

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051723\
 Data File : BM039943.D
 Acq On : 17 May 2023 12:56
 Operator : CG/JU
 Sample : 02614-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X3G10

Quant Time: May 17 14:04:02 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM051623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 17 01:47:11 2023
 Response via : Initial Calibration

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

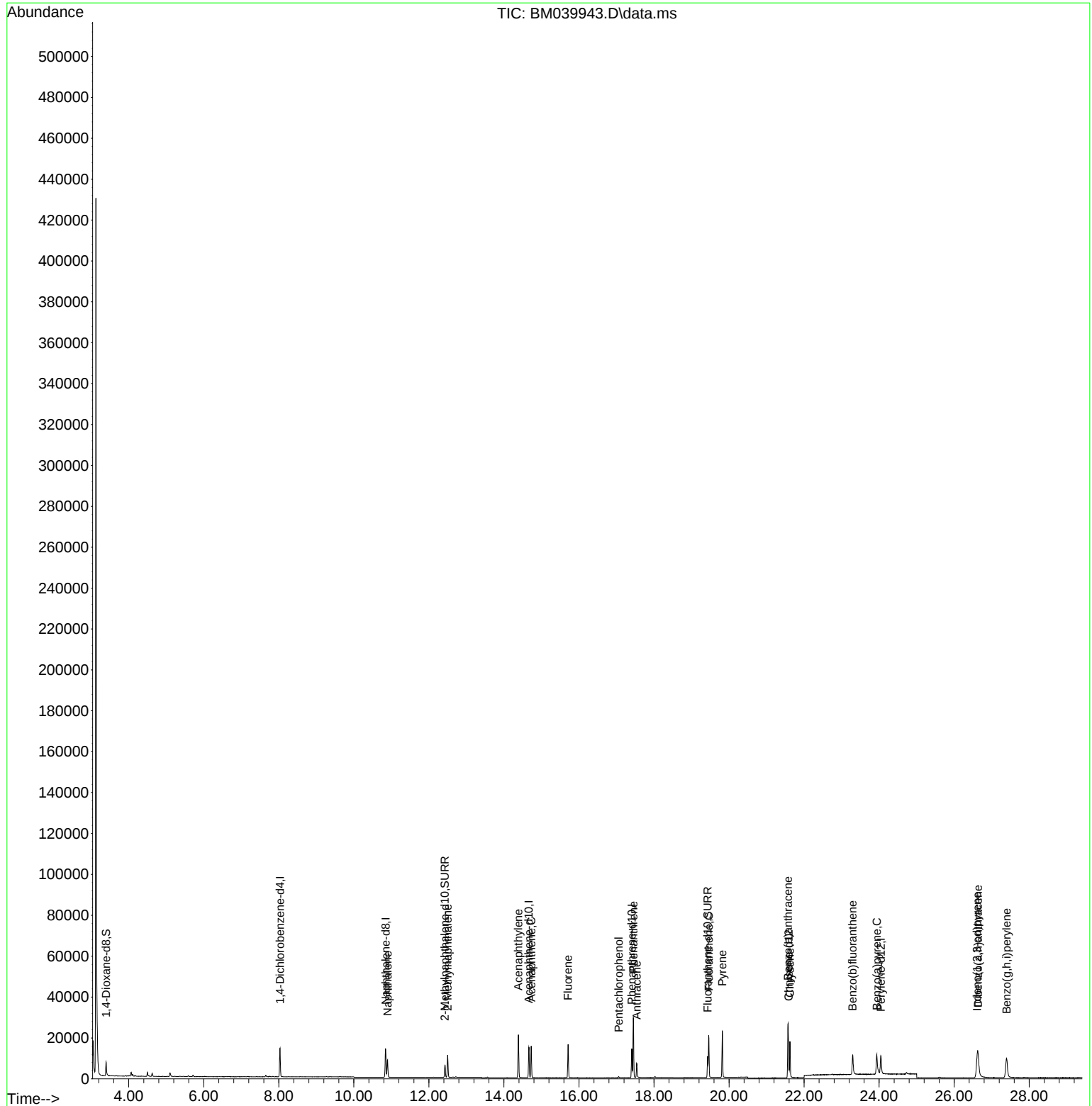
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.032	152	6694	0.400	ng/ul	0.00
4) Naphthalene-d8	10.848	136	18798	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.664	164	7917	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.407	188	15663	0.400	ng/ul	0.00
17) Chrysene-d12	21.586	240	10374	0.400	ng/ul	0.00
23) Perylene-d12	24.048	264	12802	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.395	96	4949	0.598	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.426	152	7391	0.332	ng/ul	0.00
18) Fluoranthene-d10	19.429	212	10233	0.361	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.898	128	11497	0.236	ng/ul	99
7) 2-Methylnaphthalene	12.498	142	7286	0.257	ng/ul	100
10) Acenaphthylene	14.386	152	23735	0.727	ng/ul	99
11) Acenaphthene	14.728	153	8528	0.315	ng/ul	100
12) Fluorene	15.709	166	9825	0.341	ng/ul	98
14) Pentachlorophenol	17.056	266	408	0.146	ng/ul	98
15) Phenanthrene	17.449	178	30516	0.669	ng/ul	99
16) Anthracene	17.538	178	7815	0.210	ng/ul	97
19) Fluoranthene	19.457	202	16921	0.397	ng/ul	96
20) Pyrene	19.820	202	18195	0.430	ng/ul	100
21) Benzo(a)anthracene	21.569	228	22352	0.713	ng/ul	99
22) Chrysene	21.622	228	15445	0.411	ng/ul	99
24) Benzo(b)fluoranthene	23.293	252	13408	0.294	ng/ul	96
26) Benzo(a)pyrene	23.937	252	17740	0.464	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	26.610	276	20713	0.377	ng/ul#	96
28) Dibenzo(a,h)anthracene	26.634	278	18568	0.420	ng/ul	98
29) Benzo(g,h,i)perylene	27.395	276	22579	0.464	ng/ul	99

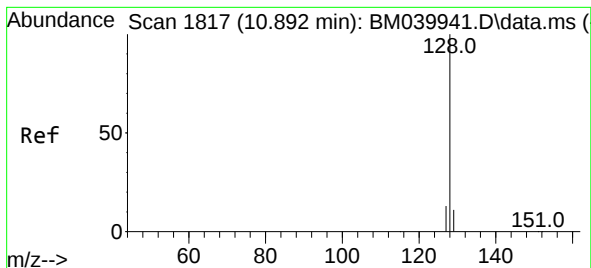
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.236 ng/ul

RT: 10.898 min Scan# 11

Delta R.T. 0.000 min

Lab File: BM039943.D

Acq: 17 May 2023 12:56

Instrument :

BNA_M

ClientSampleId :

X3G10

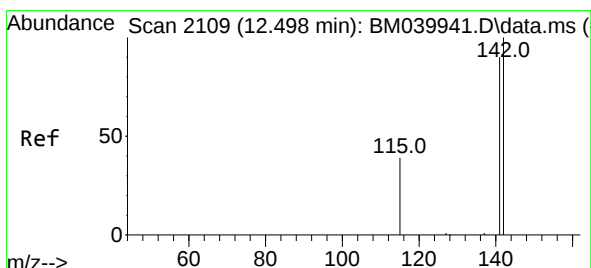
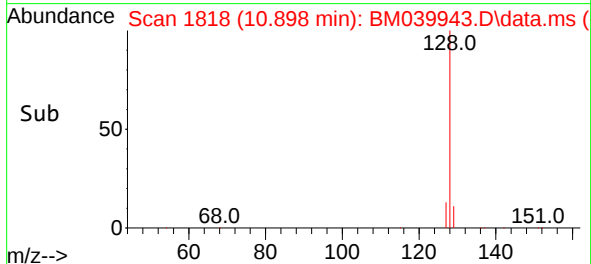
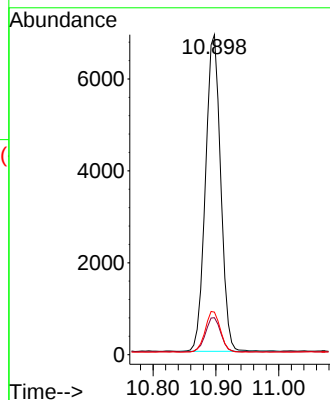
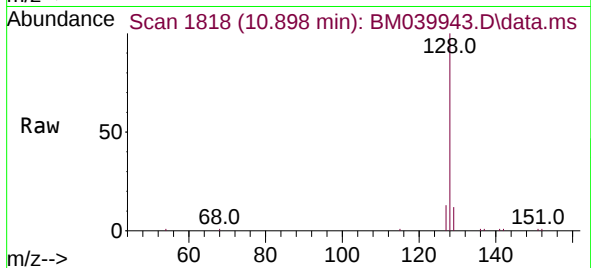
Tgt Ion:128 Resp: 11497

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.4

127 13.3 10.5 15.7



#7

2-Methylnaphthalene

Concen: 0.257 ng/ul

RT: 12.498 min Scan# 2109

Delta R.T. -0.005 min

Lab File: BM039943.D

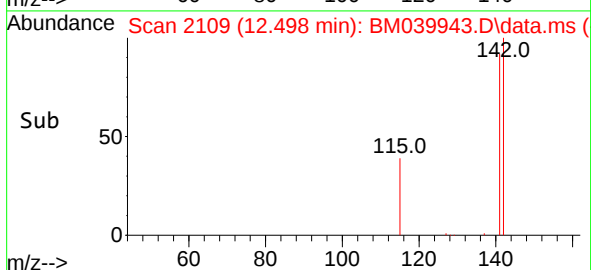
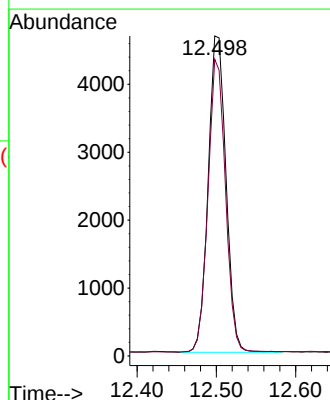
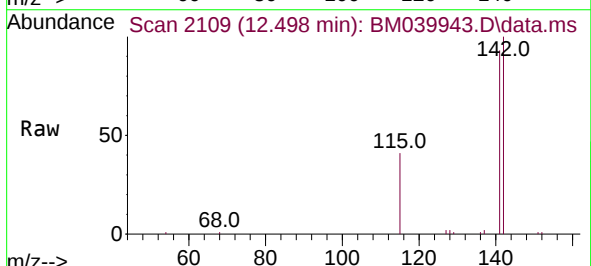
Acq: 17 May 2023 12:56

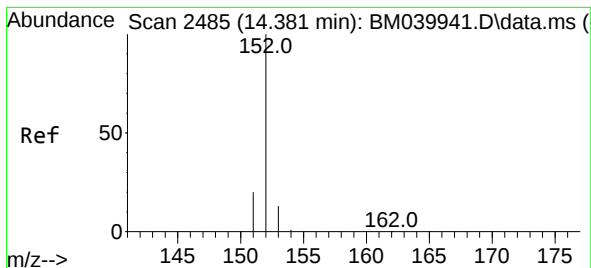
Tgt Ion:142 Resp: 7286

Ion Ratio Lower Upper

142 100

141 90.5 72.7 109.1





#10

Acenaphthylene

Concen: 0.727 ng/ul

RT: 14.386 min Scan# 2485

Delta R.T. 0.000 min

Lab File: BM039943.D

Acq: 17 May 2023 12:56

Instrument :

BNA_M

ClientSampleId :

X3G10

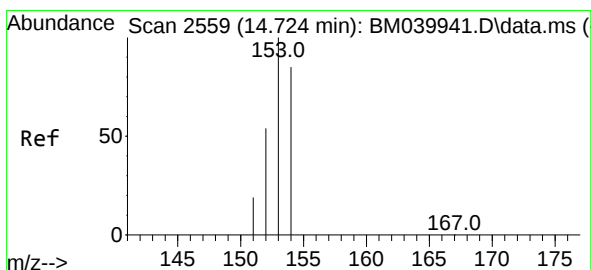
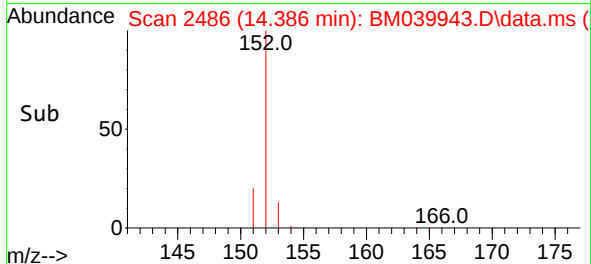
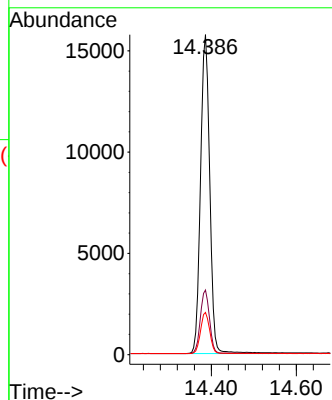
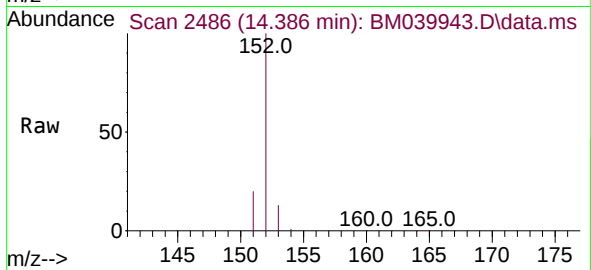
Tgt Ion:152 Resp: 23735

Ion Ratio Lower Upper

152 100

151 20.2 16.4 24.6

153 13.2 10.9 16.3



#11

Acenaphthene

Concen: 0.315 ng/ul

RT: 14.728 min Scan# 2560

Delta R.T. 0.000 min

Lab File: BM039943.D

Acq: 17 May 2023 12:56

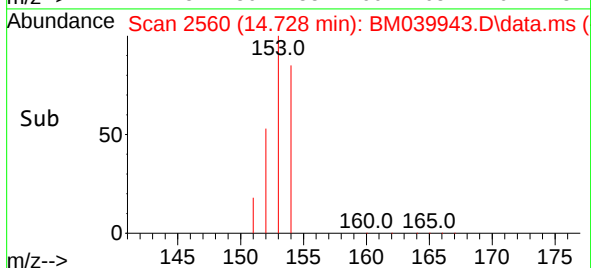
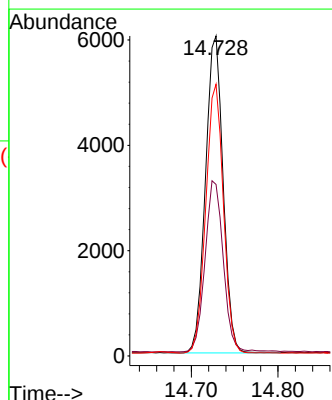
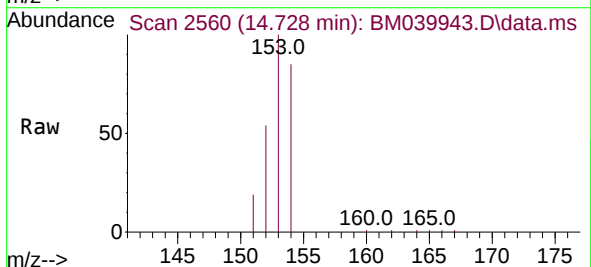
Tgt Ion:153 Resp: 8528

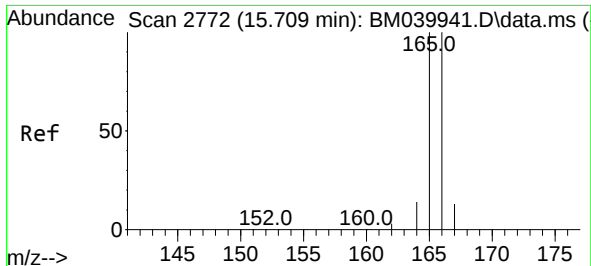
Ion Ratio Lower Upper

153 100

152 53.6 43.1 64.7

154 84.9 67.8 101.6

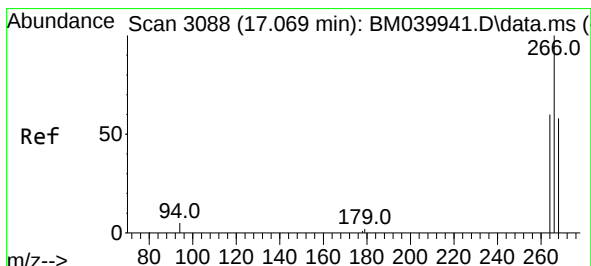
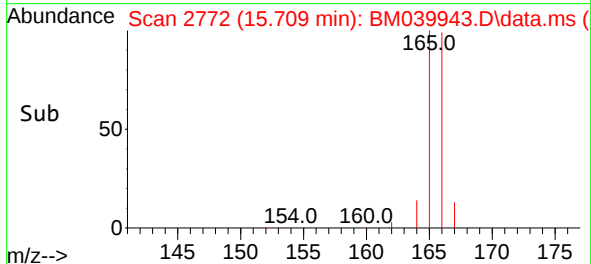
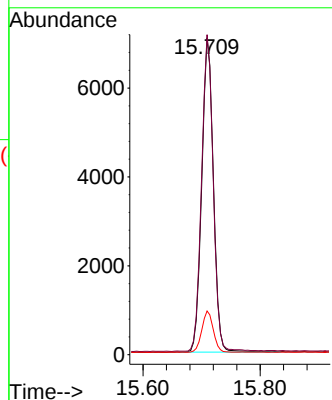
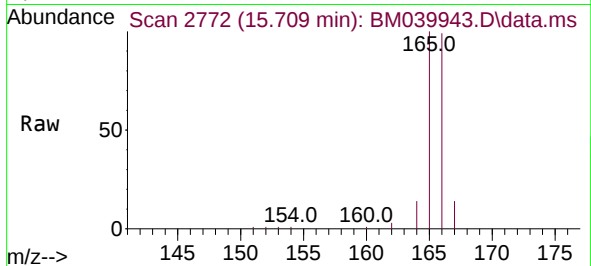




#12
Fluorene
Concen: 0.341 ng/ul
RT: 15.709 min Scan# 21
Delta R.T. -0.004 min
Lab File: BM039943.D
Acq: 17 May 2023 12:56

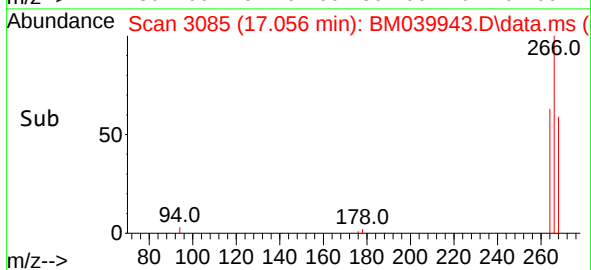
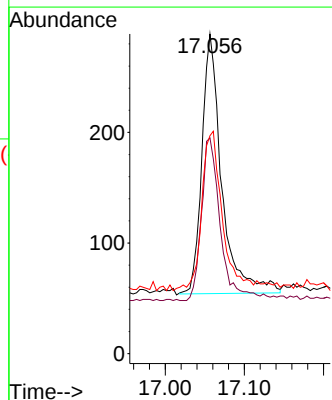
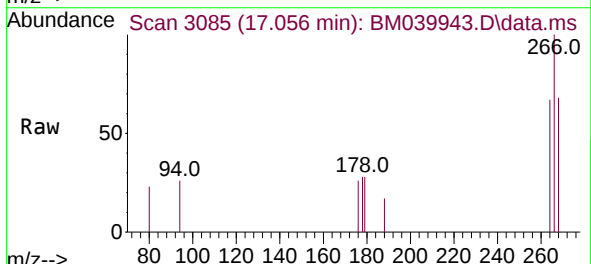
Instrument :
BNA_M
ClientSampleId :
X3G10

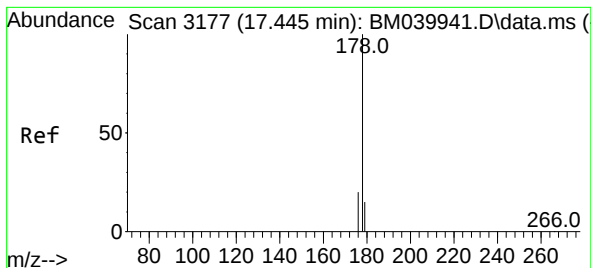
Tgt Ion:166 Resp: 9825
Ion Ratio Lower Upper
166 100
165 101.0 79.3 118.9
167 13.8 11.3 16.9



#14
Pentachlorophenol
Concen: 0.146 ng/ul
RT: 17.056 min Scan# 3085
Delta R.T. -0.004 min
Lab File: BM039943.D
Acq: 17 May 2023 12:56

Tgt Ion:266 Resp: 408
Ion Ratio Lower Upper
266 100
264 61.3 48.9 73.3
268 67.2 51.5 77.3





#15

Phenanthrene

Concen: 0.669 ng/ul

RT: 17.449 min Scan# 3177

Delta R.T. 0.000 min

Lab File: BM039943.D

Acq: 17 May 2023 12:56

Instrument :

BNA_M

ClientSampleId :

X3G10

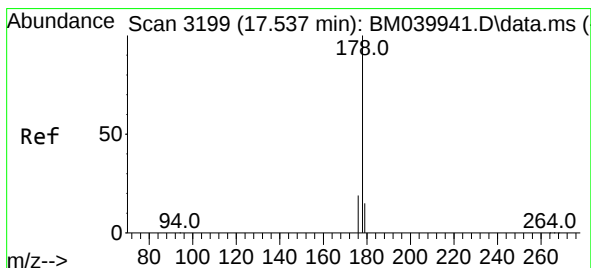
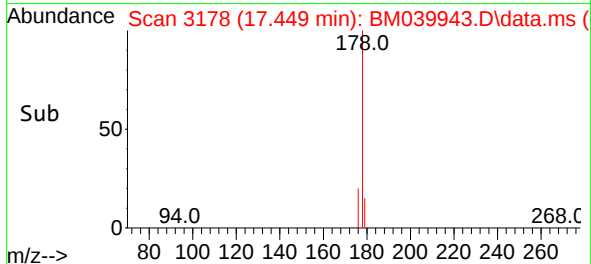
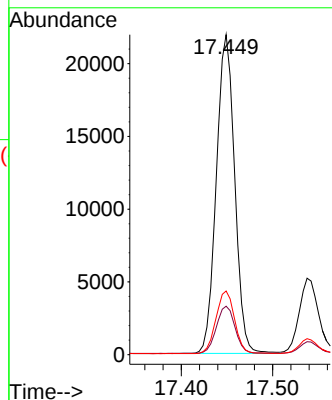
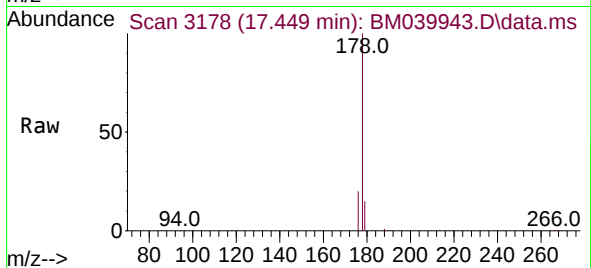
Tgt Ion:178 Resp: 30516

Ion Ratio Lower Upper

178 100

179 15.1 12.4 18.6

176 19.9 16.3 24.5



#16

Anthracene

Concen: 0.210 ng/ul

RT: 17.538 min Scan# 3199

Delta R.T. -0.004 min

Lab File: BM039943.D

Acq: 17 May 2023 12:56

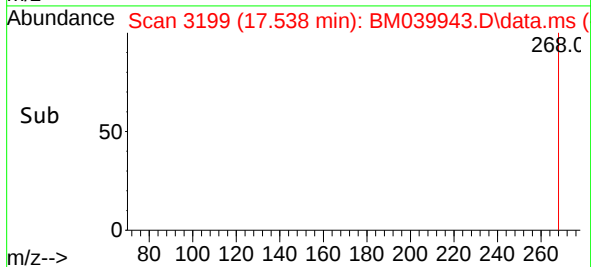
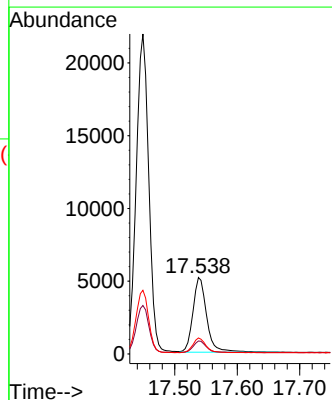
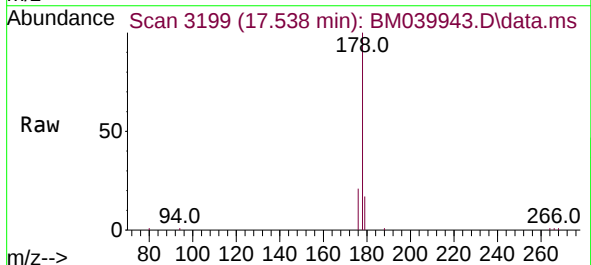
Tgt Ion:178 Resp: 7815

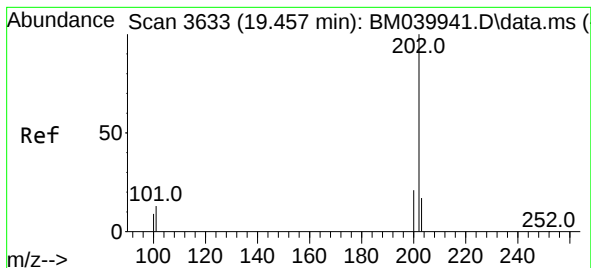
Ion Ratio Lower Upper

178 100

179 17.0 12.6 19.0

176 20.9 15.4 23.2





#19

Fluoranthene

Concen: 0.397 ng/ul

RT: 19.457 min Scan# 3633

Delta R.T. -0.004 min

Lab File: BM039943.D

Acq: 17 May 2023 12:56

Instrument :

BNA_M

ClientSampleId :

X3G10

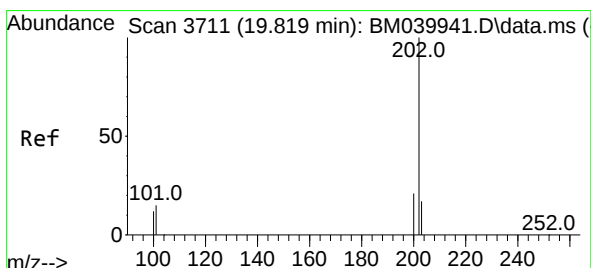
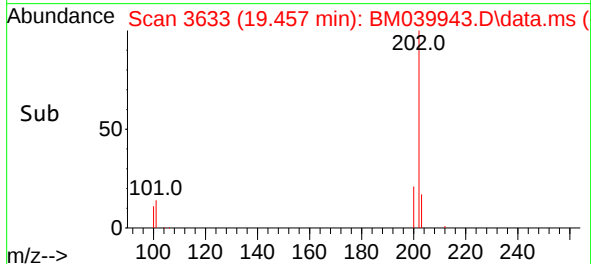
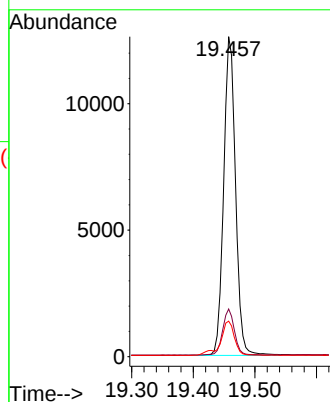
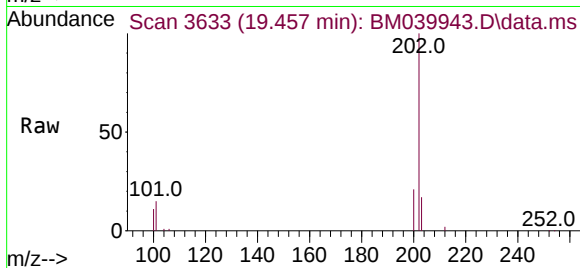
Tgt Ion:202 Resp: 16921

Ion Ratio Lower Upper

202 100

101 14.9 10.4 15.6

100 11.1 7.8 11.6



#20

Pyrene

Concen: 0.430 ng/ul

RT: 19.820 min Scan# 3711

Delta R.T. 0.000 min

Lab File: BM039943.D

Acq: 17 May 2023 12:56

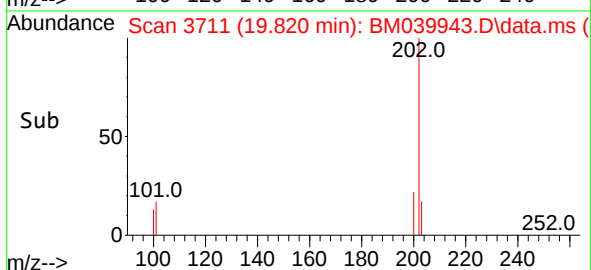
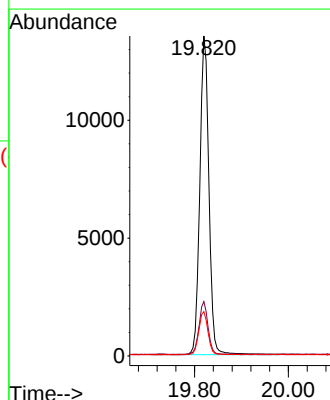
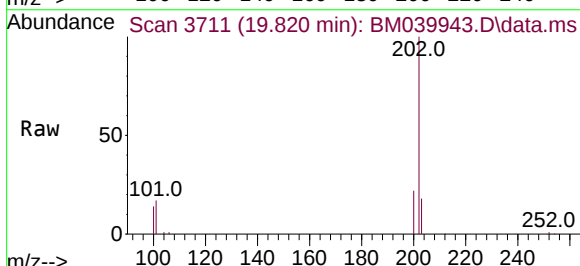
Tgt Ion:202 Resp: 18195

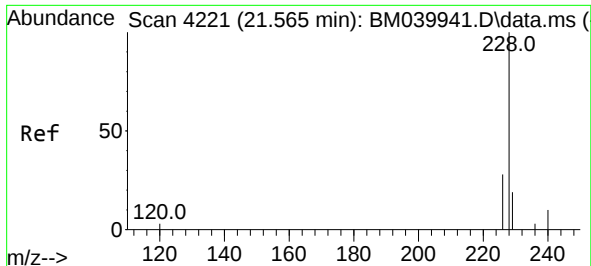
Ion Ratio Lower Upper

202 100

101 17.0 13.4 20.0

100 13.8 11.0 16.6

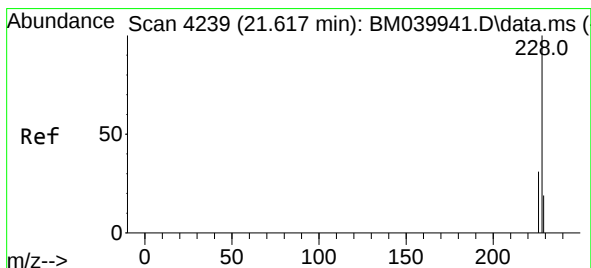
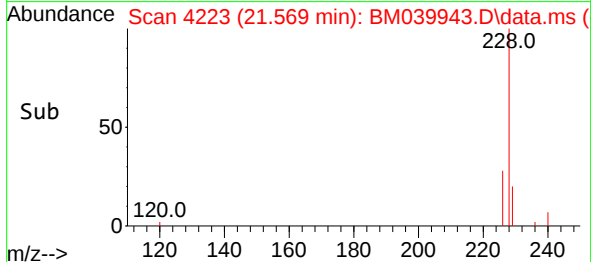
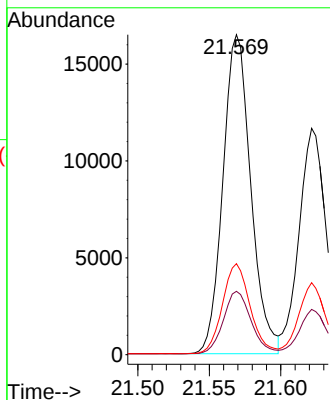
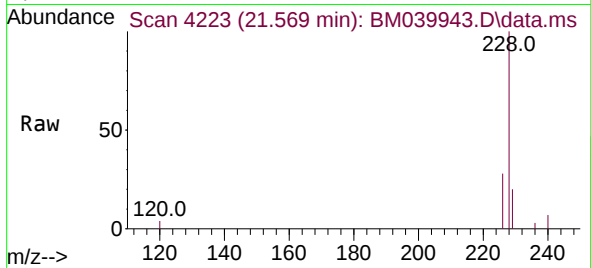




#21
Benzo(a)anthracene
Concen: 0.713 ng/ul
RT: 21.569 min Scan# 41
Delta R.T. 0.003 min
Lab File: BM039943.D
Acq: 17 May 2023 12:56

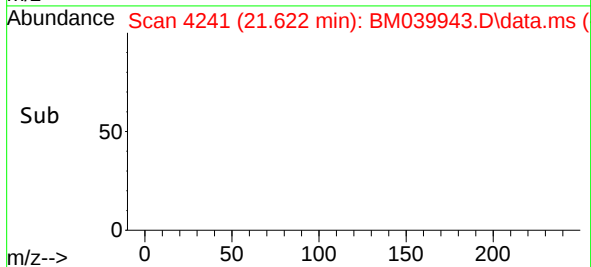
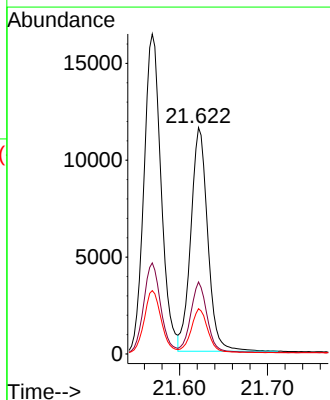
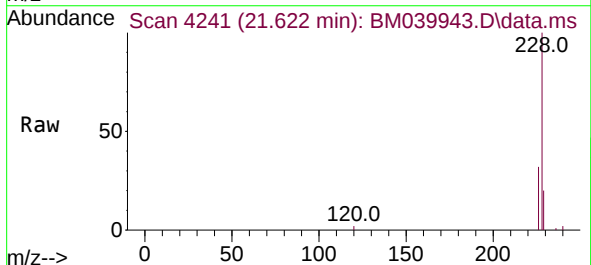
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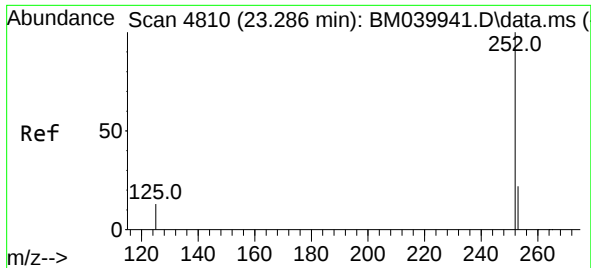
Tgt Ion:228 Resp: 22352
Ion Ratio Lower Upper
228 100
229 19.8 15.7 23.5
226 28.5 22.3 33.5



#22
Chrysene
Concen: 0.411 ng/ul
RT: 21.622 min Scan# 4241
Delta R.T. 0.000 min
Lab File: BM039943.D
Acq: 17 May 2023 12:56

Tgt Ion:228 Resp: 15445
Ion Ratio Lower Upper
228 100
226 31.8 24.7 37.1
229 20.0 15.6 23.4

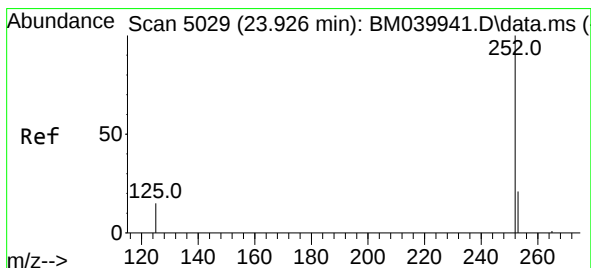
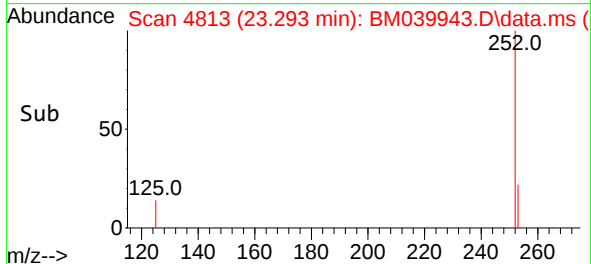
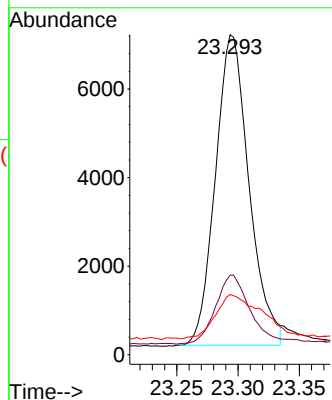
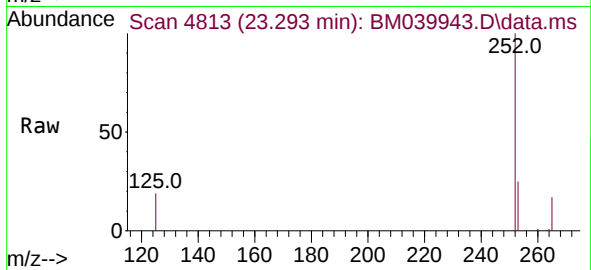




#24
Benzo(b)fluoranthene
Concen: 0.294 ng/ul
RT: 23.293 min Scan# 4810
Delta R.T. 0.000 min
Lab File: BM039943.D
Acq: 17 May 2023 12:56

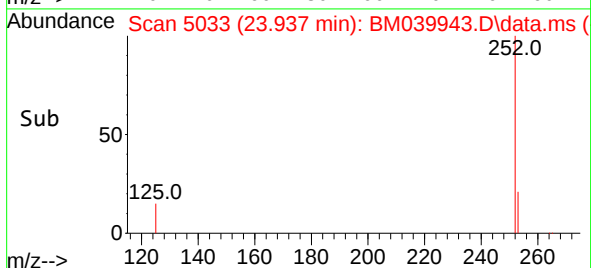
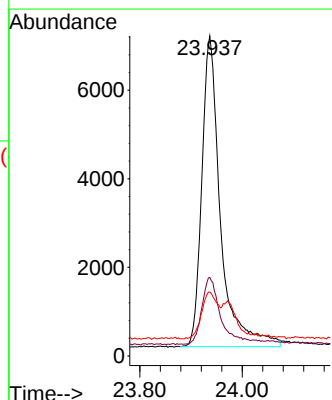
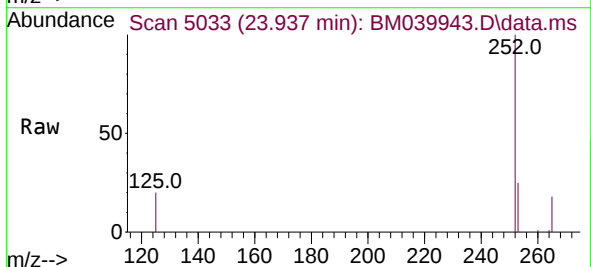
Instrument :
BNA_M
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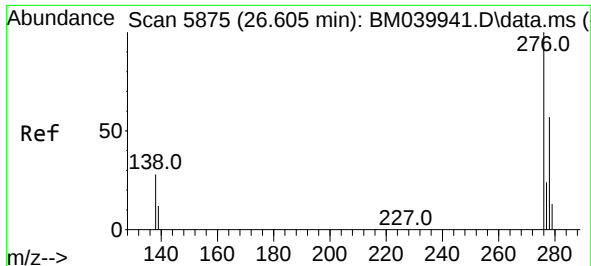
Tgt Ion:252 Resp: 13408
Ion Ratio Lower Upper
252 100
253 24.9 0.0 47.6
125 18.8 0.0 32.6



#26
Benzo(a)pyrene
Concen: 0.464 ng/ul
RT: 23.937 min Scan# 5033
Delta R.T. 0.003 min
Lab File: BM039943.D
Acq: 17 May 2023 12:56

Tgt Ion:252 Resp: 17740
Ion Ratio Lower Upper
252 100
253 24.6 20.0 30.0
125 19.9 15.4 23.2

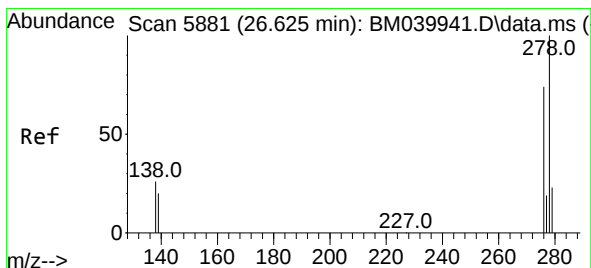
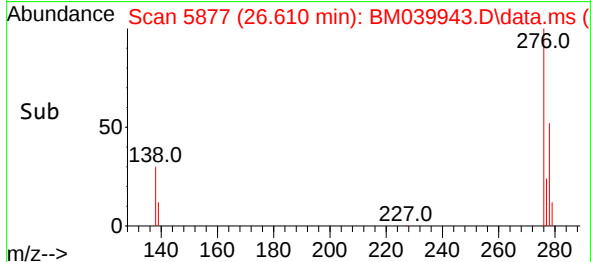
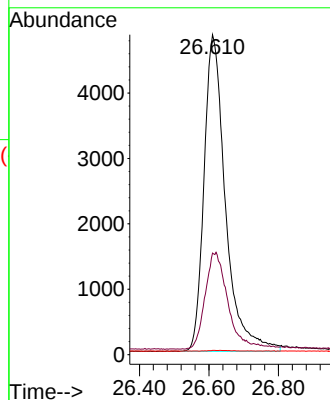
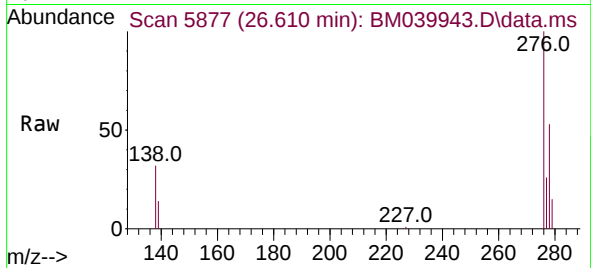




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.377 ng/ul
 RT: 26.610 min Scan# 5877
 Delta R.T. -0.003 min
 Lab File: BM039943.D
 Acq: 17 May 2023 12:56

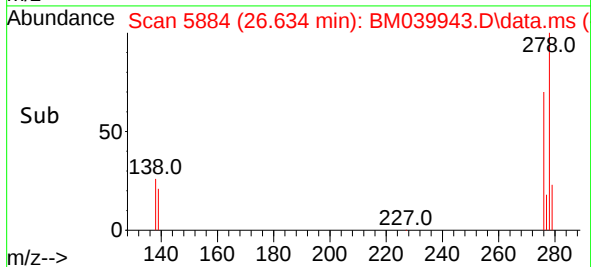
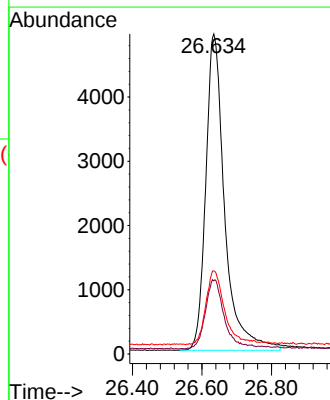
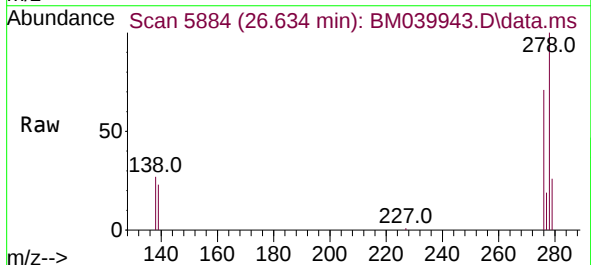
Instrument :
 BNA_M
 ClientSampleId :
 X3G10

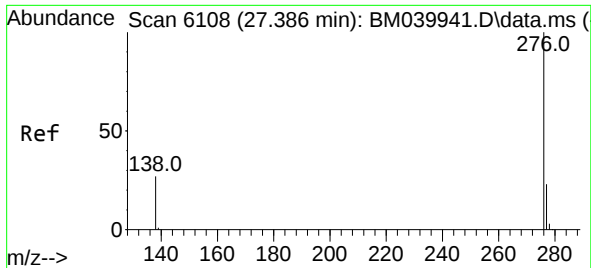
Tgt Ion:276 Resp: 20713
 Ion Ratio Lower Upper
 276 100
 138 32.6 24.3 36.5
 227 0.3 0.2 0.2#



#28
 Dibenzo(a,h)anthracene
 Concen: 0.420 ng/ul
 RT: 26.634 min Scan# 5884
 Delta R.T. 0.000 min
 Lab File: BM039943.D
 Acq: 17 May 2023 12:56

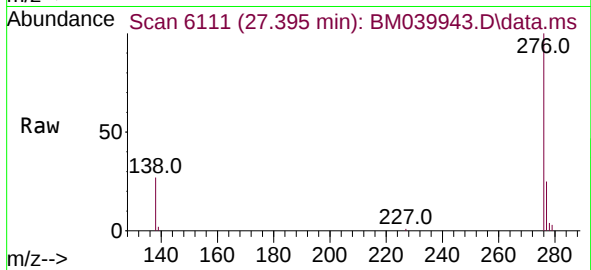
Tgt Ion:278 Resp: 18568
 Ion Ratio Lower Upper
 278 100
 139 22.8 16.9 25.3
 279 25.9 21.4 32.0





#29
 Benzo(g,h,i)perylene
 Concen: 0.464 ng/ul
 RT: 27.395 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: BM039943.D
 Acq: 17 May 2023 12:56

Instrument :
 BNA_M
 ClientSampleId :
 X3G10



Tgt Ion:	276	Resp:	22579
Ion	Ratio	Lower	Upper
276	100		
138	27.3	22.4	33.6
277	25.1	19.5	29.3

