

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070123\
 Data File : BM040517.D
 Acq On : 02 Jul 2023 00:11
 Operator : MA/JU
 Sample : 03242-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCGA1

Quant Time: Jul 02 05:16:29 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)

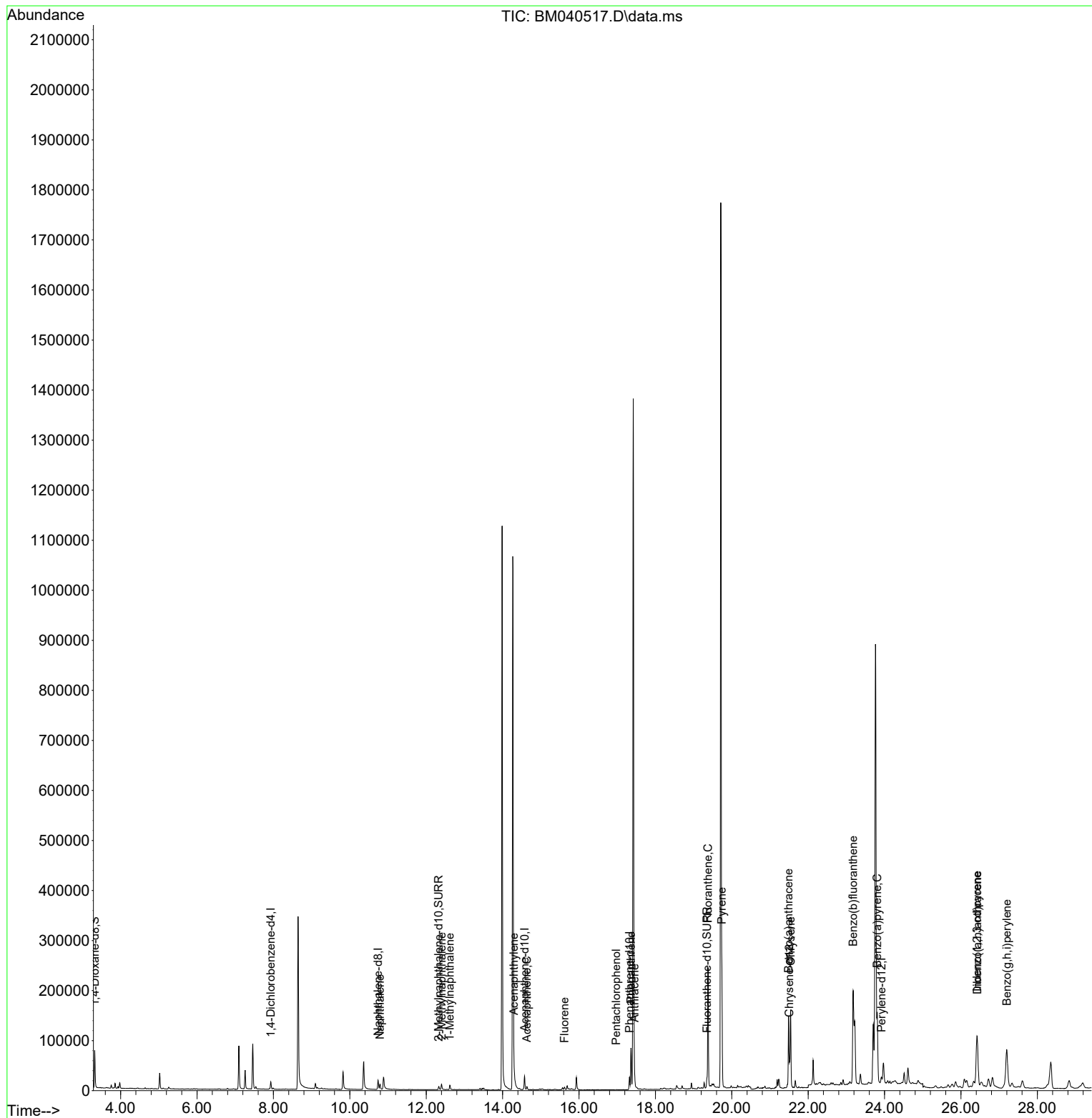
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.932	152	7765	0.400	ng/ul	0.00
4) Naphthalene-d8	10.738	136	27780	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.576	164	15554	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.322	188	31661	0.400	ng/ul	0.00
17) Chrysene-d12	21.505	240	18993	0.400	ng/ul	0.00
23) Perylene-d12	23.919	264	18468	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.321	96	44035	3.610	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.327	152	10378	0.266	ng/ul	0.00
18) Fluoranthene-d10	19.350	212	20427	0.335	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.788	128	14974	0.195	ng/ul#	96
7) 2-Methylnaphthalene	12.404	142	9169	0.204	ng/ul	97
8) 1-Methylnaphthalene	12.619	142	6660	0.148	ng/ul	100
10) Acenaphthylene	14.298	152	4969	0.072	ng/ul#	85
11) Acenaphthene	14.636	153	3881	0.066	ng/ul	97
12) Fluorene	15.621	166	3352	0.054	ng/ul#	93
14) Pentachlorophenol	16.976	266	279	0.046	ng/ul	94
15) Phenanthrene	17.360	178	93444	0.950	ng/ul	99
16) Anthracene	17.453	178	11735	0.142	ng/ul	95
19) Fluoranthene	19.378	202	205492	2.547	ng/ul	96
20) Pyrene	19.741	202	169440	1.959	ng/ul	99
21) Benzo(a)anthracene	21.484	228	125225	1.949	ng/ul	98
22) Chrysene	21.540	228	168063	2.293	ng/ul	97
24) Benzo(b)fluoranthene	23.179	252	338241	4.733	ng/ul	91
26) Benzo(a)pyrene	23.808	252	200531	3.115	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	26.419	276	198722	2.216	ng/ul#	85
28) Dibenzo(a,h)anthracene	26.429	278	49470	0.705	ng/ul	96
29) Benzo(g,h,i)perylene	27.200	276	193850	2.467	ng/ul	95

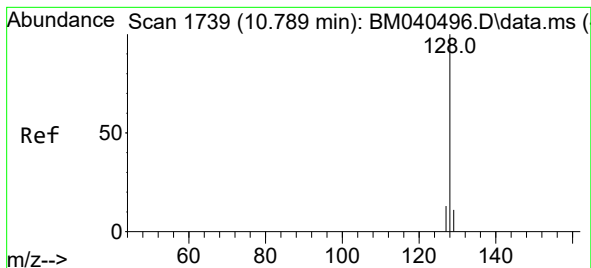
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.195 ng/ul

RT: 10.788 min Scan# 1

Delta R.T. -0.007 min

Lab File: BM040517.D

Acq: 02 Jul 2023 00:11

Instrument :

BNA_M

ClientSampleId :

DCGA1

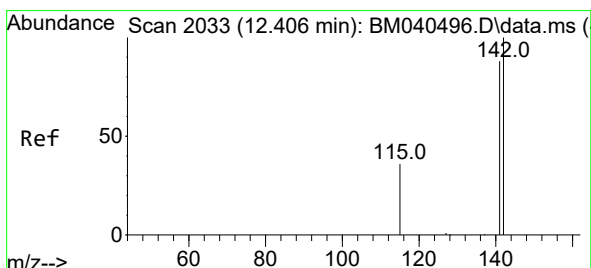
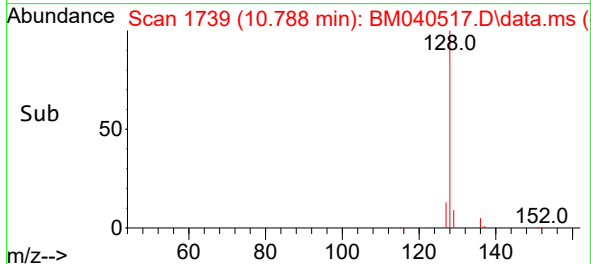
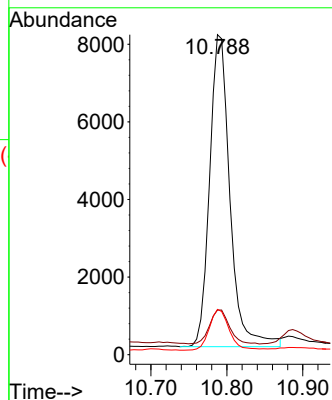
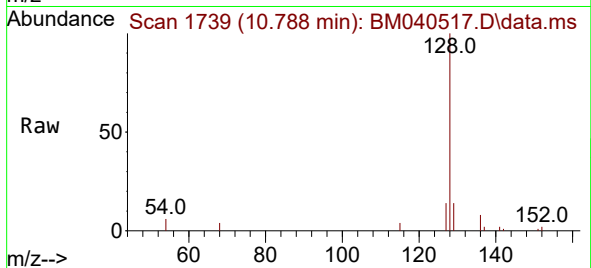
Tgt Ion:128 Resp: 14974

Ion Ratio Lower Upper

128 100

129 14.0 9.2 13.8#

127 14.1 10.6 15.8



#7

2-Methylnaphthalene

Concen: 0.204 ng/ul

RT: 12.404 min Scan# 2033

Delta R.T. -0.001 min

Lab File: BM040517.D

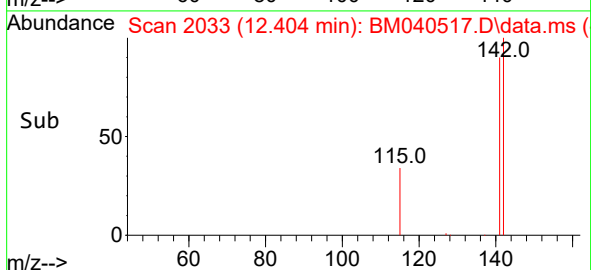
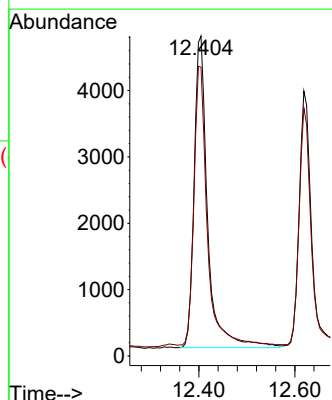
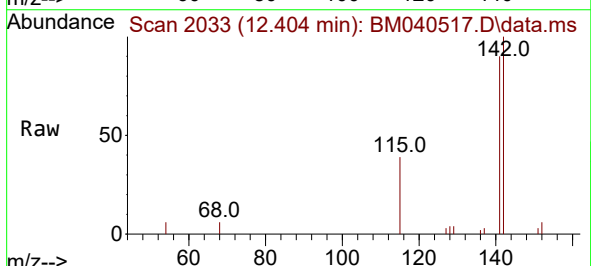
Acq: 02 Jul 2023 00:11

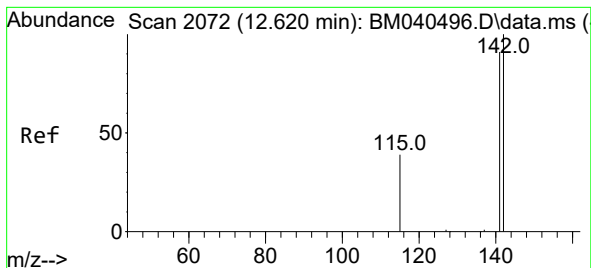
Tgt Ion:142 Resp: 9169

Ion Ratio Lower Upper

142 100

141 87.3 71.9 107.9





#8

1-Methylnaphthalene

Concen: 0.148 ng/ul

RT: 12.619 min Scan# 2072

Delta R.T. -0.007 min

Lab File: BM040517.D

Acq: 02 Jul 2023 00:11

Instrument :

BNA_M

ClientSampleId :

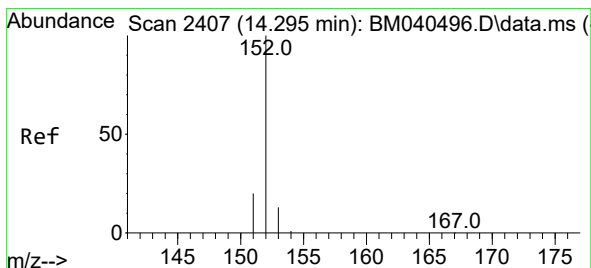
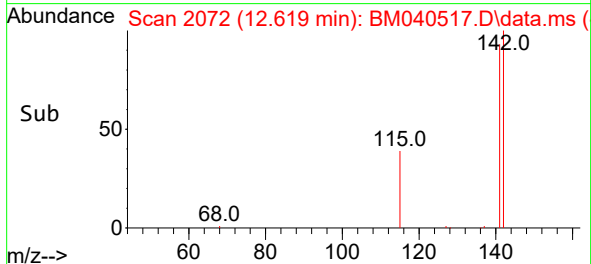
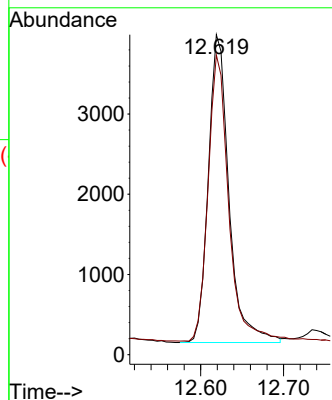
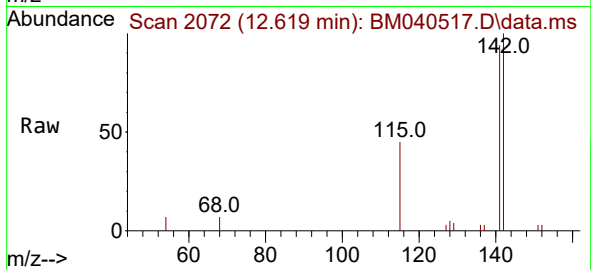
DCGA1

Tgt Ion:142 Resp: 6660

Ion Ratio Lower Upper

142 100

141 92.1 73.7 110.5



#10

Acenaphthylene

Concen: 0.072 ng/ul

RT: 14.298 min Scan# 2408

Delta R.T. -0.001 min

Lab File: BM040517.D

Acq: 02 Jul 2023 00:11

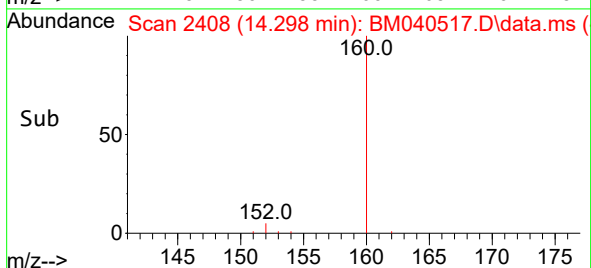
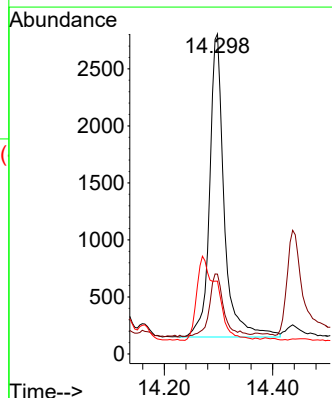
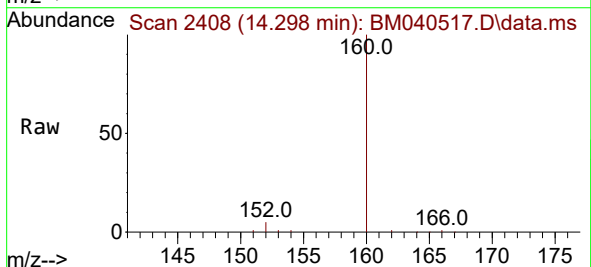
Tgt Ion:152 Resp: 4969

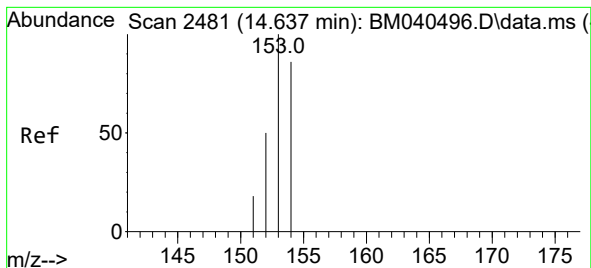
Ion Ratio Lower Upper

152 100

151 24.9 16.2 24.2#

153 22.8 10.9 16.3#





#11

Acenaphthene

Concen: 0.066 ng/ul

RT: 14.636 min Scan# 2481

Delta R.T. -0.006 min

Lab File: BM040517.D

Acq: 02 Jul 2023 00:11

Instrument :

BNA_M

ClientSampleId :

DCGA1

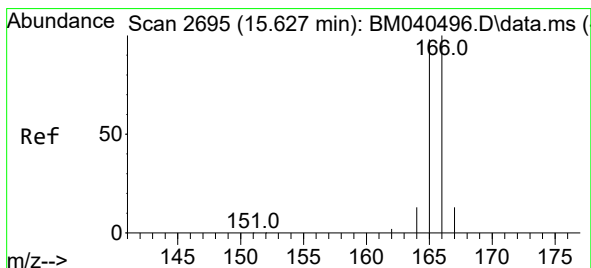
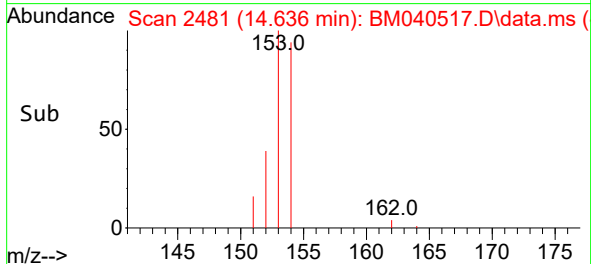
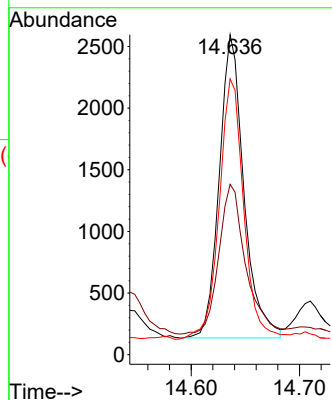
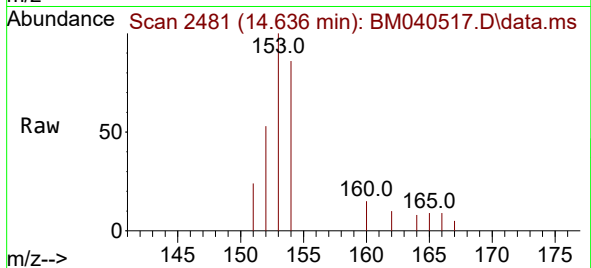
Tgt Ion:153 Resp: 3881

Ion Ratio Lower Upper

153 100

152 53.2 41.0 61.4

154 86.2 70.8 106.2



#12

Fluorene

Concen: 0.054 ng/ul

RT: 15.621 min Scan# 2694

Delta R.T. -0.011 min

Lab File: BM040517.D

Acq: 02 Jul 2023 00:11

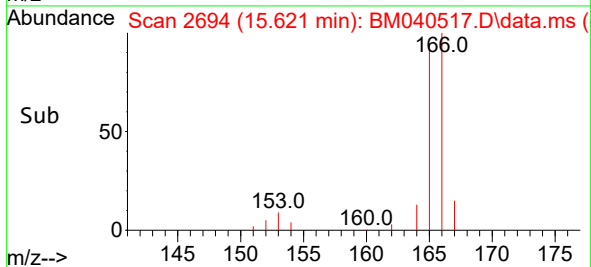
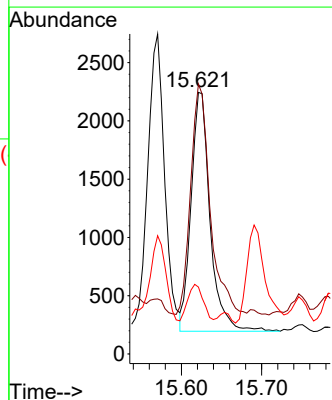
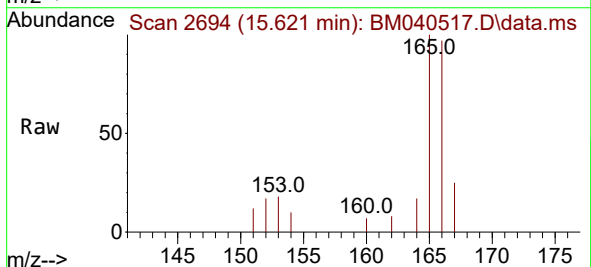
Tgt Ion:166 Resp: 3352

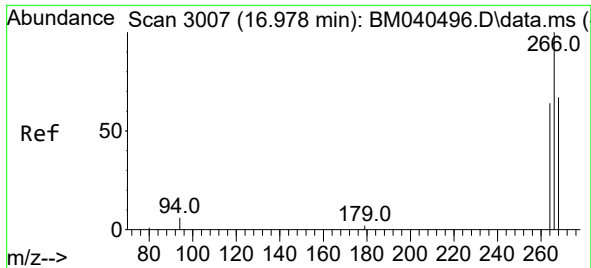
Ion Ratio Lower Upper

166 100

165 103.2 79.6 119.4

167 25.6 11.4 17.0#

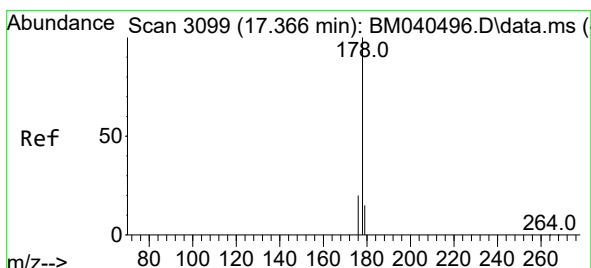
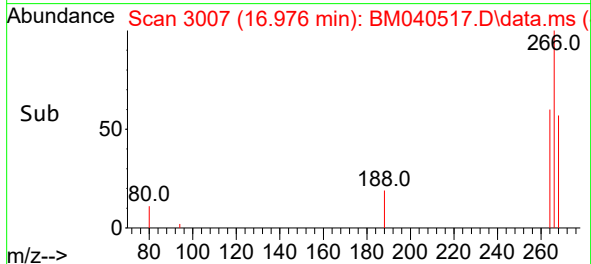
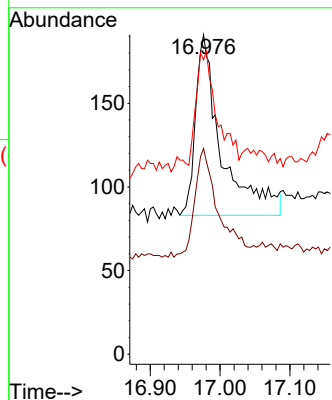
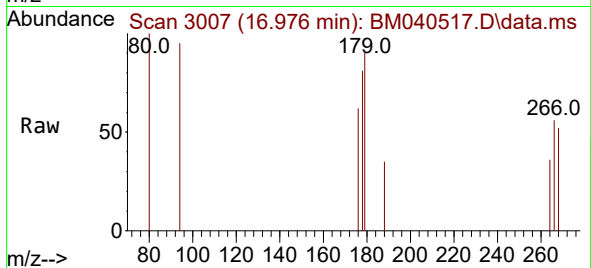




#14
Pentachlorophenol
Concen: 0.046 ng/ul
RT: 16.976 min Scan# 3007
Delta R.T. -0.005 min
Lab File: BM040517.D
Acq: 02 Jul 2023 00:11

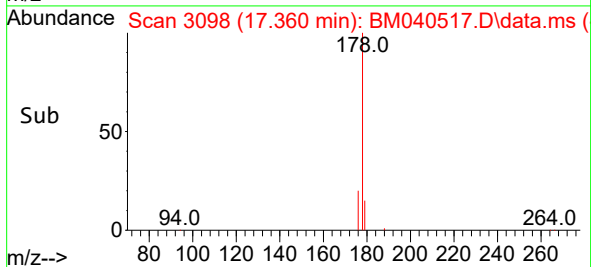
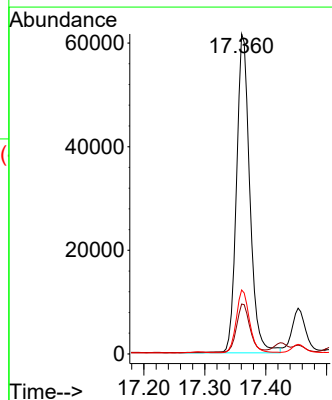
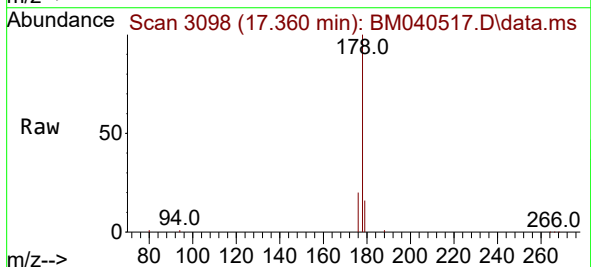
Instrument :
BNA_M
ClientSampleId :
DCGA1

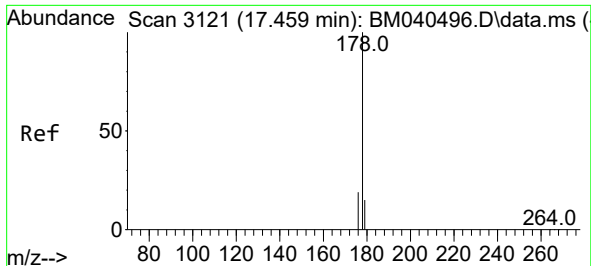
Tgt Ion:266 Resp: 279
Ion Ratio Lower Upper
266 100
264 59.9 45.4 68.0
268 53.4 47.2 70.8



#15
Phenanthrene
Concen: 0.950 ng/ul
RT: 17.360 min Scan# 3098
Delta R.T. -0.010 min
Lab File: BM040517.D
Acq: 02 Jul 2023 00:11

Tgt Ion:178 Resp: 93444
Ion Ratio Lower Upper
178 100
179 15.6 12.8 19.2
176 20.0 16.4 24.6

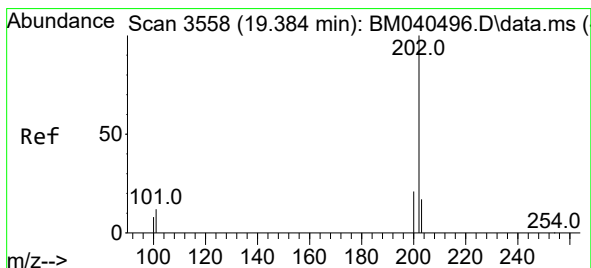
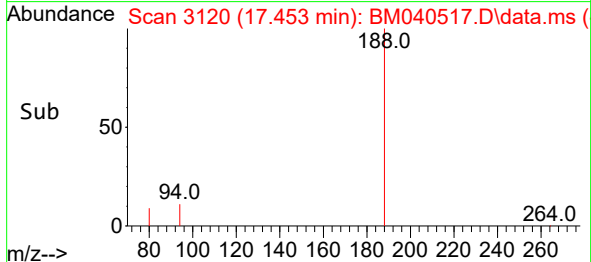
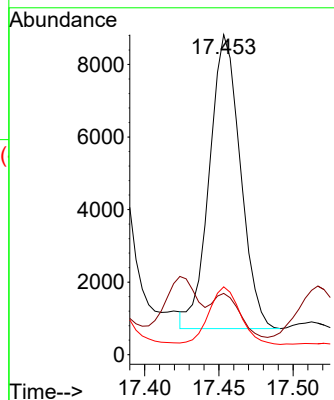
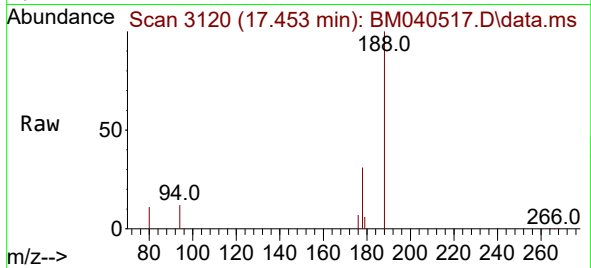




#16
 Anthracene
 Concen: 0.142 ng/ul
 RT: 17.453 min Scan# 3120
 Delta R.T. -0.010 min
 Lab File: BM040517.D
 Acq: 02 Jul 2023 00:11

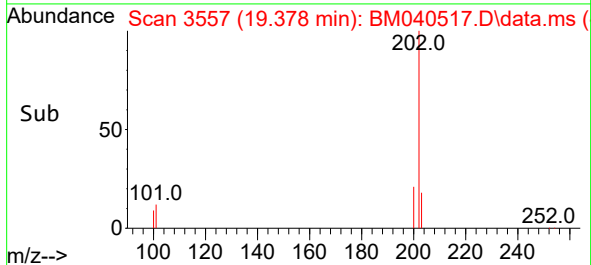
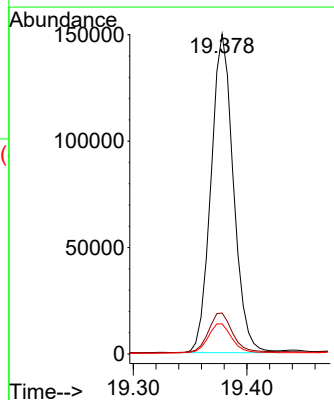
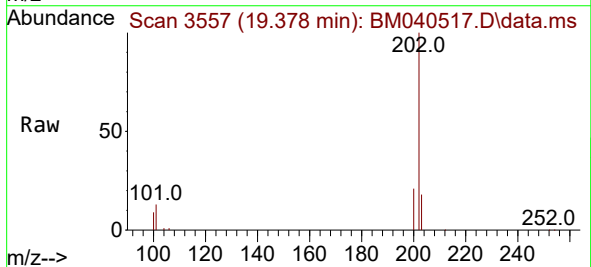
Instrument :
 BNA_M
 ClientSampleId :
 DCGA1

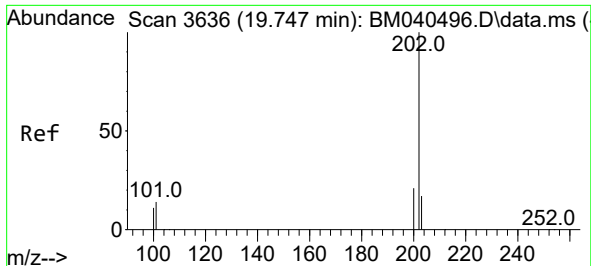
Tgt Ion:178 Resp: 11735
 Ion Ratio Lower Upper
 178 100
 179 19.1 12.9 19.3
 176 21.2 15.8 23.6



#19
 Fluoranthene
 Concen: 2.547 ng/ul
 RT: 19.378 min Scan# 3557
 Delta R.T. -0.006 min
 Lab File: BM040517.D
 Acq: 02 Jul 2023 00:11

Tgt Ion:202 Resp: 205492
 Ion Ratio Lower Upper
 202 100
 101 12.8 11.4 17.0
 100 9.4 8.7 13.1

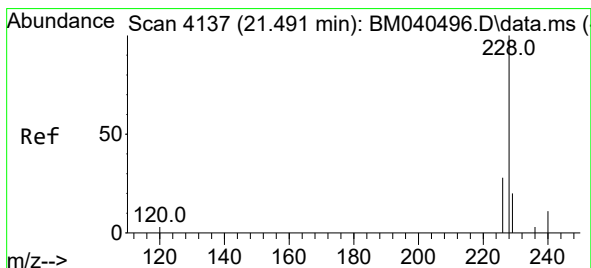
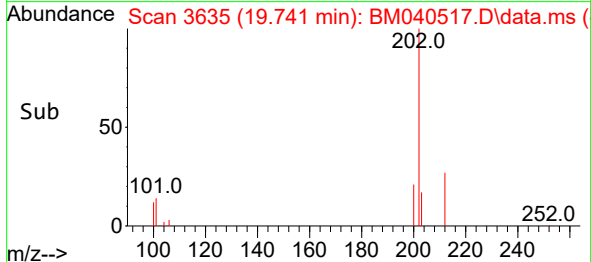
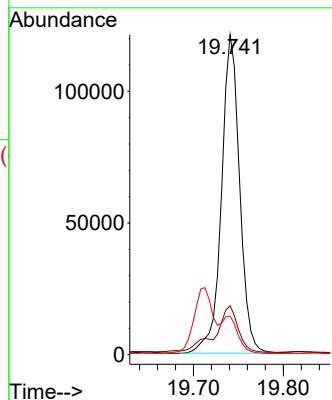
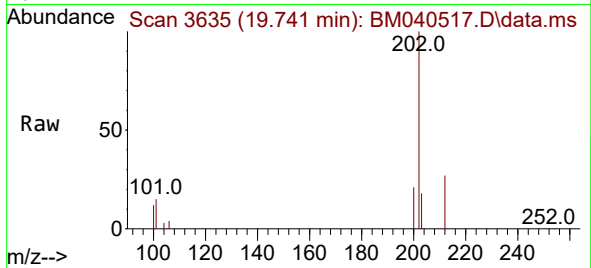




#20
Pyrene
Concen: 1.959 ng/ul
RT: 19.741 min Scan# 3635
Delta R.T. -0.006 min
Lab File: BM040517.D
Acq: 02 Jul 2023 00:11

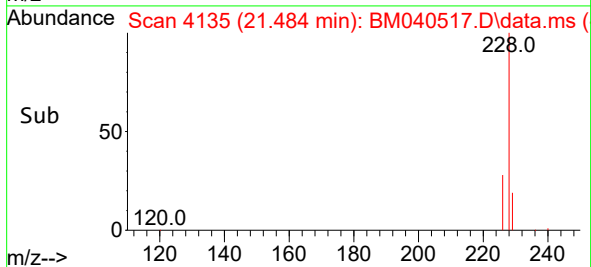
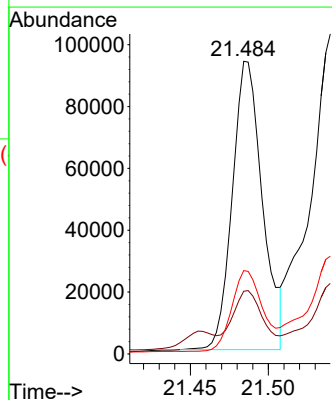
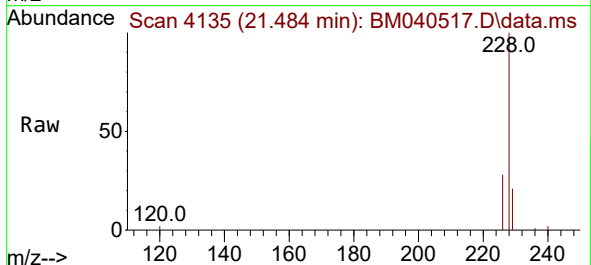
Instrument :
BNA_M
ClientSampleId :
DCGA1

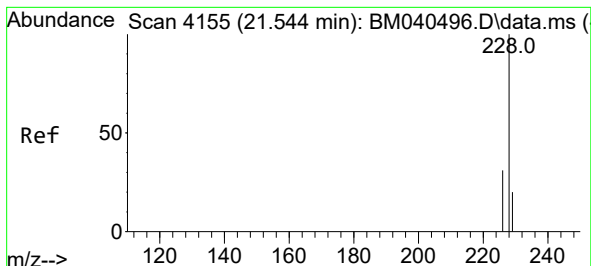
Tgt Ion:202 Resp: 169440
Ion Ratio Lower Upper
202 100
101 15.3 12.6 18.8
100 12.0 9.8 14.6



#21
Benzo(a)anthracene
Concen: 1.949 ng/ul
RT: 21.484 min Scan# 4135
Delta R.T. -0.007 min
Lab File: BM040517.D
Acq: 02 Jul 2023 00:11

Tgt Ion:228 Resp: 125225
Ion Ratio Lower Upper
228 100
229 21.4 16.0 24.0
226 28.5 22.3 33.5





#22

Chrysene

Concen: 2.293 ng/ul

RT: 21.540 min Scan# 4155

Delta R.T. -0.004 min

Lab File: BM040517.D

Acq: 02 Jul 2023 00:11

Instrument :

BNA_M

ClientSampleId :

DCGA1

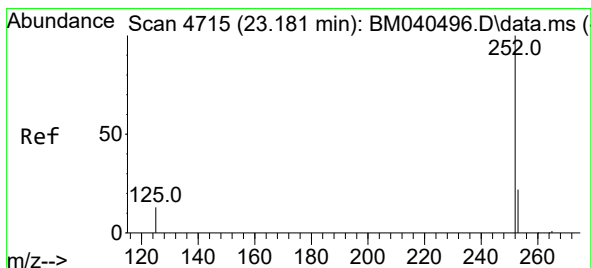
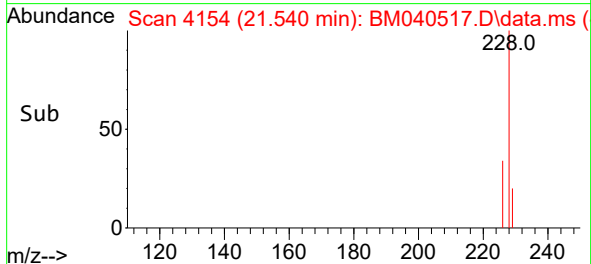
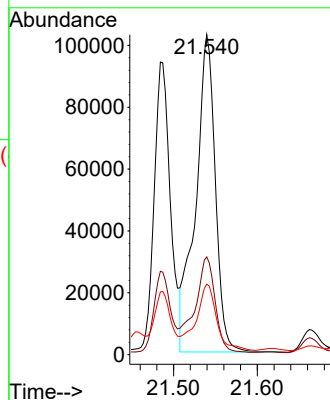
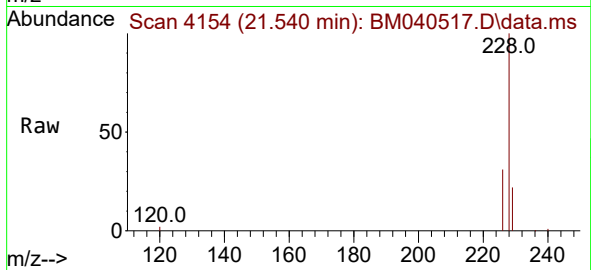
Tgt Ion:228 Resp: 168063

Ion Ratio Lower Upper

228 100

226 30.6 24.9 37.3

229 22.1 15.8 23.6



#24

Benzo(b)fluoranthene

Concen: 4.733 ng/ul

RT: 23.179 min Scan# 4715

Delta R.T. -0.001 min

Lab File: BM040517.D

Acq: 02 Jul 2023 00:11

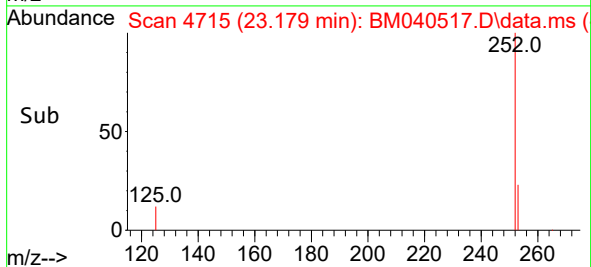
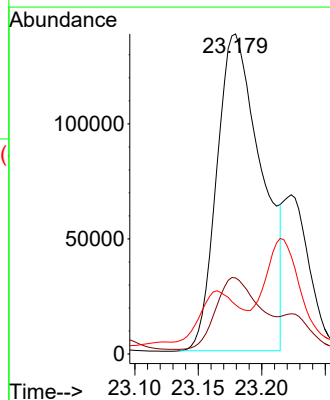
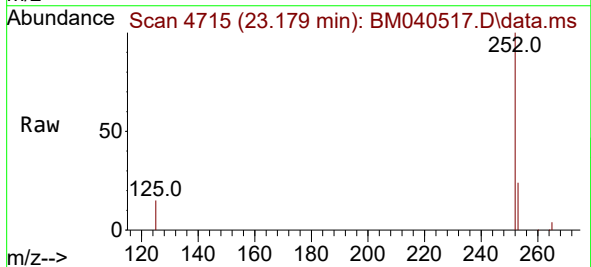
Tgt Ion:252 Resp: 338241

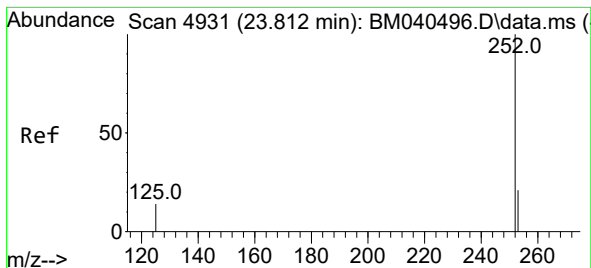
Ion Ratio Lower Upper

252 100

253 23.8 0.0 52.8

125 15.4 0.0 43.0





#26

Benzo(a)pyrene

Concen: 3.115 ng/ul

RT: 23.808 min Scan# 4931

Delta R.T. -0.004 min

Lab File: BM040517.D

Acq: 02 Jul 2023 00:11

Instrument :

BNA_M

ClientSampleId :

DCGA1

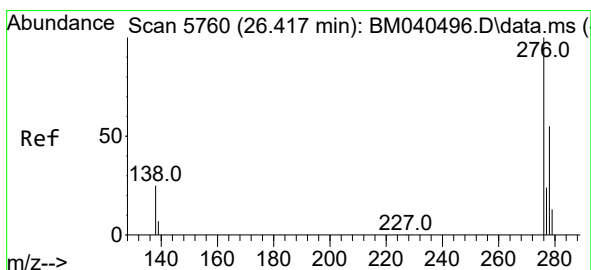
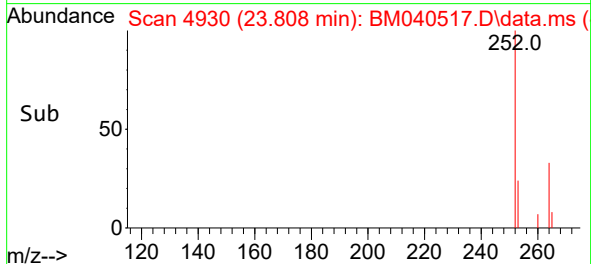
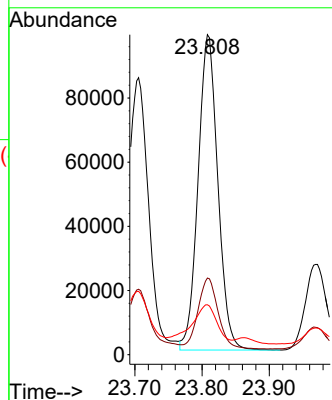
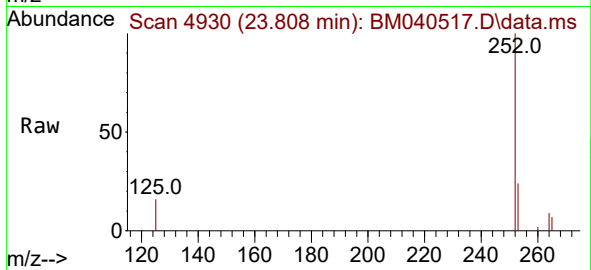
Tgt Ion:252 Resp: 200531

Ion Ratio Lower Upper

252 100

253 24.0 22.9 34.3

125 15.6 21.0 31.4#



#27

Indeno(1,2,3-cd)pyrene

Concen: 2.216 ng/ul

RT: 26.419 min Scan# 5761

Delta R.T. -0.001 min

Lab File: BM040517.D

Acq: 02 Jul 2023 00:11

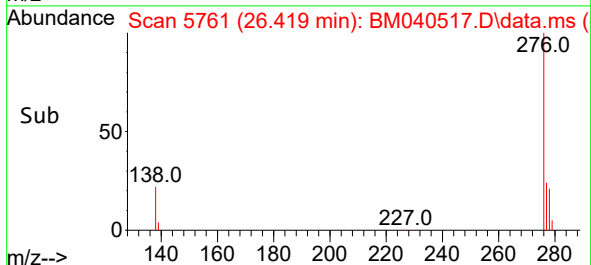
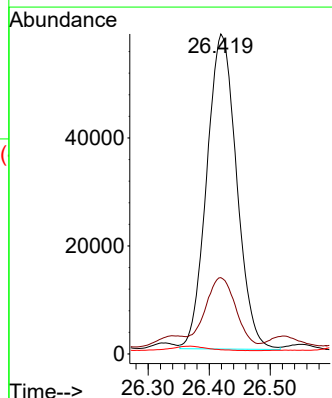
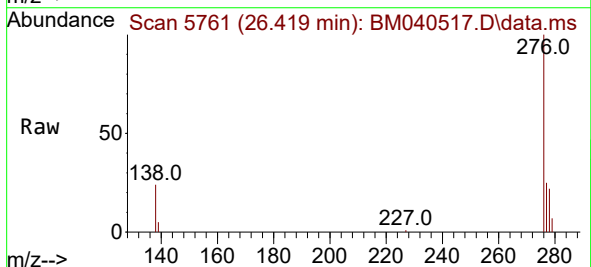
Tgt Ion:276 Resp: 198722

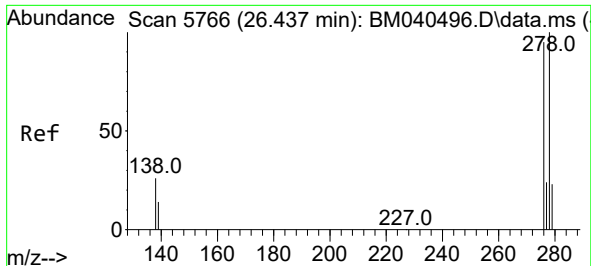
Ion Ratio Lower Upper

276 100

138 22.2 24.5 36.7#

227 0.0 0.1 0.1#

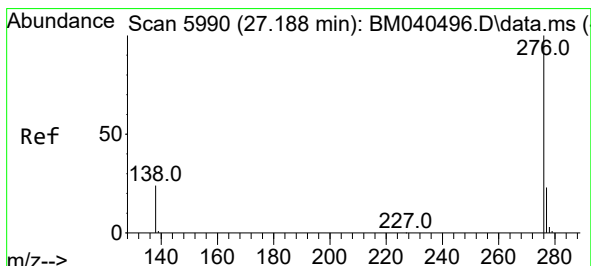
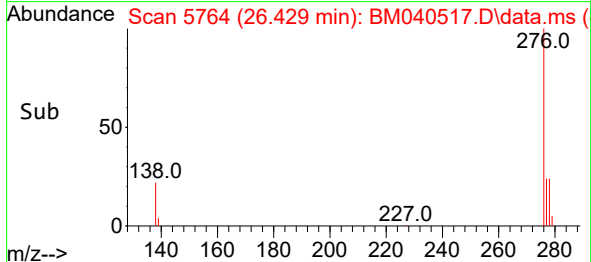
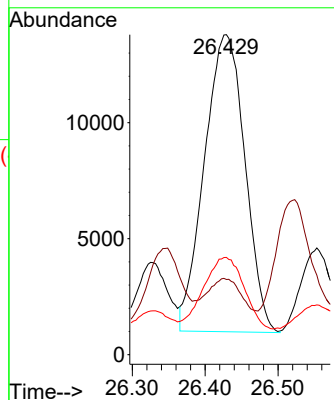
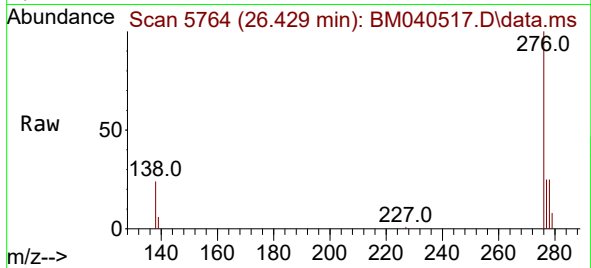




#28
 Dibenzo(a,h)anthracene
 Concen: 0.705 ng/ul
 RT: 26.429 min Scan# 51
 Delta R.T. -0.008 min
 Lab File: BM040517.D
 Acq: 02 Jul 2023 00:11

Instrument :
 BNA_M
 ClientSampleId :
 DCGA1

Tgt Ion:278 Resp: 49470
 Ion Ratio Lower Upper
 278 100
 139 23.5 17.9 26.9
 279 30.4 22.0 33.0



#29
 Benzo(g,h,i)perylene
 Concen: 2.467 ng/ul
 RT: 27.200 min Scan# 5994
 Delta R.T. 0.016 min
 Lab File: BM040517.D
 Acq: 02 Jul 2023 00:11

Tgt Ion:276 Resp: 193850
 Ion Ratio Lower Upper
 276 100
 138 24.7 23.0 34.6
 277 24.4 20.3 30.5

