

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062623\
 Data File : BM040400.D
 Acq On : 26 Jun 2023 14:11
 Operator : MA/JU
 Sample : 03084-19
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFN6

Quant Time: Jun 27 04:25:40 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)

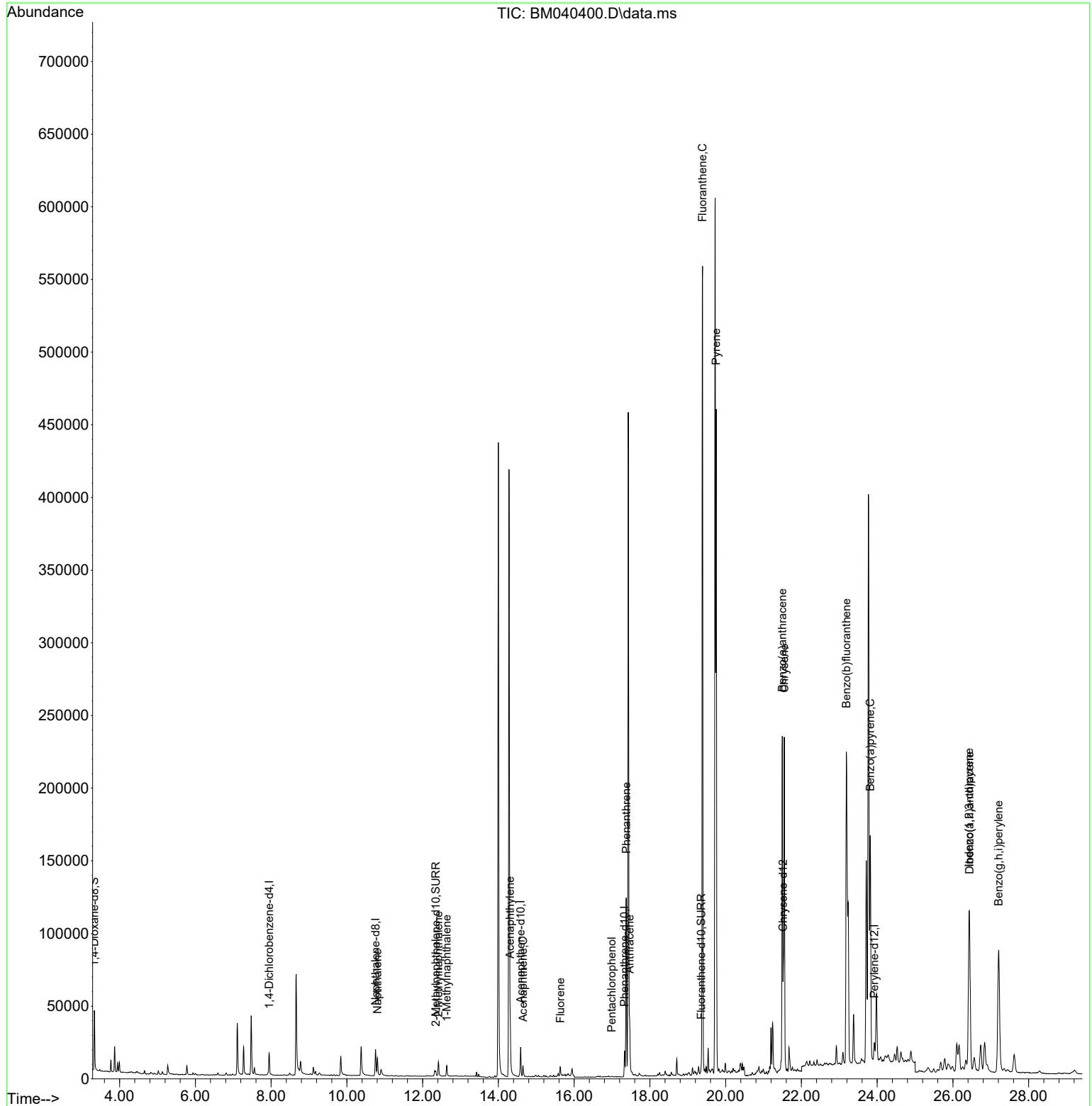
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.949	152	8047	0.400	ng/ul	0.00
4) Naphthalene-d8	10.756	136	26661	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.586	164	11420	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.332	188	20869	0.400	ng/ul	0.00
17) Chrysene-d12	21.512	240	14260	0.400	ng/ul	0.00
23) Perylene-d12	23.926	264	17489	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.333	96	23925	1.893	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.345	152	5040	0.135	ng/ul	0.00
18) Fluoranthene-d10	19.356	212	6599	0.144	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.806	128	17657	0.240	ng/ul	98
7) 2-Methylnaphthalene	12.417	142	7969	0.185	ng/ul	98
8) 1-Methylnaphthalene	12.637	142	5501	0.127	ng/ul	99
10) Acenaphthylene	14.309	152	40023	0.785	ng/ul	100
11) Acenaphthene	14.651	153	4485	0.104	ng/ul	98
12) Fluorene	15.637	166	4426	0.096	ng/ul#	96
14) Pentachlorophenol	16.990	266	218	0.054	ng/ul	95
15) Phenanthrene	17.375	178	132729	2.048	ng/ul	99
16) Anthracene	17.463	178	33423	0.614	ng/ul	99
19) Fluoranthene	19.389	202	481726	7.953	ng/ul	94
20) Pyrene	19.751	202	377336	5.810	ng/ul	96
21) Benzo(a)anthracene	21.494	228	191976	3.980	ng/ul	98
22) Chrysene	21.547	228	239563	4.354	ng/ul	98
24) Benzo(b)fluoranthene	23.190	252	378627	5.594	ng/ul	89
26) Benzo(a)pyrene	23.818	252	224195	3.677	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	26.427	276	196489	2.314	ng/ul#	87
28) Dibenzo(a,h)anthracene	26.437	278	49007	0.737	ng/ul	98
29) Benzo(g,h,i)perylene	27.209	276	194556	2.614	ng/ul	95

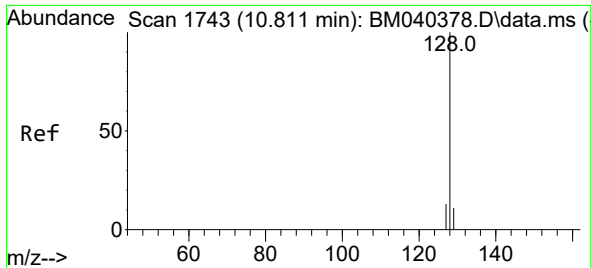
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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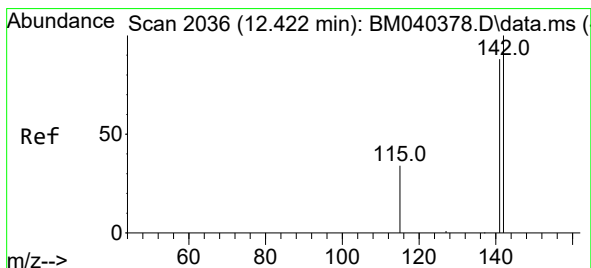
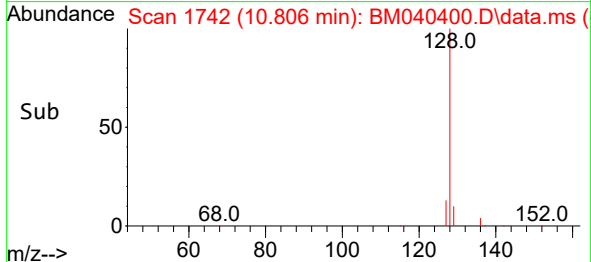
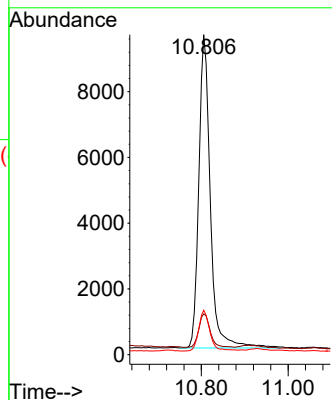
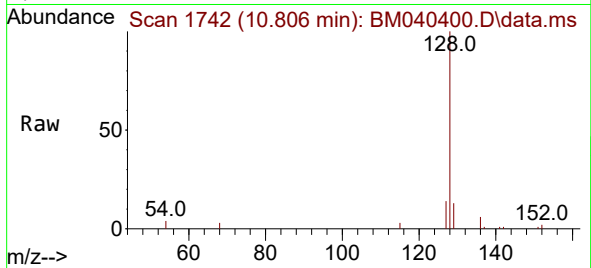




#5
Naphthalene
Concen: 0.240 ng/ul
RT: 10.806 min Scan# 1742
Delta R.T. -0.005 min
Lab File: BM040400.D
Acq: 26 Jun 2023 14:11

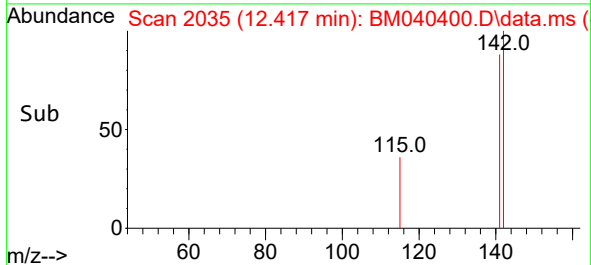
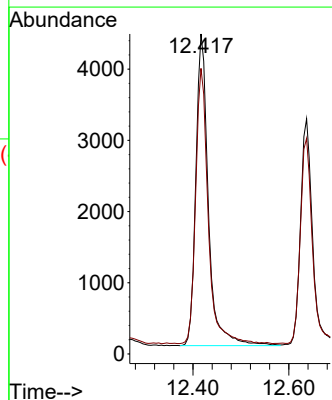
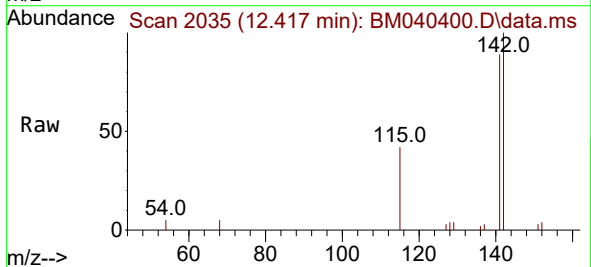
Instrument :
BNA_M
ClientSampleId :
DCFN6

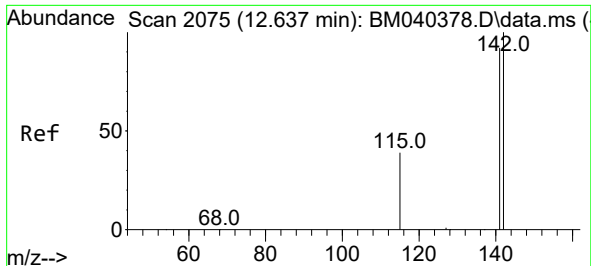
Tgt Ion:128 Resp: 17657
Ion Ratio Lower Upper
128 100
129 12.8 9.2 13.8
127 13.9 10.6 15.8



#7
2-Methylnaphthalene
Concen: 0.185 ng/ul
RT: 12.417 min Scan# 2035
Delta R.T. -0.005 min
Lab File: BM040400.D
Acq: 26 Jun 2023 14:11

Tgt Ion:142 Resp: 7969
Ion Ratio Lower Upper
142 100
141 88.0 71.9 107.9

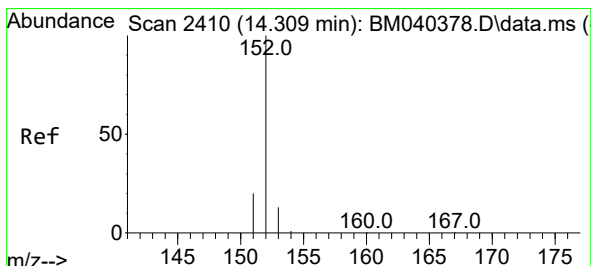
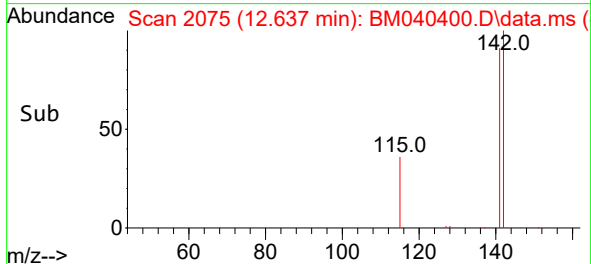
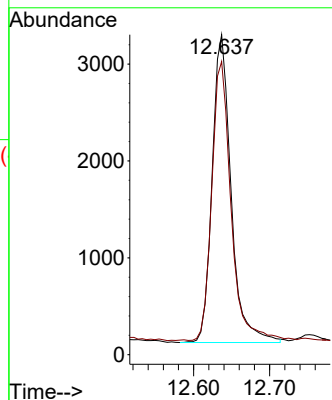
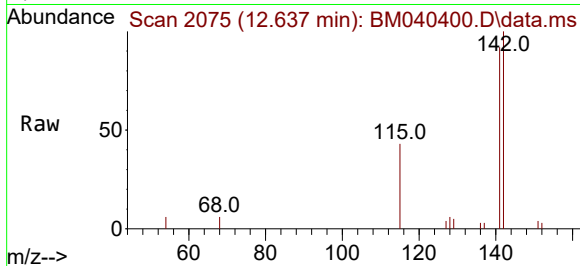




#8
1-Methylnaphthalene
Concen: 0.127 ng/ul
RT: 12.637 min Scan# 2075
Delta R.T. -0.005 min
Lab File: BM040400.D
Acq: 26 Jun 2023 14:11

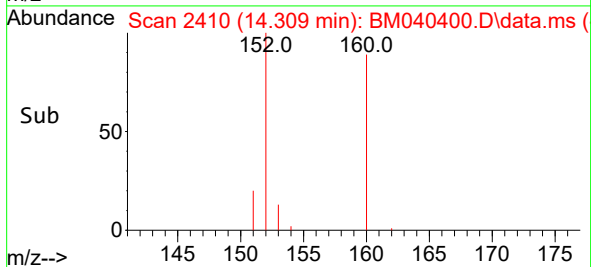
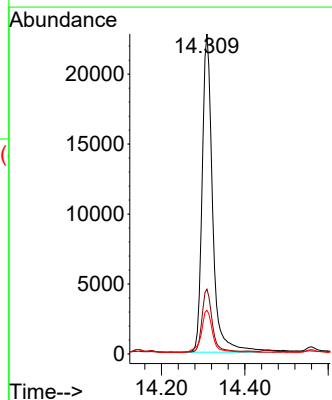
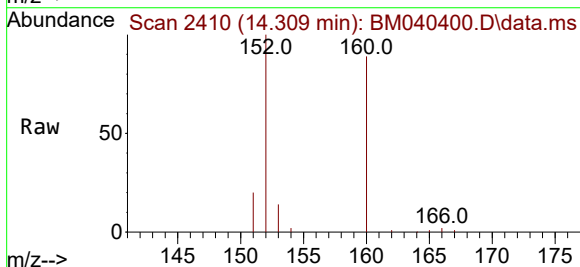
Instrument :
BNA_M
ClientSampleId :
DCFN6

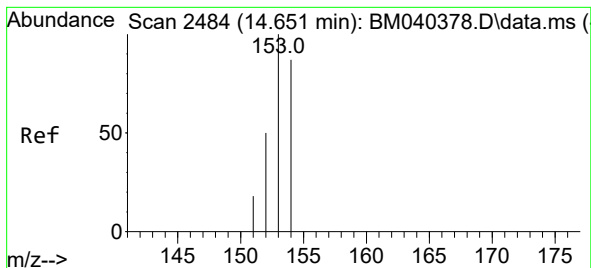
Tgt Ion:142 Resp: 5501
Ion Ratio Lower Upper
142 100
141 91.3 73.7 110.5



#10
Acenaphthylene
Concen: 0.785 ng/ul
RT: 14.309 min Scan# 2410
Delta R.T. -0.005 min
Lab File: BM040400.D
Acq: 26 Jun 2023 14:11

Tgt Ion:152 Resp: 40023
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 13.7 10.9 16.3





#11

Acenaphthene

Concen: 0.104 ng/ul

RT: 14.651 min Scan# 2484

Delta R.T. -0.005 min

Lab File: BM040400.D

Acq: 26 Jun 2023 14:11

Instrument :

BNA_M

ClientSampleId :

DCFN6

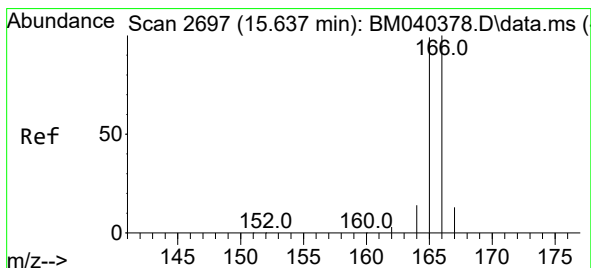
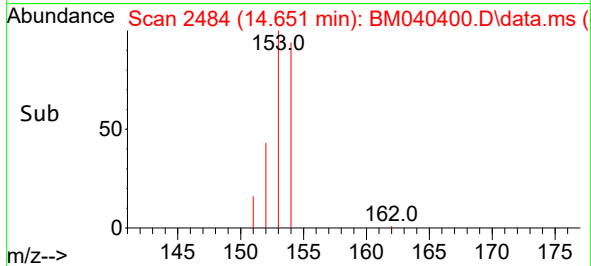
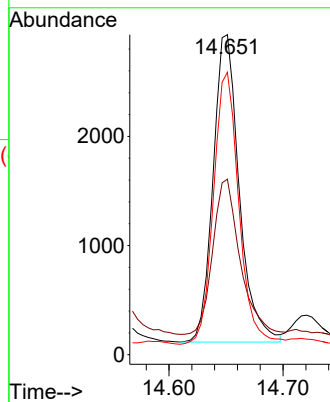
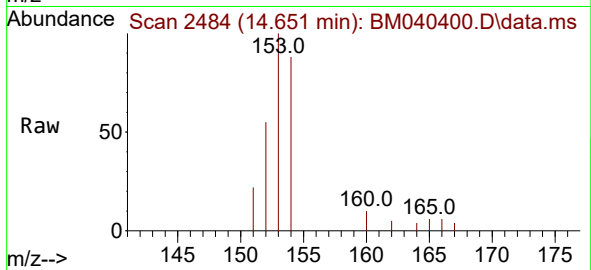
Tgt Ion:153 Resp: 4485

Ion Ratio Lower Upper

153 100

152 54.8 41.0 61.4

154 88.2 70.8 106.2



#12

Fluorene

Concen: 0.096 ng/ul

RT: 15.637 min Scan# 2697

Delta R.T. -0.005 min

Lab File: BM040400.D

Acq: 26 Jun 2023 14:11

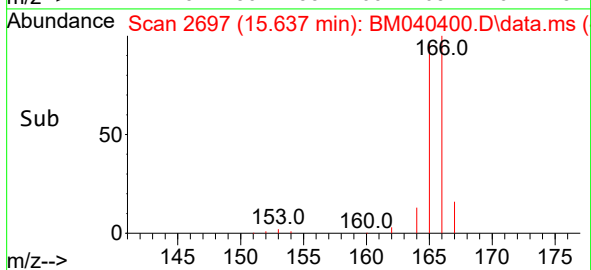
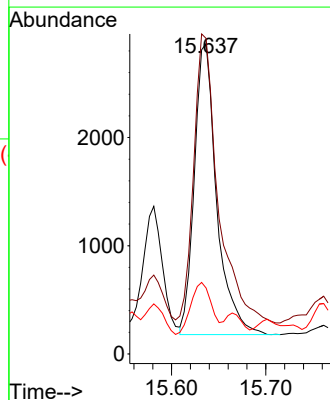
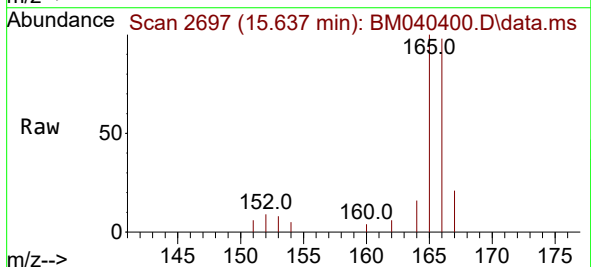
Tgt Ion:166 Resp: 4426

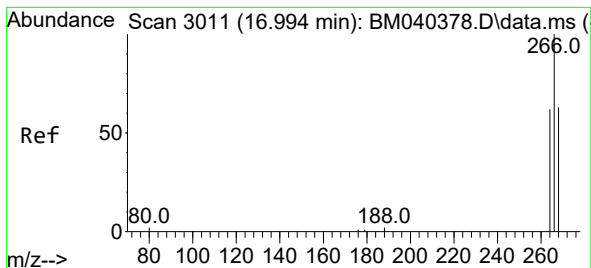
Ion Ratio Lower Upper

166 100

165 101.6 79.6 119.4

167 21.2 11.4 17.0#





#14

Pentachlorophenol

Concen: 0.054 ng/ul

RT: 16.990 min Scan# 3010

Delta R.T. -0.021 min

Lab File: BM040400.D

Acq: 26 Jun 2023 14:11

Instrument :

BNA_M

ClientSampleId :

DCFN6

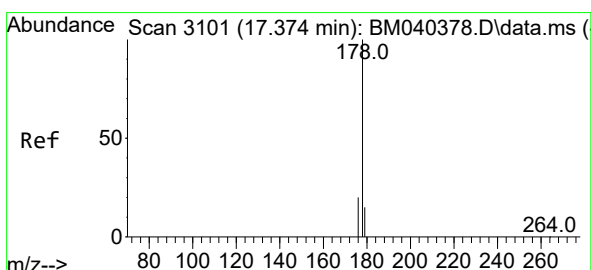
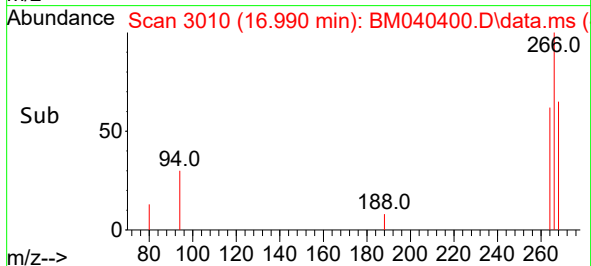
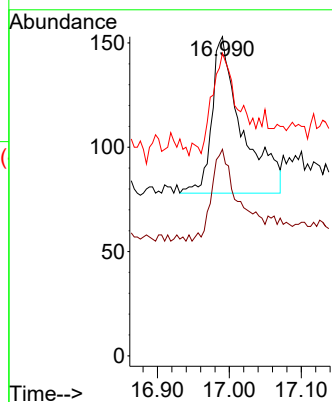
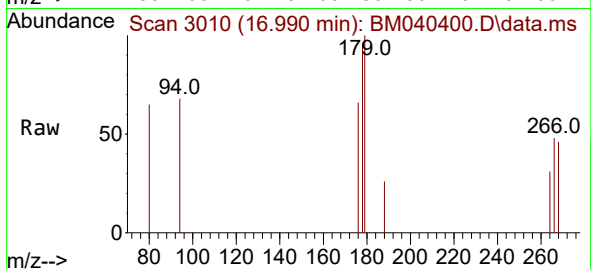
Tgt Ion:266 Resp: 218

Ion Ratio Lower Upper

266 100

264 53.7 45.4 68.0

268 54.6 47.2 70.8



#15

Phenanthrene

Concen: 2.048 ng/ul

RT: 17.375 min Scan# 3101

Delta R.T. -0.004 min

Lab File: BM040400.D

Acq: 26 Jun 2023 14:11

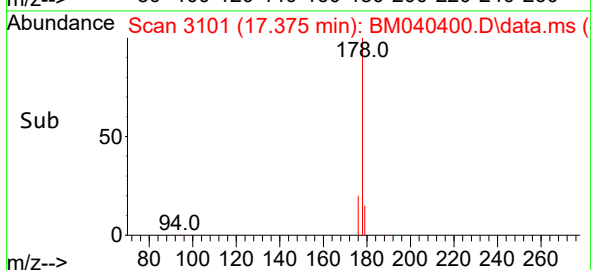
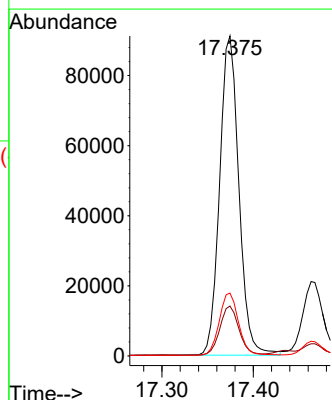
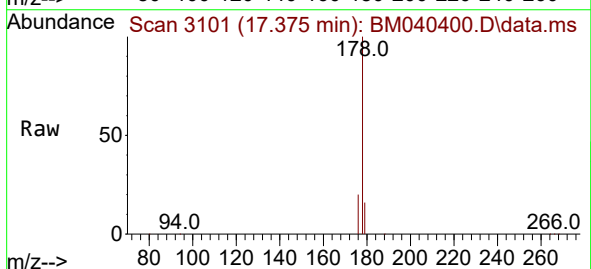
Tgt Ion:178 Resp: 132729

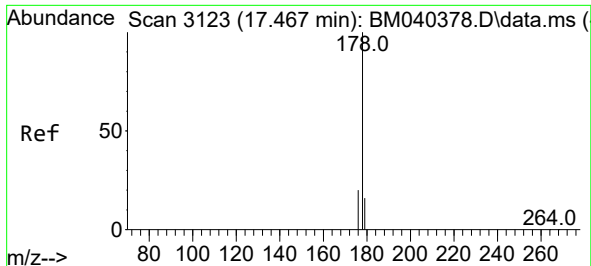
Ion Ratio Lower Upper

178 100

179 15.6 12.8 19.2

176 19.6 16.4 24.6

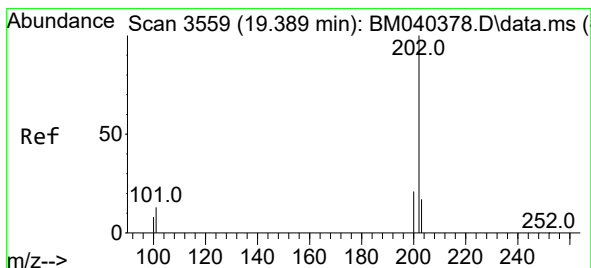
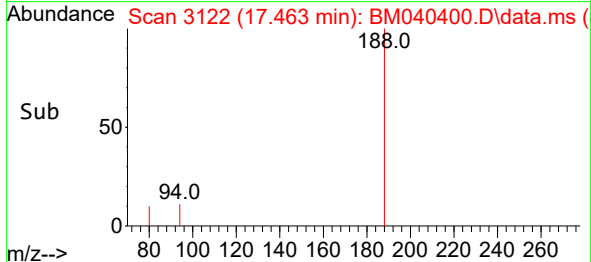
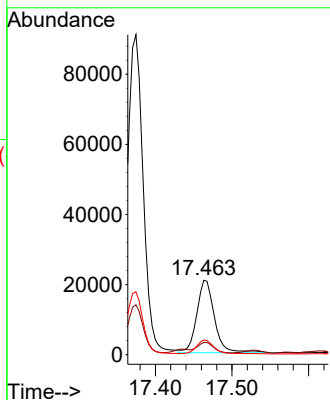
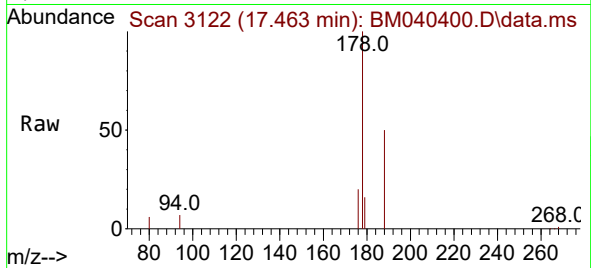




#16
 Anthracene
 Concen: 0.614 ng/ul
 RT: 17.463 min Scan# 3123
 Delta R.T. -0.008 min
 Lab File: BM040400.D
 Acq: 26 Jun 2023 14:11

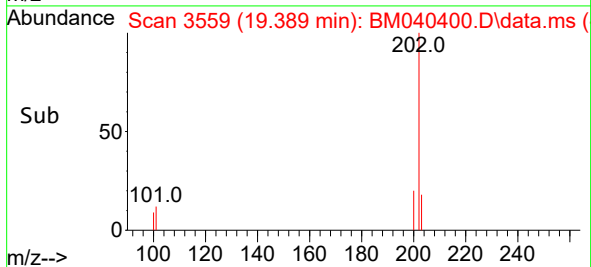
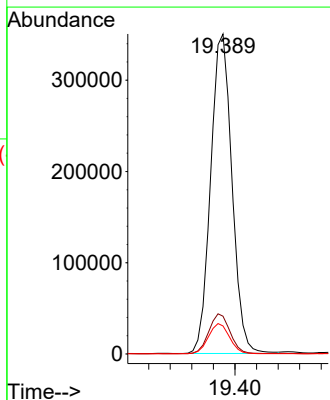
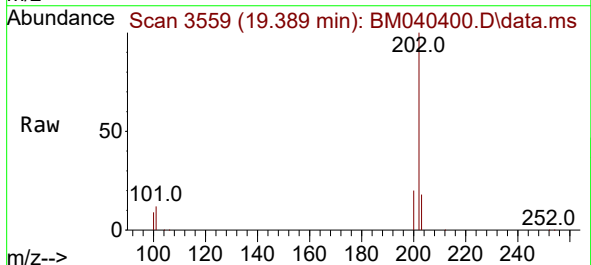
Instrument :
 BNA_M
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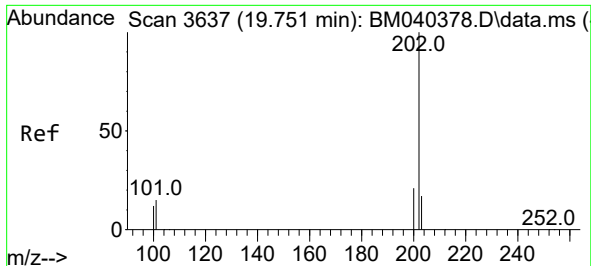
Tgt Ion:178 Resp: 33423
 Ion Ratio Lower Upper
 178 100
 179 16.4 12.9 19.3
 176 19.8 15.8 23.6



#19
 Fluoranthene
 Concen: 7.953 ng/ul
 RT: 19.389 min Scan# 3559
 Delta R.T. 0.000 min
 Lab File: BM040400.D
 Acq: 26 Jun 2023 14:11

Tgt Ion:202 Resp: 481726
 Ion Ratio Lower Upper
 202 100
 101 11.8 11.4 17.0
 100 8.7 8.7 13.1

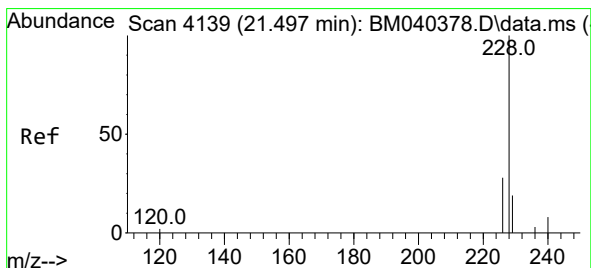
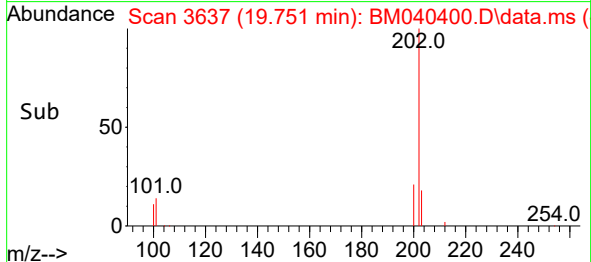
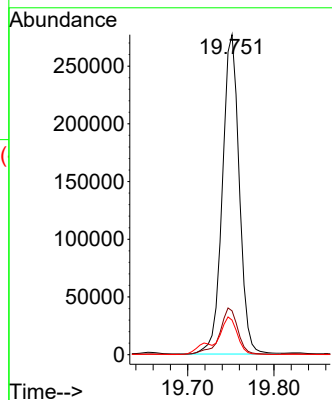
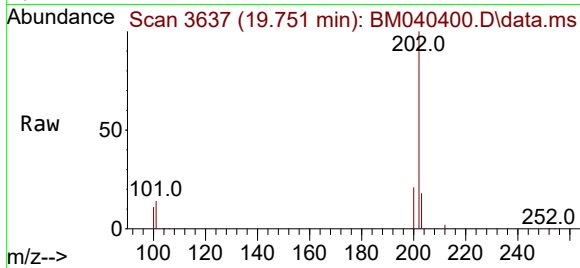




#20
Pyrene
Concen: 5.810 ng/ul
RT: 19.751 min Scan# 30
Delta R.T. -0.005 min
Lab File: BM040400.D
Acq: 26 Jun 2023 14:11

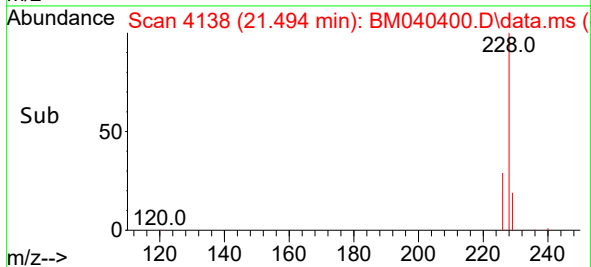
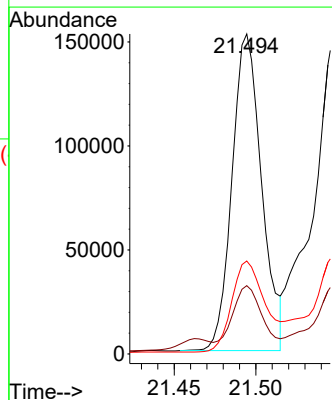
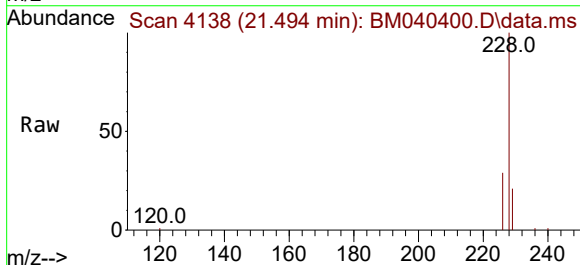
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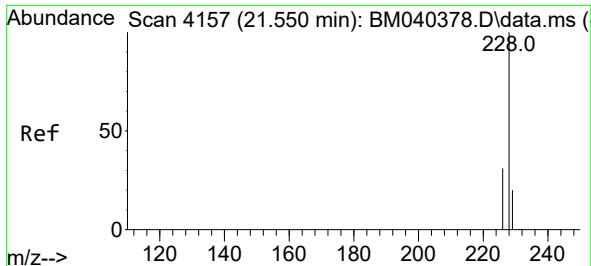
Tgt Ion:202 Resp: 377336
Ion Ratio Lower Upper
202 100
101 13.7 12.6 18.8
100 10.8 9.8 14.6



#21
Benzo(a)anthracene
Concen: 3.980 ng/ul
RT: 21.494 min Scan# 4138
Delta R.T. -0.006 min
Lab File: BM040400.D
Acq: 26 Jun 2023 14:11

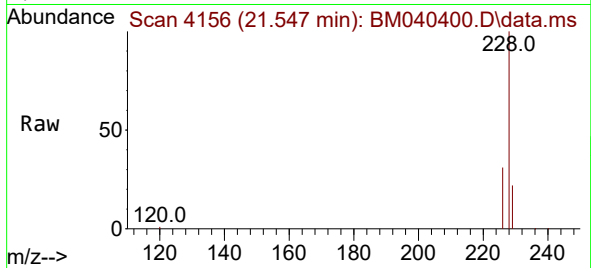
Tgt Ion:228 Resp: 191976
Ion Ratio Lower Upper
228 100
229 21.3 16.0 24.0
226 29.1 22.3 33.5



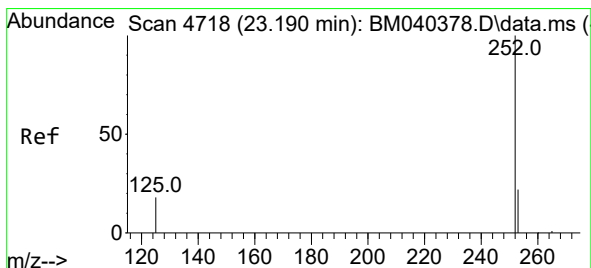
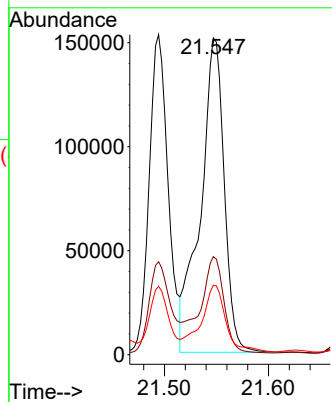
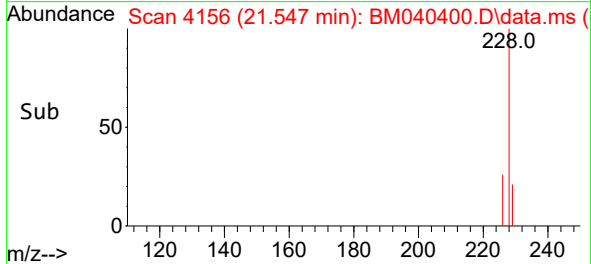


#22
Chrysene
Concen: 4.354 ng/ul
RT: 21.547 min Scan# 4156
Delta R.T. -0.006 min
Lab File: BM040400.D
Acq: 26 Jun 2023 14:11

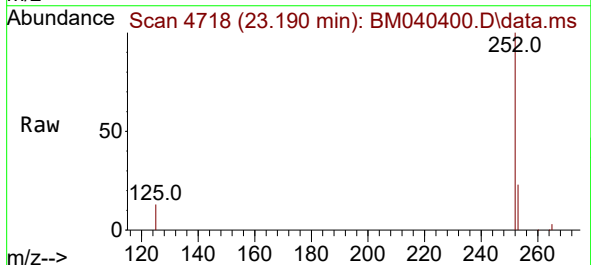
Instrument :
BNA_M
ClientSampleId :
DCFN6



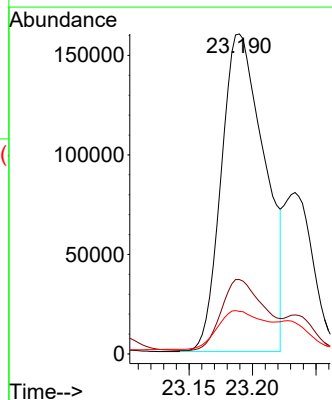
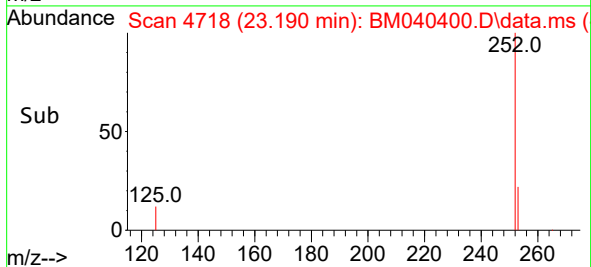
Tgt Ion:228 Resp: 239563
Ion Ratio Lower Upper
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226 31.0 24.9 37.3
229 21.9 15.8 23.6

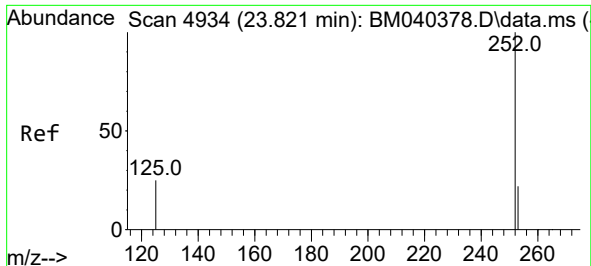


#24
Benzo(b)fluoranthene
Concen: 5.594 ng/ul
RT: 23.190 min Scan# 4718
Delta R.T. -0.003 min
Lab File: BM040400.D
Acq: 26 Jun 2023 14:11



Tgt Ion:252 Resp: 378627
Ion Ratio Lower Upper
252 100
253 23.3 0.0 52.8
125 13.3 0.0 43.0

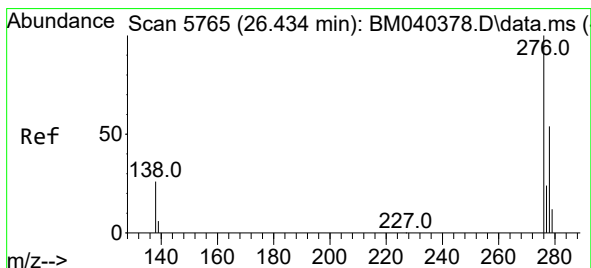
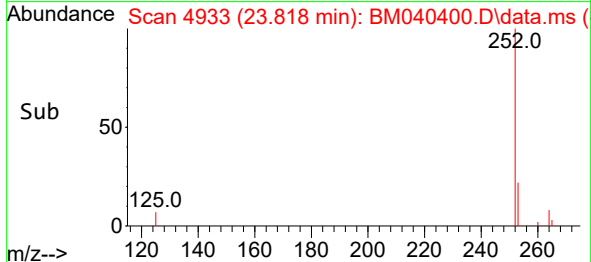
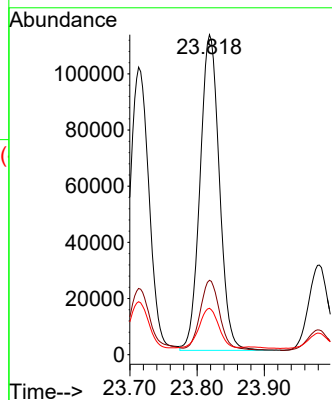
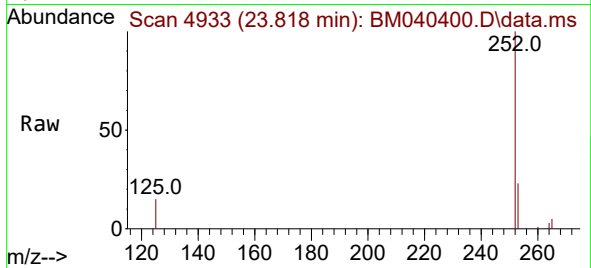




#26
Benzo(a)pyrene
Concen: 3.677 ng/ul
RT: 23.818 min Scan# 4934
Delta R.T. -0.006 min
Lab File: BM040400.D
Acq: 26 Jun 2023 14:11

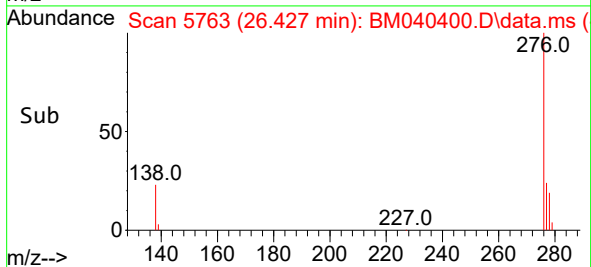
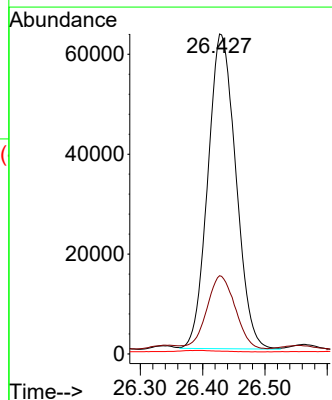
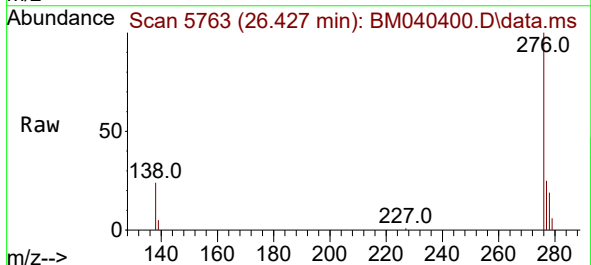
Instrument :
BNA_M
ClientSampleId :
DCFN6

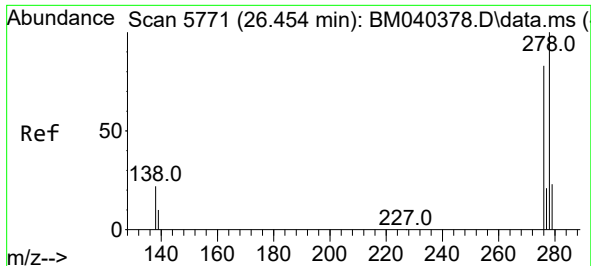
Tgt Ion:252 Resp: 224195
Ion Ratio Lower Upper
252 100
253 23.2 22.9 34.3
125 14.5 21.0 31.4#



#27
Indeno(1,2,3-cd)pyrene
Concen: 2.314 ng/ul
RT: 26.427 min Scan# 5763
Delta R.T. -0.007 min
Lab File: BM040400.D
Acq: 26 Jun 2023 14:11

Tgt Ion:276 Resp: 196489
Ion Ratio Lower Upper
276 100
138 23.6 24.5 36.7#
227 0.0 0.1 0.1#

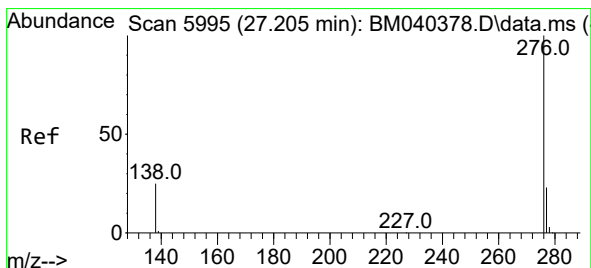
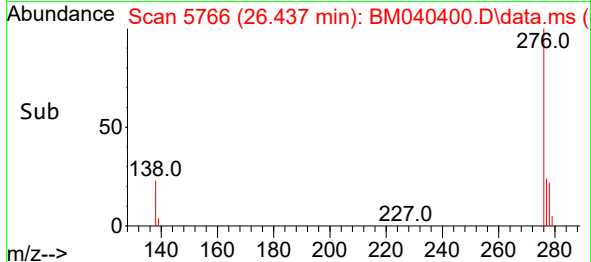
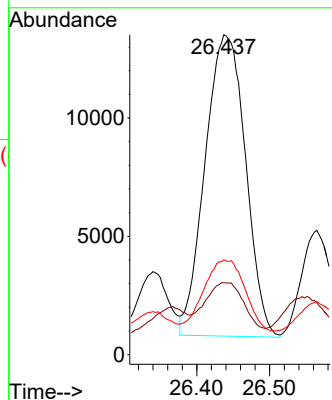
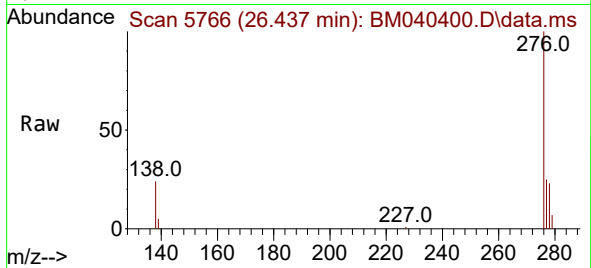




#28
 Dibenzo(a,h)anthracene
 Concen: 0.737 ng/ul
 RT: 26.437 min Scan# 51
 Delta R.T. -0.017 min
 Lab File: BM040400.D
 Acq: 26 Jun 2023 14:11

Instrument :
 BNA_M
 ClientSampleId :
 DCFN6

Tgt Ion:278 Resp: 49007
 Ion Ratio Lower Upper
 278 100
 139 22.4 17.9 26.9
 279 29.6 22.0 33.0



#29
 Benzo(g,h,i)perylene
 Concen: 2.614 ng/ul
 RT: 27.209 min Scan# 5996
 Delta R.T. 0.003 min
 Lab File: BM040400.D
 Acq: 26 Jun 2023 14:11

Tgt Ion:276 Resp: 194556
 Ion Ratio Lower Upper
 276 100
 138 24.9 23.0 34.6
 277 24.5 20.3 30.5

