: BM040318.D
Acq: 19 Jun 2023 17:21

Tgt Ion:152 Resp: 111574
Ion Ratio Lower Upper
152 100
151 19.9 16.3 24.5
153 13.9 10.7 16.1

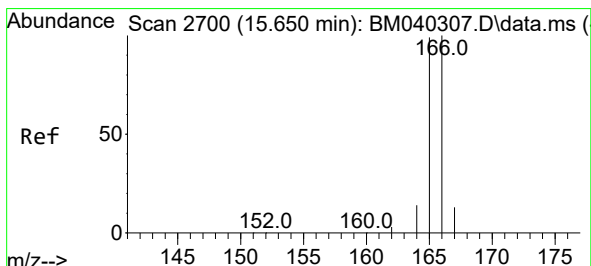
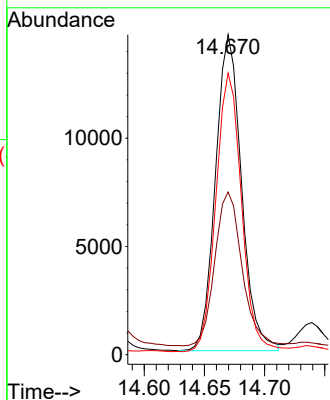
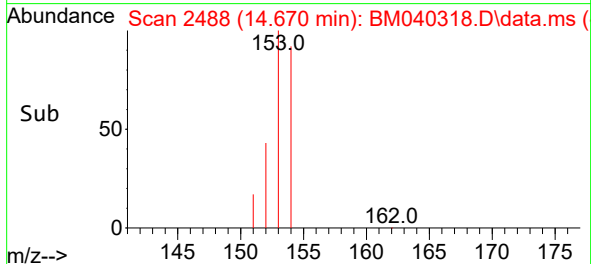
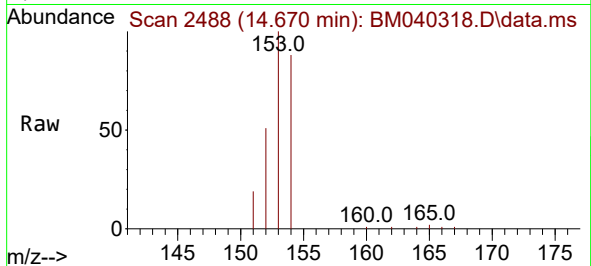




#11
Acenaphthene
Concen: 0.389 ng/ul
RT: 14.670 min Scan# 2488
Delta R.T. -0.005 min
Lab File: BM040318.D
Acq: 19 Jun 2023 17:21

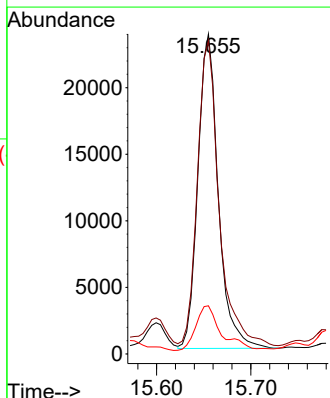
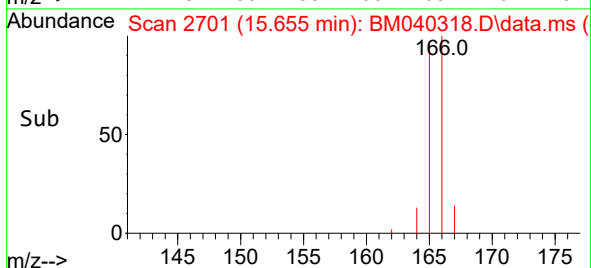
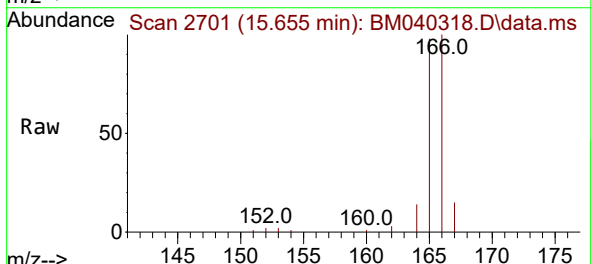
Instrument :
BNA_M
ClientSampleId :
DCFH1DL

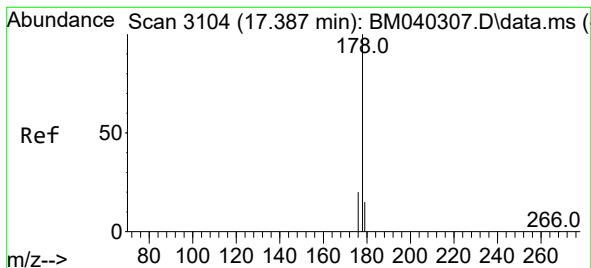
Tgt Ion:153 Resp: 21968
Ion Ratio Lower Upper
153 100
152 50.9 40.3 60.5
154 88.0 70.5 105.7



#12
Fluorene
Concen: 0.565 ng/ul
RT: 15.655 min Scan# 2701
Delta R.T. -0.005 min
Lab File: BM040318.D
Acq: 19 Jun 2023 17:21

Tgt Ion:166 Resp: 35556
Ion Ratio Lower Upper
166 100
165 98.0 78.2 117.4
167 15.1 11.0 16.4





#15

Phenanthrene

Concen: 9.374 ng/ul

RT: 17.391 min Scan# 3105

Delta R.T. -0.004 min

Lab File: BM040318.D

Acq: 19 Jun 2023 17:21

Instrument :

BNA_M

ClientSampleId :

DCFH1DL

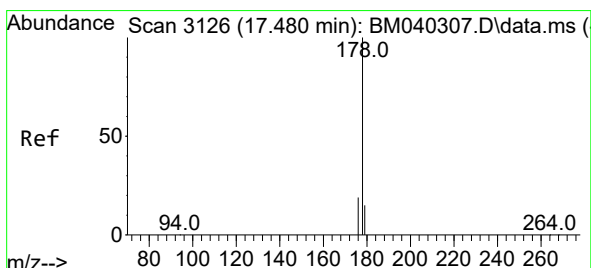
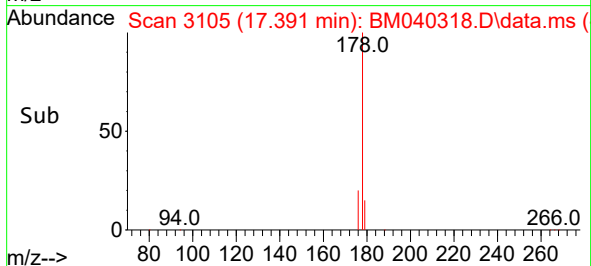
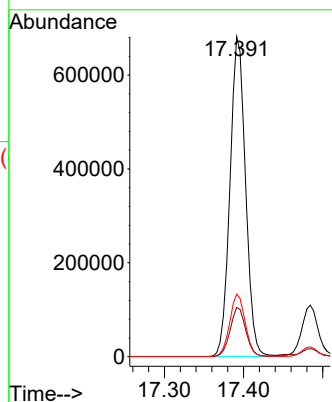
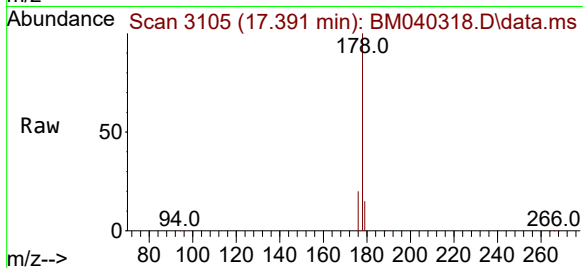
Tgt Ion:178 Resp: 930207

Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

176 19.6 16.1 24.1



#16

Anthracene

Concen: 1.758 ng/ul

RT: 17.484 min Scan# 3127

Delta R.T. -0.004 min

Lab File: BM040318.D

Acq: 19 Jun 2023 17:21

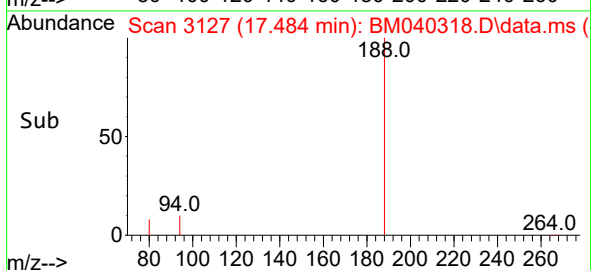
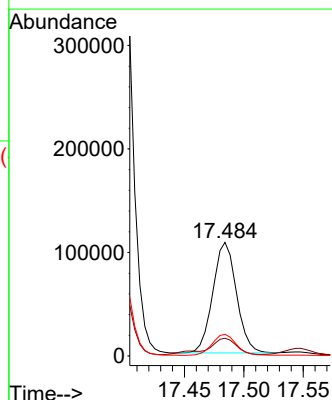
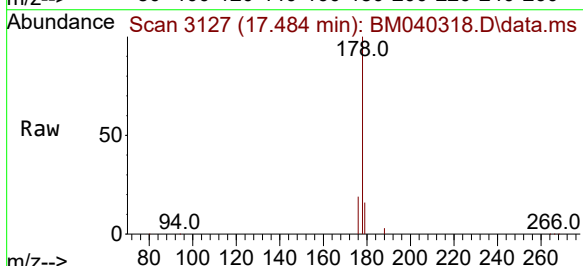
Tgt Ion:178 Resp: 147805

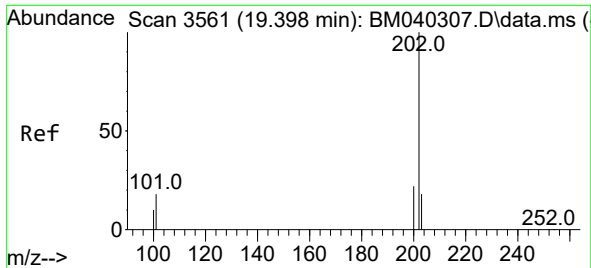
Ion Ratio Lower Upper

178 100

179 15.7 13.0 19.4

176 19.0 15.5 23.3

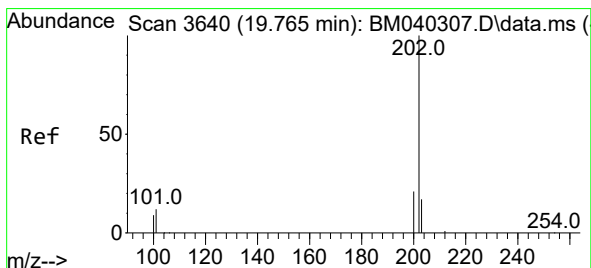
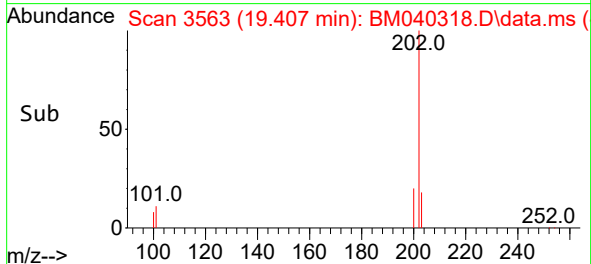
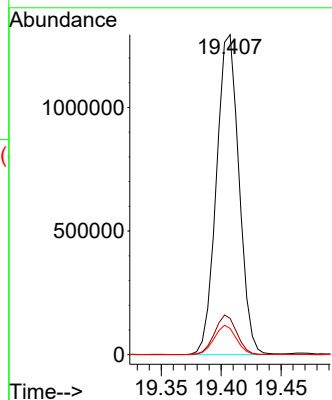
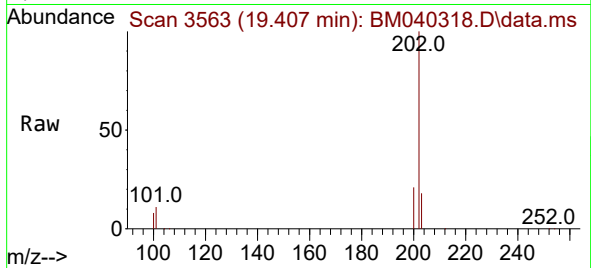




#19
Fluoranthene
Concen: 17.397 ng/ul
RT: 19.407 min Scan# 3563
Delta R.T. -0.000 min
Lab File: BM040318.D
Acq: 19 Jun 2023 17:21

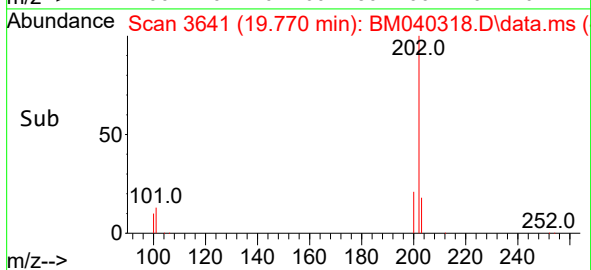
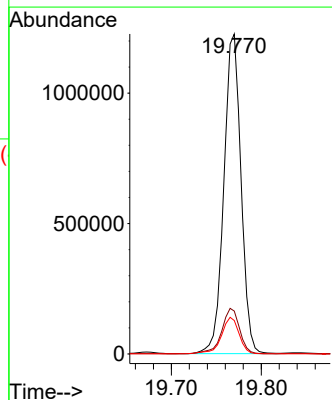
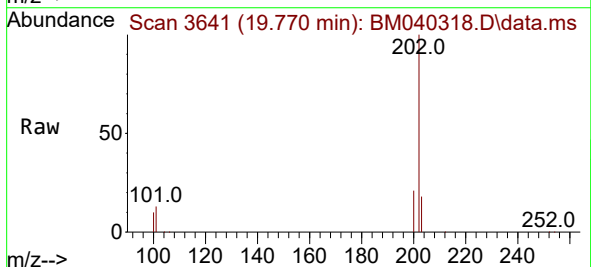
Instrument :
BNA_M
ClientSampleId :
DCFH1DL

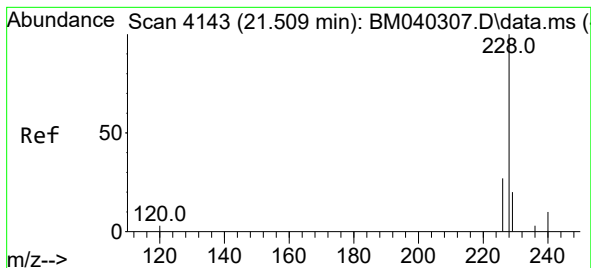
Tgt Ion:202 Resp: 1697076
Ion Ratio Lower Upper
202 100
101 11.4 10.2 15.4
100 8.2 7.6 11.4



#20
Pyrene
Concen: 16.009 ng/ul
RT: 19.770 min Scan# 3641
Delta R.T. -0.000 min
Lab File: BM040318.D
Acq: 19 Jun 2023 17:21

Tgt Ion:202 Resp: 1622563
Ion Ratio Lower Upper
202 100
101 13.4 11.8 17.8
100 10.4 9.3 13.9





#21

Benzo(a)anthracene

Concen: 8.371 ng/ul

RT: 21.512 min Scan# 4143

Delta R.T. -0.003 min

Lab File: BM040318.D

Acq: 19 Jun 2023 17:21

Instrument :

BNA_M

ClientSampleId :

DCFH1DL

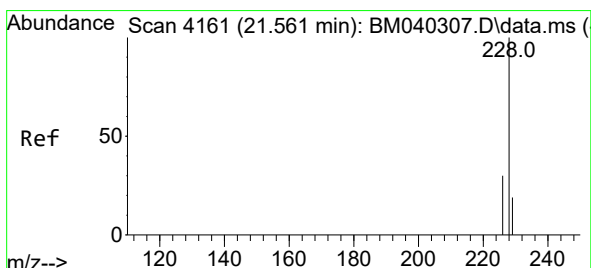
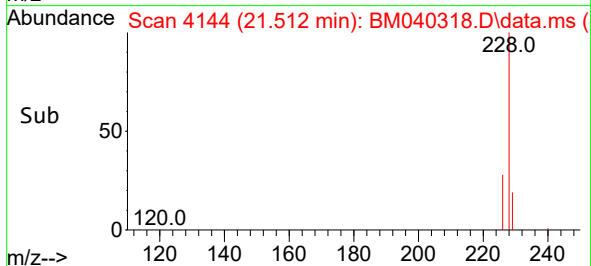
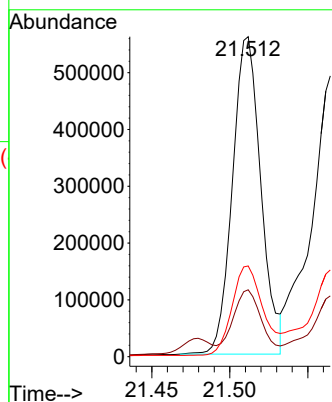
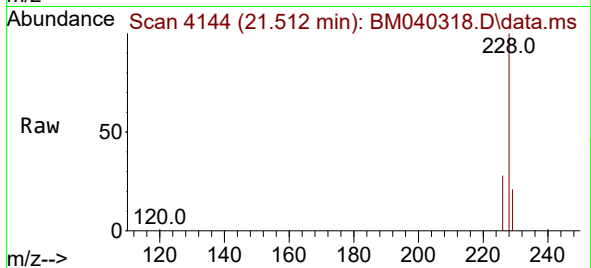
Tgt Ion:228 Resp: 707566

Ion Ratio Lower Upper

228 100

229 20.9 15.8 23.8

226 28.4 22.0 33.0



#22

Chrysene

Concen: 8.334 ng/ul

RT: 21.564 min Scan# 4162

Delta R.T. -0.006 min

Lab File: BM040318.D

Acq: 19 Jun 2023 17:21

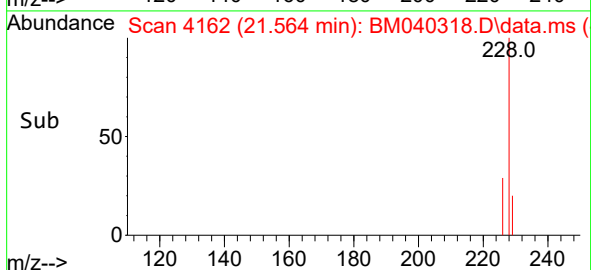
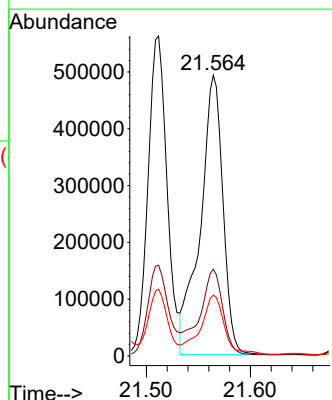
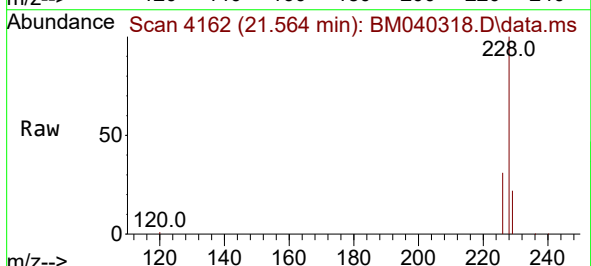
Tgt Ion:228 Resp: 744175

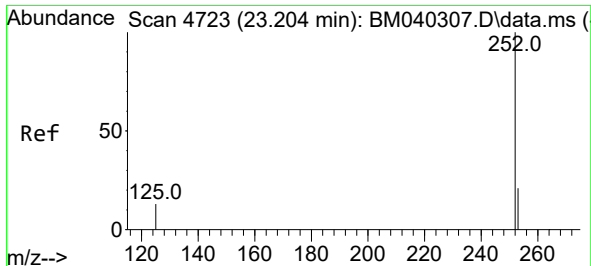
Ion Ratio Lower Upper

228 100

226 30.9 24.3 36.5

229 21.7 15.7 23.5

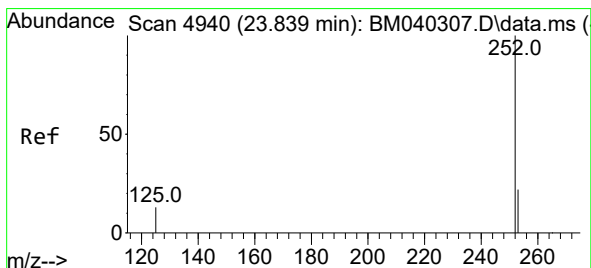
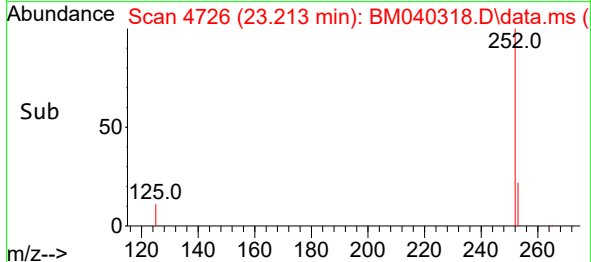
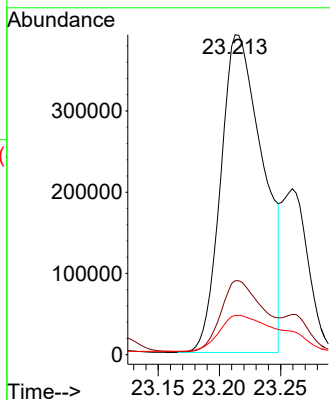
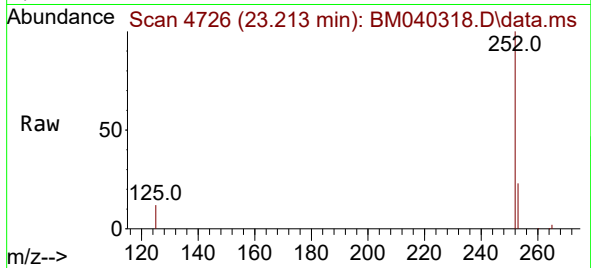




#24
Benzo(b)fluoranthene
Concen: 8.243 ng/ul
RT: 23.213 min Scan# 41
Delta R.T. -0.003 min
Lab File: BM040318.D
Acq: 19 Jun 2023 17:21

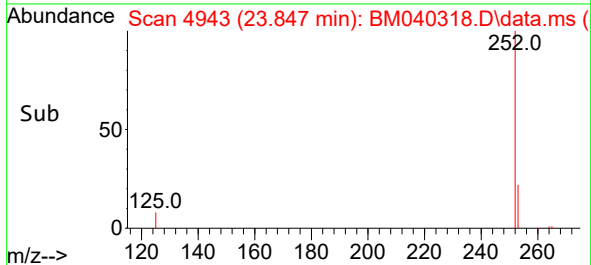
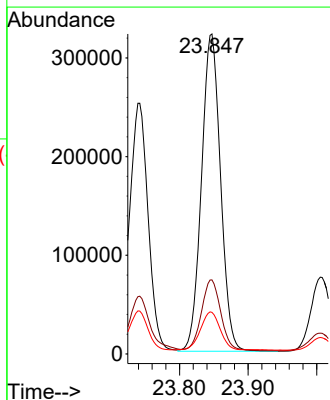
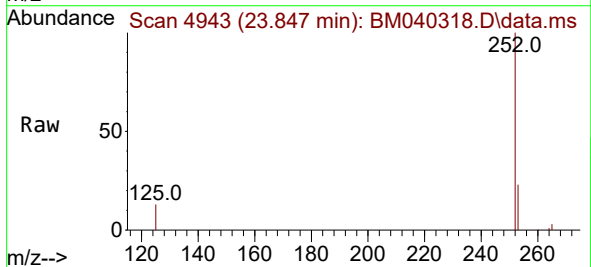
Instrument :
BNA_M
ClientSampleId :
DCFH1DL

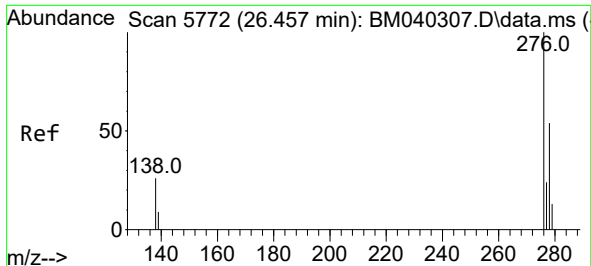
Tgt Ion:252 Resp: 937442
Ion Ratio Lower Upper
252 100
253 23.1 0.0 52.4
125 12.2 0.0 38.4



#26
Benzo(a)pyrene
Concen: 6.655 ng/ul
RT: 23.847 min Scan# 4943
Delta R.T. -0.003 min
Lab File: BM040318.D
Acq: 19 Jun 2023 17:21

Tgt Ion:252 Resp: 621022
Ion Ratio Lower Upper
252 100
253 23.2 23.4 35.0#
125 13.0 19.7 29.5#

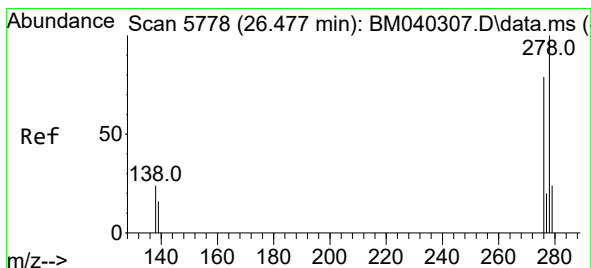
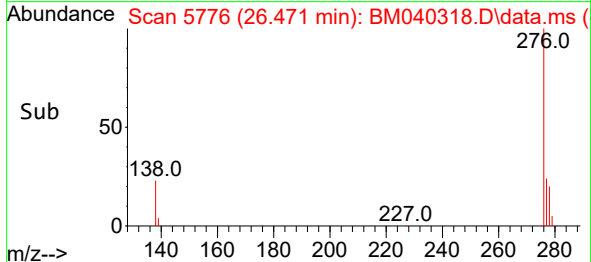
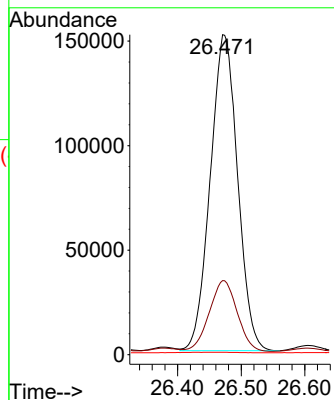
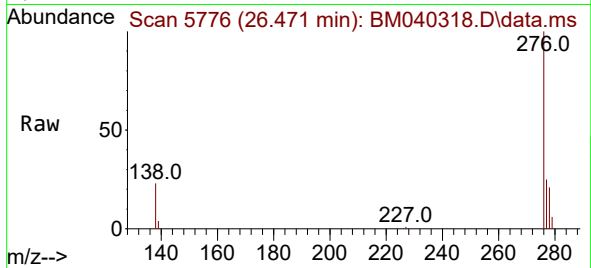




#27
Indeno(1,2,3-cd)pyrene
Concen: 3.825 ng/ul
RT: 26.471 min Scan# 5776
Delta R.T. -0.007 min
Lab File: BM040318.D
Acq: 19 Jun 2023 17:21

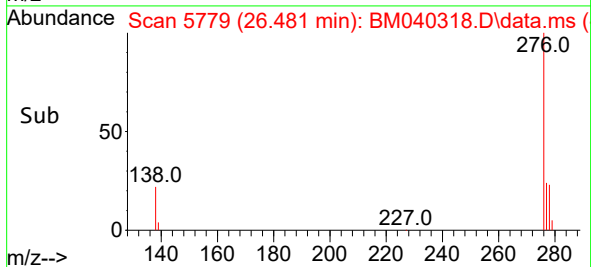
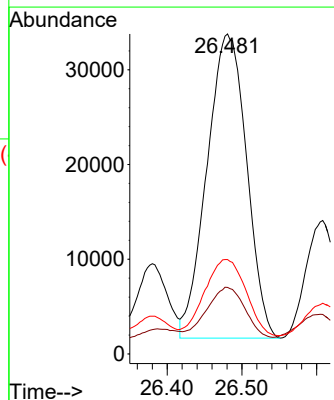
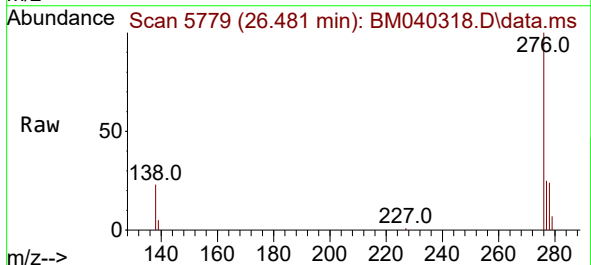
Instrument :
BNA_M
ClientSampleId :
DCFH1DL

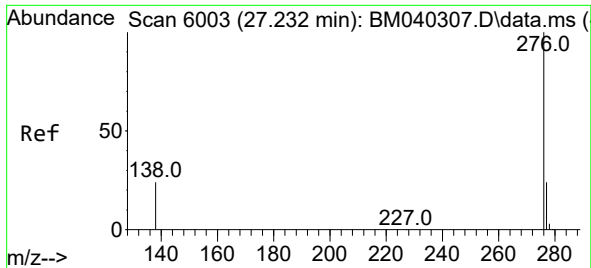
Tgt Ion:276 Resp: 451840
Ion Ratio Lower Upper
276 100
138 22.8 23.3 34.9#
227 0.3 0.1 0.1#



#28
Dibenzo(a,h)anthracene
Concen: 1.250 ng/ul
RT: 26.481 min Scan# 5779
Delta R.T. -0.017 min
Lab File: BM040318.D
Acq: 19 Jun 2023 17:21

Tgt Ion:278 Resp: 118533
Ion Ratio Lower Upper
278 100
139 20.8 16.4 24.6
279 29.5 21.8 32.8





#29
 Benzo(g,h,i)perylene
 Concen: 4.309 ng/ul
 RT: 27.252 min Scan# 6009
 Delta R.T. -0.003 min
 Lab File: BM040318.D
 Acq: 19 Jun 2023 17:21

Instrument :
 BNA_M
 ClientSampleId :
 DCFH1DL

Tgt Ion:276 Resp: 425148
 Ion Ratio Lower Upper
 276 100
 138 23.8 21.0 31.4
 277 24.4 19.6 29.4

