

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070323\
 Data File : BM040576.D
 Acq On : 03 Jul 2023 15:34
 Operator : MA/JU
 Sample : 03245-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCGA4

Quant Time: Jul 03 18:34:58 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 : Mon Jul 03 13:40:38 2023
 Response via : Initial Calibration

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

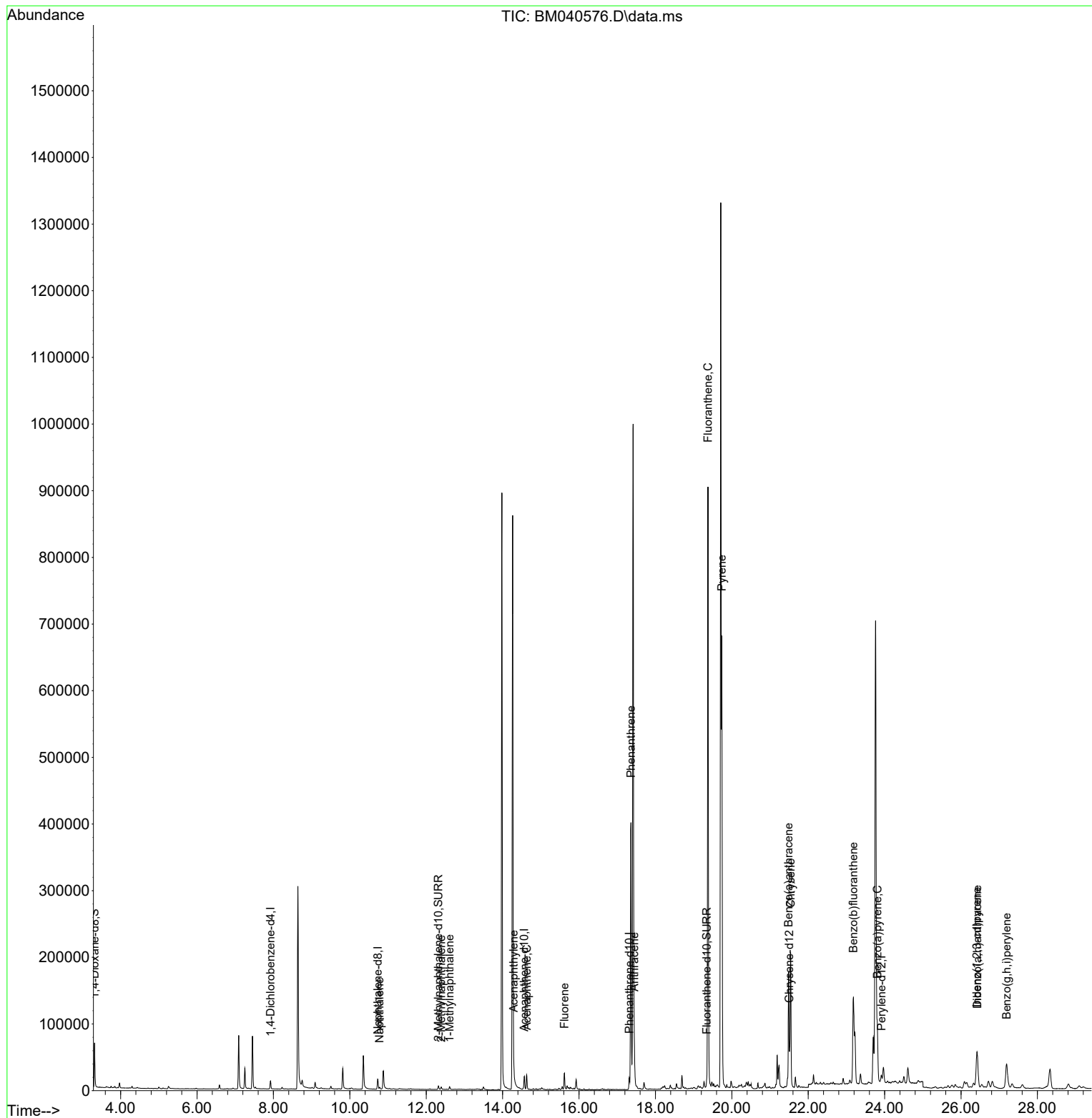
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.923	152	6191	0.400	ng/ul	0.00
4) Naphthalene-d8	10.728	136	21956	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.568	164	11248	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.315	188	22146	0.400	ng/ul	0.00
17) Chrysene-d12	21.503	240	13839	0.400	ng/ul	0.00
23) Perylene-d12	23.914	264	15072	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.316	96	38053	3.913	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.318	152	8266	0.269	ng/ul	0.00
18) Fluoranthene-d10	19.342	212	14664	0.331	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.778	128	3422	0.057	ng/ul#	84
7) 2-Methylnaphthalene	12.395	142	3063	0.086	ng/ul	99
8) 1-Methylnaphthalene	12.609	142	3234	0.091	ng/ul	98
10) Acenaphthylene	14.290	152	10589	0.211	ng/ul	96
11) Acenaphthene	14.628	153	12965	0.306	ng/ul	98
12) Fluorene	15.618	166	16771	0.370	ng/ul	98
15) Phenanthrene	17.357	178	466235	6.778	ng/ul	98
16) Anthracene	17.446	178	33578	0.581	ng/ul#	96
19) Fluoranthene	19.375	202	787582	13.398	ng/ul	94
20) Pyrene	19.737	202	526911	8.361	ng/ul	98
21) Benzo(a)anthracene	21.485	228	159083	3.398	ng/ul	98
22) Chrysene	21.538	228	216969	4.063	ng/ul	98
24) Benzo(b)fluoranthene	23.181	252	255412	4.379	ng/ul	90
26) Benzo(a)pyrene	23.809	252	128231	2.441	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	26.417	276	102684	1.403	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.424	278	26630	0.465	ng/ul#	89
29) Benzo(g,h,i)perylene	27.192	276	90312	1.408	ng/ul	98

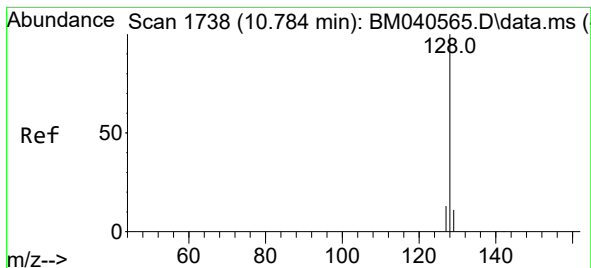
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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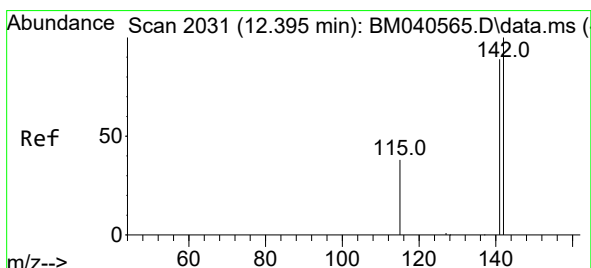
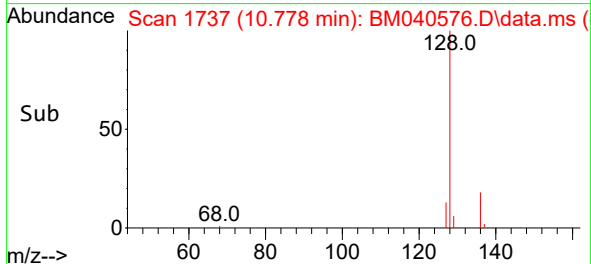
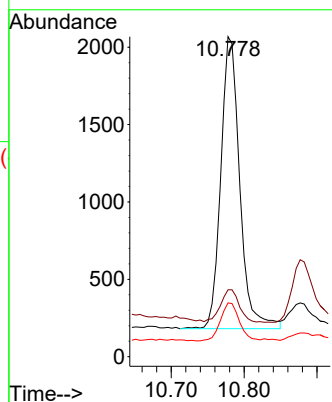
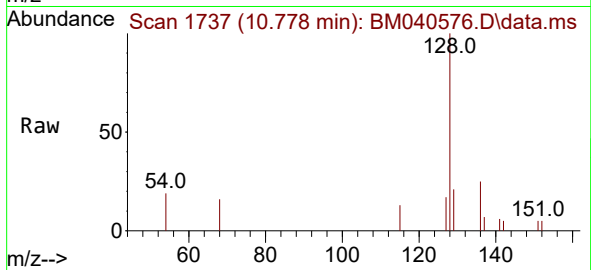




#5
Naphthalene
Concen: 0.057 ng/ul
RT: 10.778 min Scan# 1737
Delta R.T. -0.006 min
Lab File: BM040576.D
Acq: 03 Jul 2023 15:34

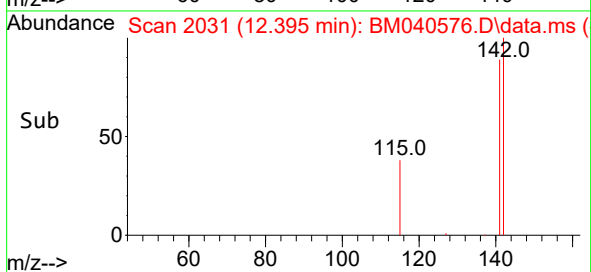
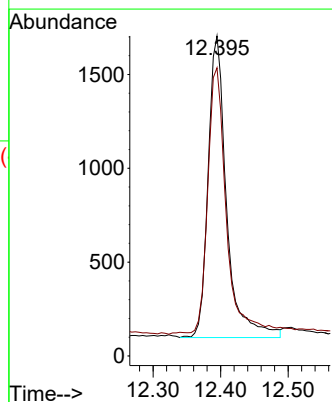
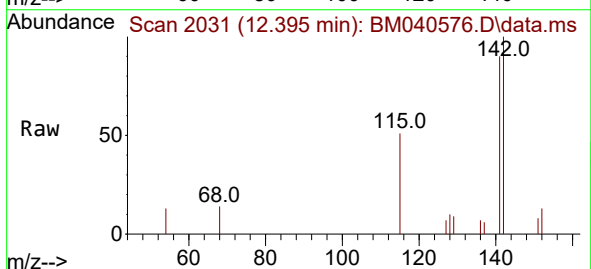
Instrument :
BNA_M
ClientSampleId :
DCGA4

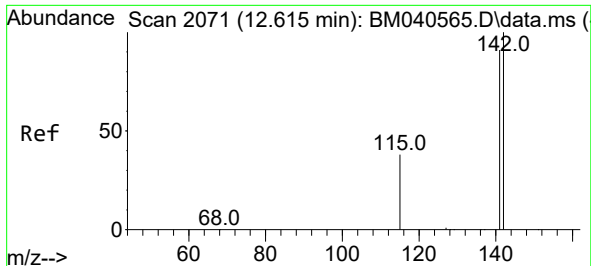
Tgt Ion:128 Resp: 3422
Ion Ratio Lower Upper
128 100
129 20.9 9.2 13.8#
127 16.8 10.6 15.8#



#7
2-Methylnaphthalene
Concen: 0.086 ng/ul
RT: 12.395 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BM040576.D
Acq: 03 Jul 2023 15:34

Tgt Ion:142 Resp: 3063
Ion Ratio Lower Upper
142 100
141 89.4 71.9 107.9

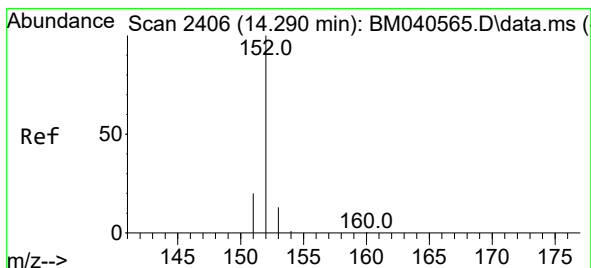
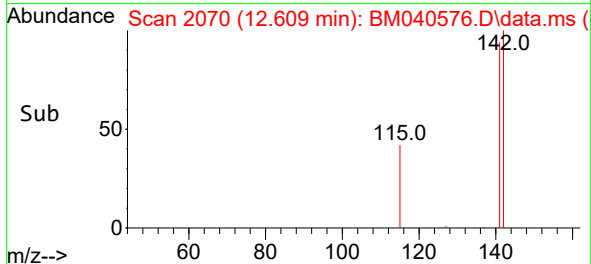
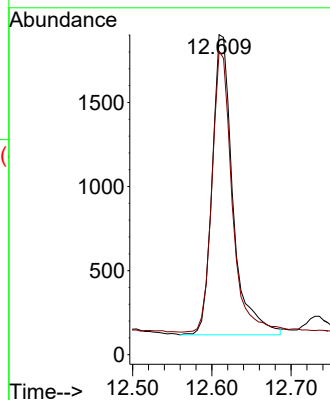
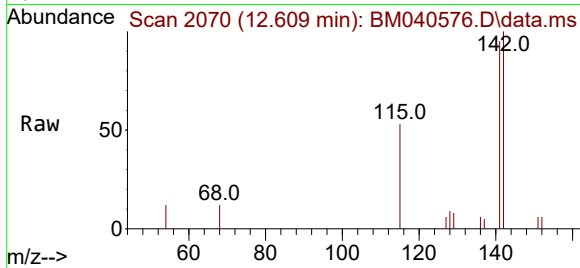




#8
1-Methylnaphthalene
Concen: 0.091 ng/ul
RT: 12.609 min Scan# 2071
Delta R.T. -0.006 min
Lab File: BM040576.D
Acq: 03 Jul 2023 15:34

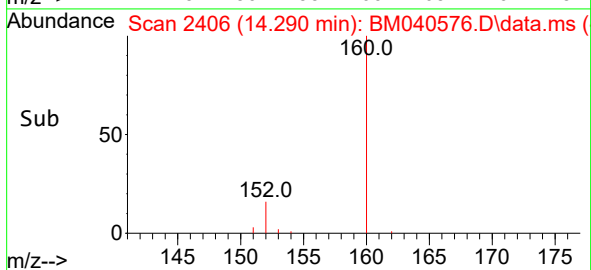
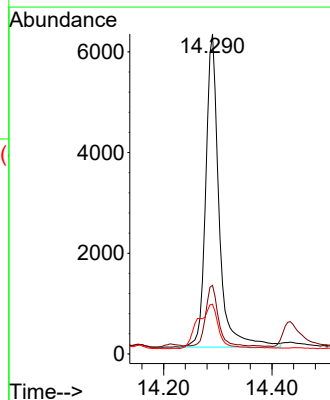
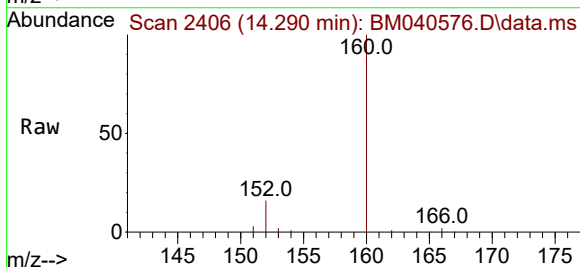
Instrument :
BNA_M
ClientSampleId :
DCGA4

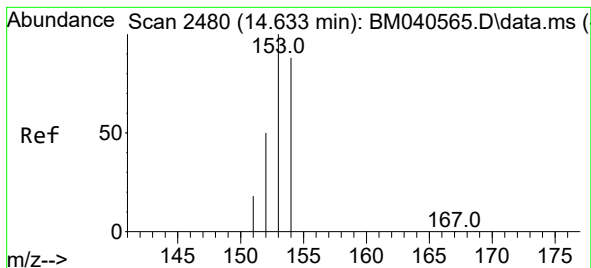
Tgt Ion:142 Resp: 3234
Ion Ratio Lower Upper
142 100
141 90.5 73.7 110.5



#10
Acenaphthylene
Concen: 0.211 ng/ul
RT: 14.290 min Scan# 2406
Delta R.T. -0.000 min
Lab File: BM040576.D
Acq: 03 Jul 2023 15:34

Tgt Ion:152 Resp: 10589
Ion Ratio Lower Upper
152 100
151 21.4 16.2 24.2
153 15.6 10.9 16.3





#11

Acenaphthene

Concen: 0.306 ng/ul

RT: 14.628 min Scan# 2480

Delta R.T. -0.005 min

Lab File: BM040576.D

Acq: 03 Jul 2023 15:34

Instrument :

BNA_M

ClientSampleId :

DCGA4

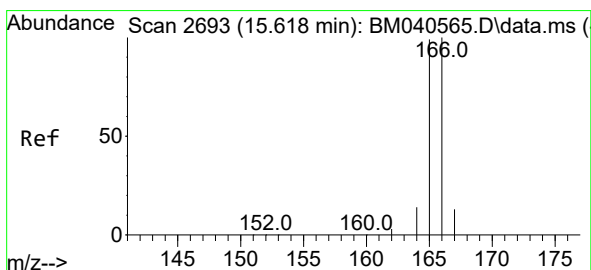
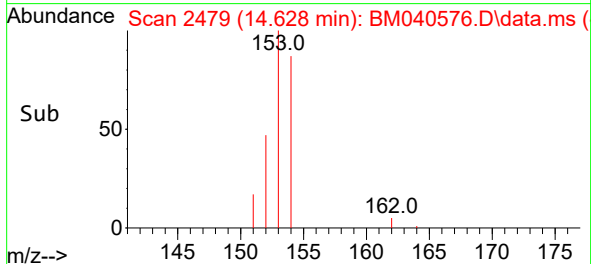
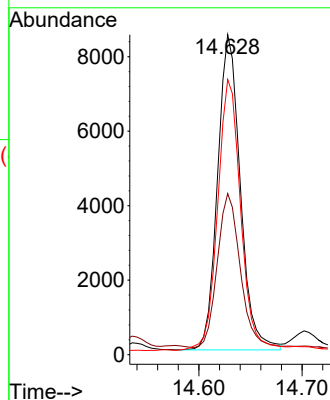
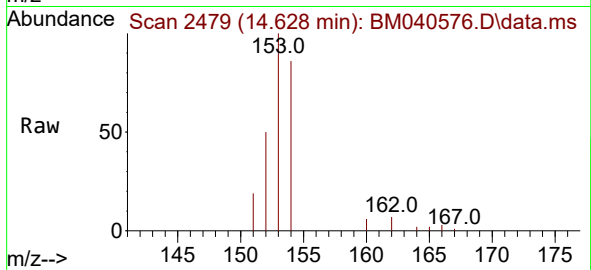
Tgt Ion:153 Resp: 12965

Ion Ratio Lower Upper

153 100

152 50.3 41.0 61.4

154 86.0 70.8 106.2



#12

Fluorene

Concen: 0.370 ng/ul

RT: 15.618 min Scan# 2693

Delta R.T. -0.000 min

Lab File: BM040576.D

Acq: 03 Jul 2023 15:34

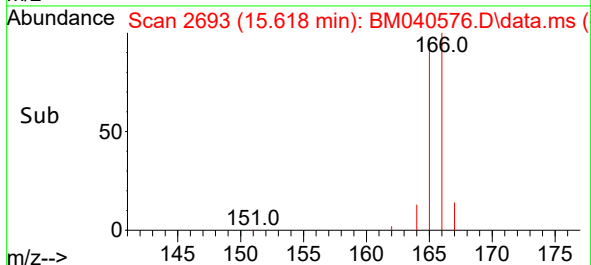
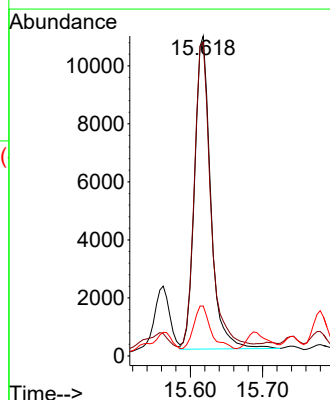
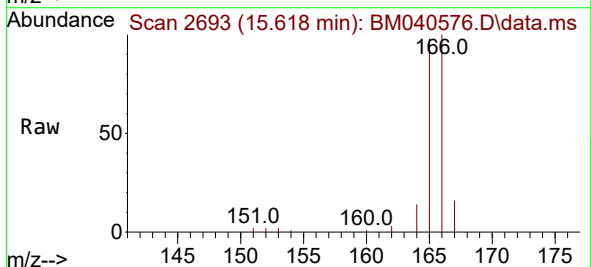
Tgt Ion:166 Resp: 16771

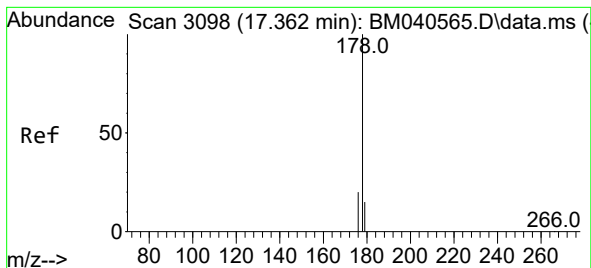
Ion Ratio Lower Upper

166 100

165 98.0 79.6 119.4

167 15.6 11.4 17.0





#15

Phenanthrene

Concen: 6.778 ng/ul

RT: 17.357 min Scan# 3097

Delta R.T. -0.004 min

Lab File: BM040576.D

Acq: 03 Jul 2023 15:34

Instrument :

BNA_M

ClientSampleId :

DCGA4

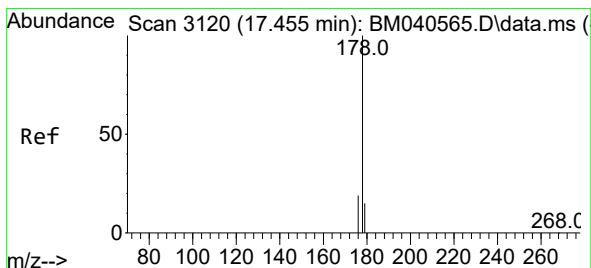
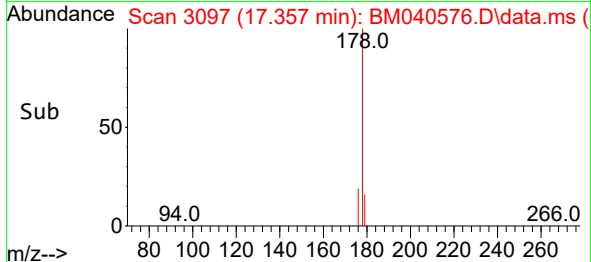
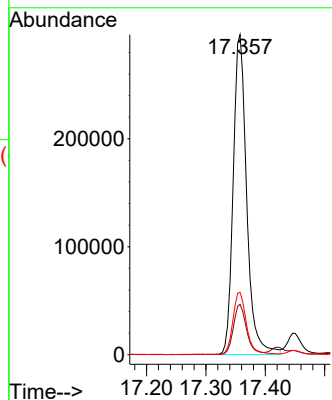
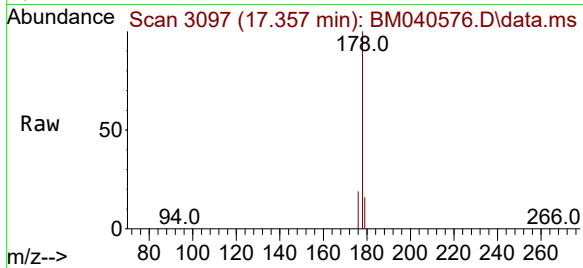
Tgt Ion:178 Resp: 466235

Ion Ratio Lower Upper

178 100

179 15.7 12.8 19.2

176 19.5 16.4 24.6



#16

Anthracene

Concen: 0.581 ng/ul

RT: 17.446 min Scan# 3118

Delta R.T. -0.009 min

Lab File: BM040576.D

Acq: 03 Jul 2023 15:34

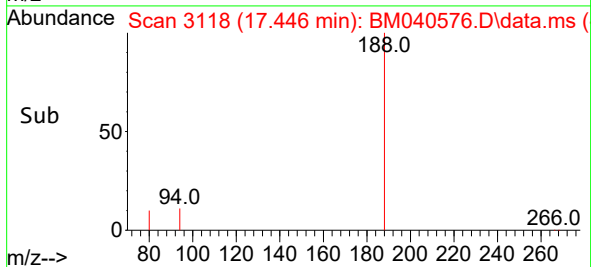
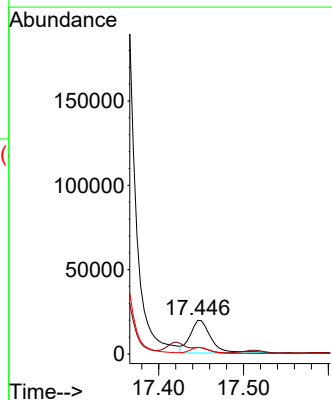
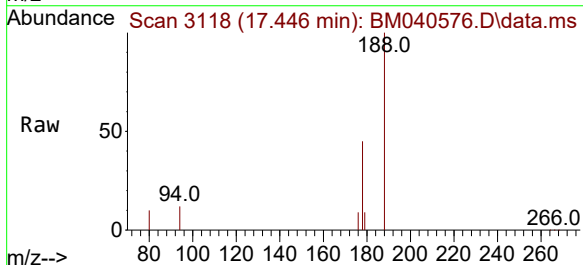
Tgt Ion:178 Resp: 33578

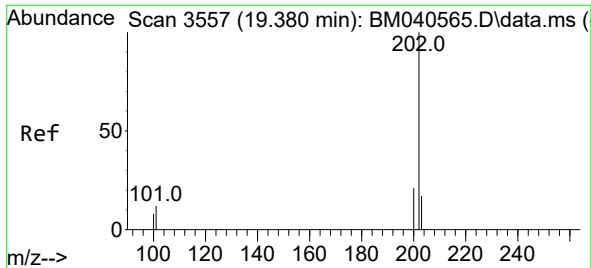
Ion Ratio Lower Upper

178 100

179 19.5 12.9 19.3#

176 19.7 15.8 23.6

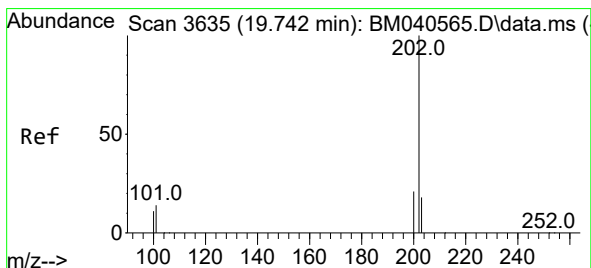
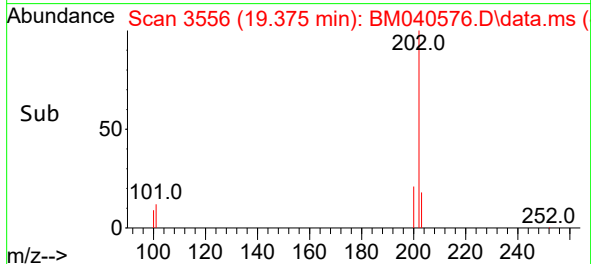
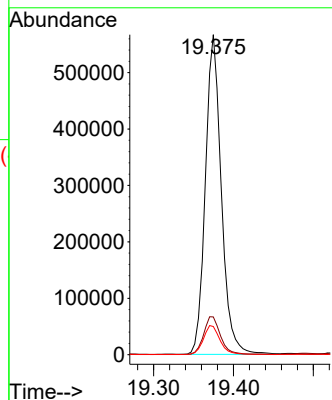
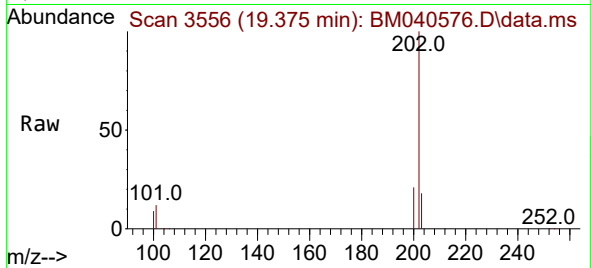




#19
Fluoranthene
Concen: 13.398 ng/ul
RT: 19.375 min Scan# 3556
Delta R.T. -0.005 min
Lab File: BM040576.D
Acq: 03 Jul 2023 15:34

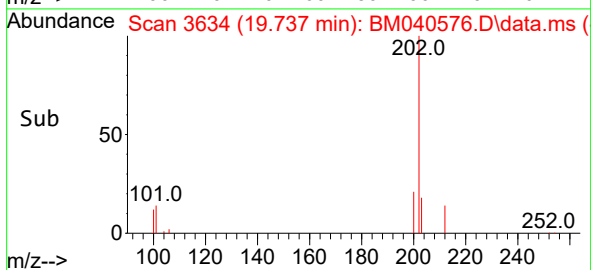
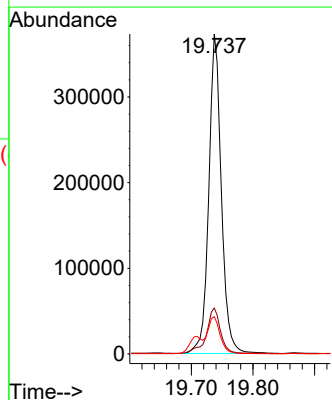
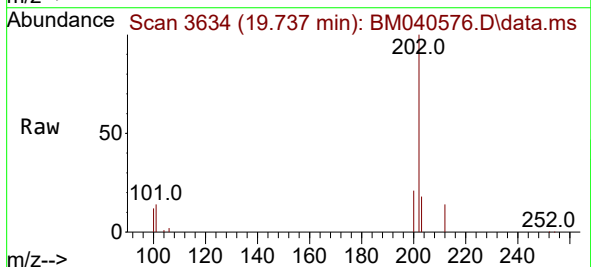
Instrument :
BNA_M
ClientSampleId :
DCGA4

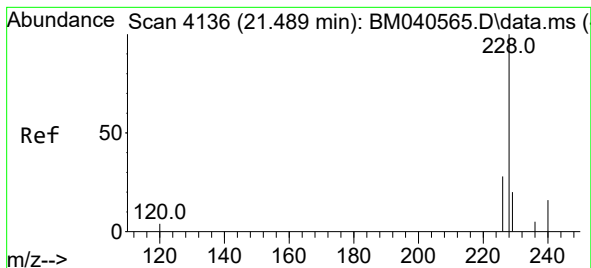
Tgt Ion:202 Resp: 787582
Ion Ratio Lower Upper
202 100
101 11.8 11.4 17.0
100 8.8 8.7 13.1



#20
Pyrene
Concen: 8.361 ng/ul
RT: 19.737 min Scan# 3634
Delta R.T. -0.005 min
Lab File: BM040576.D
Acq: 03 Jul 2023 15:34

Tgt Ion:202 Resp: 526911
Ion Ratio Lower Upper
202 100
101 14.4 12.6 18.8
100 11.7 9.8 14.6





#21

Benzo(a)anthracene

Concen: 3.398 ng/ul

RT: 21.485 min Scan# 4136

Delta R.T. -0.003 min

Lab File: BM040576.D

Acq: 03 Jul 2023 15:34

Instrument :

BNA_M

ClientSampleId :

DCGA4

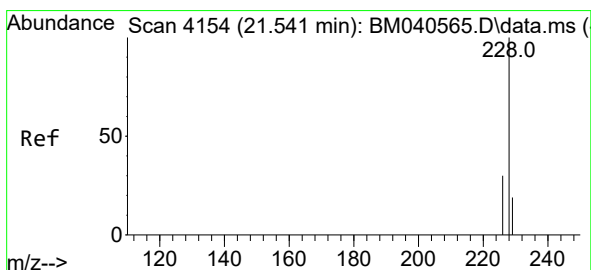
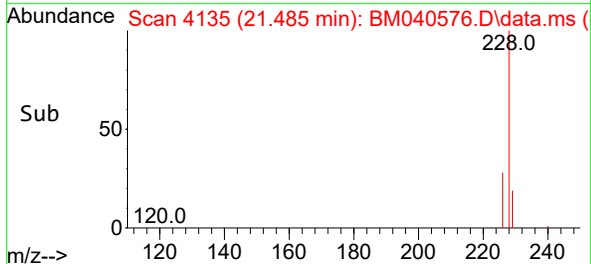
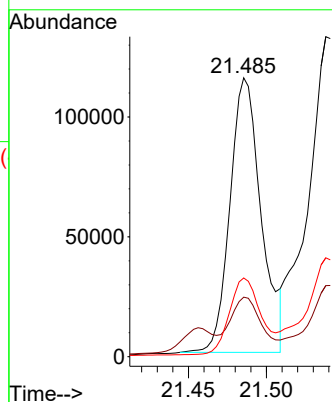
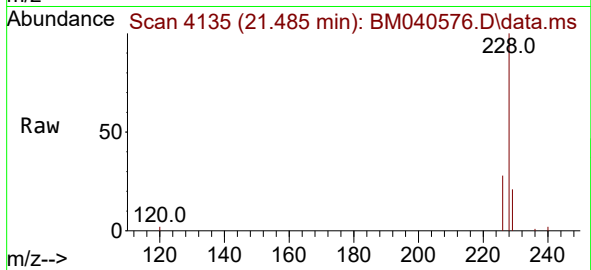
Tgt Ion:228 Resp: 159083

Ion Ratio Lower Upper

228 100

229 21.3 16.0 24.0

226 28.2 22.3 33.5



#22

Chrysene

Concen: 4.063 ng/ul

RT: 21.538 min Scan# 4153

Delta R.T. -0.003 min

Lab File: BM040576.D

Acq: 03 Jul 2023 15:34

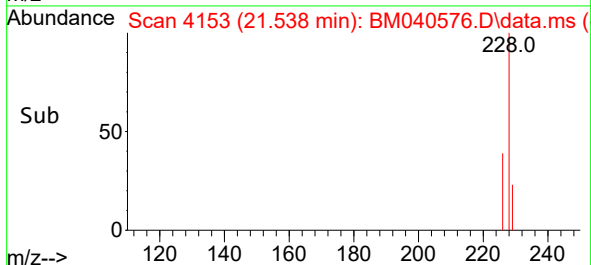
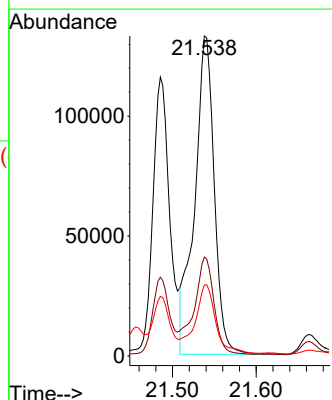
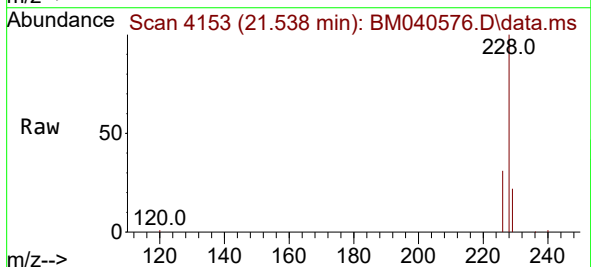
Tgt Ion:228 Resp: 216969

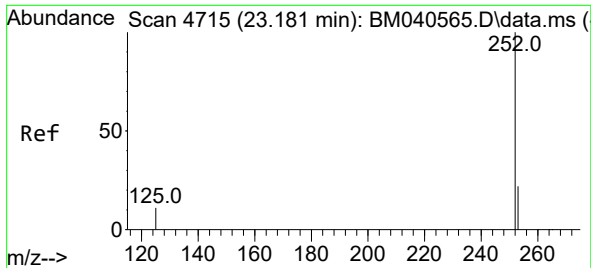
Ion Ratio Lower Upper

228 100

226 30.9 24.9 37.3

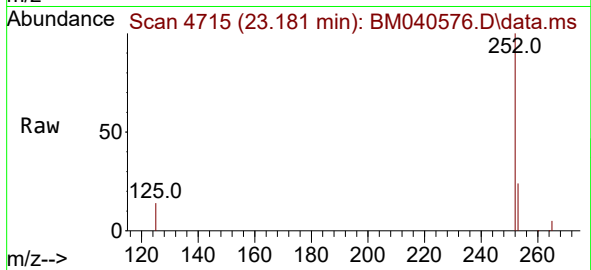
229 22.2 15.8 23.6



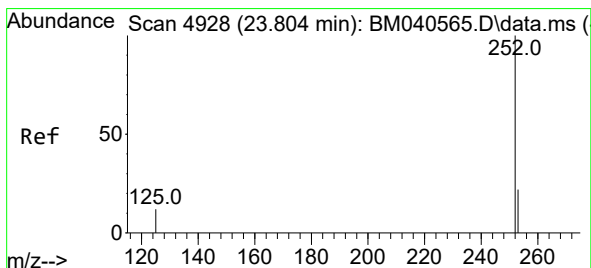
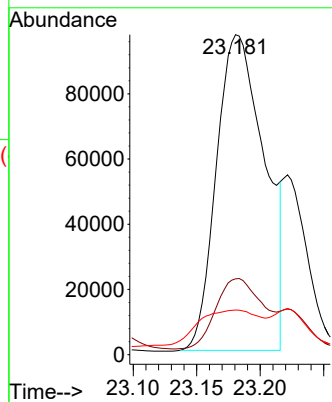
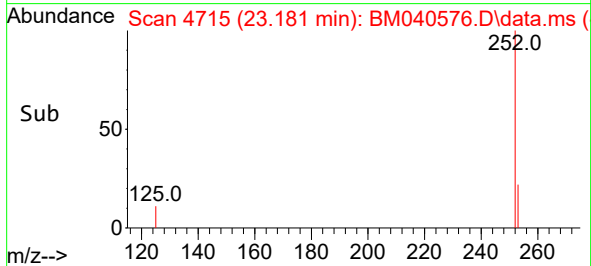


#24
Benzo(b)fluoranthene
Concen: 4.379 ng/ul
RT: 23.181 min Scan# 41
Delta R.T. -0.000 min
Lab File: BM040576.D
Acq: 03 Jul 2023 15:34

Instrument :
BNA_M
ClientSampleId :
DCGA4

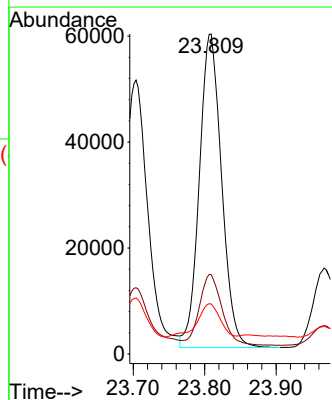
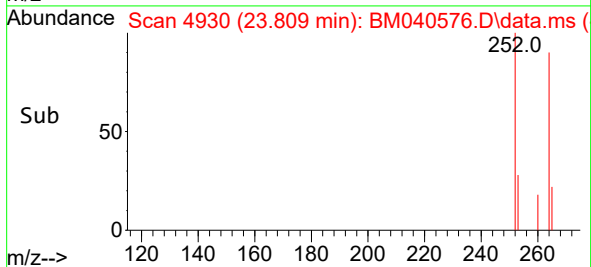
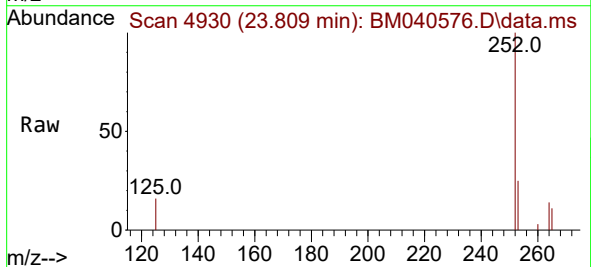


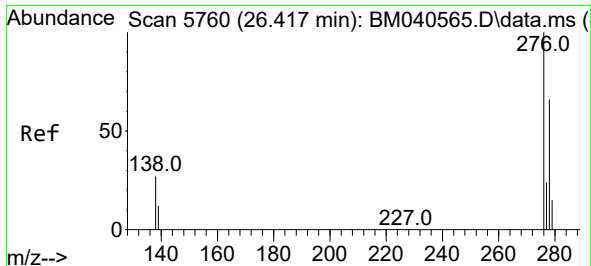
Tgt Ion:252 Resp: 255412
Ion Ratio Lower Upper
252 100
253 23.7 0.0 52.8
125 14.0 0.0 43.0



#26
Benzo(a)pyrene
Concen: 2.441 ng/ul
RT: 23.809 min Scan# 4930
Delta R.T. 0.006 min
Lab File: BM040576.D
Acq: 03 Jul 2023 15:34

Tgt Ion:252 Resp: 128231
Ion Ratio Lower Upper
252 100
253 24.7 22.9 34.3
125 15.6 21.0 31.4#

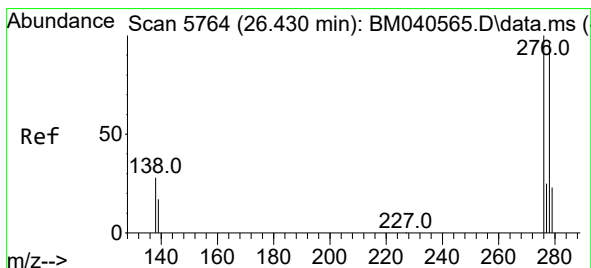
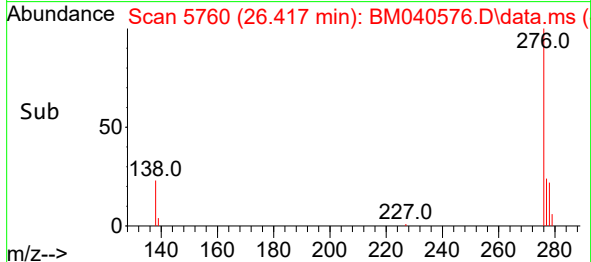
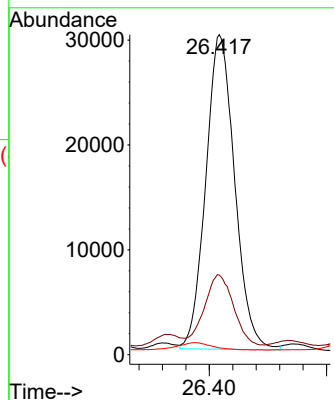
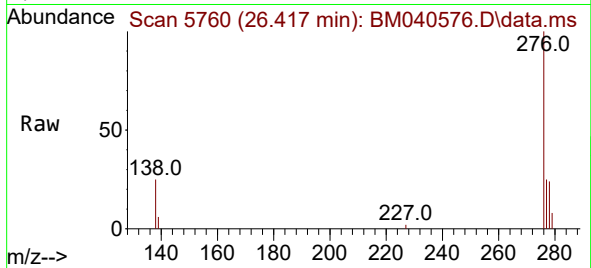




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 1.403 ng/ul
 RT: 26.417 min Scan# 5760
 Delta R.T. -0.000 min
 Lab File: BM040576.D
 Acq: 03 Jul 2023 15:34

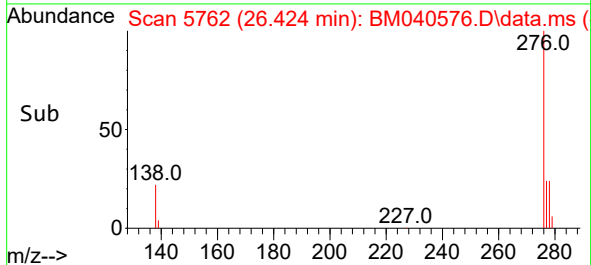
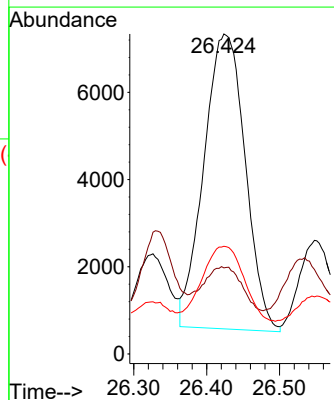
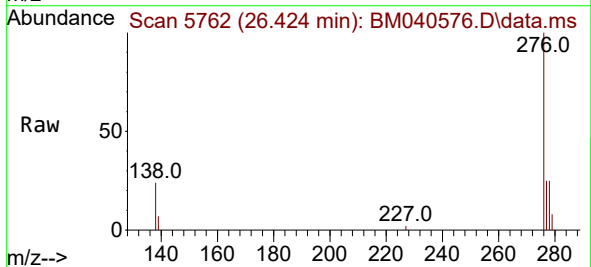
Instrument :
 BNA_M
 ClientSampleId :
 DCGA4

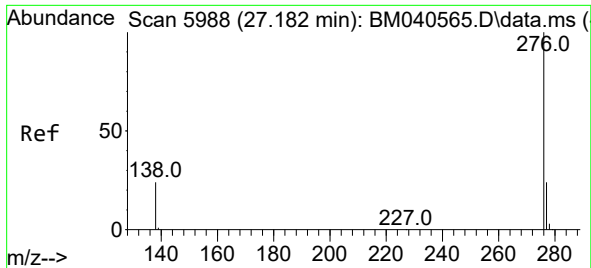
Tgt Ion:276 Resp: 102684
 Ion Ratio Lower Upper
 276 100
 138 22.8 24.5 36.7#
 227 0.0 0.1 0.1#



#28
 Dibenzo(a,h)anthracene
 Concen: 0.465 ng/ul
 RT: 26.424 min Scan# 5762
 Delta R.T. -0.007 min
 Lab File: BM040576.D
 Acq: 03 Jul 2023 15:34

Tgt Ion:278 Resp: 26630
 Ion Ratio Lower Upper
 278 100
 139 26.9 17.9 26.9#
 279 33.6 22.0 33.0#





#29

Benzo(g,h,i)perylene

Concen: 1.408 ng/ul

RT: 27.192 min Scan# 59

Delta R.T. 0.010 min

Lab File: BM040576.D

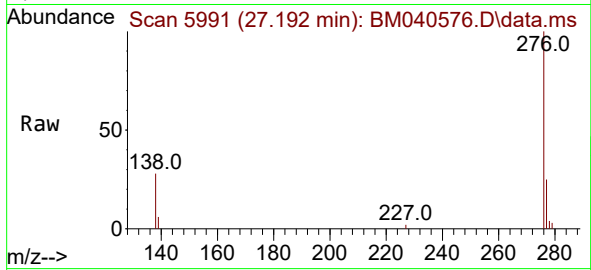
Acq: 03 Jul 2023 15:34

Instrument :

BNA_M

ClientSampleId :

DCGA4



Tgt Ion:276 Resp: 90312

Ion Ratio Lower Upper

276 100

138 27.6 23.0 34.6

277 24.8 20.3 30.5

