

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062223\
 Data File : BM040360.D
 Acq On : 22 Jun 2023 22:10
 Operator : MA/JU
 Sample : 03084-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFN4

Quant Time: Jun 23 02:28:02 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)

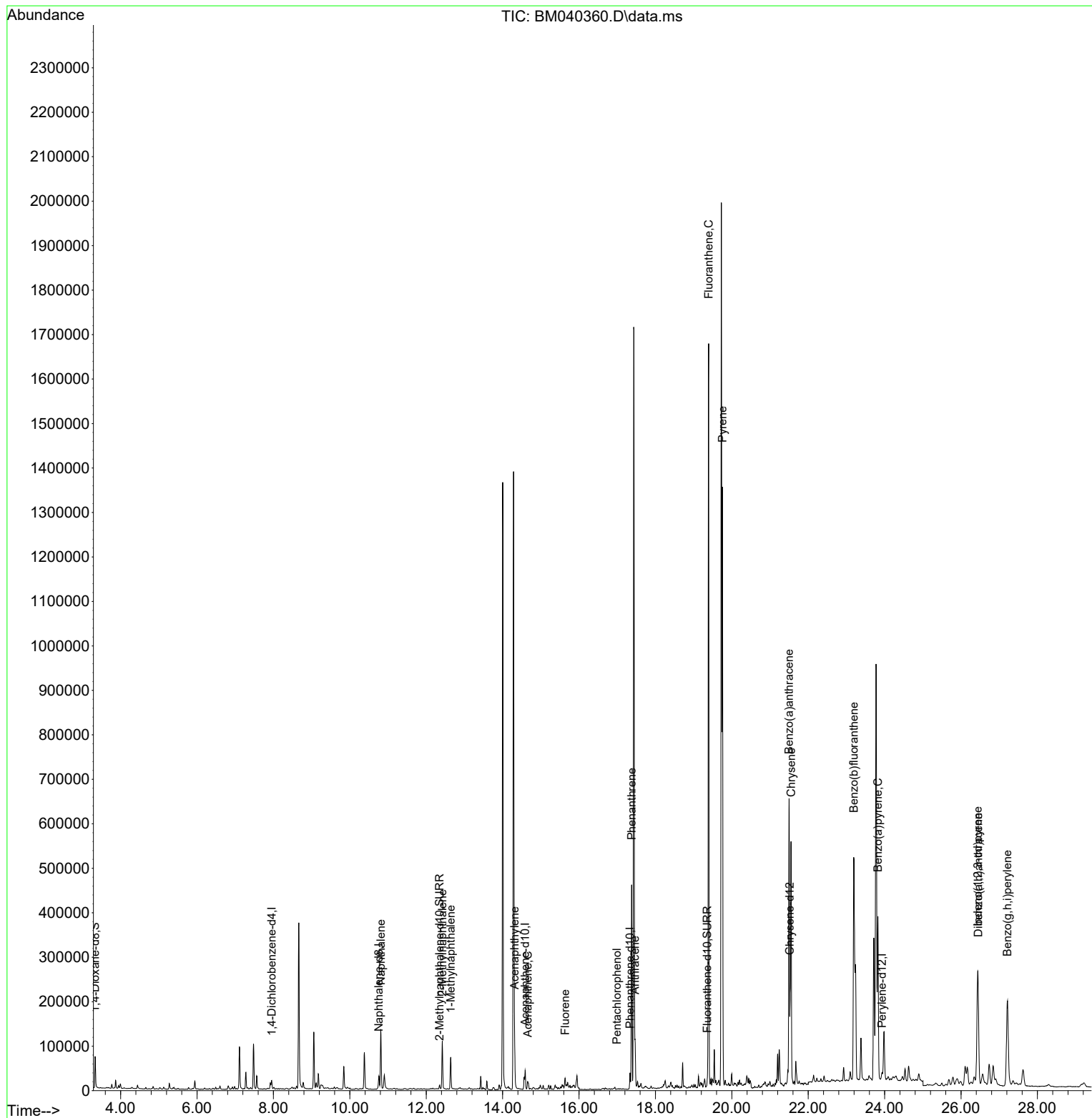
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	9639	0.400	ng/ul	0.00
4) Naphthalene-d8	10.760	136	38774	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.590	164	22371	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.335	188	40648	0.400	ng/ul	0.00
17) Chrysene-d12	21.512	240	22719	0.400	ng/ul	0.00
23) Perylene-d12	23.929	264	23254	0.400	ng/ul #	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.333	96	42609	2.814	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.349	152	12284	0.226	ng/ul	0.00
18) Fluoranthene-d10	19.360	212	21041	0.289	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.810	128	177356	1.658	ng/ul	99
7) 2-Methylnaphthalene	12.421	142	78211	1.245	ng/ul	98
8) 1-Methylnaphthalene	12.641	142	50127	0.799	ng/ul	100
10) Acenaphthylene	14.312	152	100179	1.002	ng/ul	99
11) Acenaphthene	14.654	153	11542	0.137	ng/ul	96
12) Fluorene	15.640	166	14005	0.155	ng/ul#	93
14) Pentachlorophenol	16.989	266	183	0.023	ng/ul	91
15) Phenanthrene	17.377	178	471377	3.733	ng/ul	99
16) Anthracene	17.466	178	95113	0.896	ng/ul	100
19) Fluoranthene	19.392	202	1321782	13.696	ng/ul#	94
20) Pyrene	19.755	202	1032131	9.976	ng/ul	96
21) Benzo(a)anthracene	21.498	228	547897	7.130	ng/ul	97
22) Chrysene	21.550	228	585882	6.684	ng/ul	97
24) Benzo(b)fluoranthene	23.193	252	858747	9.542	ng/ul	89
26) Benzo(a)pyrene	23.824	252	511694	6.312	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	26.437	276	438977	3.888	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.448	278	111594	1.262	ng/ul	96
29) Benzo(g,h,i)perylene	27.216	276	431275	4.358	ng/ul	95

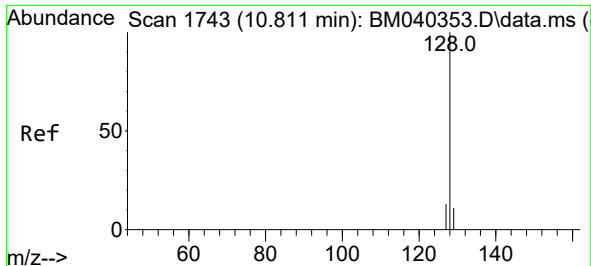
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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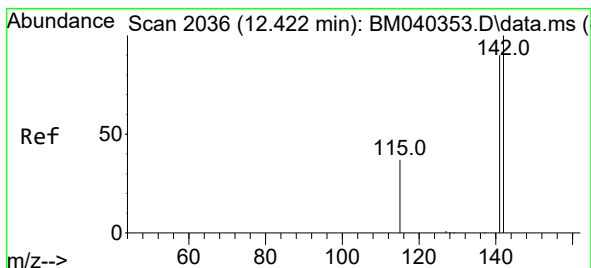
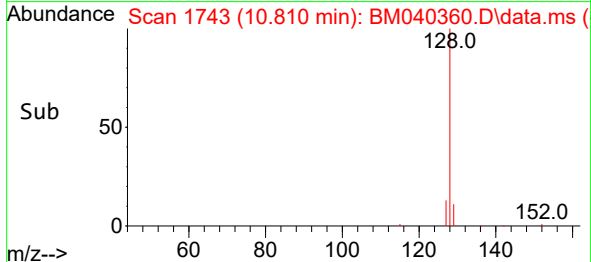
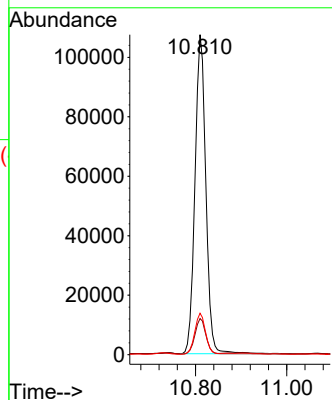
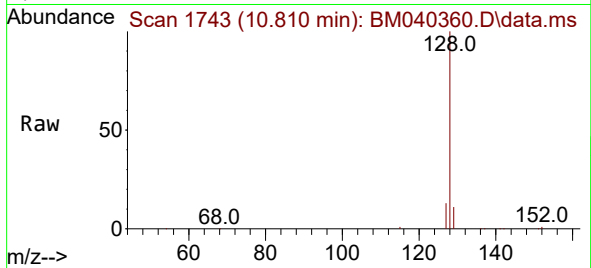




#5
Naphthalene
Concen: 1.658 ng/ul
RT: 10.810 min Scan# 1743
Delta R.T. -0.001 min
Lab File: BM040360.D
Acq: 22 Jun 2023 22:10

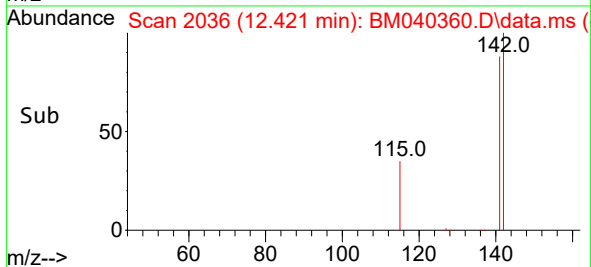
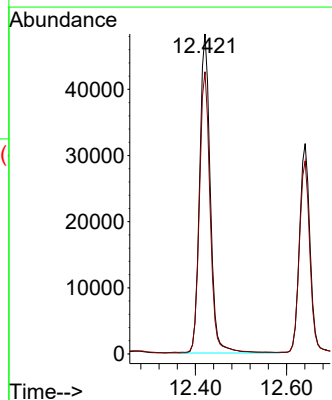
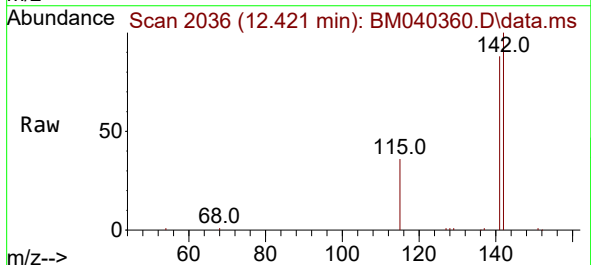
Instrument :
BNA_M
ClientSampleId :
DCFN4

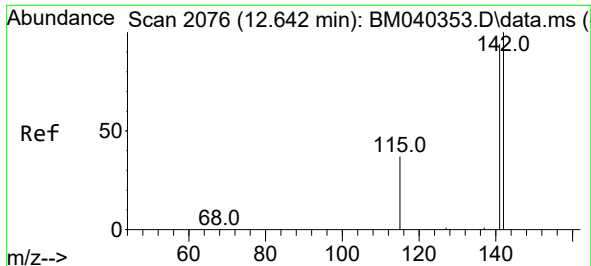
Tgt Ion:128 Resp: 177356
Ion Ratio Lower Upper
128 100
129 11.3 9.2 13.8
127 13.0 10.6 15.8



#7
2-Methylnaphthalene
Concen: 1.245 ng/ul
RT: 12.421 min Scan# 2036
Delta R.T. -0.001 min
Lab File: BM040360.D
Acq: 22 Jun 2023 22:10

Tgt Ion:142 Resp: 78211
Ion Ratio Lower Upper
142 100
141 87.7 71.9 107.9

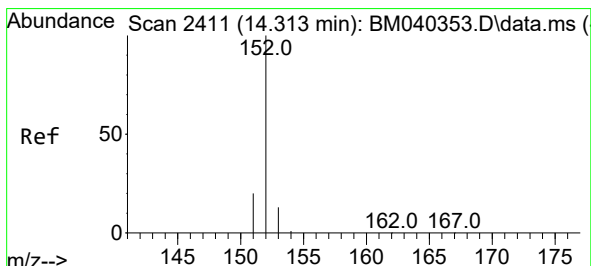
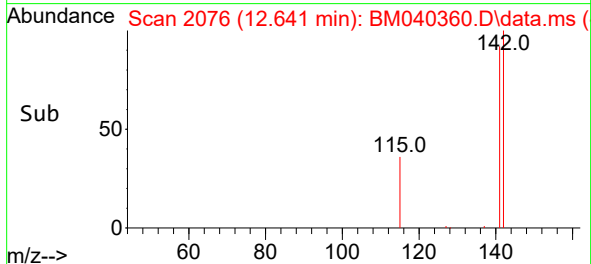
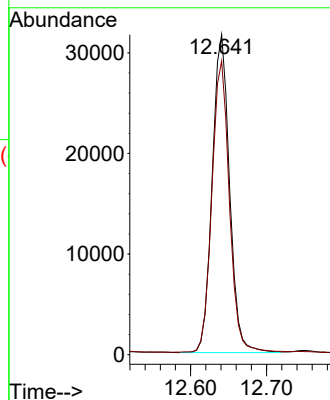
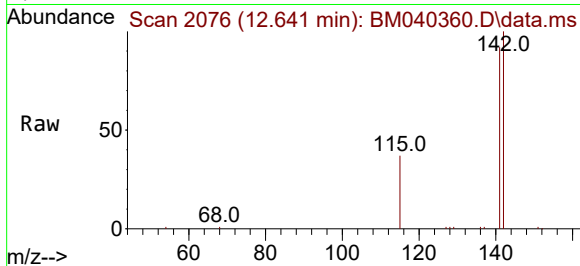




#8
1-Methylnaphthalene
Concen: 0.799 ng/ul
RT: 12.641 min Scan# 2076
Delta R.T. -0.001 min
Lab File: BM040360.D
Acq: 22 Jun 2023 22:10

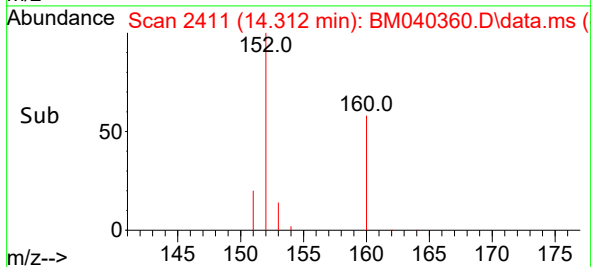
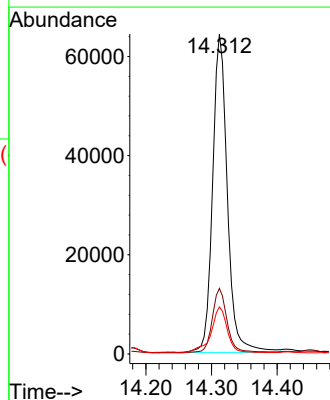
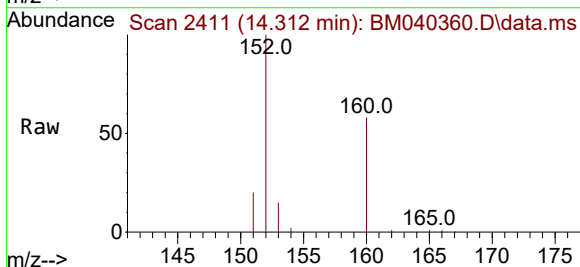
Instrument :
BNA_M
ClientSampleId :
DCFN4

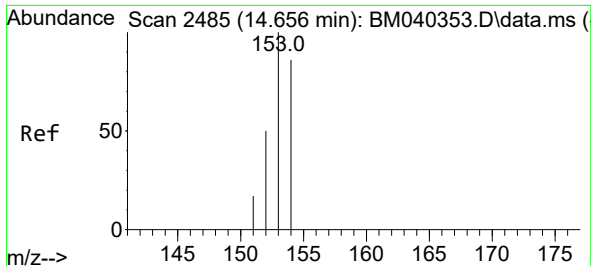
Tgt Ion:142 Resp: 50127
Ion Ratio Lower Upper
142 100
141 92.1 73.7 110.5



#10
Acenaphthylene
Concen: 1.002 ng/ul
RT: 14.312 min Scan# 2411
Delta R.T. -0.001 min
Lab File: BM040360.D
Acq: 22 Jun 2023 22:10

Tgt Ion:152 Resp: 100179
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.2
153 14.7 10.9 16.3

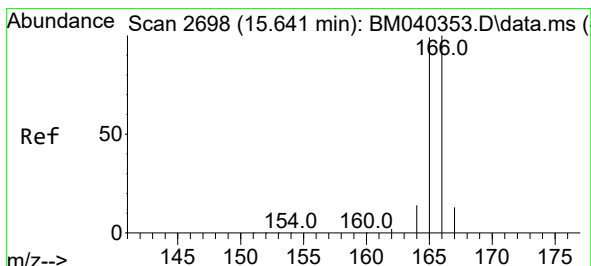
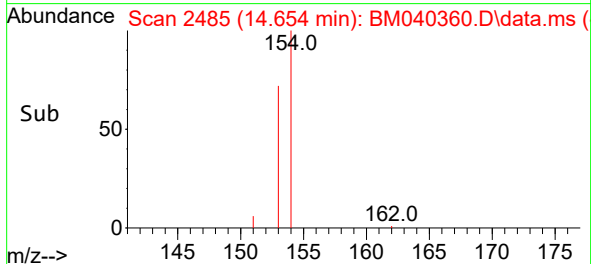
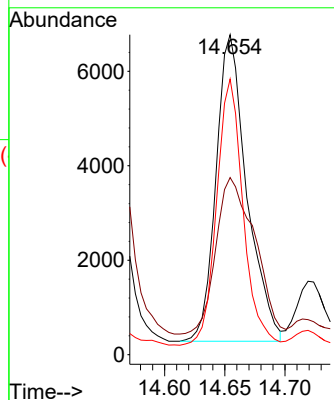
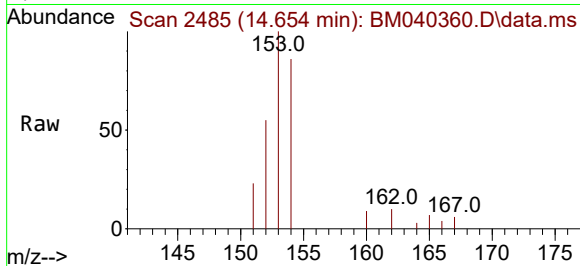




#11
Acenaphthene
Concen: 0.137 ng/ul
RT: 14.654 min Scan# 2485
Delta R.T. -0.001 min
Lab File: BM040360.D
Acq: 22 Jun 2023 22:10

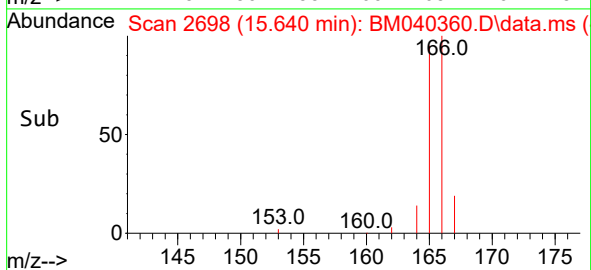
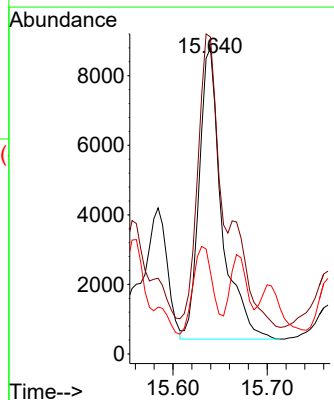
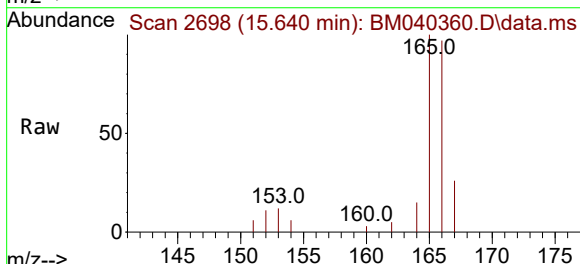
Instrument :
BNA_M
ClientSampleId :
DCFN4

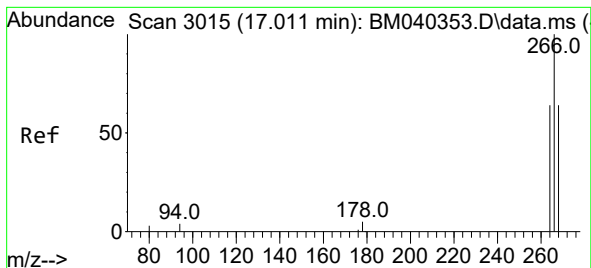
Tgt Ion:153 Resp: 11542
Ion Ratio Lower Upper
153 100
152 55.4 41.0 61.4
154 86.1 70.8 106.2



#12
Fluorene
Concen: 0.155 ng/ul
RT: 15.640 min Scan# 2698
Delta R.T. -0.001 min
Lab File: BM040360.D
Acq: 22 Jun 2023 22:10

Tgt Ion:166 Resp: 14005
Ion Ratio Lower Upper
166 100
165 103.6 79.6 119.4
167 26.8 11.4 17.0#





#14

Pentachlorophenol

Concen: 0.023 ng/ul

RT: 16.989 min Scan# 3010

Delta R.T. -0.023 min

Lab File: BM040360.D

Acq: 22 Jun 2023 22:10

Instrument :

BNA_M

ClientSampleId :

DCFN4

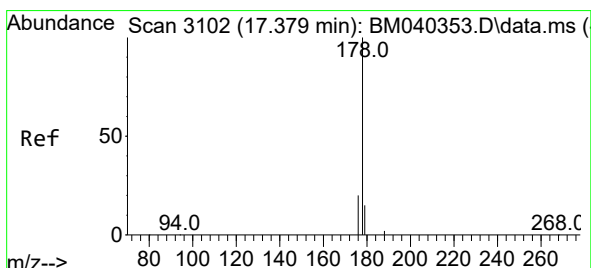
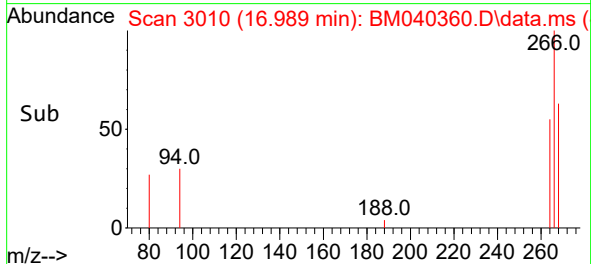
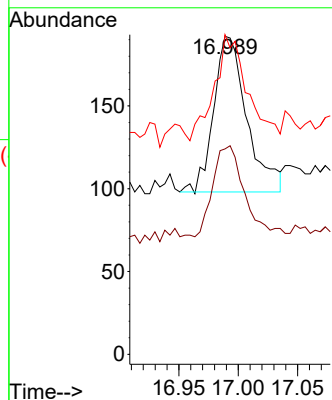
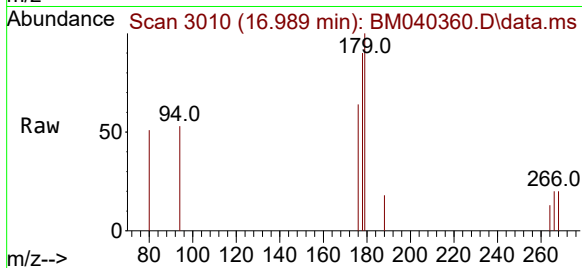
Tgt Ion:266 Resp: 183

Ion Ratio Lower Upper

266 100

264 61.7 45.4 68.0

268 67.8 47.2 70.8



#15

Phenanthrene

Concen: 3.733 ng/ul

RT: 17.377 min Scan# 3102

Delta R.T. -0.001 min

Lab File: BM040360.D

Acq: 22 Jun 2023 22:10

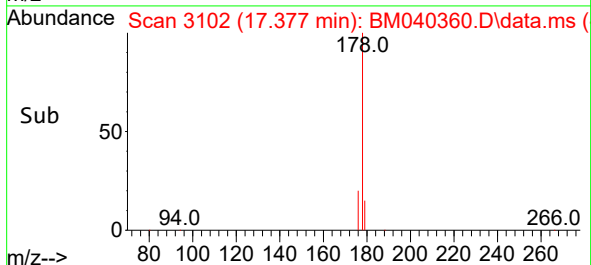
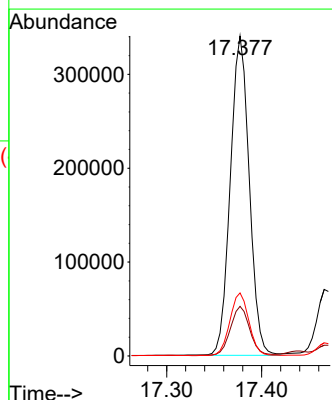
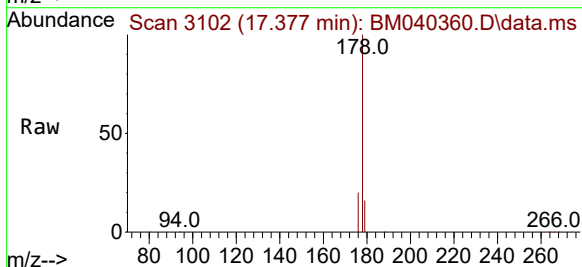
Tgt Ion:178 Resp: 471377

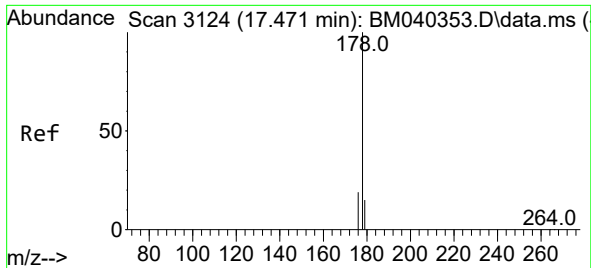
Ion Ratio Lower Upper

178 100

179 15.5 12.8 19.2

176 19.7 16.4 24.6

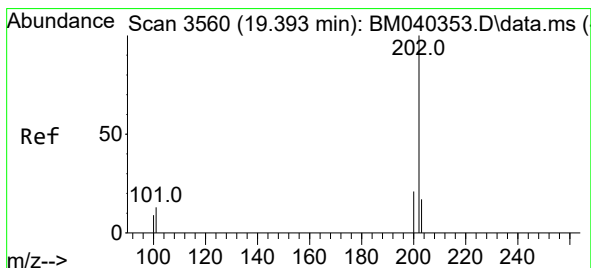
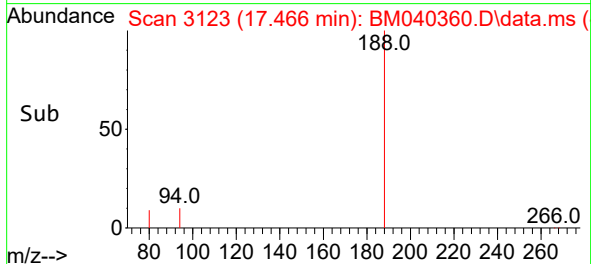
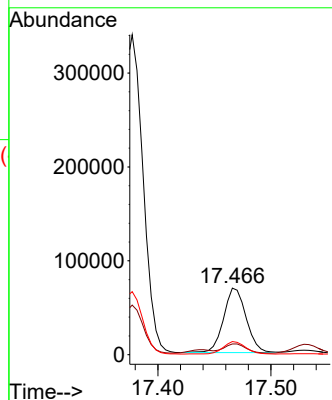
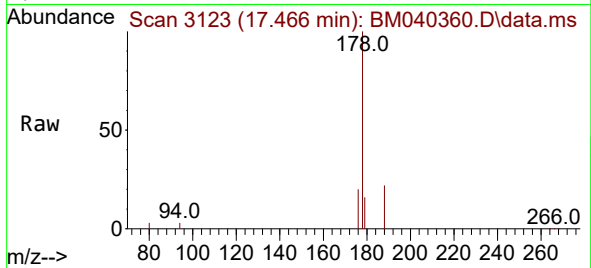




#16
 Anthracene
 Concen: 0.896 ng/ul
 RT: 17.466 min Scan# 3123
 Delta R.T. -0.006 min
 Lab File: BM040360.D
 Acq: 22 Jun 2023 22:10

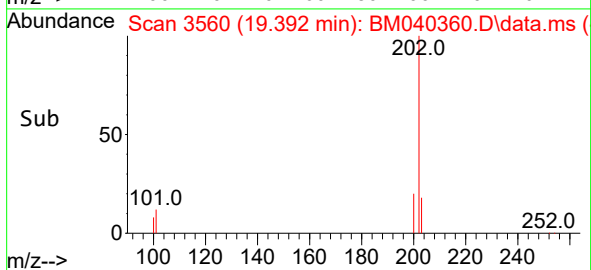
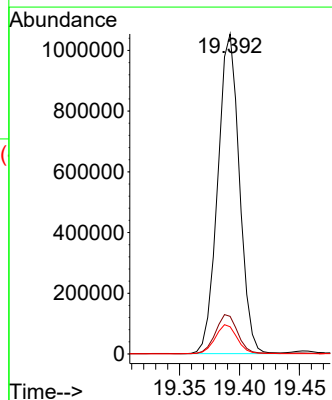
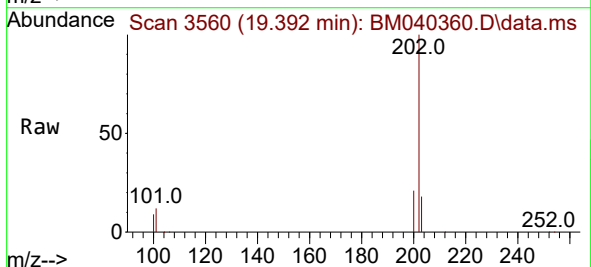
Instrument :
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 DCFN4

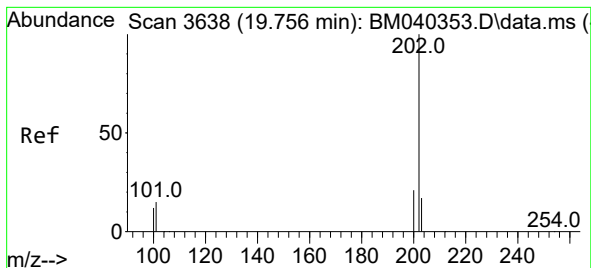
Tgt Ion:	178	Resp:	95113
Ion Ratio	Lower	Upper	
178	100		
179	16.2	12.9	19.3
176	19.6	15.8	23.6



#19
 Fluoranthene
 Concen: 13.696 ng/ul
 RT: 19.392 min Scan# 3560
 Delta R.T. 0.003 min
 Lab File: BM040360.D
 Acq: 22 Jun 2023 22:10

Tgt Ion:	202	Resp:	1321782
Ion Ratio	Lower	Upper	
202	100		
101	11.7	11.4	17.0
100	8.5	8.7	13.1





#20

Pyrene

Concen: 9.976 ng/ul

RT: 19.755 min Scan# 3

Delta R.T. -0.001 min

Lab File: BM040360.D

Acq: 22 Jun 2023 22:10

Instrument :

BNA_M

ClientSampleId :

DCFN4

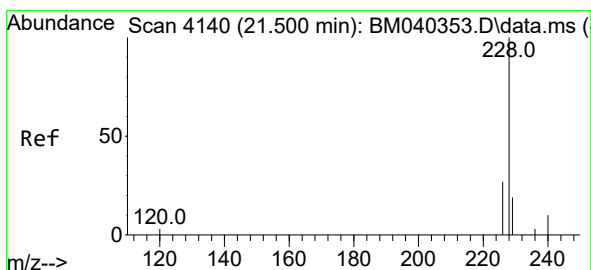
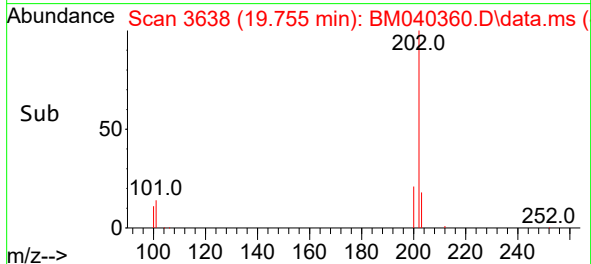
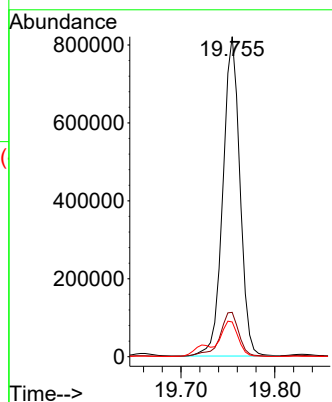
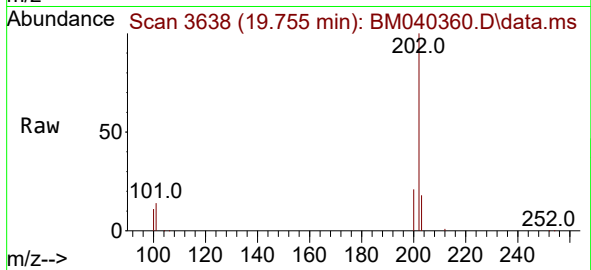
Tgt Ion:202 Resp: 1032131

Ion Ratio Lower Upper

202 100

101 13.9 12.6 18.8

100 10.8 9.8 14.6



#21

Benzo(a)anthracene

Concen: 7.130 ng/ul

RT: 21.498 min Scan# 4139

Delta R.T. -0.003 min

Lab File: BM040360.D

Acq: 22 Jun 2023 22:10

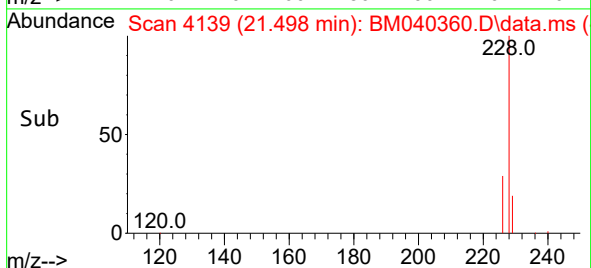
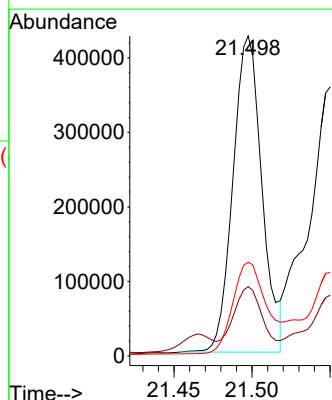
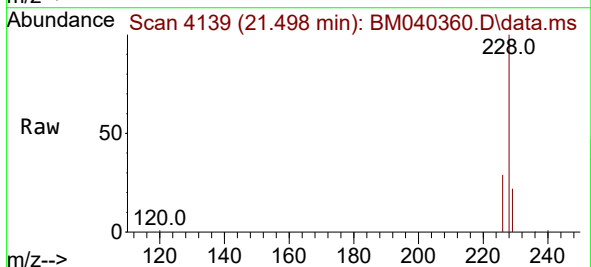
Tgt Ion:228 Resp: 547897

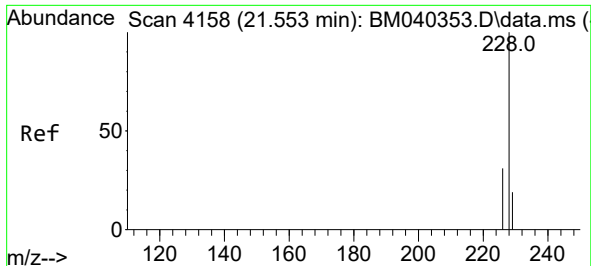
Ion Ratio Lower Upper

228 100

229 21.6 16.0 24.0

226 29.3 22.3 33.5





#22

Chrysene

Concen: 6.684 ng/ul

RT: 21.550 min Scan# 41

Delta R.T. -0.003 min

Lab File: BM040360.D

Acq: 22 Jun 2023 22:10

Instrument :

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DCFN4

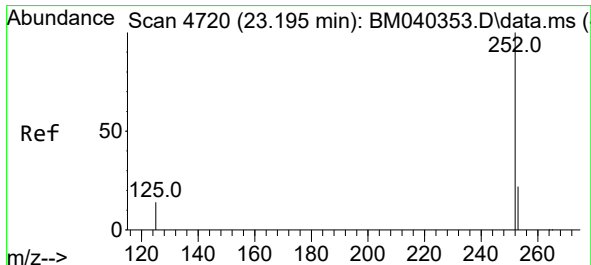
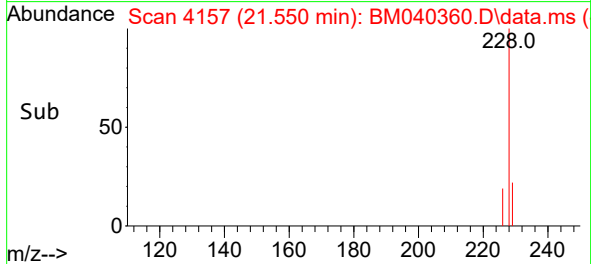
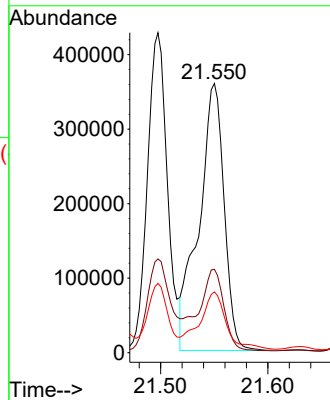
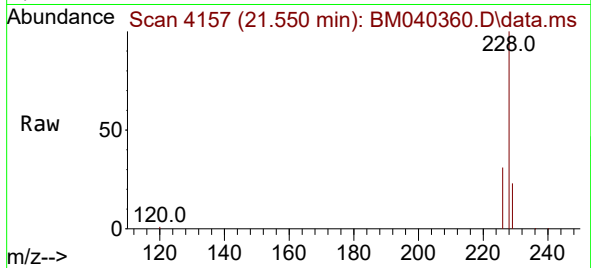
Tgt Ion:228 Resp: 585882

Ion Ratio Lower Upper

228 100

226 31.0 24.9 37.3

229 22.6 15.8 23.6



#24

Benzo(b)fluoranthene

Concen: 9.542 ng/ul

RT: 23.193 min Scan# 4719

Delta R.T. 0.000 min

Lab File: BM040360.D

Acq: 22 Jun 2023 22:10

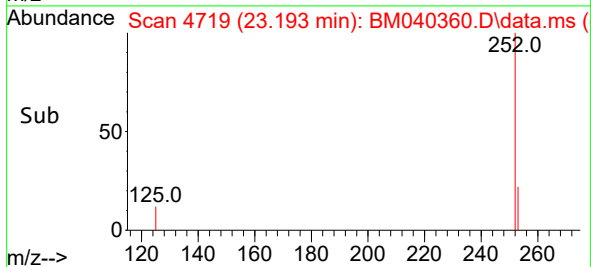
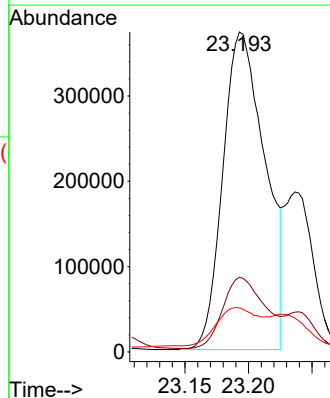
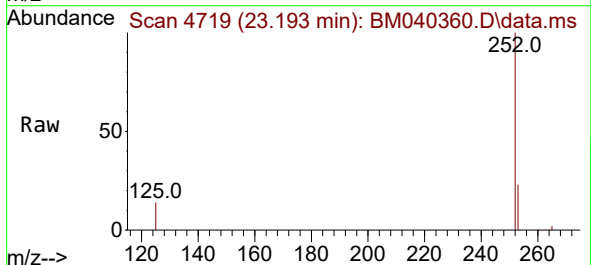
Tgt Ion:252 Resp: 858747

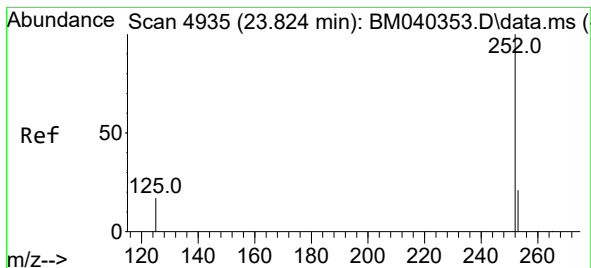
Ion Ratio Lower Upper

252 100

253 23.4 0.0 52.8

125 13.8 0.0 43.0





#26

Benzo(a)pyrene

Concen: 6.312 ng/ul

RT: 23.824 min Scan# 4935

Delta R.T. 0.000 min

Lab File: BM040360.D

Acq: 22 Jun 2023 22:10

Instrument :

BNA_M

ClientSampleId :

DCFN4

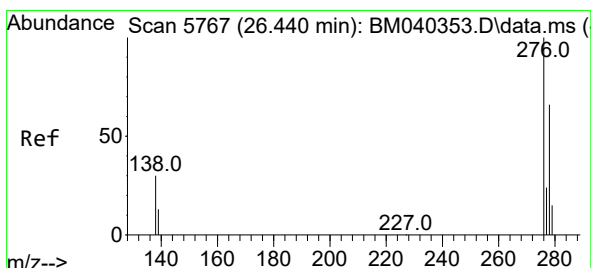
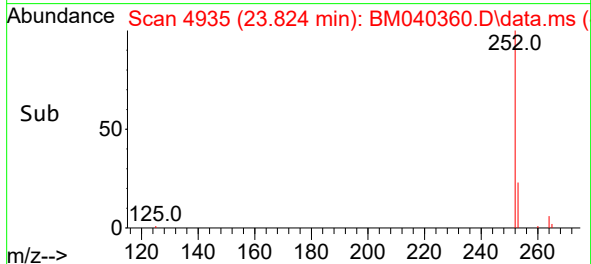
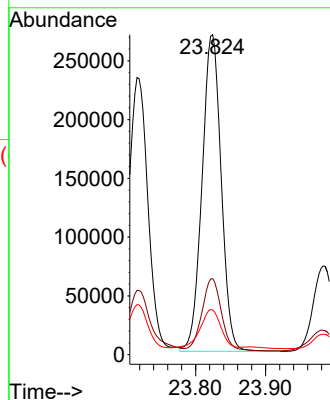
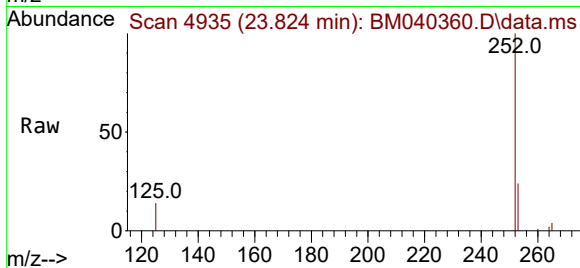
Tgt Ion:252 Resp: 511694

Ion Ratio Lower Upper

252 100

253 23.8 22.9 34.3

125 14.0 21.0 31.4#



#27

Indeno(1,2,3-cd)pyrene

Concen: 3.888 ng/ul

RT: 26.437 min Scan# 5766

Delta R.T. 0.004 min

Lab File: BM040360.D

Acq: 22 Jun 2023 22:10

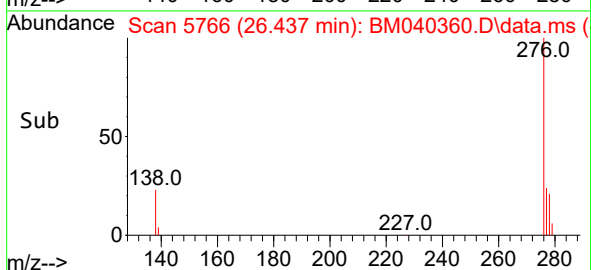
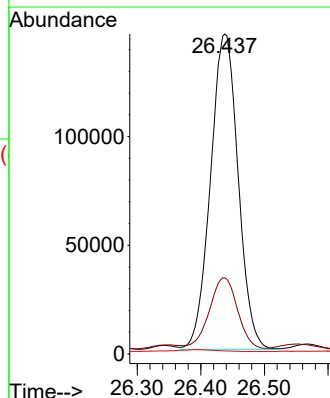
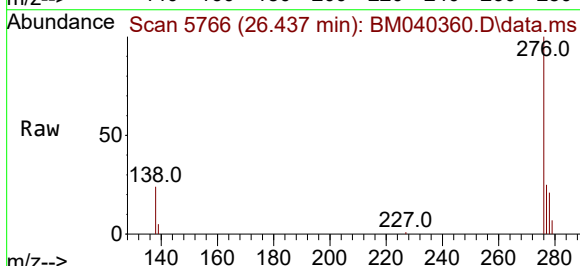
Tgt Ion:276 Resp: 438977

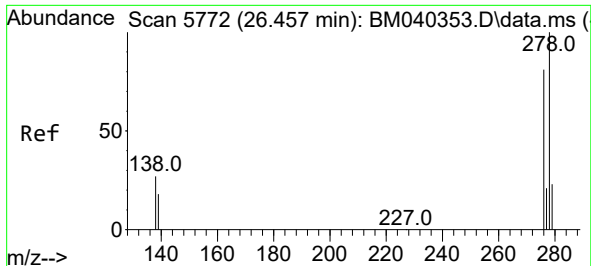
Ion Ratio Lower Upper

276 100

138 22.8 24.5 36.7#

227 0.0 0.1 0.1#

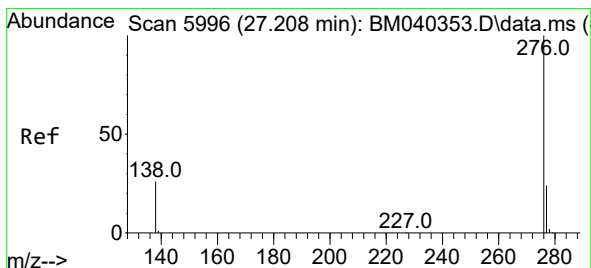
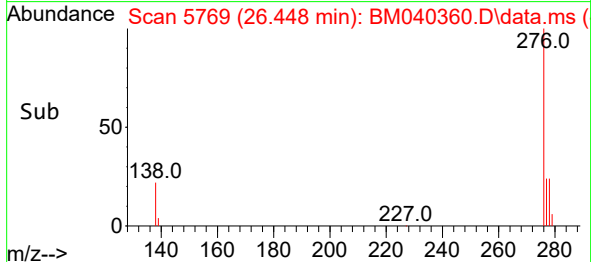
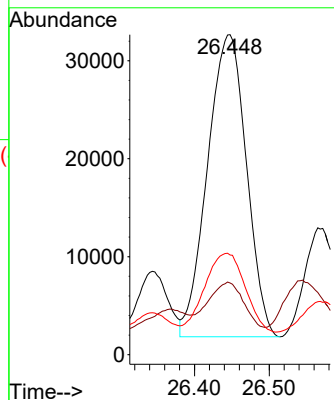
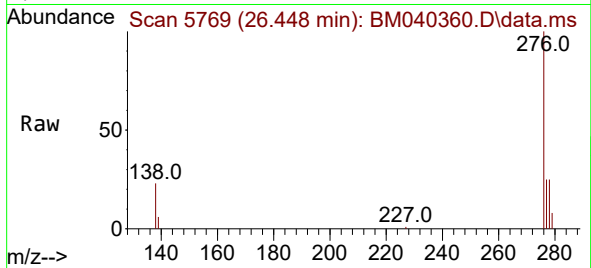




#28
Dibenzo(a,h)anthracene
Concen: 1.262 ng/ul
RT: 26.448 min Scan# 51
Delta R.T. -0.006 min
Lab File: BM040360.D
Acq: 22 Jun 2023 22:10

Instrument :
BNA_M
ClientSampleId :
DCFN4

Tgt Ion:278 Resp: 111594
Ion Ratio Lower Upper
278 100
139 22.4 17.9 26.9
279 31.1 22.0 33.0



#29
Benzo(g,h,i)perylene
Concen: 4.358 ng/ul
RT: 27.216 min Scan# 5998
Delta R.T. 0.010 min
Lab File: BM040360.D
Acq: 22 Jun 2023 22:10

Tgt Ion:276 Resp: 431275
Ion Ratio Lower Upper
276 100
138 24.2 23.0 34.6
277 24.6 20.3 30.5

