

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062923\
 Data File : BM040436.D
 Acq On : 29 Jun 2023 14:12
 Operator : MA/JU
 Sample : 03143-14
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFV1

Quant Time: Jun 30 03:05:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 23 00:44:24 2023
 Response via : Initial Calibration

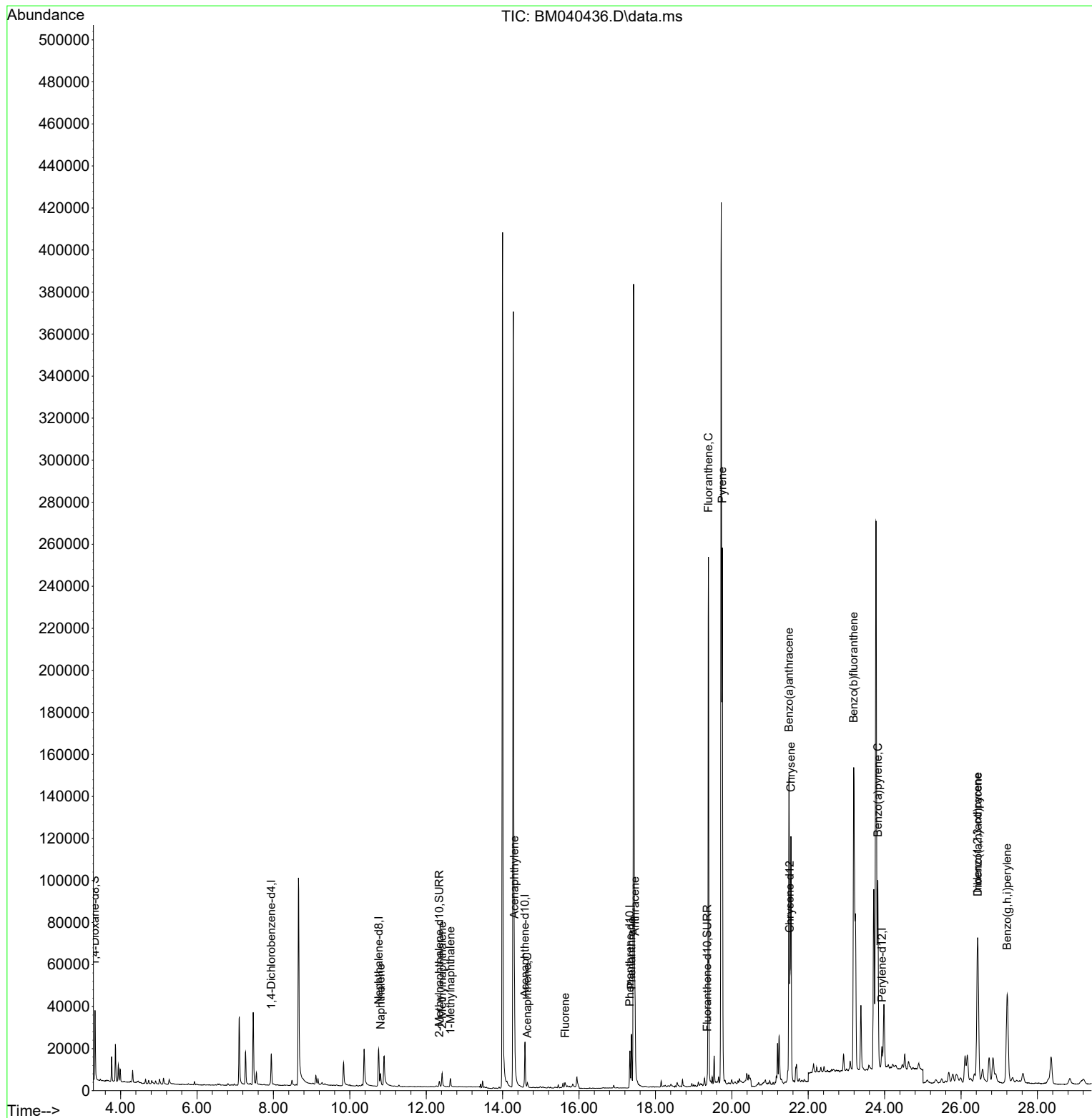
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.944	152	7948	0.400	ng/ul	0.00
4) Naphthalene-d8	10.755	136	27980	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.585	164	12381	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.331	188	21254	0.400	ng/ul	0.00
17) Chrysene-d12	21.512	240	11614	0.400	ng/ul	0.00
23) Perylene-d12	23.929	264	14313	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.329	96	19451	1.558	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.344	152	4314	0.110	ng/ul	0.00
18) Fluoranthene-d10	19.355	212	4624	0.124	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.804	128	8577	0.111	ng/ul#	93
7) 2-Methylnaphthalene	12.415	142	5647	0.125	ng/ul	98
8) 1-Methylnaphthalene	12.635	142	3032	0.067	ng/ul	98
10) Acenaphthylene	14.307	152	47361	0.856	ng/ul	99
11) Acenaphthene	14.645	153	1466	0.031	ng/ul	93
12) Fluorene	15.635	166	2084	0.042	ng/ul#	92
15) Phenanthrene	17.373	178	28555	0.433	ng/ul	99
16) Anthracene	17.462	178	43580	0.786	ng/ul	100
19) Fluoranthene	19.387	202	208345	4.223	ng/ul	96
20) Pyrene	19.750	202	205467	3.885	ng/ul	97
21) Benzo(a)anthracene	21.495	228	121872	3.102	ng/ul	98
22) Chrysene	21.547	228	135940	3.034	ng/ul	98
24) Benzo(b)fluoranthene	23.190	252	259556	4.686	ng/ul	90
26) Benzo(a)pyrene	23.821	252	130988	2.625	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	26.434	276	125369	1.804	ng/ul#	87
28) Dibenzo(a,h)anthracene	26.441	278	32161	0.591	ng/ul	95
29) Benzo(g,h,i)perylene	27.209	276	101633	1.669	ng/ul	96

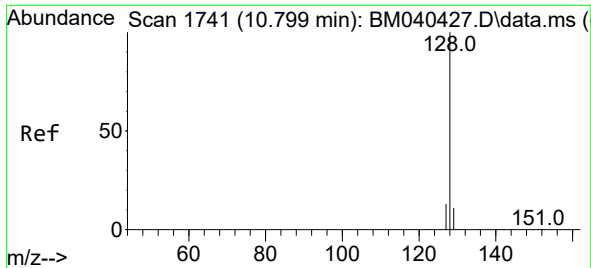
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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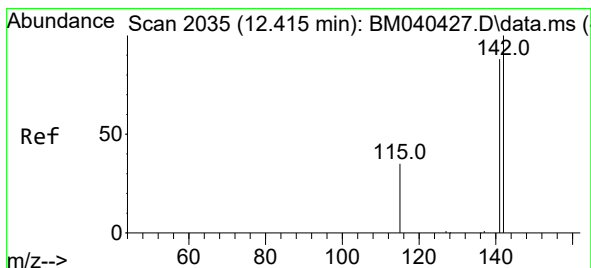
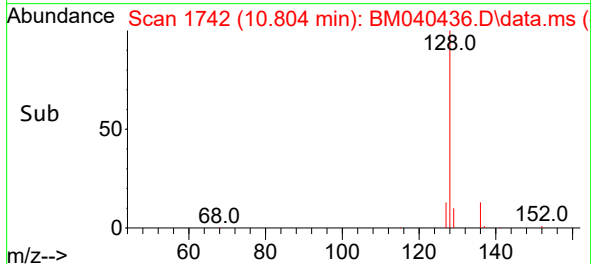
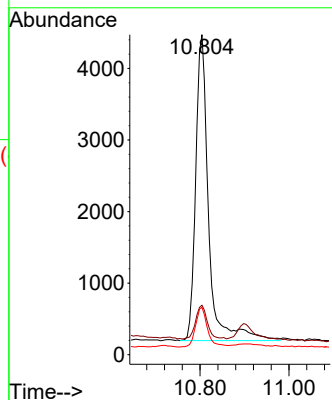
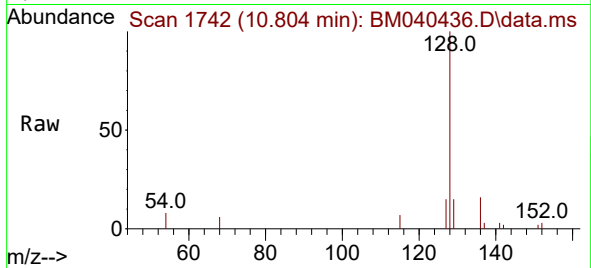




#5
Naphthalene
Concen: 0.111 ng/ul
RT: 10.804 min Scan# 1742
Delta R.T. -0.007 min
Lab File: BM040436.D
Acq: 29 Jun 2023 14:12

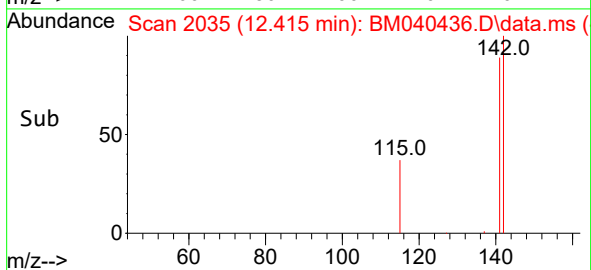
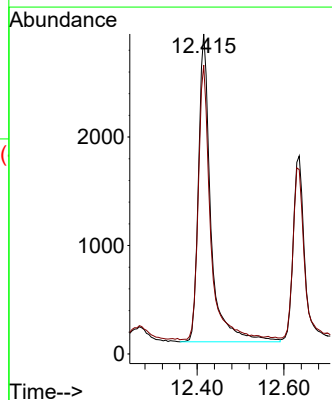
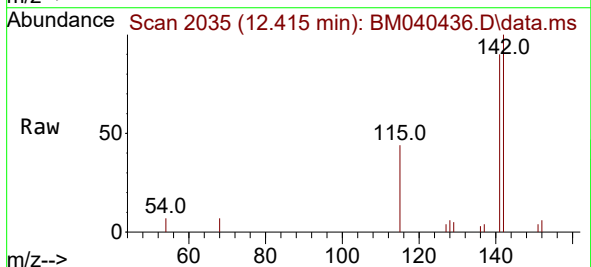
Instrument :
BNA_M
ClientSampleId :
DCFV1

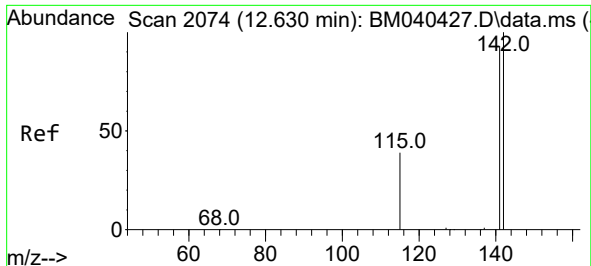
Tgt Ion:128 Resp: 8577
Ion Ratio Lower Upper
128 100
129 15.5 9.2 13.8#
127 14.8 10.6 15.8



#7
2-Methylnaphthalene
Concen: 0.125 ng/ul
RT: 12.415 min Scan# 2035
Delta R.T. -0.007 min
Lab File: BM040436.D
Acq: 29 Jun 2023 14:12

Tgt Ion:142 Resp: 5647
Ion Ratio Lower Upper
142 100
141 88.2 71.9 107.9

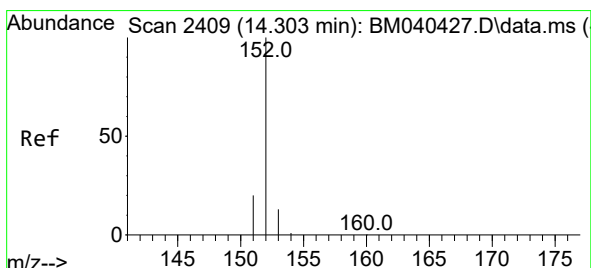
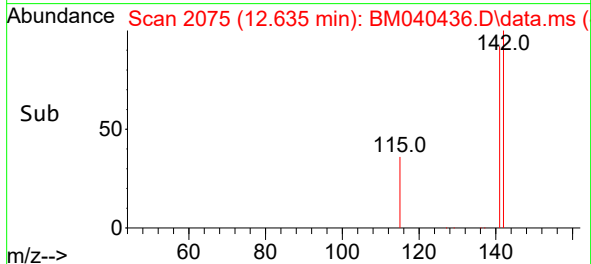
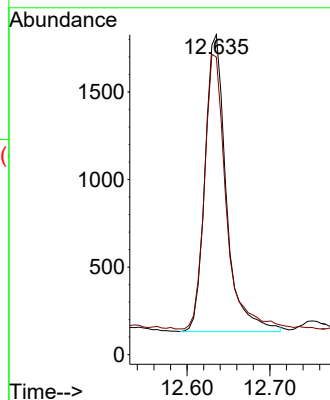
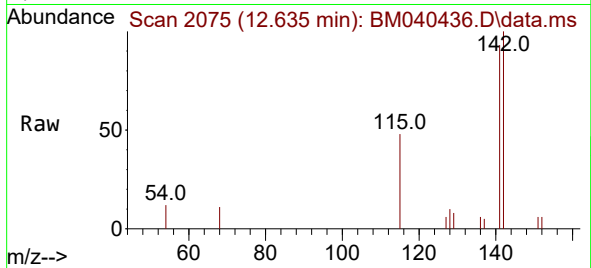




#8
1-Methylnaphthalene
Concen: 0.067 ng/ul
RT: 12.635 min Scan# 2074
Delta R.T. -0.007 min
Lab File: BM040436.D
Acq: 29 Jun 2023 14:12

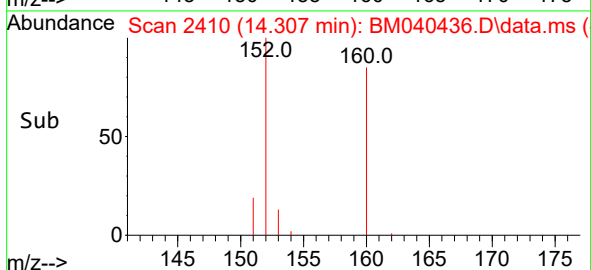
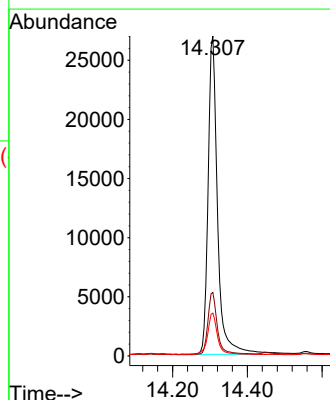
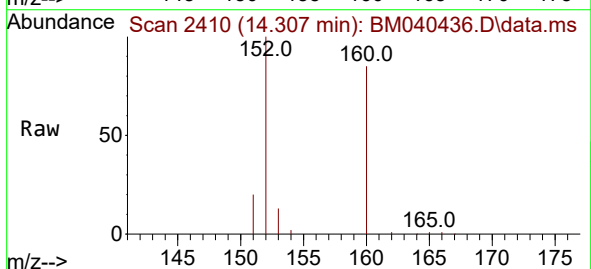
Instrument :
BNA_M
ClientSampleId :
DCFV1

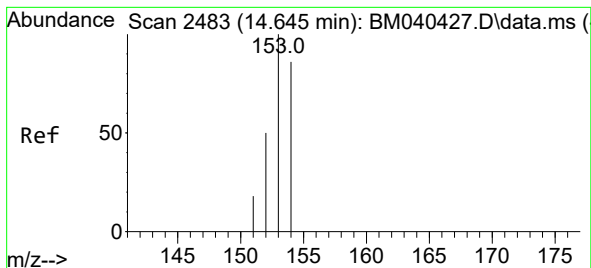
Tgt Ion:142 Resp: 3032
Ion Ratio Lower Upper
142 100
141 93.5 73.7 110.5



#10
Acenaphthylene
Concen: 0.856 ng/ul
RT: 14.307 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BM040436.D
Acq: 29 Jun 2023 14:12

Tgt Ion:152 Resp: 47361
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 13.4 10.9 16.3





#11

Acenaphthene

Concen: 0.031 ng/ul

RT: 14.645 min Scan# 2483

Delta R.T. -0.011 min

Lab File: BM040436.D

Acq: 29 Jun 2023 14:12

Instrument :

BNA_M

ClientSampleId :

DCFV1

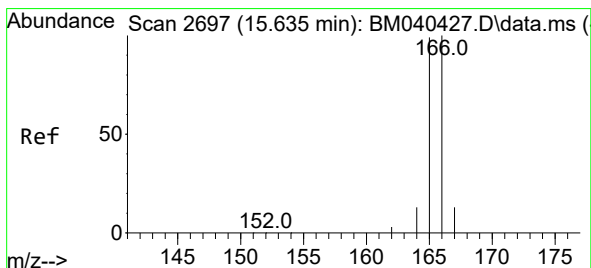
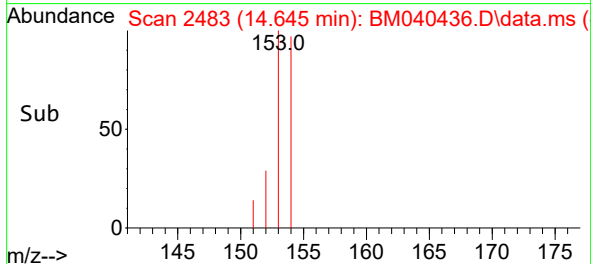
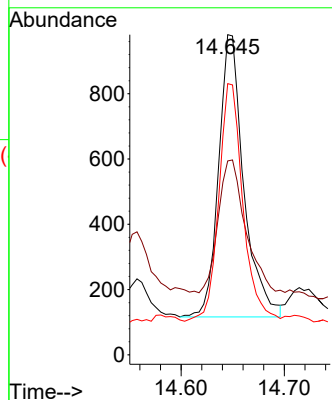
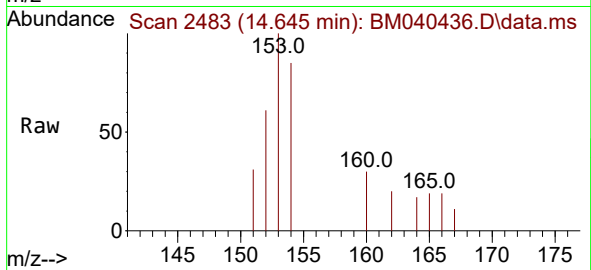
Tgt Ion:153 Resp: 1466

Ion Ratio Lower Upper

153 100

152 60.6 41.0 61.4

154 84.7 70.8 106.2



#12

Fluorene

Concen: 0.042 ng/ul

RT: 15.635 min Scan# 2697

Delta R.T. -0.006 min

Lab File: BM040436.D

Acq: 29 Jun 2023 14:12

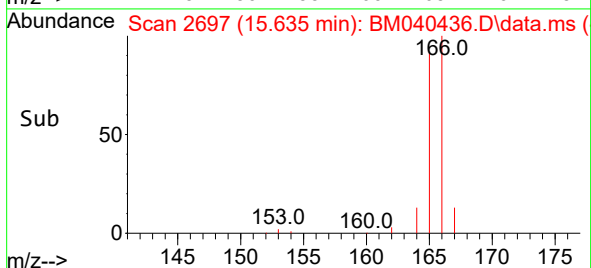
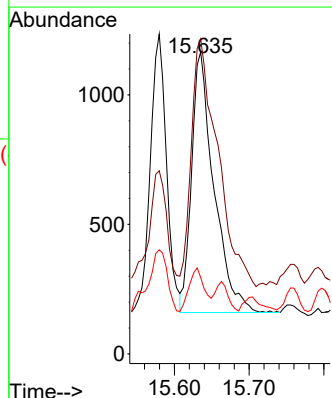
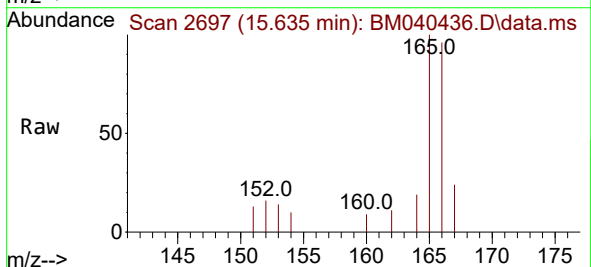
Tgt Ion:166 Resp: 2084

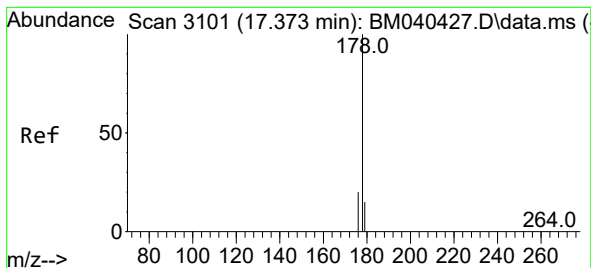
Ion Ratio Lower Upper

166 100

165 104.2 79.6 119.4

167 25.3 11.4 17.0#





#15

Phenanthrene

Concen: 0.433 ng/ul

RT: 17.373 min Scan# 3101

Delta R.T. -0.006 min

Lab File: BM040436.D

Acq: 29 Jun 2023 14:12

Instrument :

BNA_M

ClientSampleId :

DCFV1

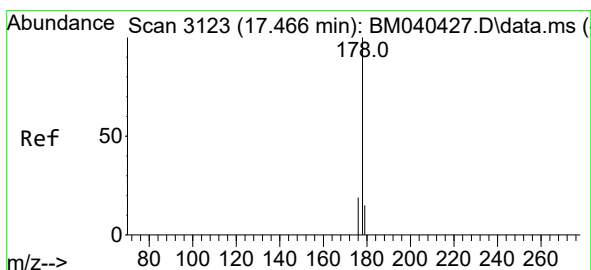
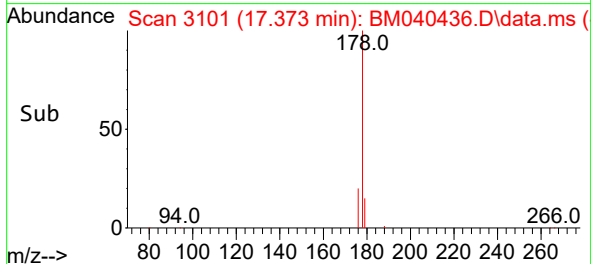
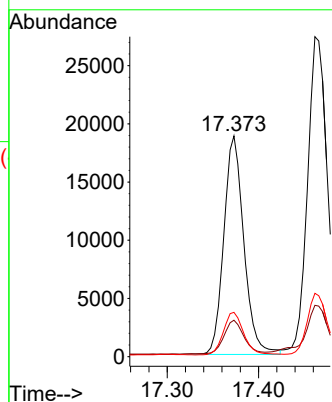
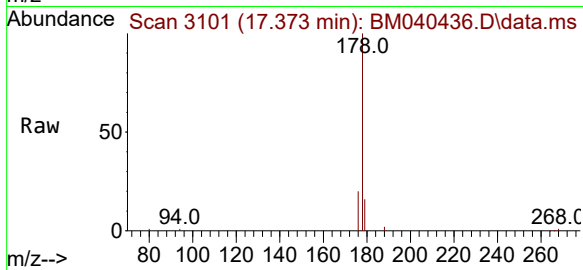
Tgt Ion:178 Resp: 28555

Ion Ratio Lower Upper

178 100

179 16.5 12.8 19.2

176 20.1 16.4 24.6



#16

Anthracene

Concen: 0.786 ng/ul

RT: 17.462 min Scan# 3122

Delta R.T. -0.010 min

Lab File: BM040436.D

Acq: 29 Jun 2023 14:12

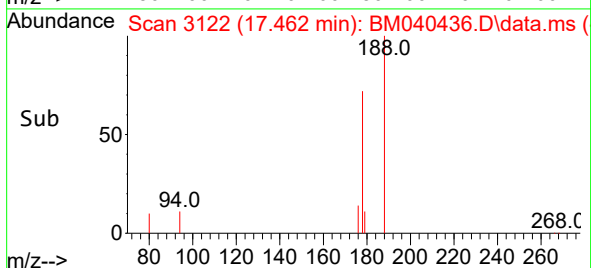
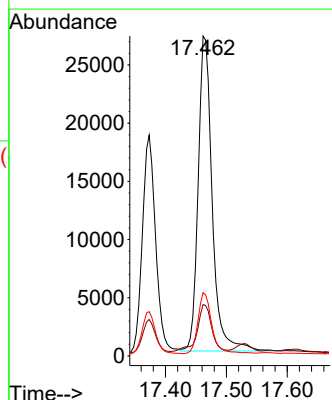
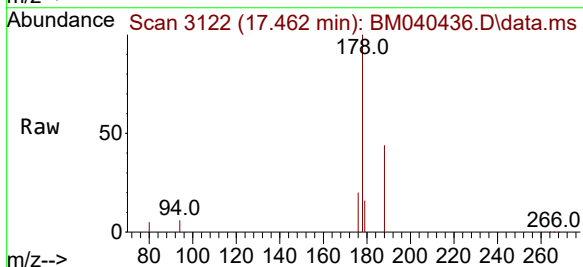
Tgt Ion:178 Resp: 43580

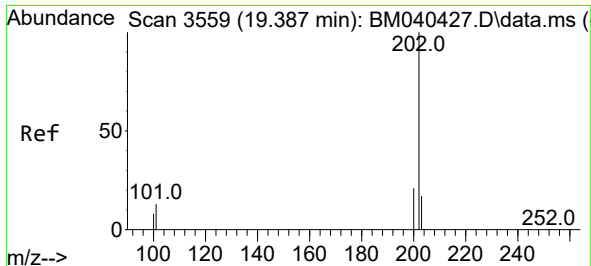
Ion Ratio Lower Upper

178 100

179 16.0 12.9 19.3

176 19.8 15.8 23.6

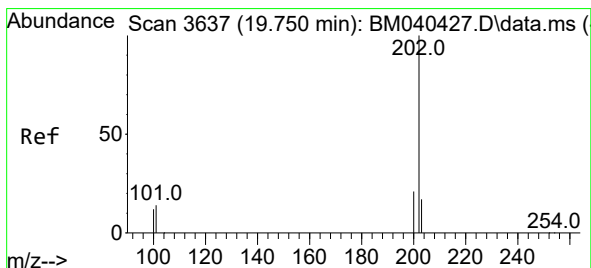
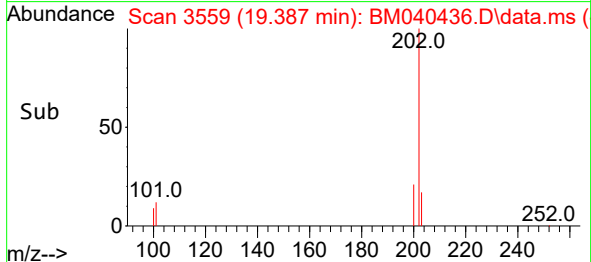
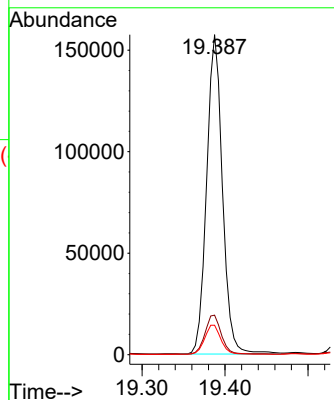
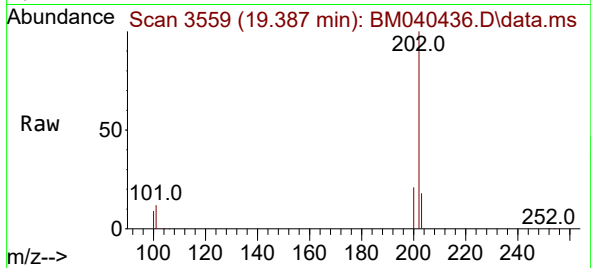




#19
Fluoranthene
Concen: 4.223 ng/ul
RT: 19.387 min Scan# 3559
Delta R.T. -0.001 min
Lab File: BM040436.D
Acq: 29 Jun 2023 14:12

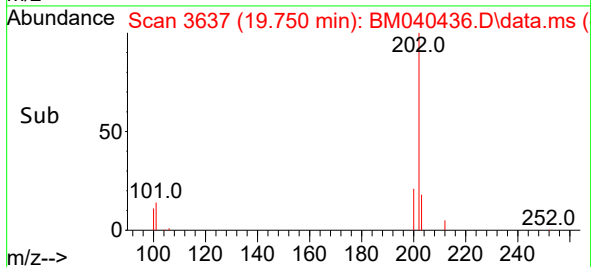
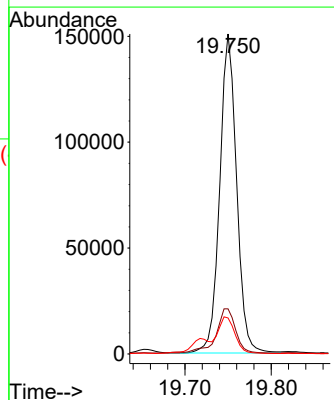
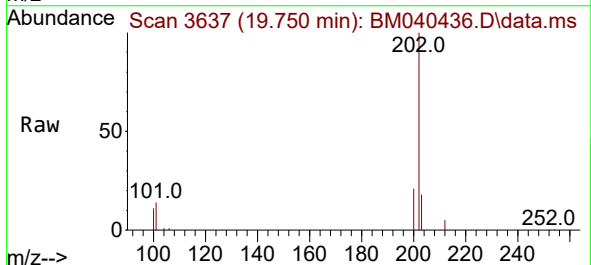
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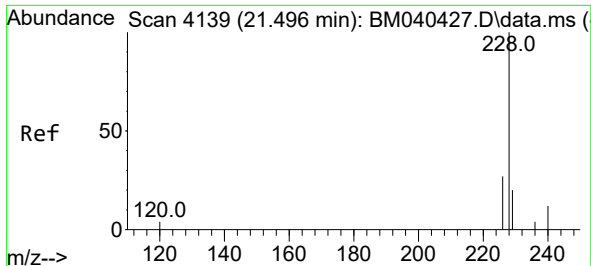
Tgt Ion:202 Resp: 208345
Ion Ratio Lower Upper
202 100
101 12.4 11.4 17.0
100 9.2 8.7 13.1



#20
Pyrene
Concen: 3.885 ng/ul
RT: 19.750 min Scan# 3637
Delta R.T. -0.006 min
Lab File: BM040436.D
Acq: 29 Jun 2023 14:12

Tgt Ion:202 Resp: 205467
Ion Ratio Lower Upper
202 100
101 14.1 12.6 18.8
100 11.2 9.8 14.6

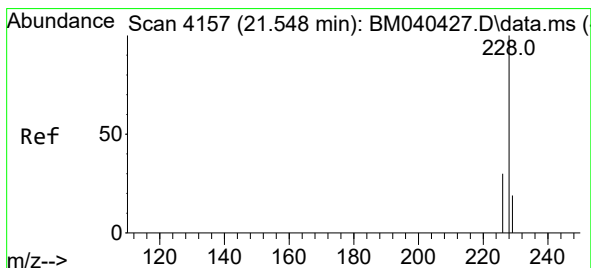
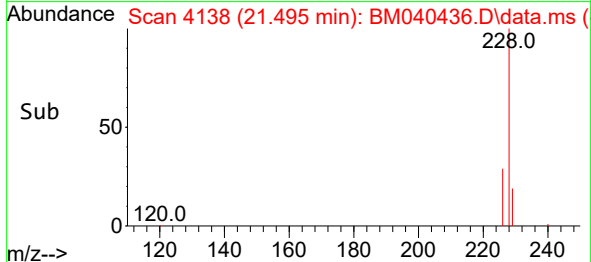
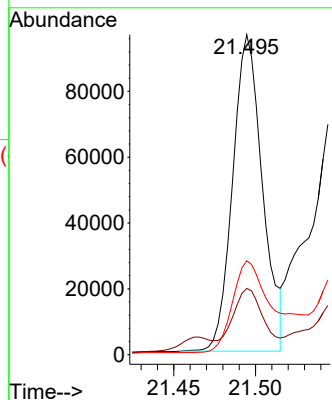
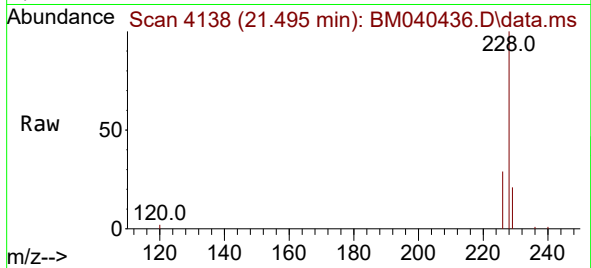




#21
Benzo(a)anthracene
Concen: 3.102 ng/ul
RT: 21.495 min Scan# 4139
Delta R.T. -0.006 min
Lab File: BM040436.D
Acq: 29 Jun 2023 14:12

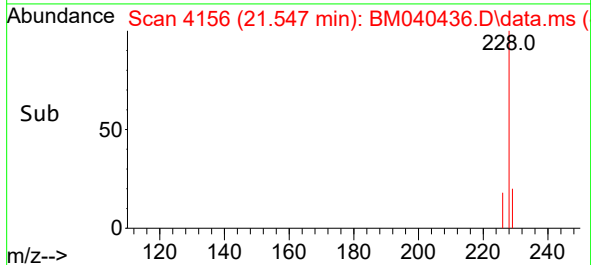
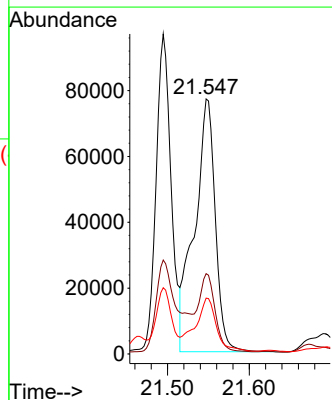
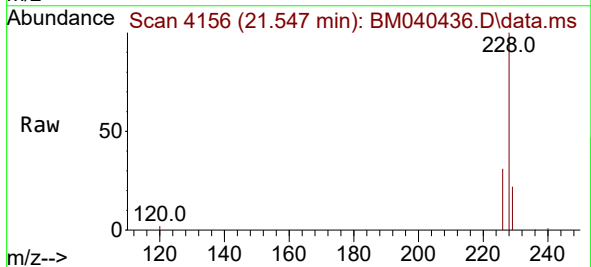
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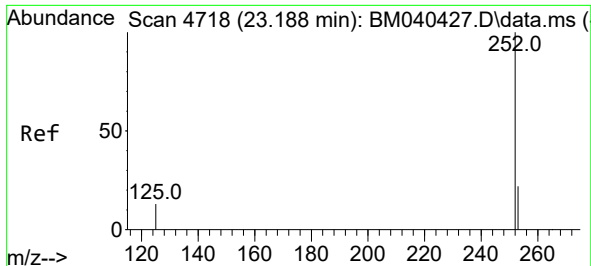
Tgt Ion:228 Resp: 121872
Ion Ratio Lower Upper
228 100
229 20.7 16.0 24.0
226 29.4 22.3 33.5



#22
Chrysene
Concen: 3.034 ng/ul
RT: 21.547 min Scan# 4156
Delta R.T. -0.006 min
Lab File: BM040436.D
Acq: 29 Jun 2023 14:12

Tgt Ion:228 Resp: 135940
Ion Ratio Lower Upper
228 100
226 31.5 24.9 37.3
229 21.9 15.8 23.6

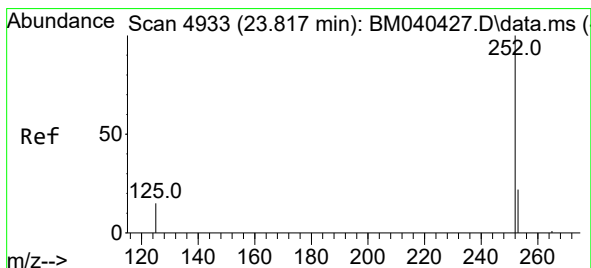
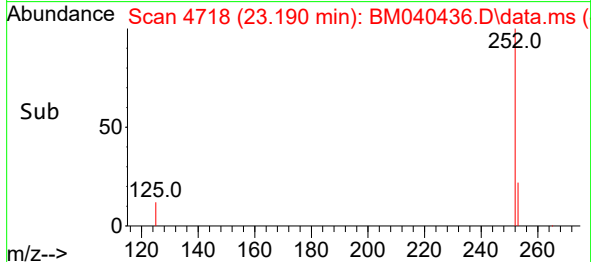
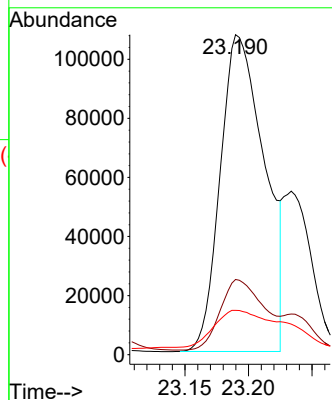
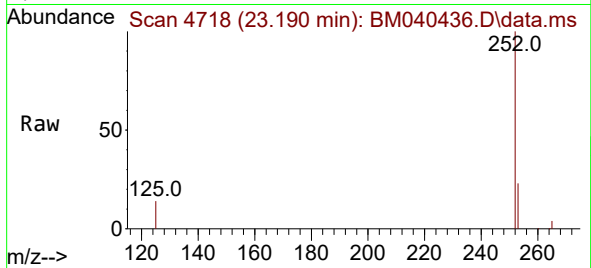




#24
Benzo(b)fluoranthene
Concen: 4.686 ng/ul
RT: 23.190 min Scan# 4718
Delta R.T. -0.003 min
Lab File: BM040436.D
Acq: 29 Jun 2023 14:12

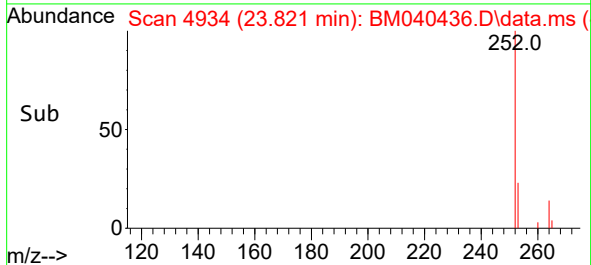
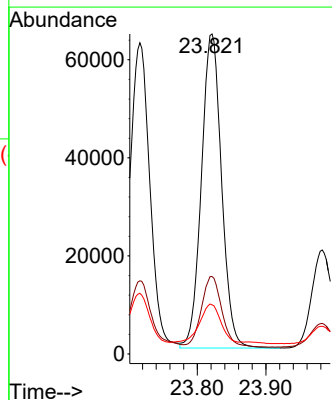
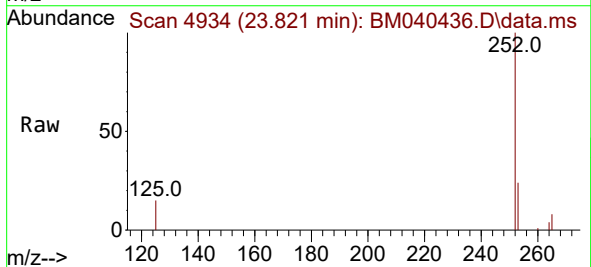
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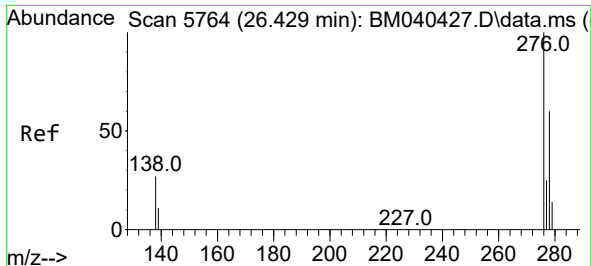
Tgt Ion:252 Resp: 259556
Ion Ratio Lower Upper
252 100
253 23.5 0.0 52.8
125 13.9 0.0 43.0



#26
Benzo(a)pyrene
Concen: 2.625 ng/ul
RT: 23.821 min Scan# 4934
Delta R.T. -0.003 min
Lab File: BM040436.D
Acq: 29 Jun 2023 14:12

Tgt Ion:252 Resp: 130988
Ion Ratio Lower Upper
252 100
253 24.2 22.9 34.3
125 15.3 21.0 31.4#

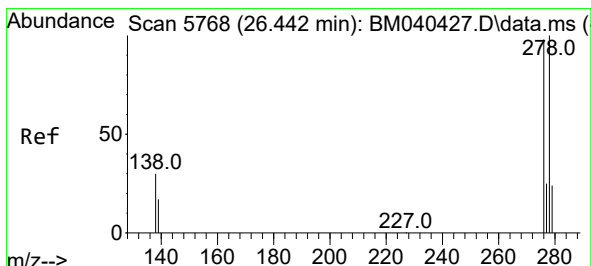
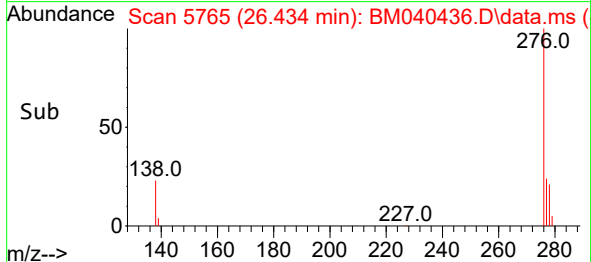
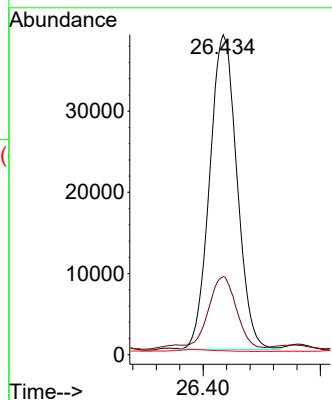
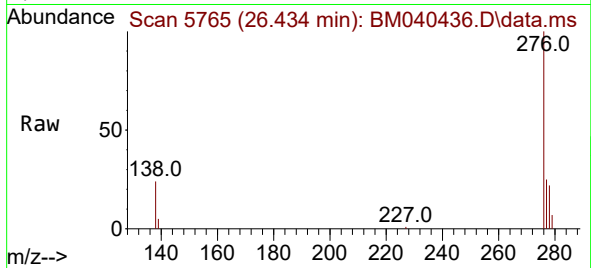




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 1.804 ng/ul
 RT: 26.434 min Scan# 5764
 Delta R.T. 0.000 min
 Lab File: BM040436.D
 Acq: 29 Jun 2023 14:12

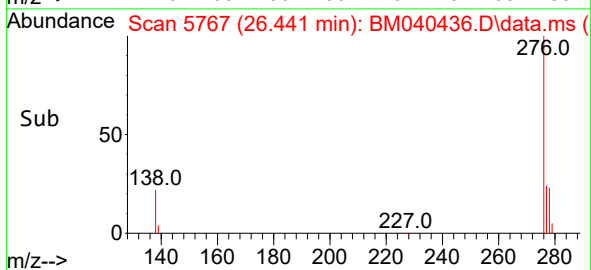
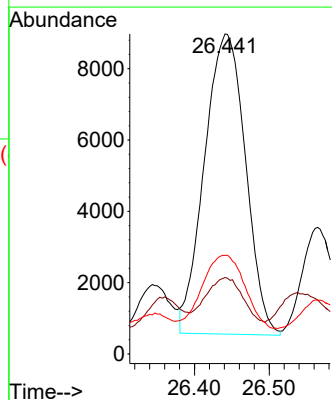
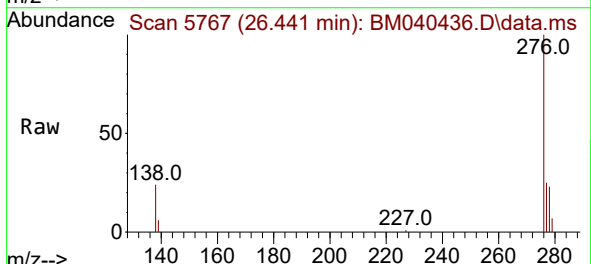
Instrument :
 BNA_M
 ClientSampleId :
 DCFV1

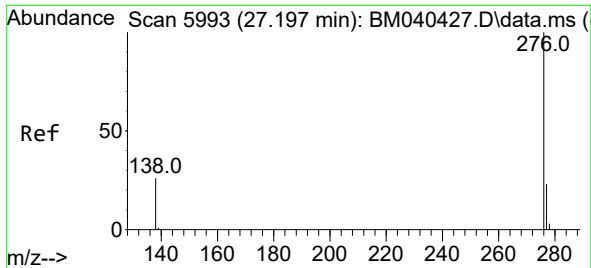
Tgt Ion:276 Resp: 125369
 Ion Ratio Lower Upper
 276 100
 138 23.6 24.5 36.7#
 227 0.0 0.1 0.1#



#28
 Dibenzo(a,h)anthracene
 Concen: 0.591 ng/ul
 RT: 26.441 min Scan# 5767
 Delta R.T. -0.013 min
 Lab File: BM040436.D
 Acq: 29 Jun 2023 14:12

Tgt Ion:278 Resp: 32161
 Ion Ratio Lower Upper
 278 100
 139 23.9 17.9 26.9
 279 30.8 22.0 33.0





#29
Benzo(g,h,i)perylene
Concen: 1.669 ng/ul
RT: 27.209 min Scan# 5996
Delta R.T. 0.004 min
Lab File: BM040436.D
Acq: 29 Jun 2023 14:12

Instrument :
BNA_M
ClientSampleId :
DCFV1

Tgt Ion:276 Resp: 101633
Ion Ratio Lower Upper
276 100
138 25.5 23.0 34.6
277 24.8 20.3 30.5

