

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062223\
 Data File : BM040358.D
 Acq On : 22 Jun 2023 20:57
 Operator : MA/JU
 Sample : 03084-12
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFM9

Quant Time: Jun 23 02:27:41 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)

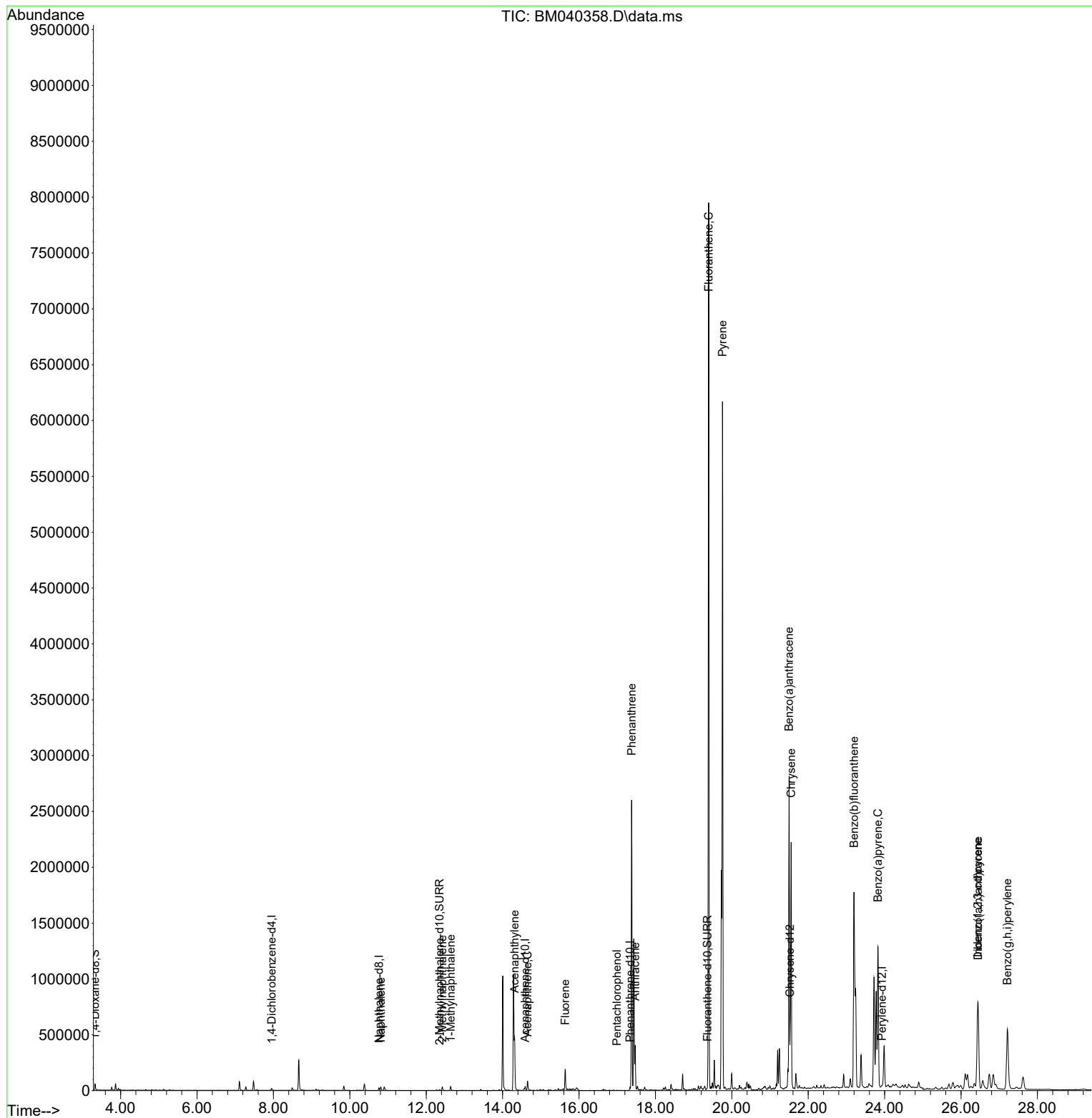
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	8768	0.400	ng/ul	0.00
4) Naphthalene-d8	10.762	136	31966	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.591	164	18305	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.336	188	34849	0.400	ng/ul	0.00
17) Chrysene-d12	21.518	240	23455	0.400	ng/ul	# 0.00
23) Perylene-d12	23.932	264	26036	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.333	96	34283	2.489	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.351	152	8909	0.199	ng/ul	0.00
18) Fluoranthene-d10	19.361	212	19562	0.260	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.811	128	42032	0.477	ng/ul	99
7) 2-Methylnaphthalene	12.422	142	22700	0.438	ng/ul	99
8) 1-Methylnaphthalene	12.642	142	25333	0.490	ng/ul	100
10) Acenaphthylene	14.313	152	520176	6.361	ng/ul	99
11) Acenaphthene	14.651	153	49824	0.722	ng/ul	98
12) Fluorene	15.637	166	119765	1.625	ng/ul	100
14) Pentachlorophenol	16.990	266	158	0.024	ng/ul#	81
15) Phenanthrene	17.379	178	2649291	24.474	ng/ul	99
16) Anthracene	17.467	178	388440	4.270	ng/ul	99
19) Fluoranthene	19.394	202	6396312	64.199	ng/ul	95
20) Pyrene	19.756	202	4624170	43.291	ng/ul	96
21) Benzo(a)anthracene	21.497	228	2287076	28.827	ng/ul	98
22) Chrysene	21.553	228	2105446	23.265	ng/ul	97
24) Benzo(b)fluoranthene	23.198	252	3054633	30.316	ng/ul	88
26) Benzo(a)pyrene	23.824	252	1779264	19.604	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	26.441	276	1352488	10.700	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.447	278	342118	3.457	ng/ul	96
29) Benzo(g,h,i)perylene	27.215	276	1184985	10.696	ng/ul	93

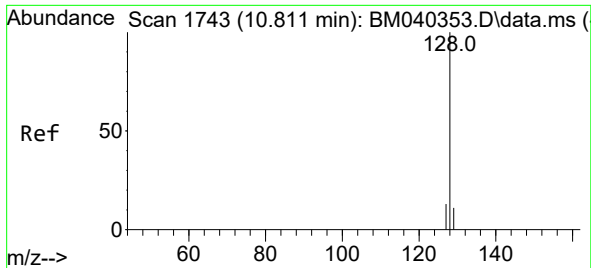
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 23 00:44:24 2023
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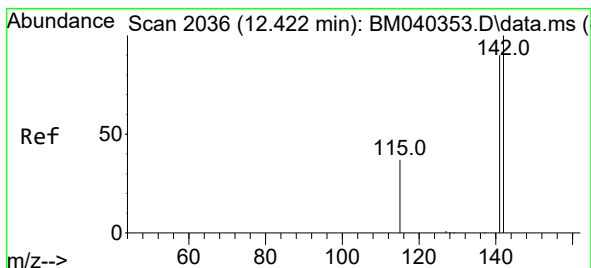
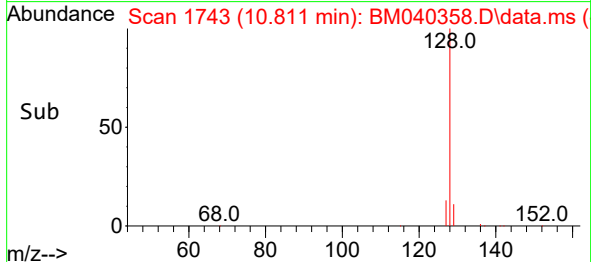
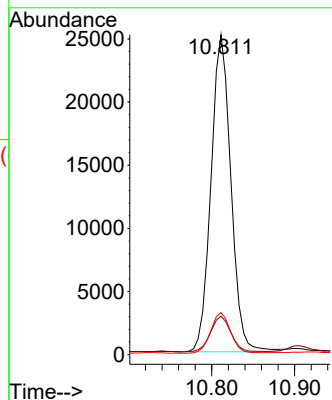
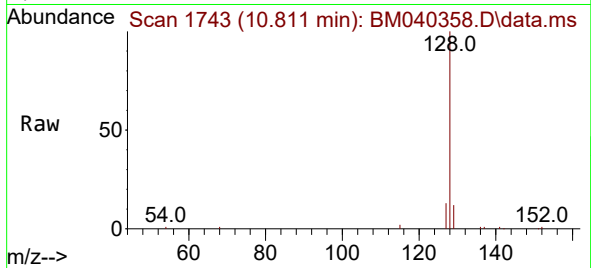




#5
Naphthalene
Concen: 0.477 ng/ul
RT: 10.811 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM040358.D
Acq: 22 Jun 2023 20:57

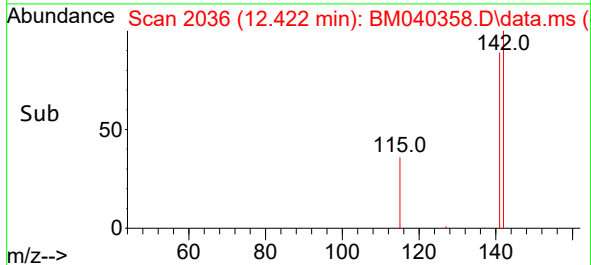
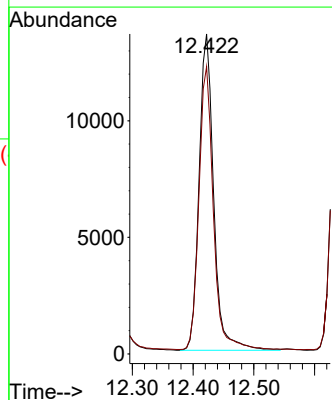
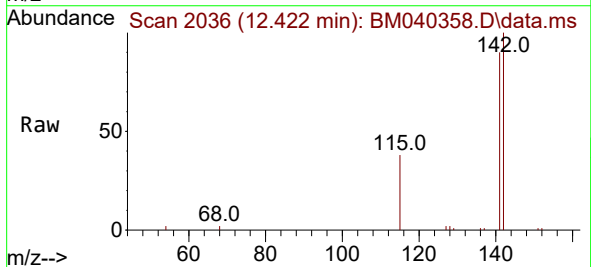
Instrument :
BNA_M
ClientSampleId :
DCFM9

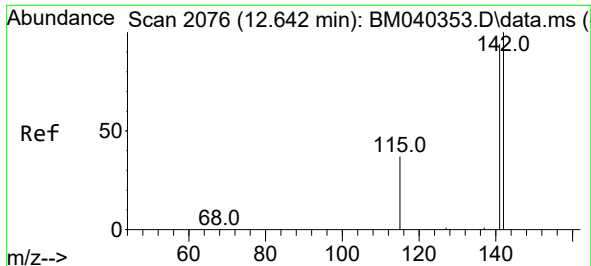
Tgt Ion:128 Resp: 42032
Ion Ratio Lower Upper
128 100
129 12.0 9.2 13.8
127 13.2 10.6 15.8



#7
2-Methylnaphthalene
Concen: 0.438 ng/ul
RT: 12.422 min Scan# 2036
Delta R.T. -0.000 min
Lab File: BM040358.D
Acq: 22 Jun 2023 20:57

Tgt Ion:142 Resp: 22700
Ion Ratio Lower Upper
142 100
141 88.7 71.9 107.9

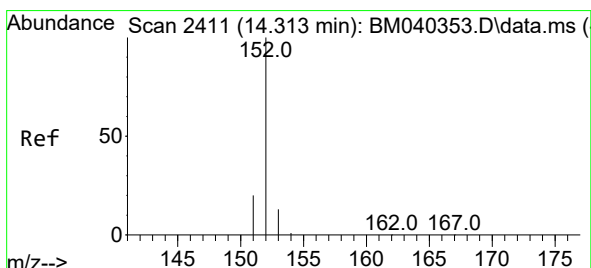
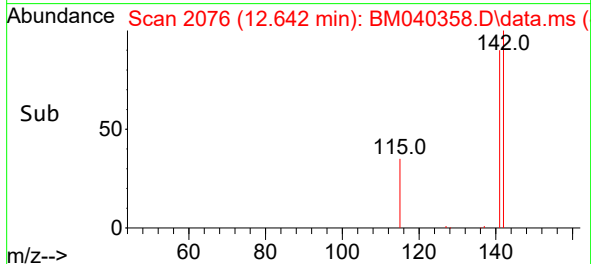
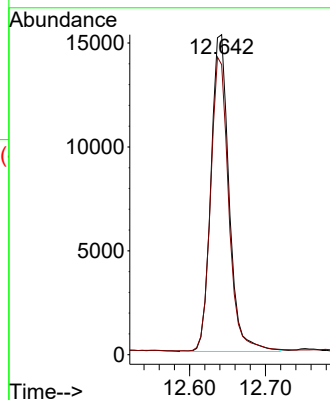
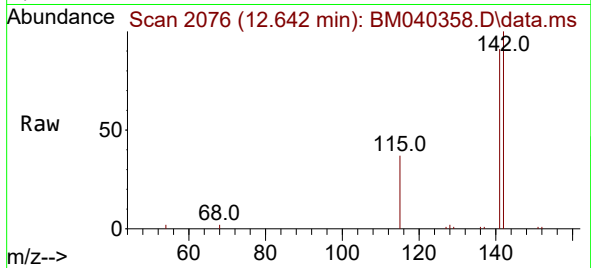




#8
1-Methylnaphthalene
Concen: 0.490 ng/ul
RT: 12.642 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BM040358.D
Acq: 22 Jun 2023 20:57

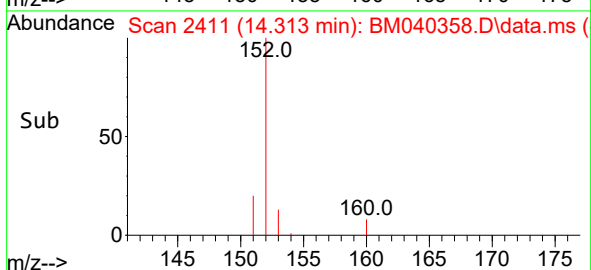
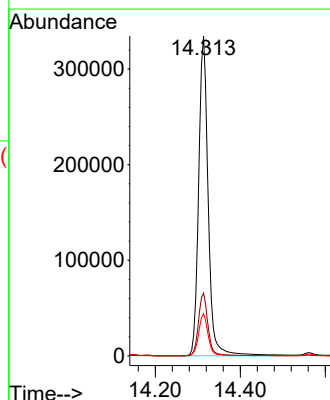
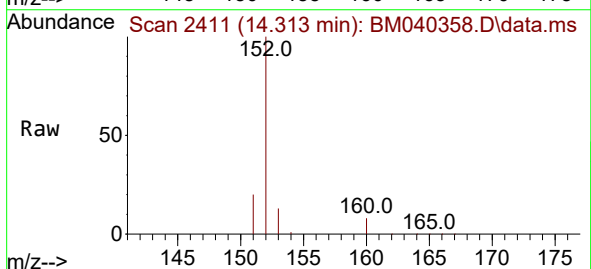
Instrument :
BNA_M
ClientSampleId :
DCFM9

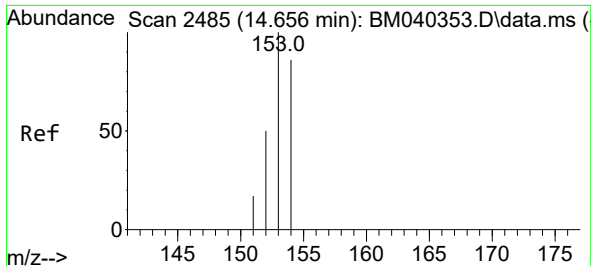
Tgt Ion:142 Resp: 25333
Ion Ratio Lower Upper
142 100
141 92.0 73.7 110.5



#10
Acenaphthylene
Concen: 6.361 ng/ul
RT: 14.313 min Scan# 2411
Delta R.T. -0.000 min
Lab File: BM040358.D
Acq: 22 Jun 2023 20:57

Tgt Ion:152 Resp: 520176
Ion Ratio Lower Upper
152 100
151 19.6 16.2 24.2
153 13.2 10.9 16.3

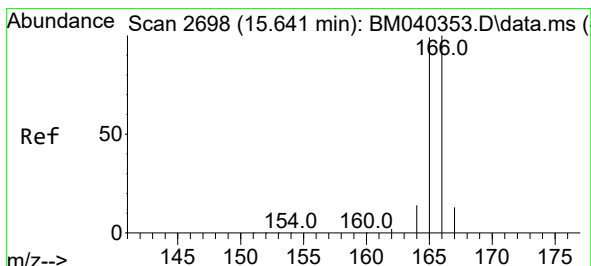
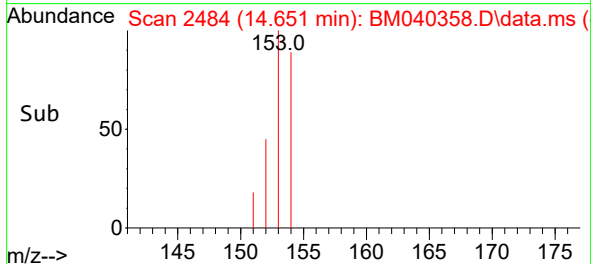
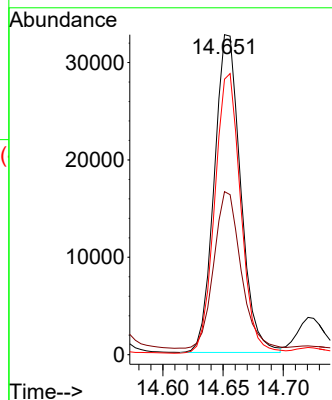
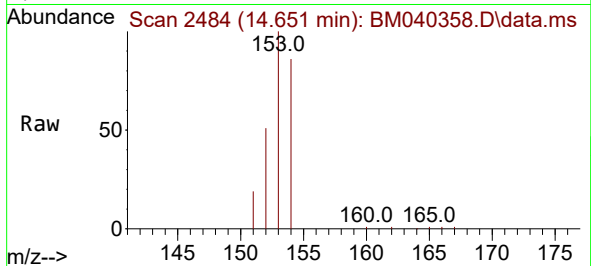




#11
Acenaphthene
Concen: 0.722 ng/ul
RT: 14.651 min Scan# 2484
Delta R.T. -0.005 min
Lab File: BM040358.D
Acq: 22 Jun 2023 20:57

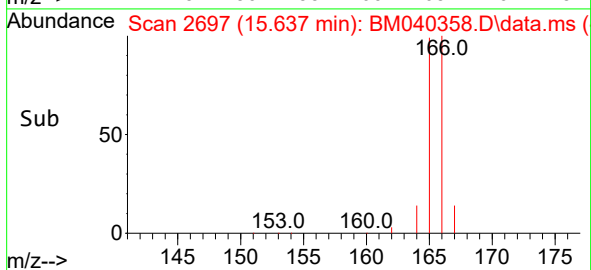
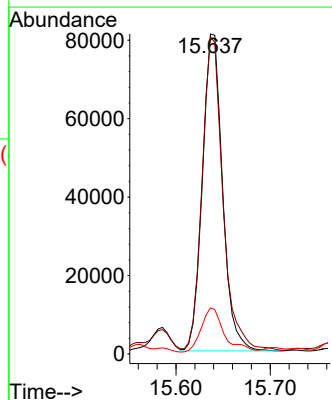
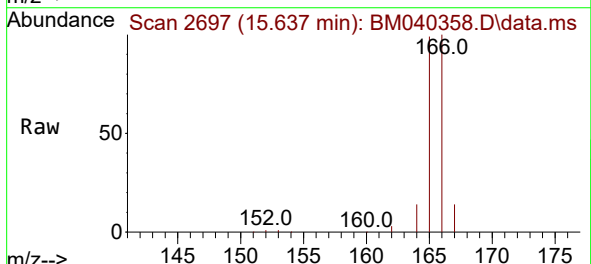
Instrument :
BNA_M
ClientSampleId :
DCFM9

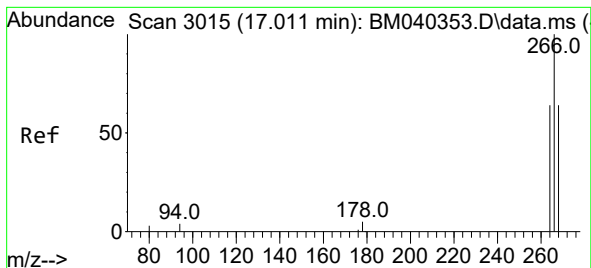
Tgt Ion:153 Resp: 49824
Ion Ratio Lower Upper
153 100
152 51.0 41.0 61.4
154 86.1 70.8 106.2



#12
Fluorene
Concen: 1.625 ng/ul
RT: 15.637 min Scan# 2697
Delta R.T. -0.005 min
Lab File: BM040358.D
Acq: 22 Jun 2023 20:57

Tgt Ion:166 Resp: 119765
Ion Ratio Lower Upper
166 100
165 99.1 79.6 119.4
167 14.4 11.4 17.0





#14

Pentachlorophenol

Concen: 0.024 ng/ul

RT: 16.990 min Scan# 3010

Delta R.T. -0.021 min

Lab File: BM040358.D

Acq: 22 Jun 2023 20:57

Instrument :

BNA_M

ClientSampleId :

DCFM9

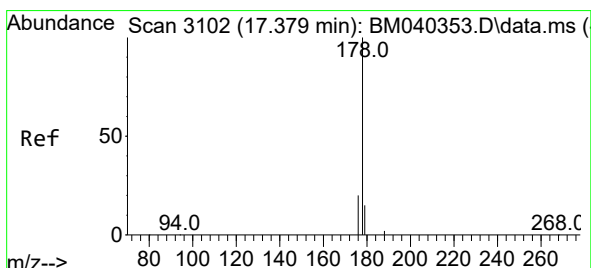
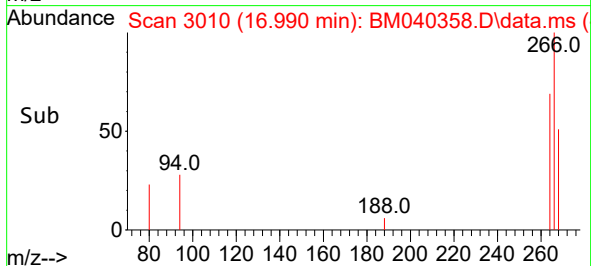
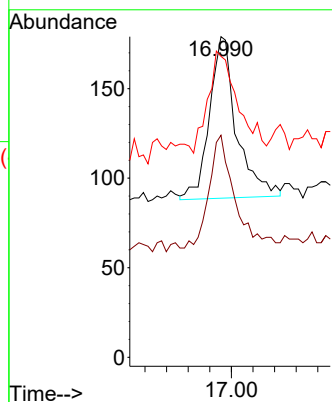
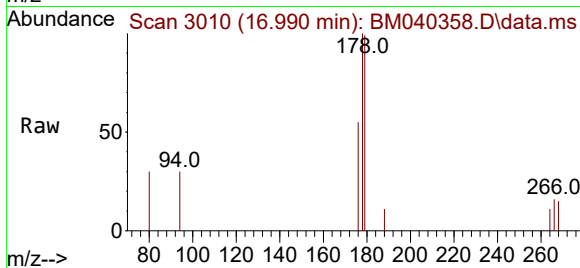
Tgt Ion:266 Resp: 158

Ion Ratio Lower Upper

266 100

264 71.5 45.4 68.0#

268 72.8 47.2 70.8#



#15

Phenanthrene

Concen: 24.474 ng/ul

RT: 17.379 min Scan# 3102

Delta R.T. -0.000 min

Lab File: BM040358.D

Acq: 22 Jun 2023 20:57

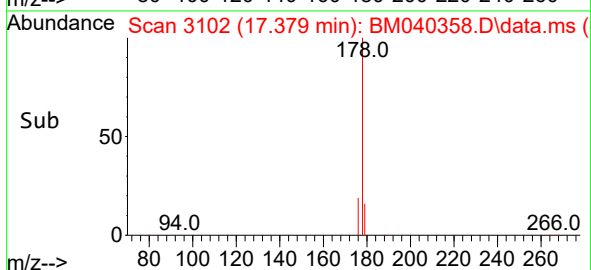
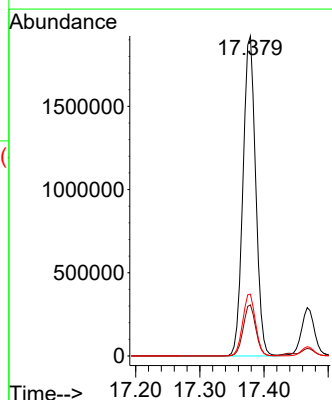
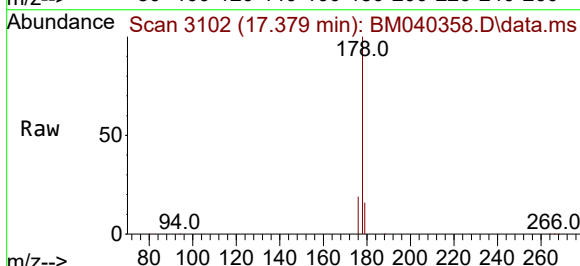
Tgt Ion:178 Resp: 2649291

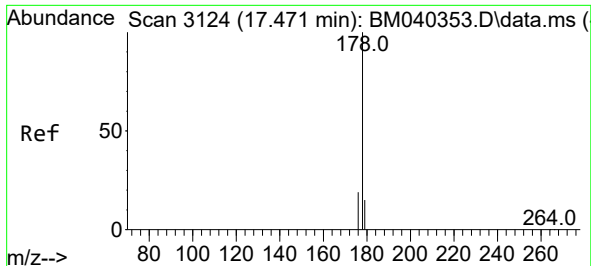
Ion Ratio Lower Upper

178 100

179 16.0 12.8 19.2

176 19.3 16.4 24.6

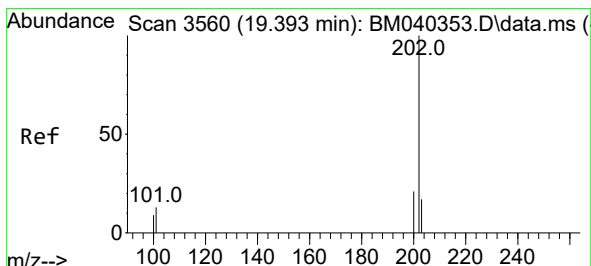
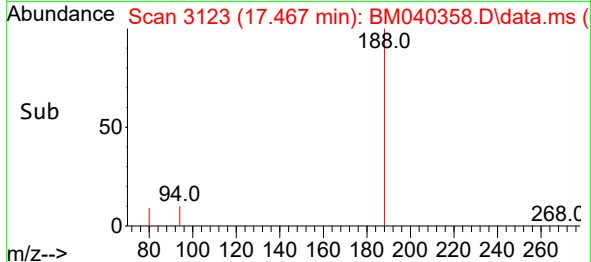
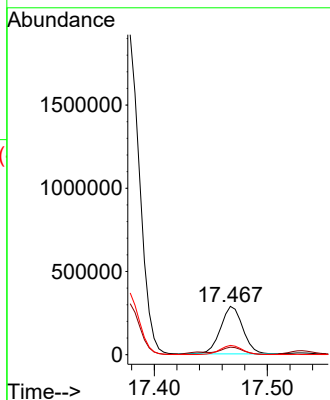
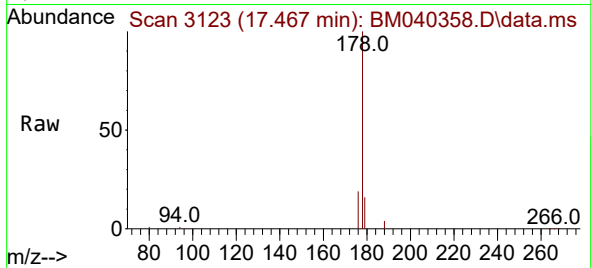




#16
 Anthracene
 Concen: 4.270 ng/ul
 RT: 17.467 min Scan# 3123
 Delta R.T. -0.004 min
 Lab File: BM040358.D
 Acq: 22 Jun 2023 20:57

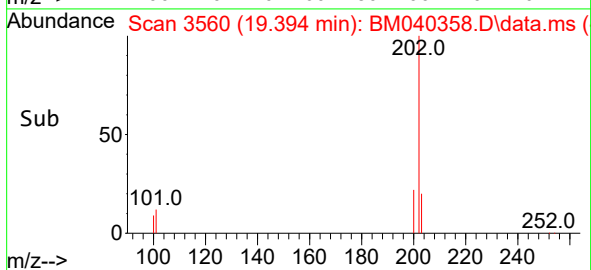
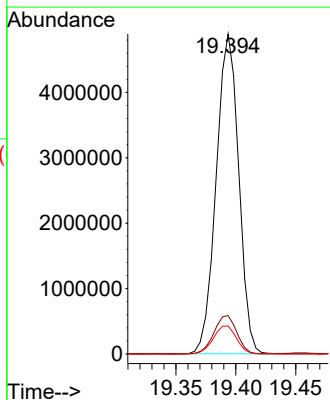
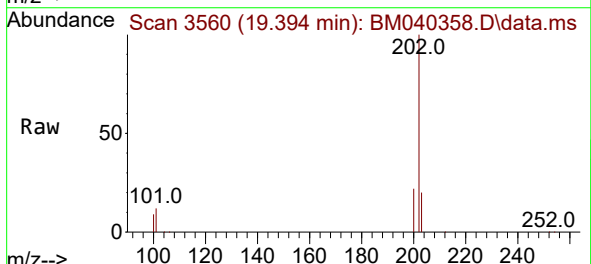
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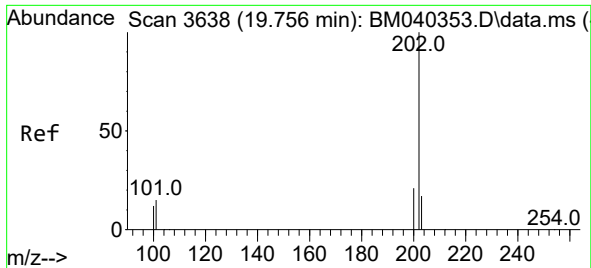
Tgt Ion:178 Resp: 388440
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.9 19.3
 176 19.3 15.8 23.6



#19
 Fluoranthene
 Concen: 64.199 ng/ul
 RT: 19.394 min Scan# 3560
 Delta R.T. 0.005 min
 Lab File: BM040358.D
 Acq: 22 Jun 2023 20:57

Tgt Ion:202 Resp: 6396312
 Ion Ratio Lower Upper
 202 100
 101 12.0 11.4 17.0
 100 8.8 8.7 13.1

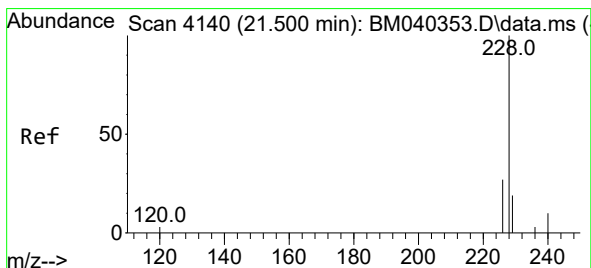
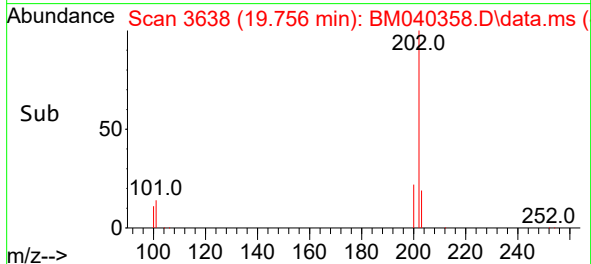
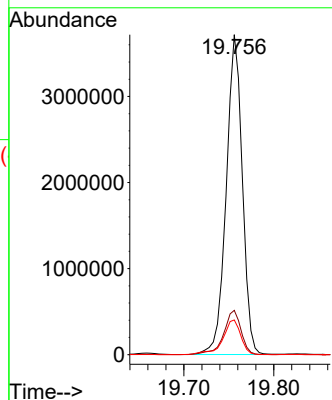
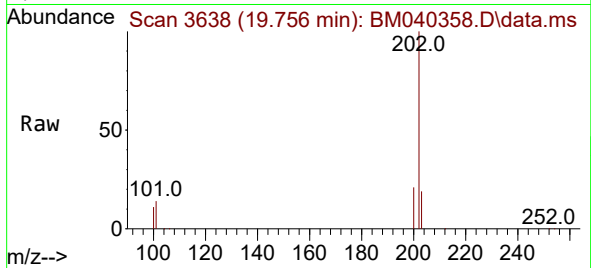




#20
 Pyrene
 Concen: 43.291 ng/ul
 RT: 19.756 min Scan# 3638
 Delta R.T. -0.000 min
 Lab File: BM040358.D
 Acq: 22 Jun 2023 20:57

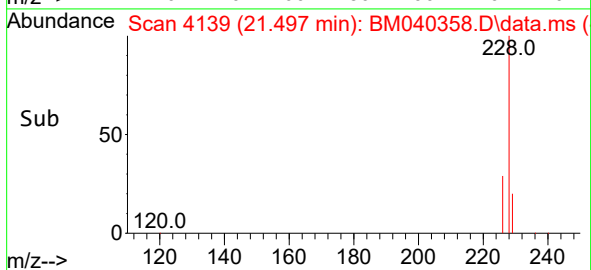
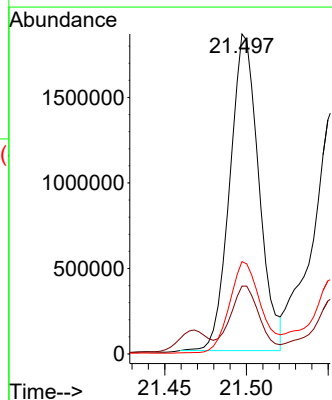
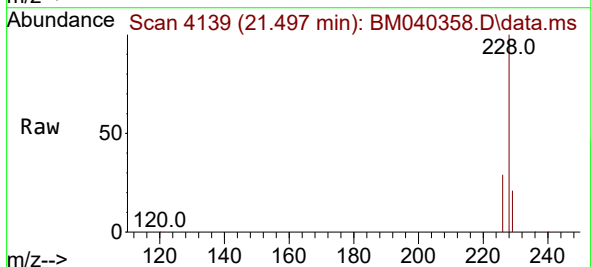
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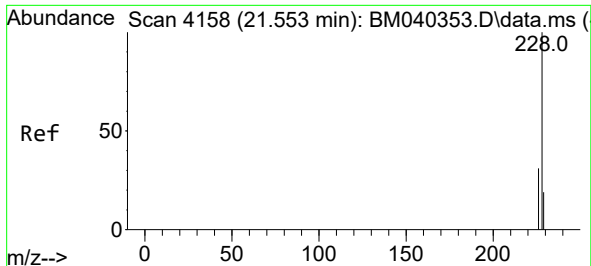
Tgt Ion:202 Resp: 4624170
 Ion Ratio Lower Upper
 202 100
 101 13.8 12.6 18.8
 100 10.8 9.8 14.6



#21
 Benzo(a)anthracene
 Concen: 28.827 ng/ul
 RT: 21.497 min Scan# 4139
 Delta R.T. -0.003 min
 Lab File: BM040358.D
 Acq: 22 Jun 2023 20:57

Tgt Ion:228 Resp: 2287076
 Ion Ratio Lower Upper
 228 100
 229 21.2 16.0 24.0
 226 28.8 22.3 33.5





#22

Chrysene

Concen: 23.265 ng/ul

RT: 21.553 min Scan# 4158

Delta R.T. -0.000 min

Lab File: BM040358.D

Acq: 22 Jun 2023 20:57

Instrument :

BNA_M

ClientSampleId :

DCFM9

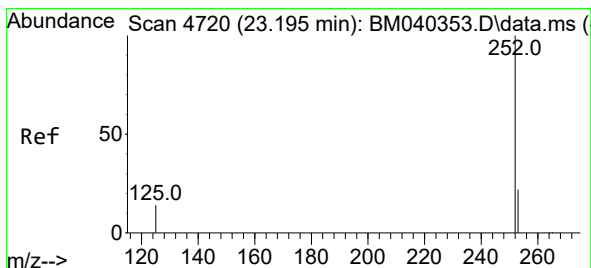
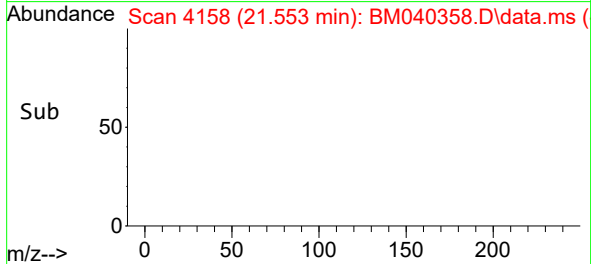
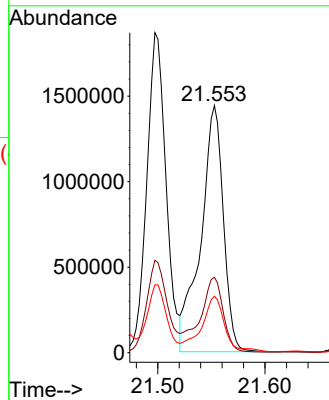
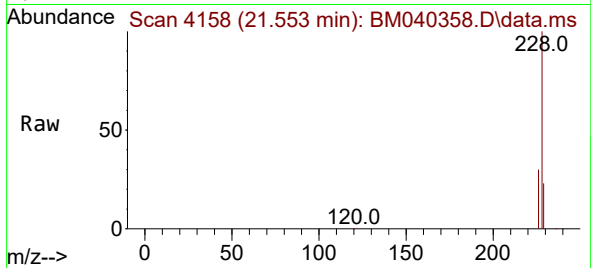
Tgt Ion:228 Resp: 2105446

Ion Ratio Lower Upper

228 100

226 30.5 24.9 37.3

229 22.9 15.8 23.6



#24

Benzo(b)fluoranthene

Concen: 30.316 ng/ul

RT: 23.198 min Scan# 4721

Delta R.T. 0.006 min

Lab File: BM040358.D

Acq: 22 Jun 2023 20:57

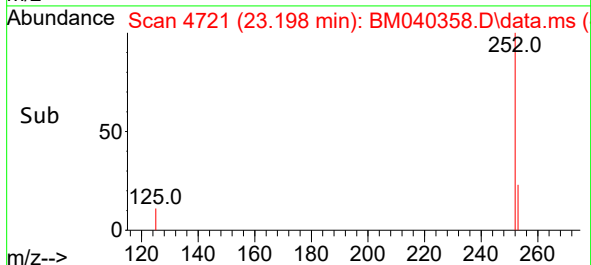
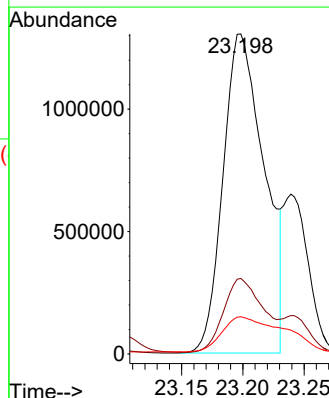
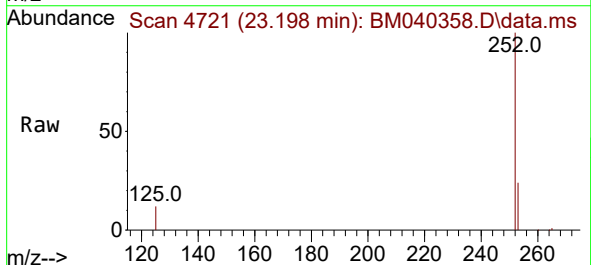
Tgt Ion:252 Resp: 3054633

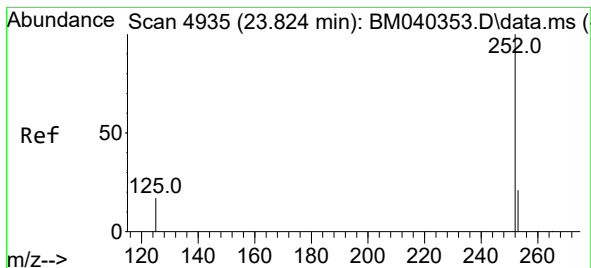
Ion Ratio Lower Upper

252 100

253 23.6 0.0 52.8

125 11.6 0.0 43.0





#26

Benzo(a)pyrene

Concen: 19.604 ng/ul

RT: 23.824 min Scan# 4935

Delta R.T. -0.000 min

Lab File: BM040358.D

Acq: 22 Jun 2023 20:57

Instrument :

BNA_M

ClientSampleId :

DCFM9

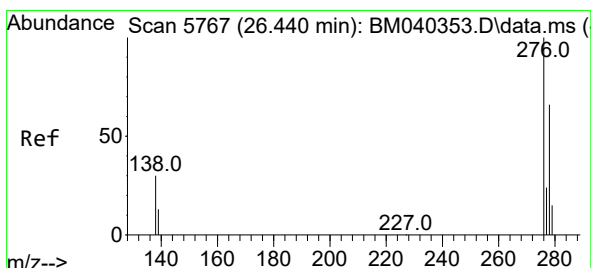
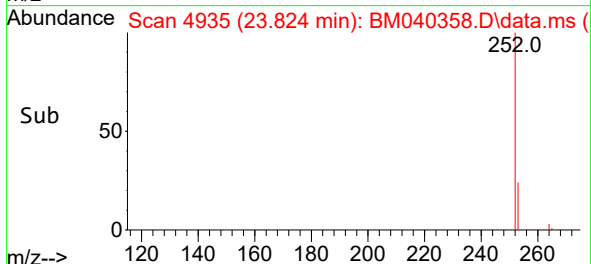
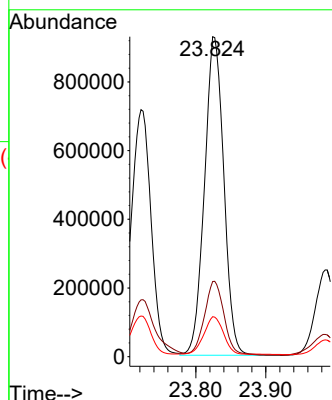
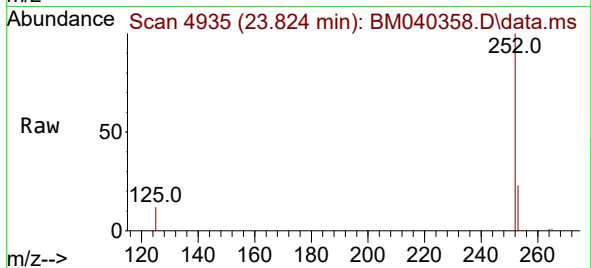
Tgt Ion:252 Resp: 1779264

Ion Ratio Lower Upper

252 100

253 23.5 22.9 34.3

125 12.5 21.0 31.4#



#27

Indeno(1,2,3-cd)pyrene

Concen: 10.700 ng/ul

RT: 26.441 min Scan# 5767

Delta R.T. 0.007 min

Lab File: BM040358.D

Acq: 22 Jun 2023 20:57

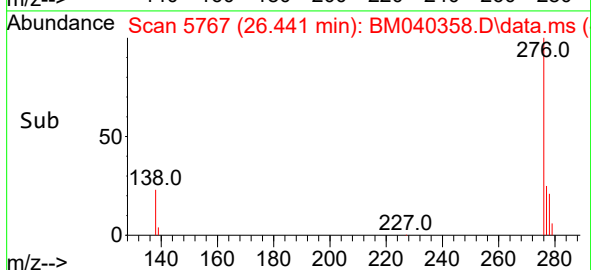
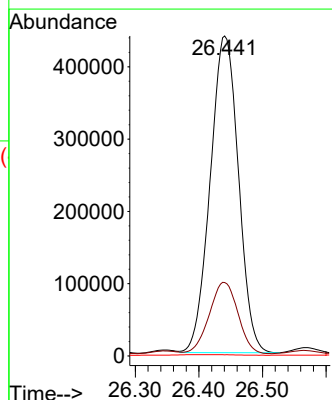
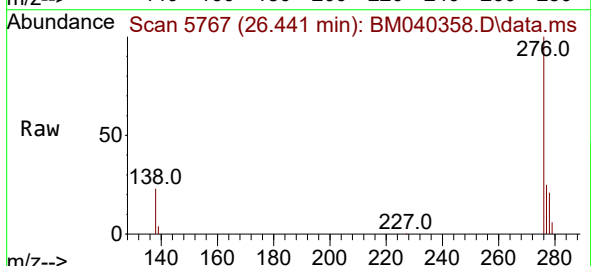
Tgt Ion:276 Resp: 1352488

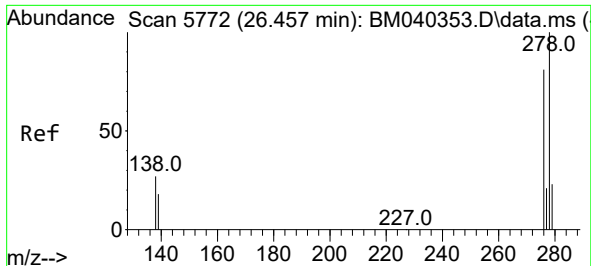
Ion Ratio Lower Upper

276 100

138 23.0 24.5 36.7#

227 0.0 0.1 0.1#

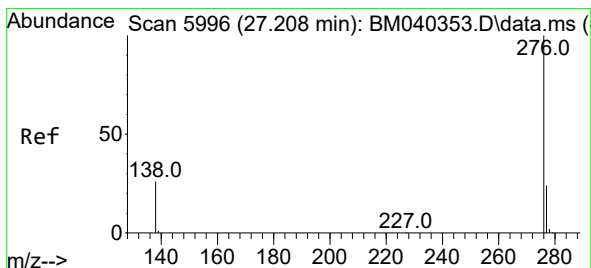
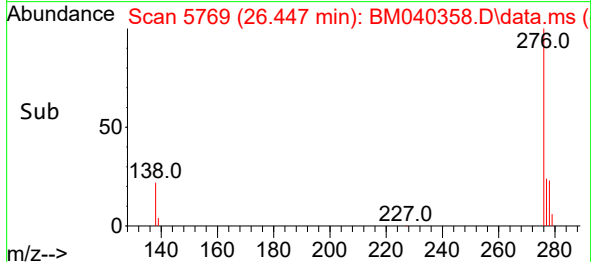
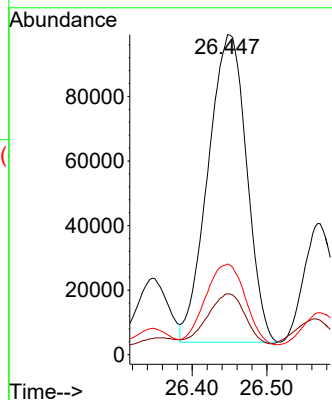
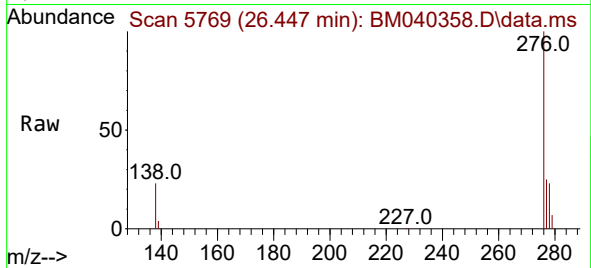




#28
 Dibenzo(a,h)anthracene
 Concen: 3.457 ng/ul
 RT: 26.447 min Scan# 51
 Delta R.T. -0.007 min
 Lab File: BM040358.D
 Acq: 22 Jun 2023 20:57

Instrument :
 BNA_M
 ClientSampleId :
 DCFM9

Tgt Ion:278 Resp: 342118
 Ion Ratio Lower Upper
 278 100
 139 19.1 17.9 26.9
 279 28.3 22.0 33.0



#29
 Benzo(g,h,i)perylene
 Concen: 10.696 ng/ul
 RT: 27.215 min Scan# 5998
 Delta R.T. 0.010 min
 Lab File: BM040358.D
 Acq: 22 Jun 2023 20:57

Tgt Ion:276 Resp: 1184985
 Ion Ratio Lower Upper
 276 100
 138 23.4 23.0 34.6
 277 24.2 20.3 30.5

