

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070123\
 Data File : BM040556.D
 Acq On : 03 Jul 2023 01:38
 Operator : MA/JU
 Sample : 03243-21
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCGE1

Quant Time: Jul 03 06:50:00 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 : Sat Jul 01 03:00:05 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

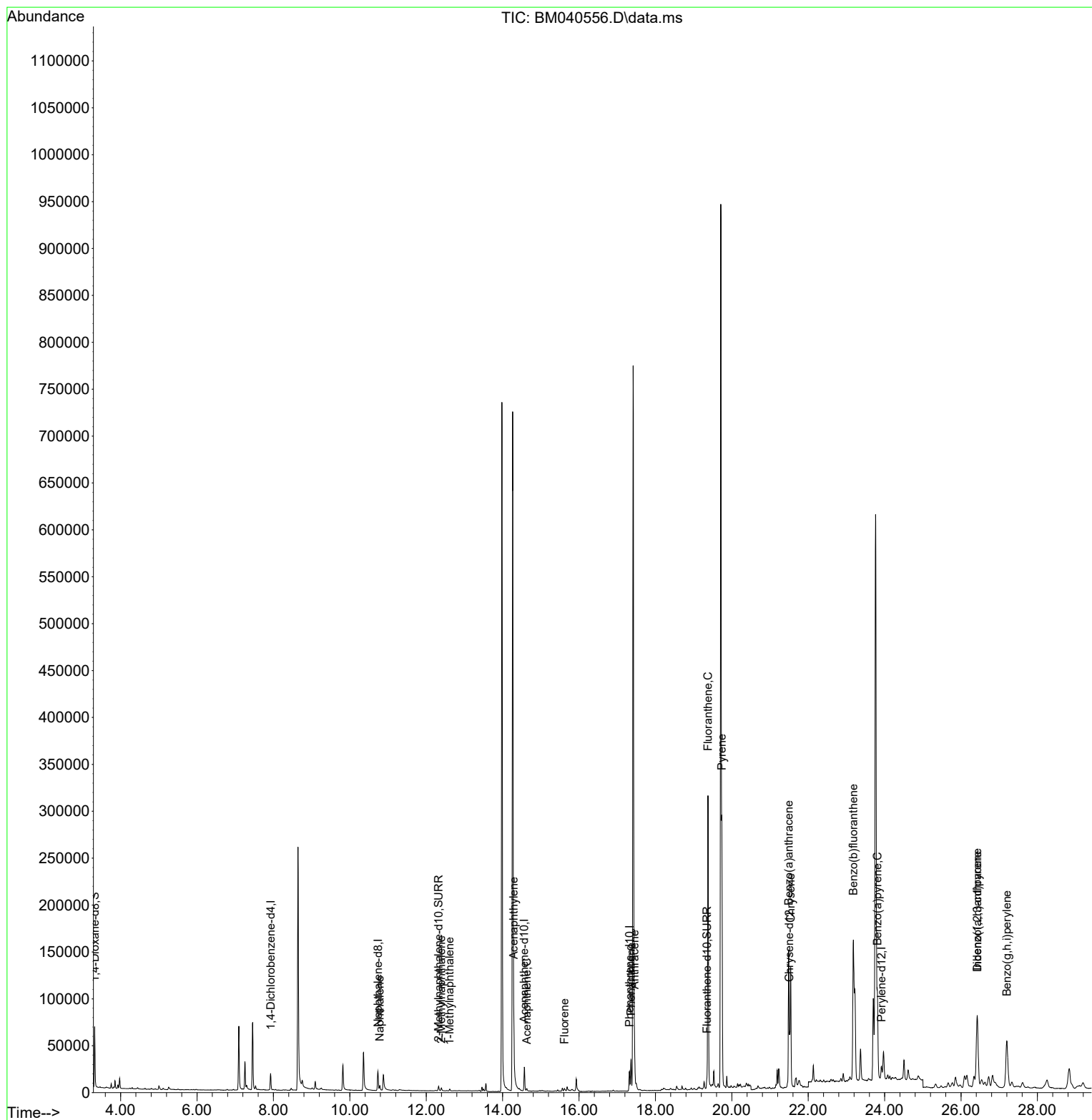
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	8915	0.400	ng/ul	0.00
4) Naphthalene-d8	10.734	136	30431	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.568	164	14505	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.319	188	26973	0.400	ng/ul	0.00
17) Chrysene-d12	21.503	240	17215	0.400	ng/ul	0.00
23) Perylene-d12	23.917	264	20207	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.321	96	36353	2.596	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.323	152	7580	0.178	ng/ul	-0.01
18) Fluoranthene-d10	19.347	212	12058	0.218	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.783	128	6807	0.081	ng/ul#	91
7) 2-Methylnaphthalene	12.395	142	2563	0.052	ng/ul	98
8) 1-Methylnaphthalene	12.615	142	1424	0.029	ng/ul	98
10) Acenaphthylene	14.290	152	57843	0.893	ng/ul	100
11) Acenaphthene	14.633	153	1546	0.028	ng/ul#	92
12) Fluorene	15.618	166	2370	0.041	ng/ul#	93
15) Phenanthrene	17.357	178	38429	0.459	ng/ul	99
16) Anthracene	17.450	178	34212	0.486	ng/ul	99
19) Fluoranthene	19.375	202	274011	3.747	ng/ul	98
20) Pyrene	19.737	202	222697	2.841	ng/ul	99
21) Benzo(a)anthracene	21.488	228	130357	2.239	ng/ul	96
22) Chrysene	21.541	228	144261	2.172	ng/ul	98
24) Benzo(b)fluoranthene	23.181	252	270528	3.459	ng/ul	90
26) Benzo(a)pyrene	23.809	252	140639	1.997	ng/ul#	87
27) Indeno(1,2,3-cd)pyrene	26.424	276	145846	1.487	ng/ul#	85
28) Dibenzo(a,h)anthracene	26.427	278	35440	0.461	ng/ul	91
29) Benzo(g,h,i)perylene	27.198	276	128286	1.492	ng/ul	96

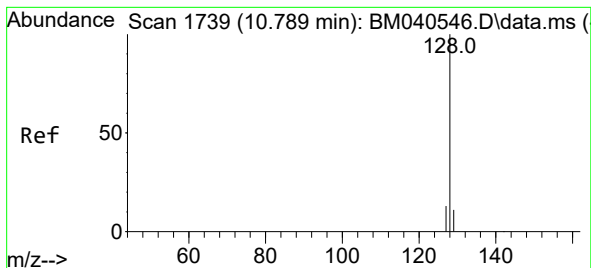
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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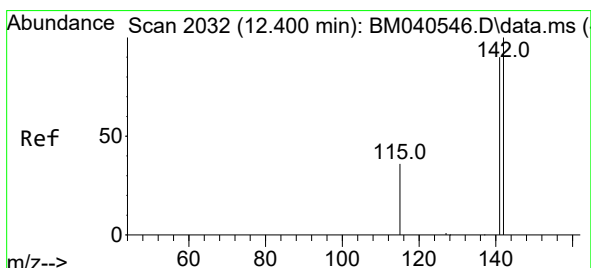
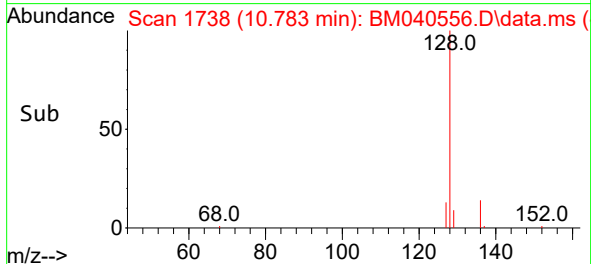
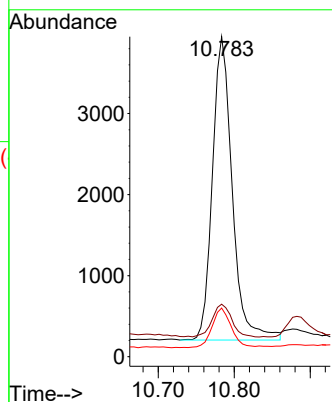
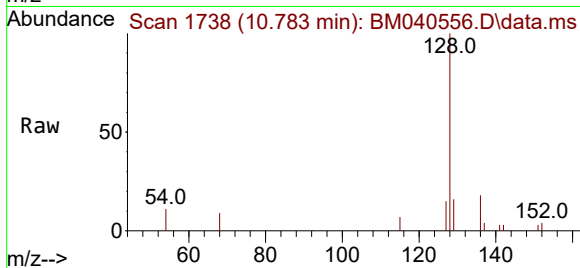




#5
Naphthalene
Concen: 0.081 ng/ul
RT: 10.783 min Scan# 11
Delta R.T. -0.011 min
Lab File: BM040556.D
Acq: 03 Jul 2023 01:38

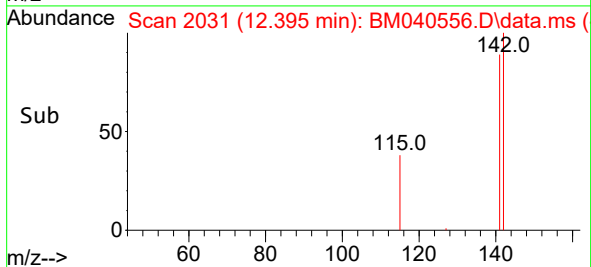
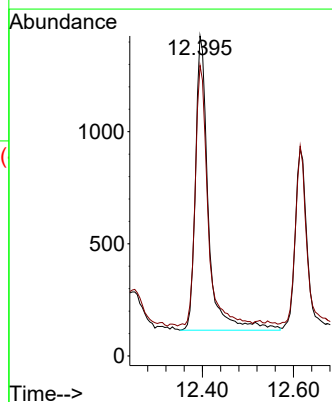
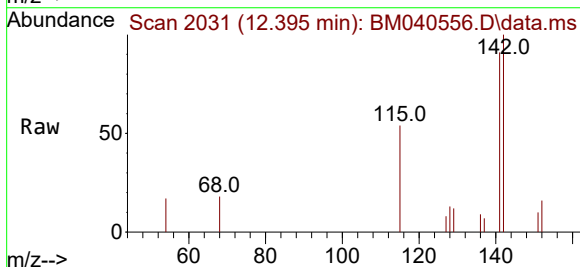
Instrument :
BNA_M
ClientSampleId :
DCGE1

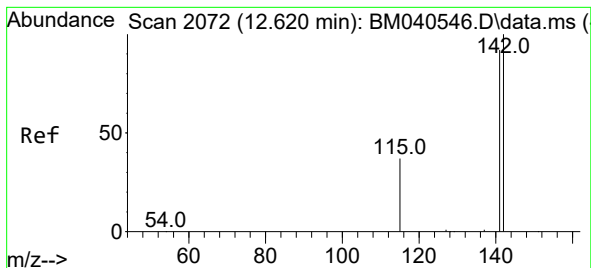
Tgt Ion:128 Resp: 6807
Ion Ratio Lower Upper
128 100
129 16.4 9.2 13.8#
127 15.2 10.6 15.8



#7
2-Methylnaphthalene
Concen: 0.052 ng/ul
RT: 12.395 min Scan# 2031
Delta R.T. -0.011 min
Lab File: BM040556.D
Acq: 03 Jul 2023 01:38

Tgt Ion:142 Resp: 2563
Ion Ratio Lower Upper
142 100
141 87.6 71.9 107.9





#8

1-Methylnaphthalene

Concen: 0.029 ng/ul

RT: 12.615 min Scan# 2071

Delta R.T. -0.011 min

Lab File: BM040556.D

Acq: 03 Jul 2023 01:38

Instrument :

BNA_M

ClientSampleId :

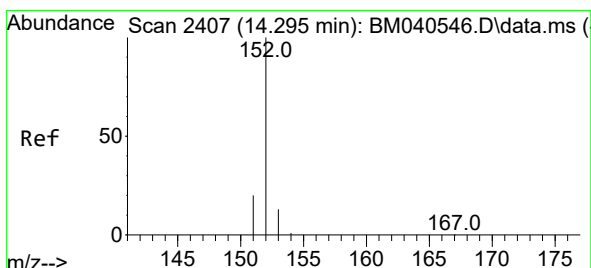
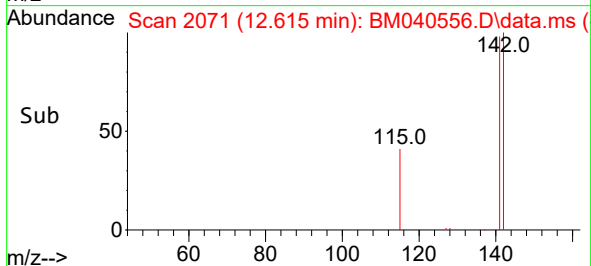
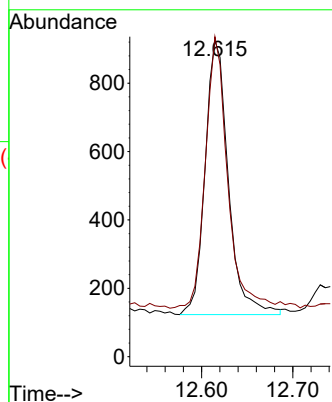
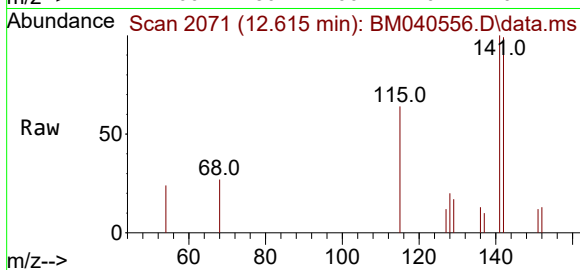
DCGE1

Tgt Ion:142 Resp: 1424

Ion Ratio Lower Upper

142 100

141 94.3 73.7 110.5



#10

Acenaphthylene

Concen: 0.893 ng/ul

RT: 14.290 min Scan# 2406

Delta R.T. -0.009 min

Lab File: BM040556.D

Acq: 03 Jul 2023 01:38

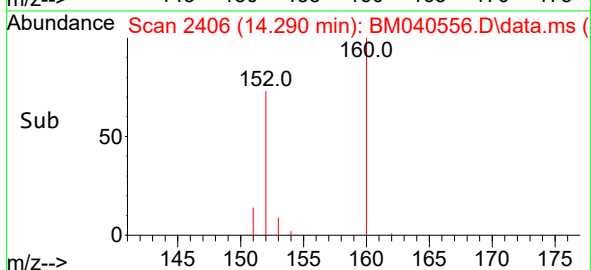
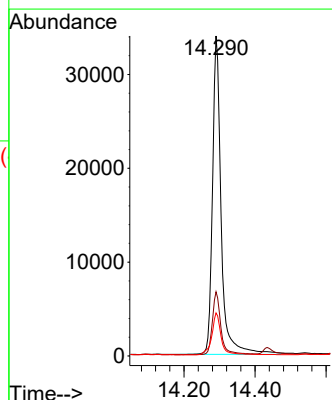
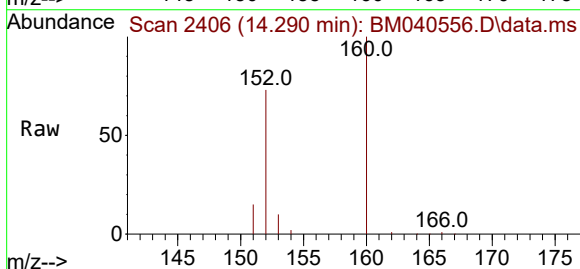
Tgt Ion:152 Resp: 57843

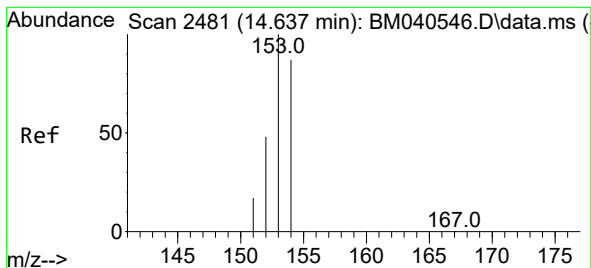
Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.2

153 13.5 10.9 16.3





#11

Acenaphthene

Concen: 0.028 ng/ul

RT: 14.633 min Scan# 2481

Delta R.T. -0.009 min

Lab File: BM040556.D

Acq: 03 Jul 2023 01:38

Instrument :

BNA_M

ClientSampleId :

DCGE1

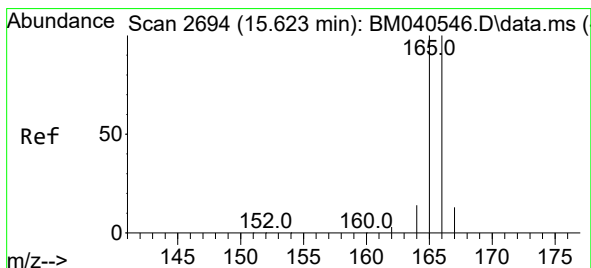
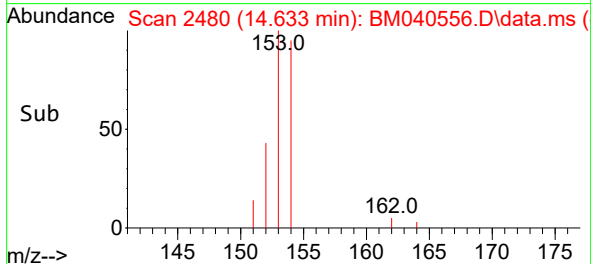
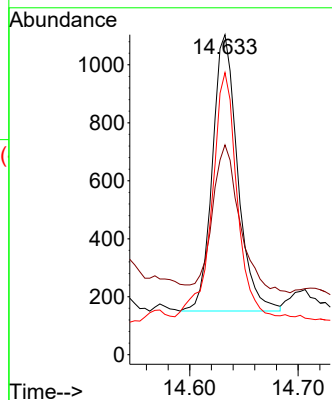
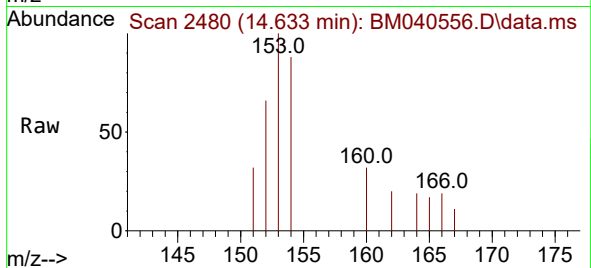
Tgt Ion:153 Resp: 1546

Ion Ratio Lower Upper

153 100

152 65.6 41.0 61.4#

154 88.1 70.8 106.2



#12

Fluorene

Concen: 0.041 ng/ul

RT: 15.618 min Scan# 2693

Delta R.T. -0.014 min

Lab File: BM040556.D

Acq: 03 Jul 2023 01:38

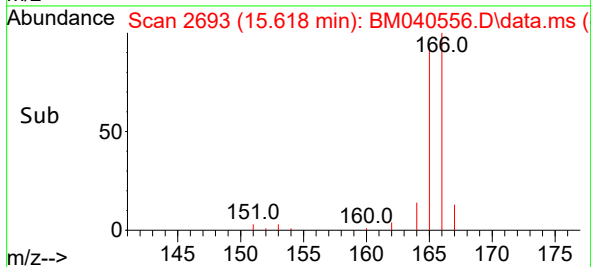
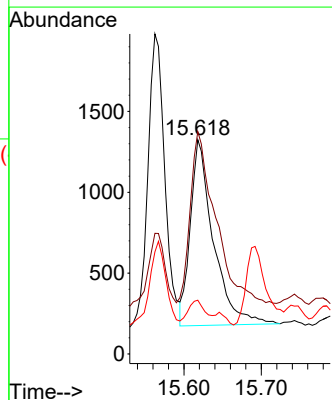
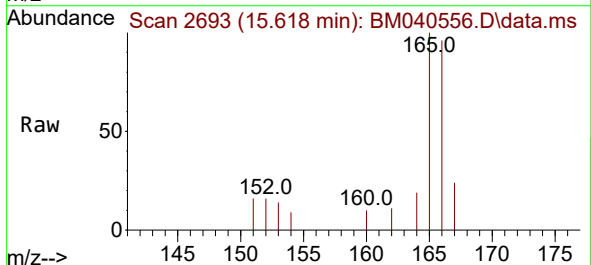
Tgt Ion:166 Resp: 2370

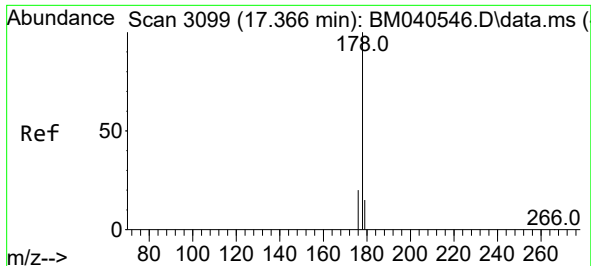
Ion Ratio Lower Upper

166 100

165 103.8 79.6 119.4

167 25.1 11.4 17.0#

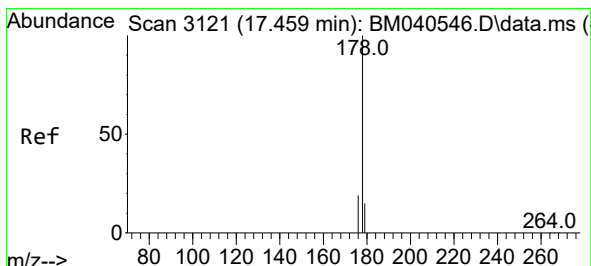
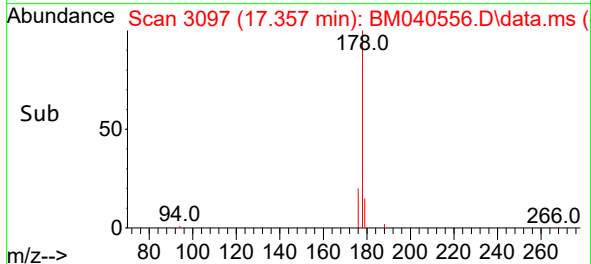
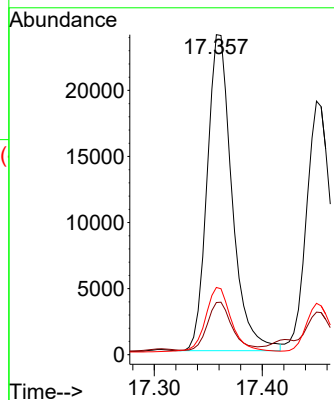
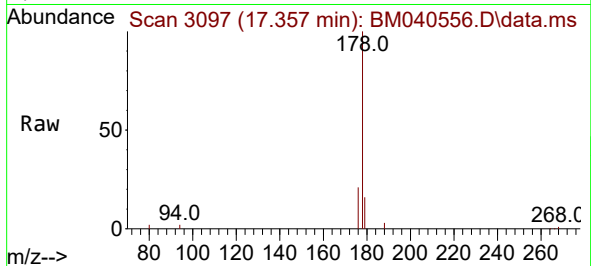




#15
Phenanthrene
Concen: 0.459 ng/ul
RT: 17.357 min Scan# 3097
Delta R.T. -0.013 min
Lab File: BM040556.D
Acq: 03 Jul 2023 01:38

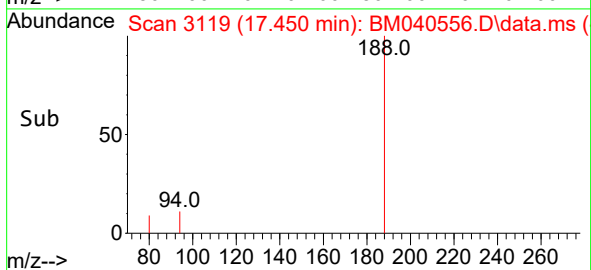
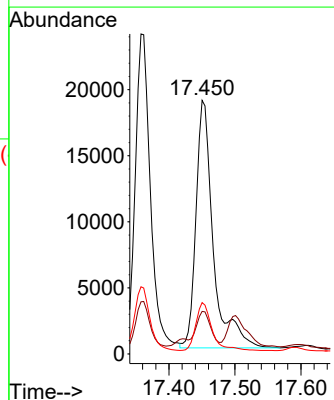
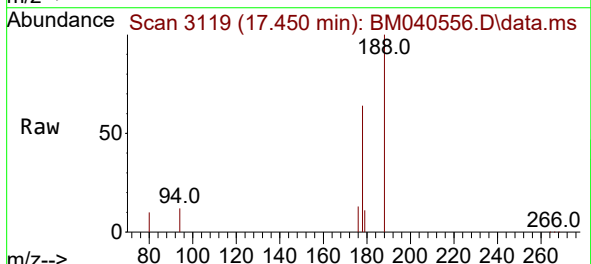
Instrument :
BNA_M
ClientSampleId :
DCGE1

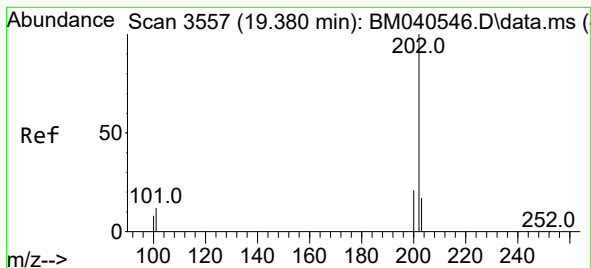
Tgt Ion:178 Resp: 38429
Ion Ratio Lower Upper
178 100
179 16.3 12.8 19.2
176 21.0 16.4 24.6



#16
Anthracene
Concen: 0.486 ng/ul
RT: 17.450 min Scan# 3119
Delta R.T. -0.013 min
Lab File: BM040556.D
Acq: 03 Jul 2023 01:38

Tgt Ion:178 Resp: 34212
Ion Ratio Lower Upper
178 100
179 16.8 12.9 19.3
176 20.3 15.8 23.6





#19

Fluoranthene

Concen: 3.747 ng/ul

RT: 19.375 min Scan# 3

Delta R.T. -0.009 min

Lab File: BM040556.D

Acq: 03 Jul 2023 01:38

Instrument :

BNA_M

ClientSampleId :

DCGE1

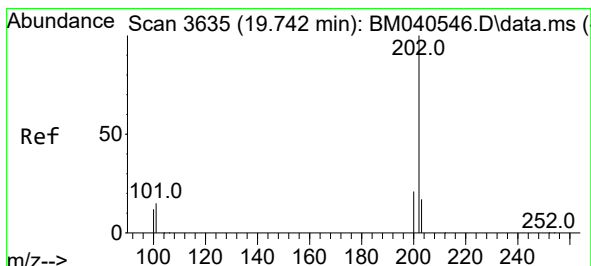
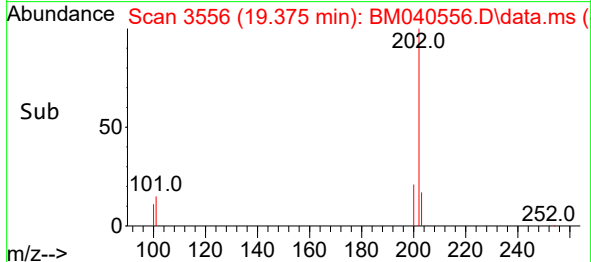
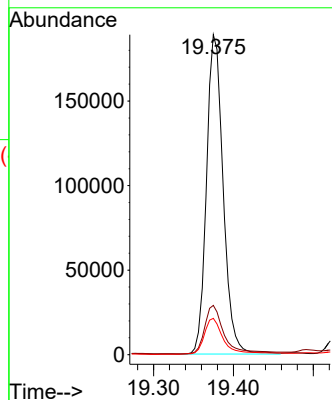
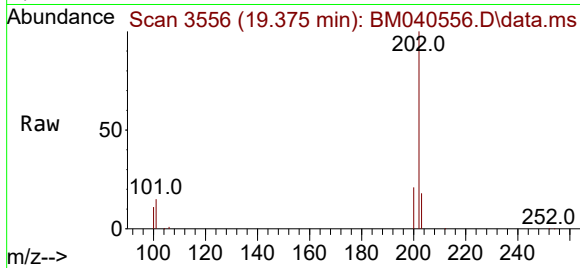
Tgt Ion:202 Resp: 274011

Ion Ratio Lower Upper

202 100

101 15.4 11.4 17.0

100 11.4 8.7 13.1



#20

Pyrene

Concen: 2.841 ng/ul

RT: 19.737 min Scan# 3634

Delta R.T. -0.009 min

Lab File: BM040556.D

Acq: 03 Jul 2023 01:38

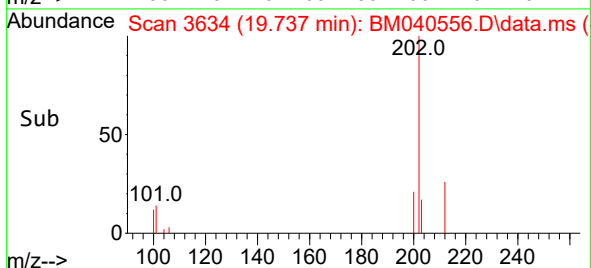
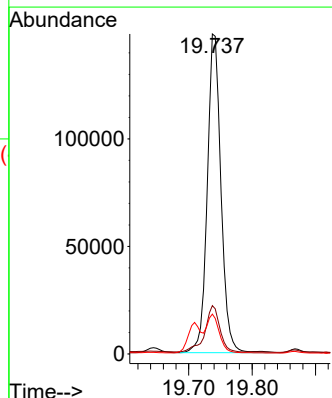
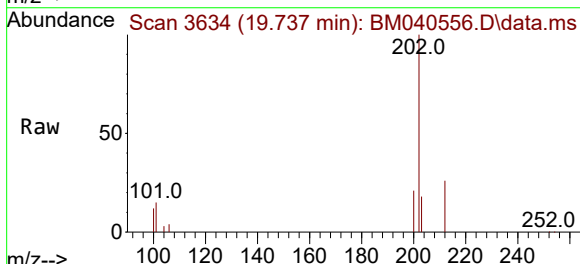
Tgt Ion:202 Resp: 222697

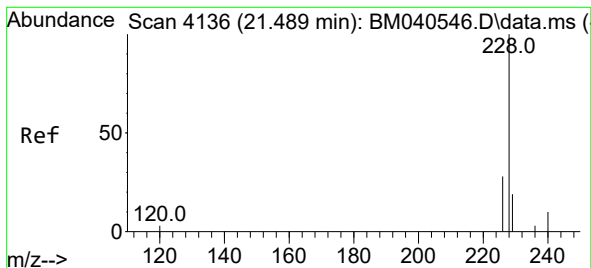
Ion Ratio Lower Upper

202 100

101 15.1 12.6 18.8

100 12.4 9.8 14.6





#21

Benzo(a)anthracene

Concen: 2.239 ng/ul

RT: 21.488 min Scan# 4136

Delta R.T. -0.003 min

Lab File: BM040556.D

Acq: 03 Jul 2023 01:38

Instrument :

BNA_M

ClientSampleId :

DCGE1

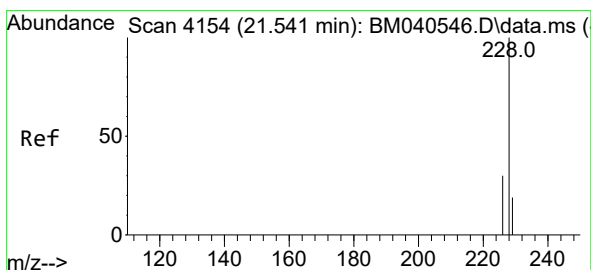
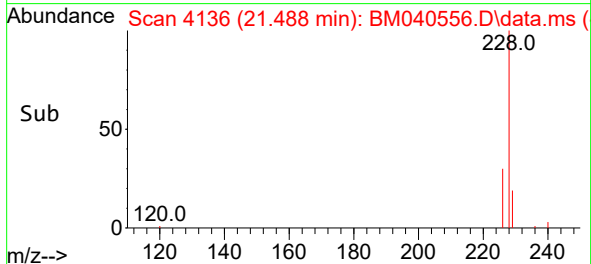
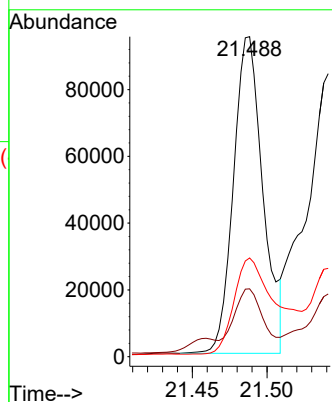
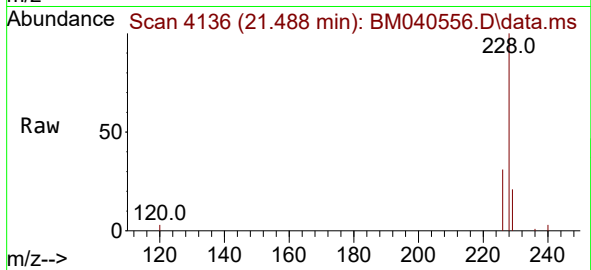
Tgt Ion:228 Resp: 130357

Ion Ratio Lower Upper

228 100

229 21.2 16.0 24.0

226 30.8 22.3 33.5



#22

Chrysene

Concen: 2.172 ng/ul

RT: 21.541 min Scan# 4154

Delta R.T. -0.003 min

Lab File: BM040556.D

Acq: 03 Jul 2023 01:38

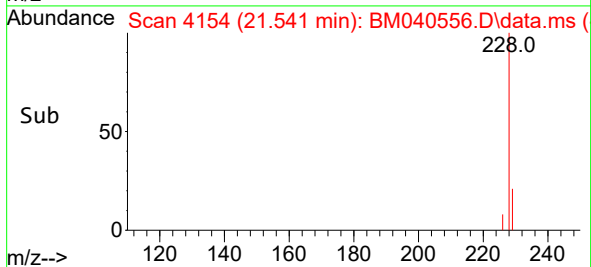
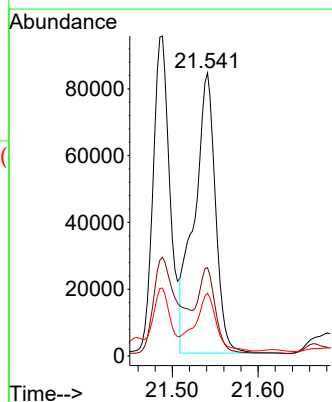
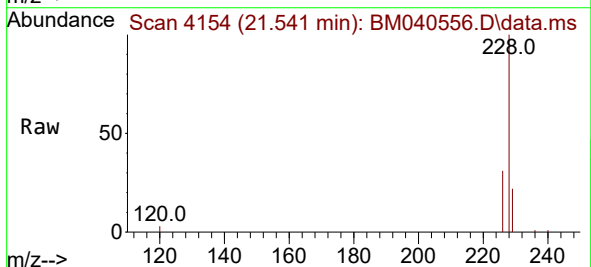
Tgt Ion:228 Resp: 144261

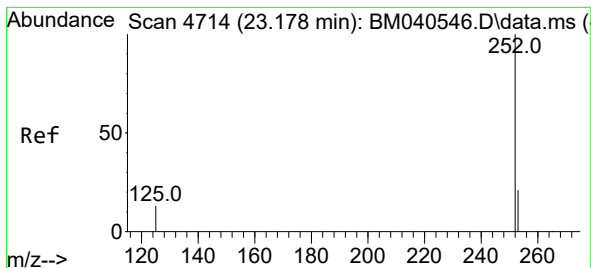
Ion Ratio Lower Upper

228 100

226 31.2 24.9 37.3

229 22.1 15.8 23.6





#24

Benzo(b)fluoranthene

Concen: 3.459 ng/ul

RT: 23.181 min Scan# 4715

Delta R.T. 0.000 min

Lab File: BM040556.D

Acq: 03 Jul 2023 01:38

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DCGE1

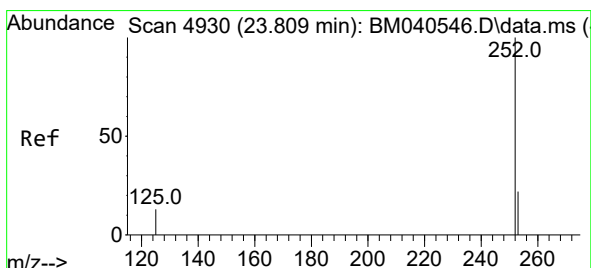
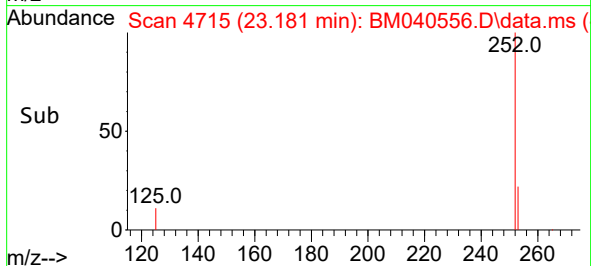
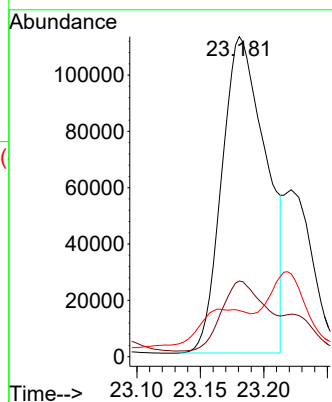
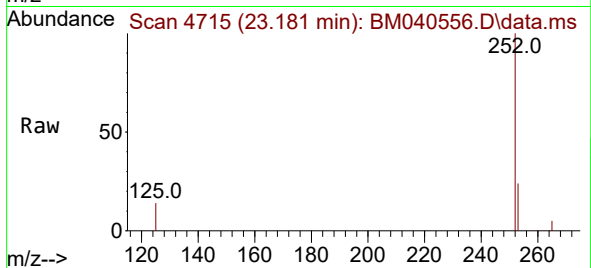
Tgt Ion:252 Resp: 270528

Ion Ratio Lower Upper

252 100

253 23.7 0.0 52.8

125 14.4 0.0 43.0



#26

Benzo(a)pyrene

Concen: 1.997 ng/ul

RT: 23.809 min Scan# 4930

Delta R.T. -0.003 min

Lab File: BM040556.D

Acq: 03 Jul 2023 01:38

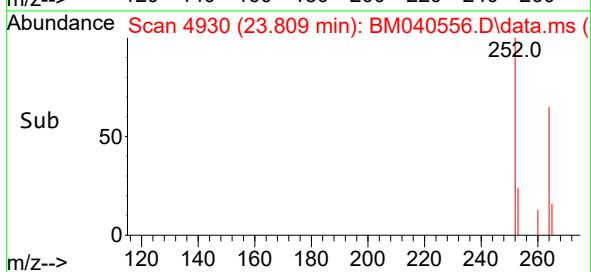
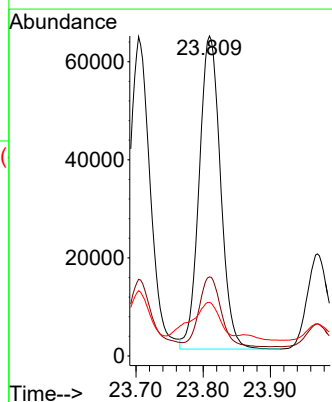
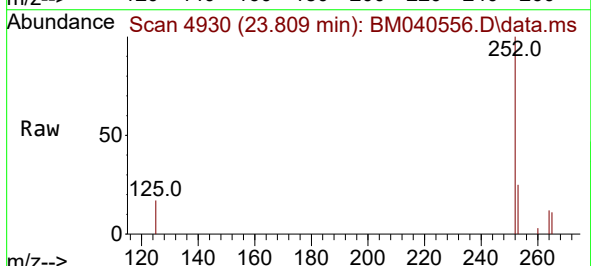
Tgt Ion:252 Resp: 140639

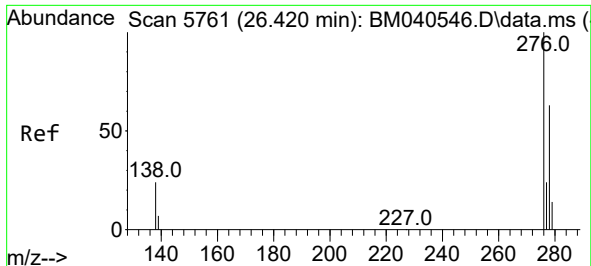
Ion Ratio Lower Upper

252 100

253 24.7 22.9 34.3

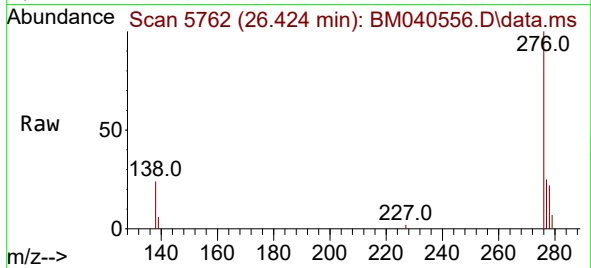
125 16.7 21.0 31.4#



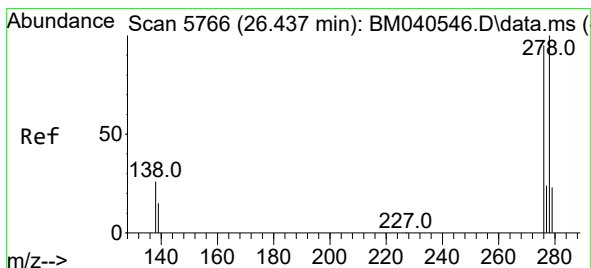
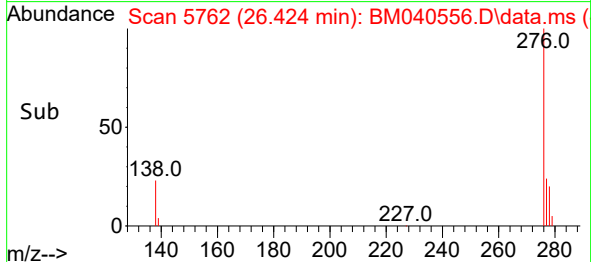
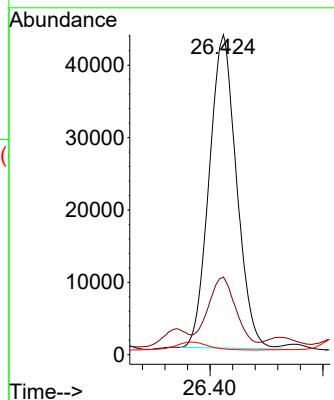


#27
 Indeno(1,2,3-cd)pyrene
 Concen: 1.487 ng/ul
 RT: 26.424 min Scan# 5761
 Delta R.T. 0.003 min
 Lab File: BM040556.D
 Acq: 03 Jul 2023 01:38

Instrument :
 BNA_M
 ClientSampleId :
 DCGE1

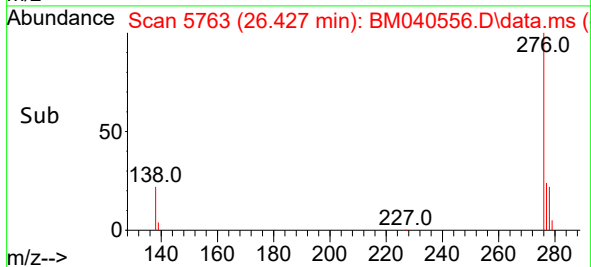
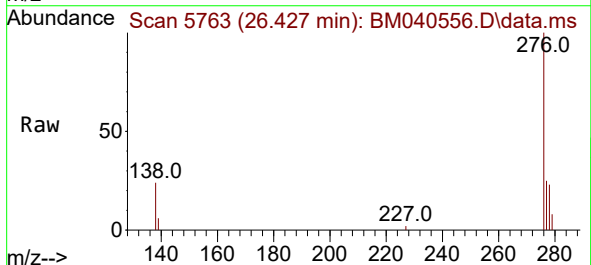
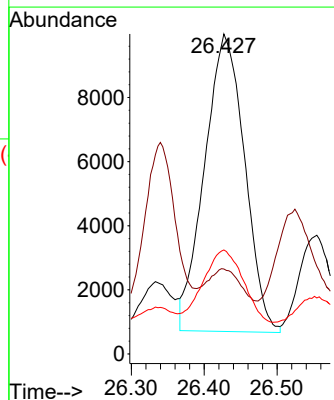


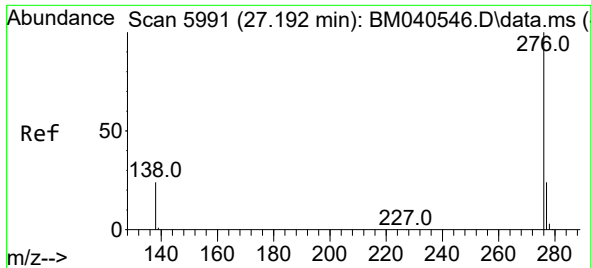
Tgt Ion:276 Resp: 145846
 Ion Ratio Lower Upper
 276 100
 138 22.1 24.5 36.7#
 227 0.0 0.1 0.1#



#28
 Dibenzo(a,h)anthracene
 Concen: 0.461 ng/ul
 RT: 26.427 min Scan# 5763
 Delta R.T. -0.010 min
 Lab File: BM040556.D
 Acq: 03 Jul 2023 01:38

Tgt Ion:278 Resp: 35440
 Ion Ratio Lower Upper
 278 100
 139 26.6 17.9 26.9
 279 32.5 22.0 33.0





#29
Benzo(g,h,i)perylene
Concen: 1.492 ng/ul
RT: 27.198 min Scan# 5993
Delta R.T. 0.013 min
Lab File: BM040556.D
Acq: 03 Jul 2023 01:38

Instrument :
BNA_M
ClientSampleId :
DCGE1

Tgt Ion:276 Resp: 128286
Ion Ratio Lower Upper
276 100
138 25.6 23.0 34.6
277 24.9 20.3 30.5

