

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043096.D
 Acq On : 30 Nov 2023 21:53
 Operator : MA/JU
 Sample : 05459-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA3

Quant Time: Dec 01 00:44:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
 Response via : Initial Calibration

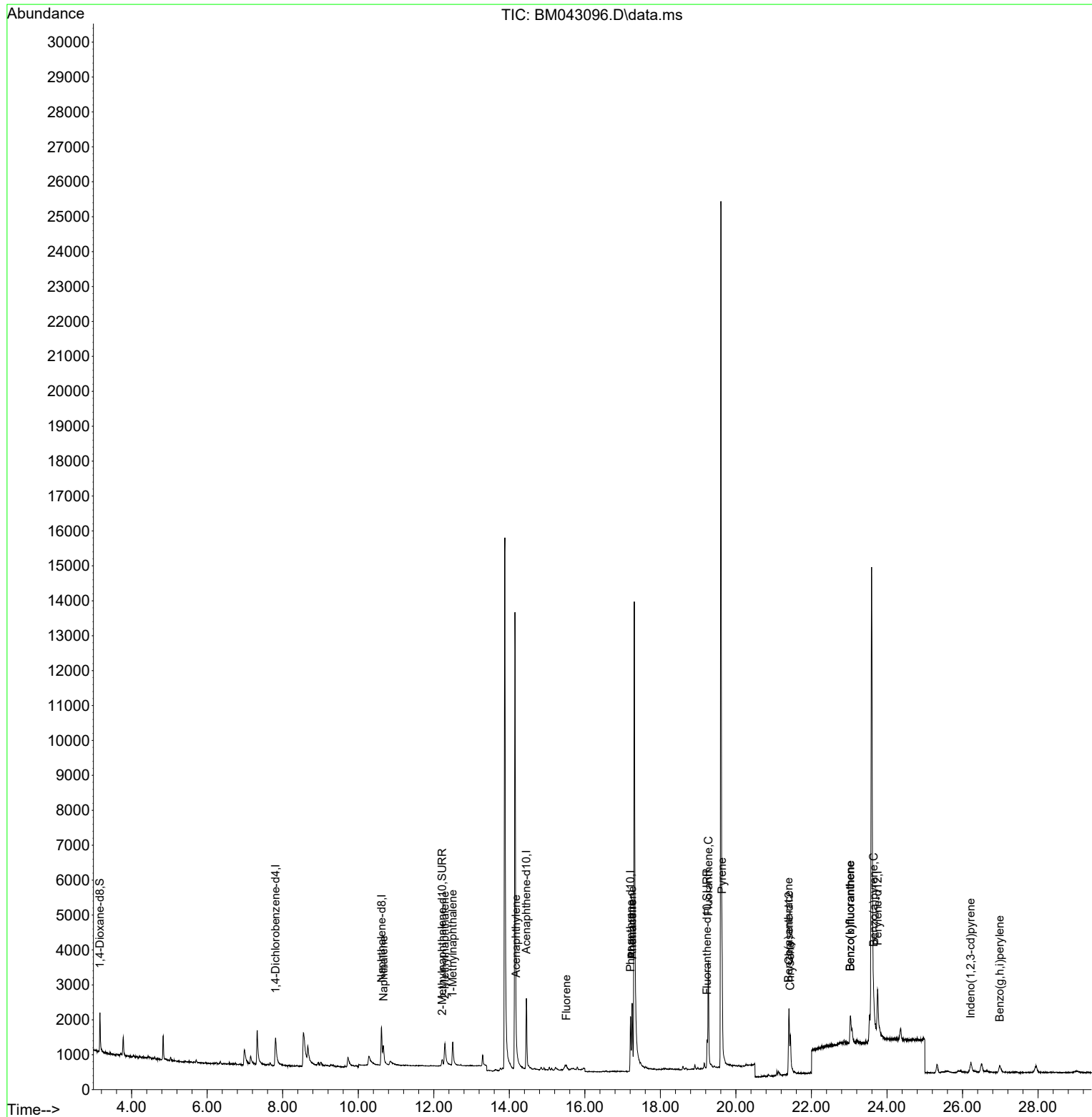
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.813	152	828	0.400	ng/ul	-0.05
4) Naphthalene-d8	10.616	136	2218	0.400	ng/ul	#-0.02
9) Acenaphthene-d10	14.450	164	1217	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.208	188	2430	0.400	ng/ul	-0.02
17) Chrysene-d12	21.406	240	1703	0.400	ng/ul	0.00
23) Perylene-d12	23.753	264	2806	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.160	96	795	0.626	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.222	152	515	0.174	ng/ul	-0.01
18) Fluoranthene-d10	19.238	212	1109	0.179	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.666	128	1048	0.174	ng/ul	94
7) 2-Methylnaphthalene	12.294	142	873	0.246	ng/ul	94
8) 1-Methylnaphthalene	12.503	142	643	0.162	ng/ul	96
10) Acenaphthylene	14.182	152	169	0.027	ng/ul#	22
12) Fluorene	15.509	166	103	0.021	ng/ul#	84
15) Phenanthrene	17.250	178	2458	0.354	ng/ul	99
16) Anthracene	17.250	178	2452	0.373	ng/ul	95
19) Fluoranthene	19.270	202	3338	0.346	ng/ul	97
20) Pyrene	19.633	202	2603	0.254	ng/ul	97
21) Benzo(a)anthracene	21.395	228	1206	0.218	ng/ul#	90
22) Chrysene	21.441	228	1303	0.127	ng/ul#	91
24) Benzo(b)fluoranthene	23.031	252	1530	0.162	ng/ul	75
25) Benzo(k)fluoranthene	23.031	252	2318	0.178	ng/ul#	73
26) Benzo(a)pyrene	23.648	252	659	0.064	ng/ul#	60
27) Indeno(1,2,3-cd)pyrene	26.219	276	642	0.046	ng/ul#	100
29) Benzo(g,h,i)perylene	26.983	276	533	0.039	ng/ul#	56

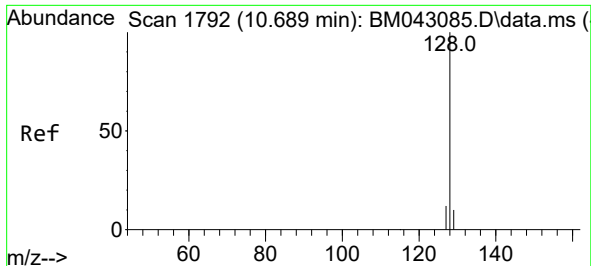
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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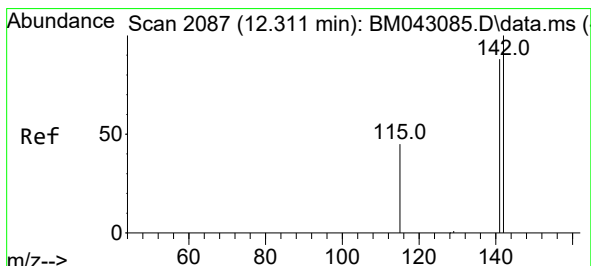
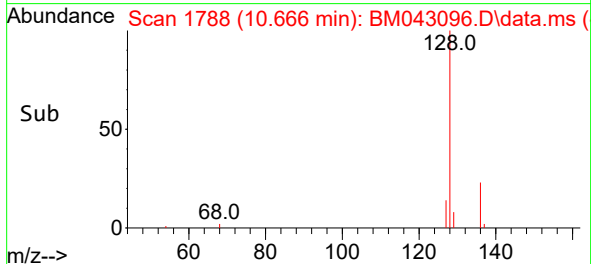
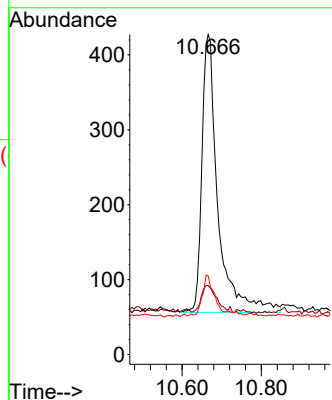
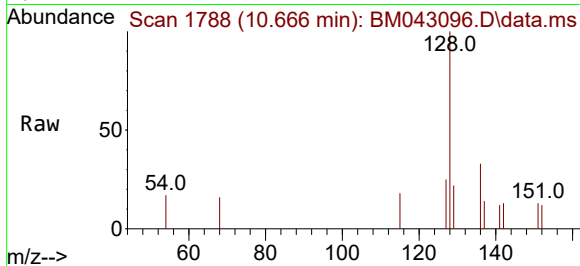




#5
Naphthalene
Concen: 0.174 ng/ul
RT: 10.666 min Scan# 1788
Delta R.T. -0.023 min
Lab File: BM043096.D
Acq: 30 Nov 2023 21:53

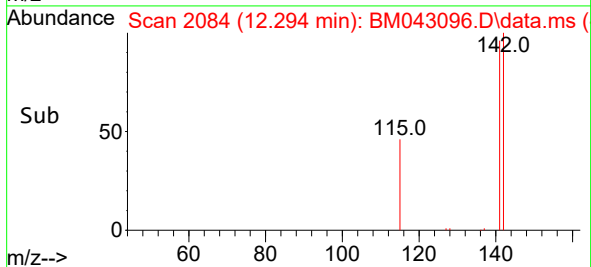
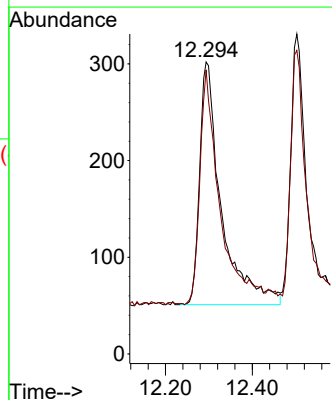
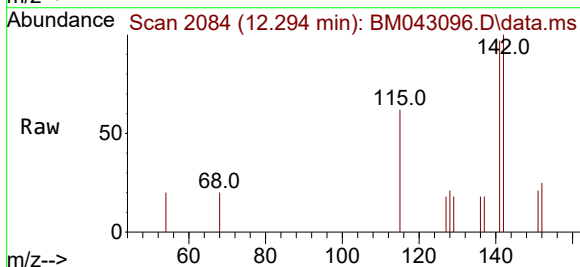
Instrument :
BNA_M
ClientSampleId :
C0AA3

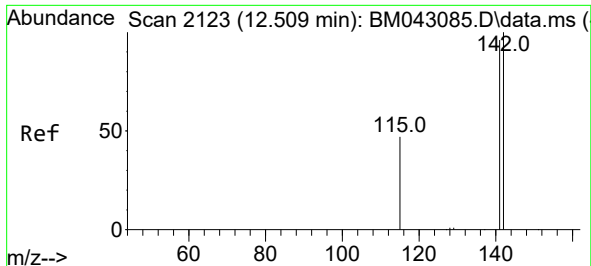
Tgt Ion:128 Resp: 1048
Ion Ratio Lower Upper
128 100
129 21.5 16.0 24.0
127 24.6 16.5 24.7



#7
2-Methylnaphthalene
Concen: 0.246 ng/ul
RT: 12.294 min Scan# 2084
Delta R.T. -0.018 min
Lab File: BM043096.D
Acq: 30 Nov 2023 21:53

Tgt Ion:142 Resp: 873
Ion Ratio Lower Upper
142 100
141 89.1 76.1 114.1

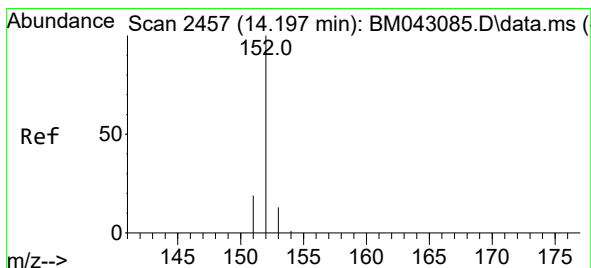
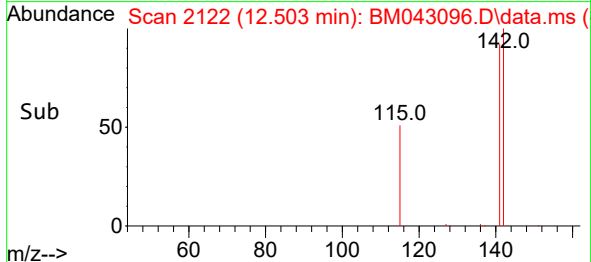
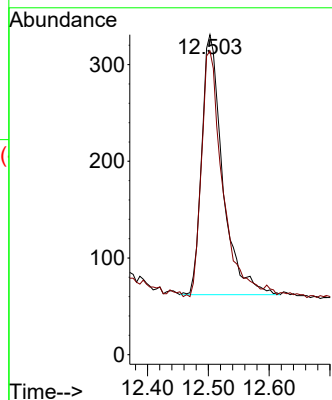
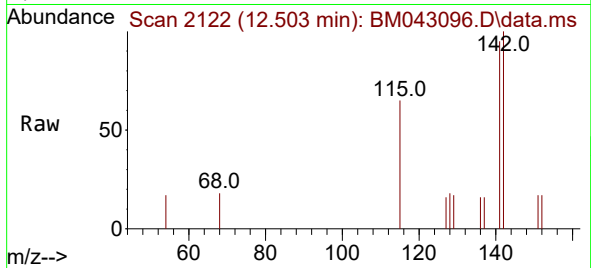




#8
1-Methylnaphthalene
Concen: 0.162 ng/ul
RT: 12.503 min Scan# 2122
Delta R.T. -0.007 min
Lab File: BM043096.D
Acq: 30 Nov 2023 21:53

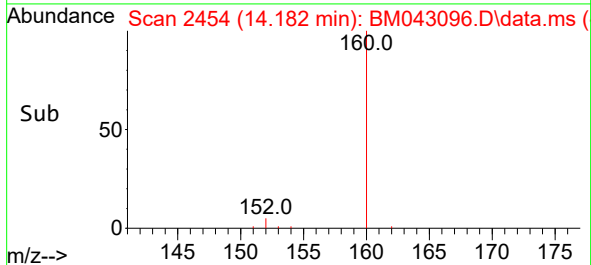
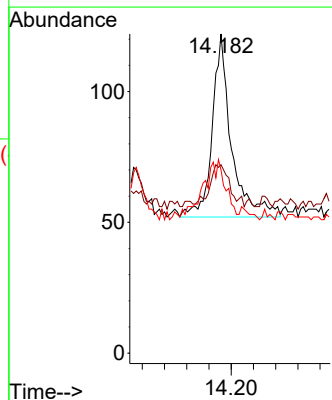
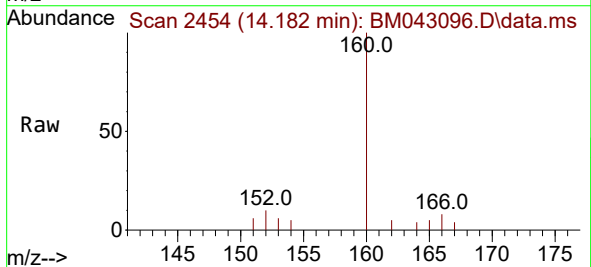
Instrument :
BNA_M
ClientSampleId :
C0AA3

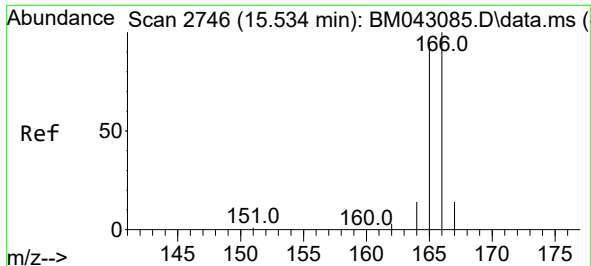
Tgt Ion:142 Resp: 643
Ion Ratio Lower Upper
142 100
141 96.6 73.8 110.8



#10
Acenaphthylene
Concen: 0.027 ng/ul
RT: 14.182 min Scan# 2454
Delta R.T. -0.015 min
Lab File: BM043096.D
Acq: 30 Nov 2023 21:53

Tgt Ion:152 Resp: 169
Ion Ratio Lower Upper
152 100
151 59.0 19.4 29.0#
153 57.4 14.6 21.8#

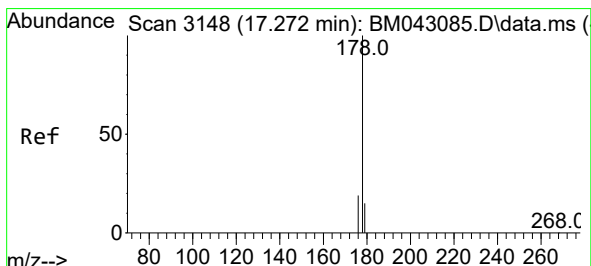
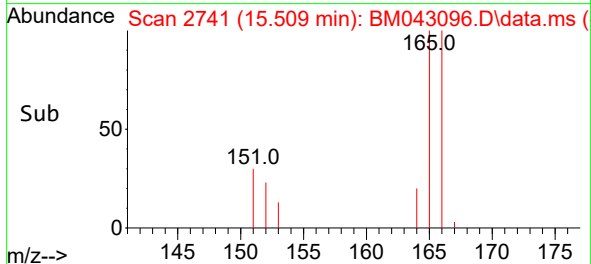
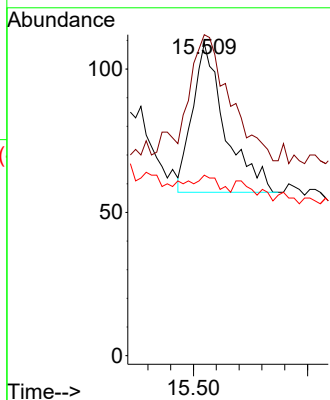
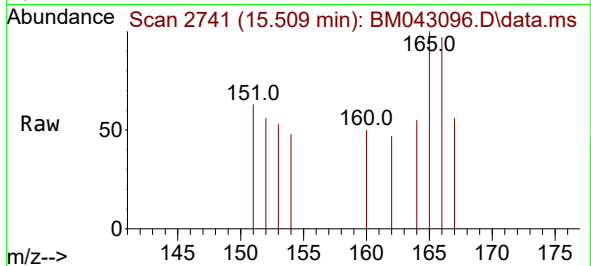




#12
Fluorene
Concen: 0.021 ng/ul
RT: 15.509 min Scan# 21
Delta R.T. -0.024 min
Lab File: BM043096.D
Acq: 30 Nov 2023 21:53

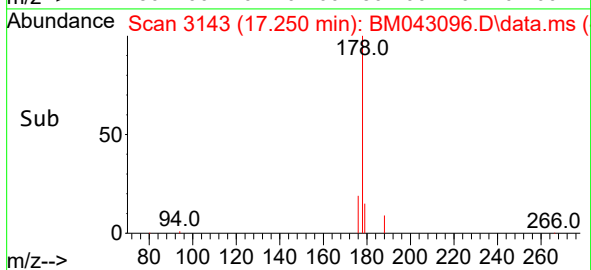
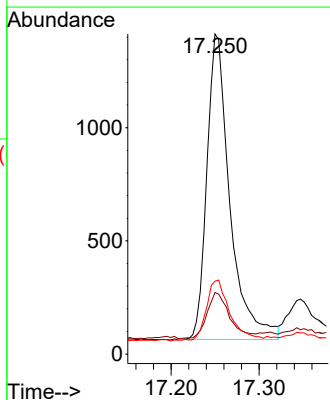
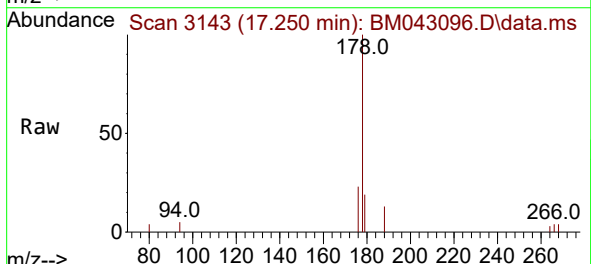
Instrument :
BNA_M
ClientSampleId :
C0AA3

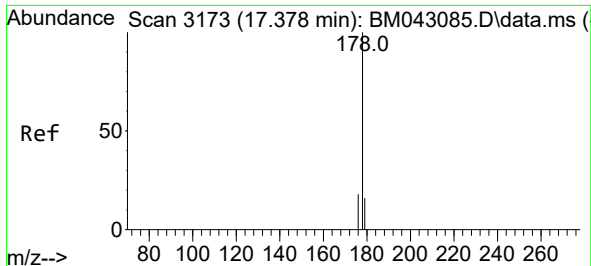
Tgt Ion:166 Resp: 103
Ion Ratio Lower Upper
166 100
165 102.8 79.9 119.9
167 57.8 14.2 21.4#



#15
Phenanthrene
Concen: 0.354 ng/ul
RT: 17.250 min Scan# 3143
Delta R.T. -0.022 min
Lab File: BM043096.D
Acq: 30 Nov 2023 21:53

Tgt Ion:178 Resp: 2458
Ion Ratio Lower Upper
178 100
179 19.2 15.7 23.5
176 22.8 18.9 28.3

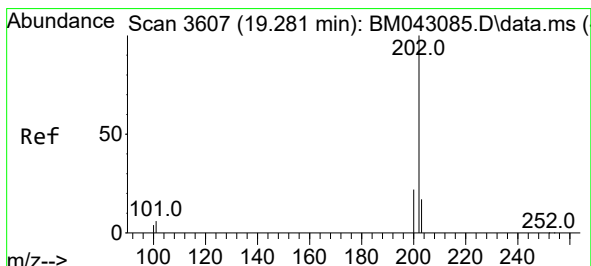
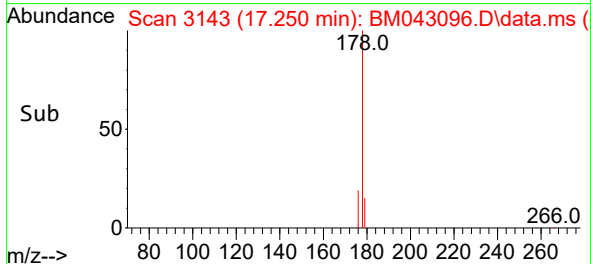
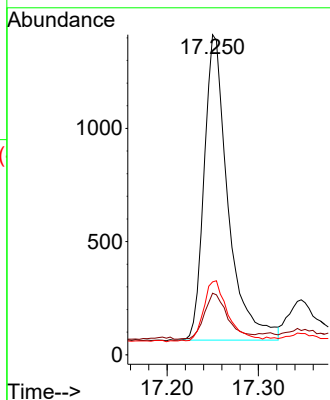
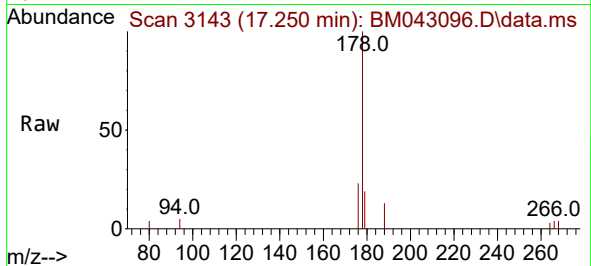




#16
 Anthracene
 Concen: 0.373 ng/ul
 RT: 17.250 min Scan# 3173
 Delta R.T. -0.128 min
 Lab File: BM043096.D
 Acq: 30 Nov 2023 21:53

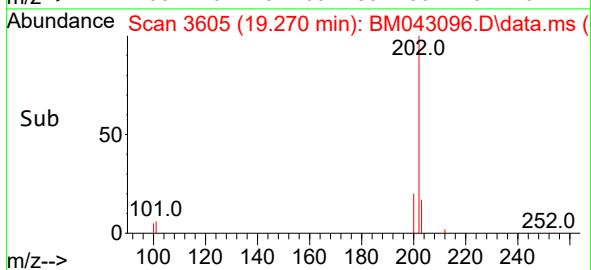
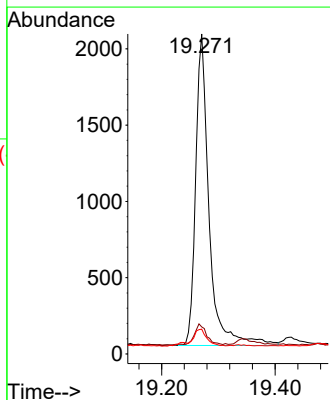
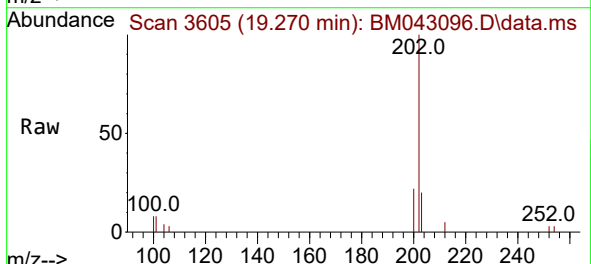
Instrument :
 BNA_M
 ClientSampleId :
 C0AA3

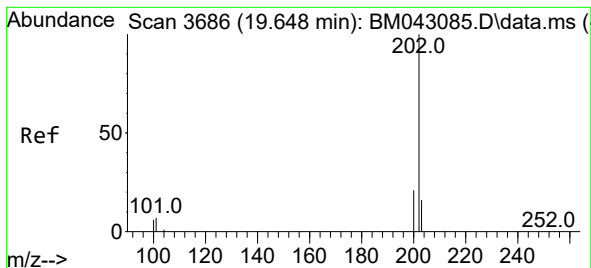
Tgt Ion:178 Resp: 2452
 Ion Ratio Lower Upper
 178 100
 179 19.2 17.3 25.9
 176 22.8 20.5 30.7



#19
 Fluoranthene
 Concen: 0.346 ng/ul
 RT: 19.270 min Scan# 3605
 Delta R.T. -0.010 min
 Lab File: BM043096.D
 Acq: 30 Nov 2023 21:53

Tgt Ion:202 Resp: 3338
 Ion Ratio Lower Upper
 202 100
 101 8.4 7.8 11.8
 100 7.8 7.1 10.7





#20

Pyrene

Concen: 0.254 ng/ul

RT: 19.633 min Scan# 30

Delta R.T. -0.015 min

Lab File: BM043096.D

Acq: 30 Nov 2023 21:53

Instrument :

BNA_M

ClientSampleId :

C0AA3

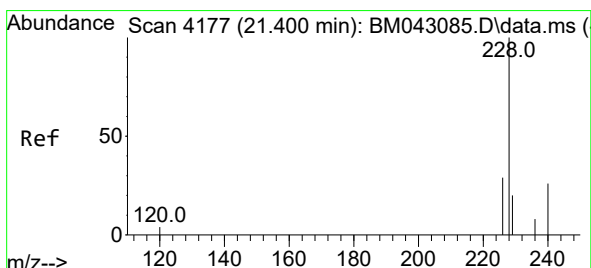
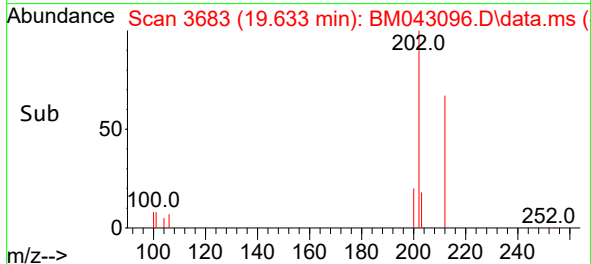
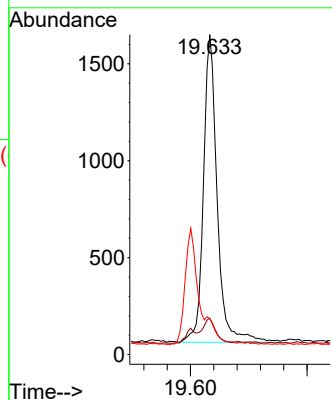
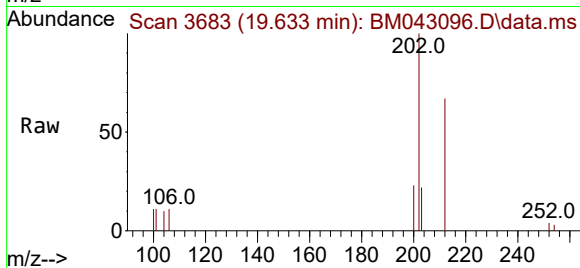
Tgt Ion:202 Resp: 2603

Ion Ratio Lower Upper

202 100

101 11.4 8.7 13.1

100 11.2 7.8 11.8



#21

Benzo(a)anthracene

Concen: 0.218 ng/ul

RT: 21.395 min Scan# 4175

Delta R.T. -0.005 min

Lab File: BM043096.D

Acq: 30 Nov 2023 21:53

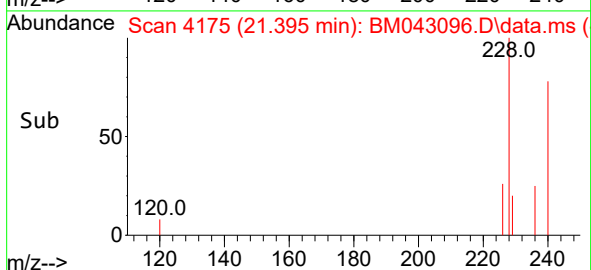
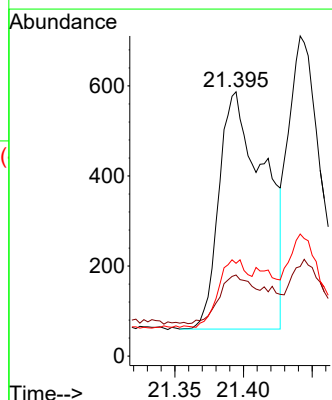
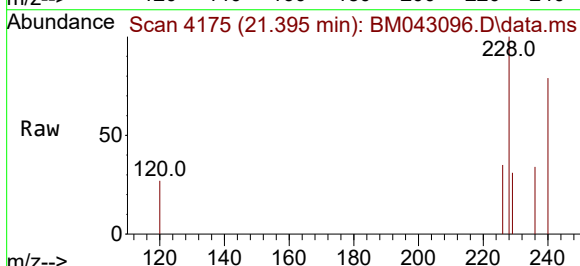
Tgt Ion:228 Resp: 1206

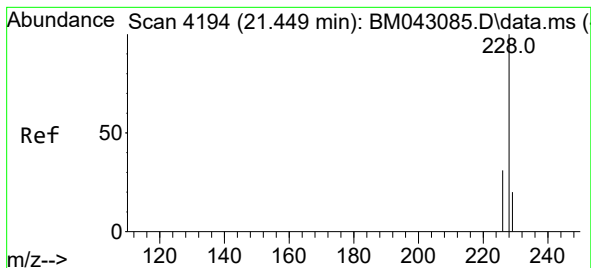
Ion Ratio Lower Upper

228 100

229 30.7 19.4 29.0#

226 35.1 24.9 37.3





#22

Chrysene

Concen: 0.127 ng/ul

RT: 21.441 min Scan# 41

Delta R.T. -0.008 min

Lab File: BM043096.D

Acq: 30 Nov 2023 21:53

Instrument :

BNA_M

ClientSampleId :

C0AA3

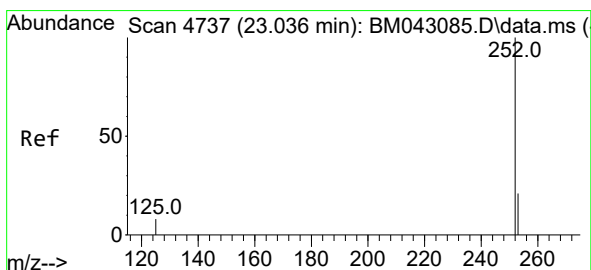
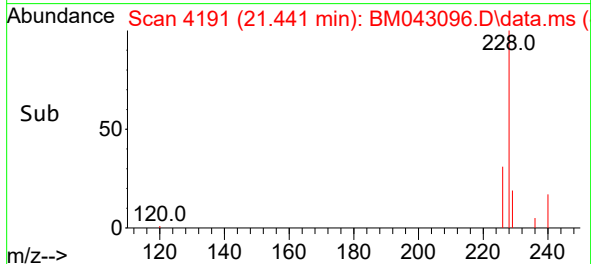
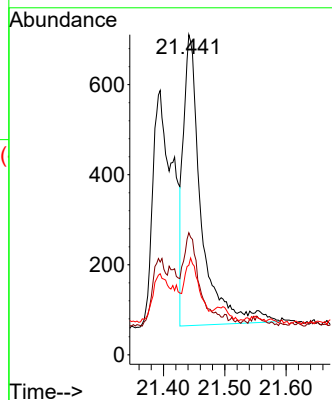
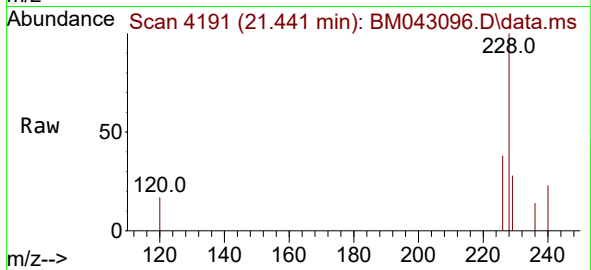
Tgt Ion:228 Resp: 1303

Ion Ratio Lower Upper

228 100

226 38.1 27.2 40.8

229 28.0 18.0 27.0#



#24

Benzo(b)fluoranthene

Concen: 0.162 ng/ul

RT: 23.031 min Scan# 4735

Delta R.T. -0.005 min

Lab File: BM043096.D

Acq: 30 Nov 2023 21:53

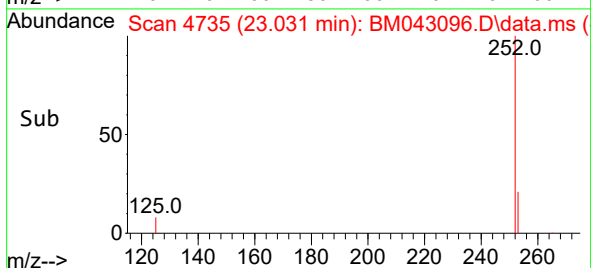
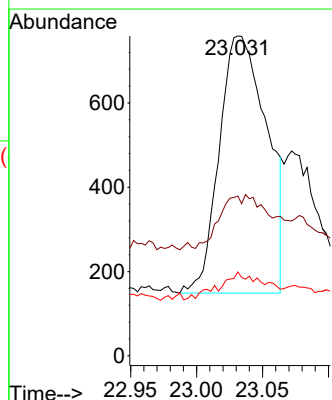
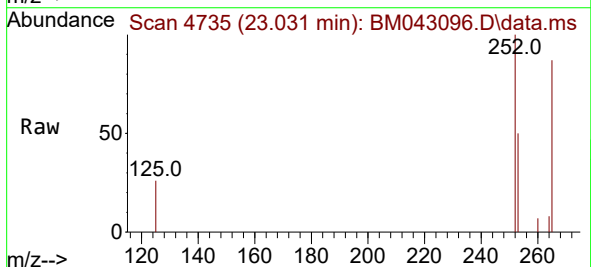
Tgt Ion:252 Resp: 1530

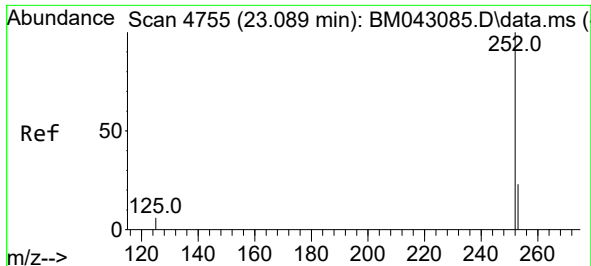
Ion Ratio Lower Upper

252 100

253 49.9 0.0 71.8

125 26.2 0.0 29.0

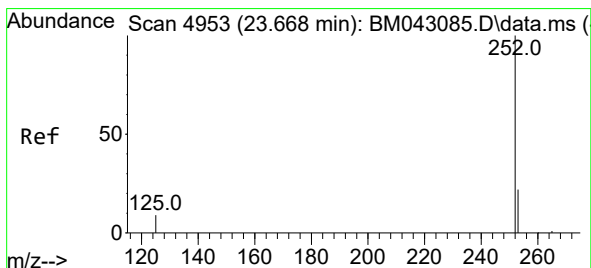
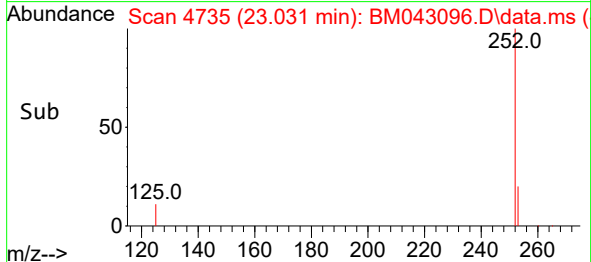
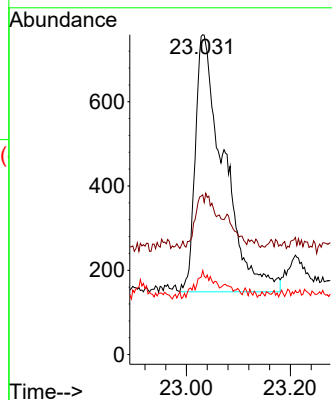
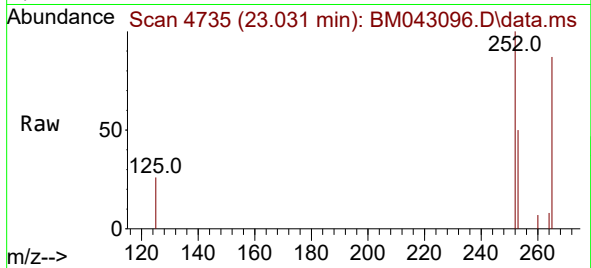




#25
Benzo(k)fluoranthene
Concen: 0.178 ng/ul
RT: 23.031 min Scan# 41
Delta R.T. -0.058 min
Lab File: BM043096.D
Acq: 30 Nov 2023 21:53

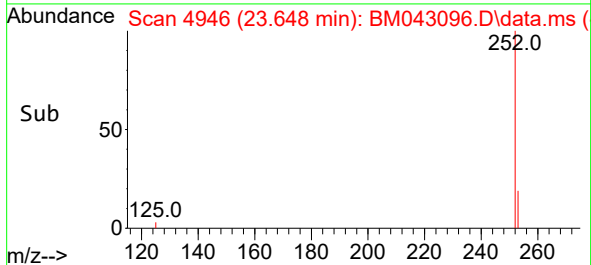
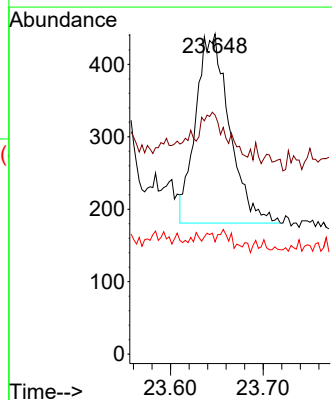
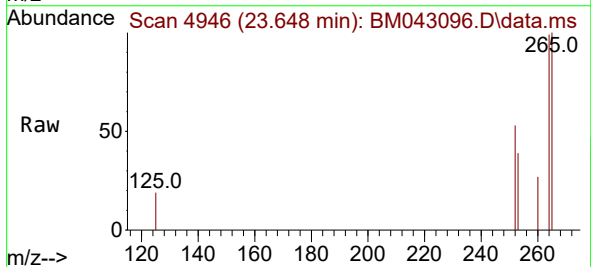
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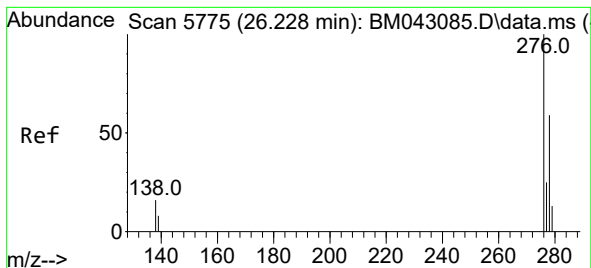
Tgt Ion:252 Resp: 2318
Ion Ratio Lower Upper
252 100
253 49.9 28.2 42.2#
125 26.2 11.0 16.6#



#26
Benzo(a)pyrene
Concen: 0.064 ng/ul
RT: 23.648 min Scan# 4946
Delta R.T. -0.020 min
Lab File: BM043096.D
Acq: 30 Nov 2023 21:53

Tgt Ion:252 Resp: 659
Ion Ratio Lower Upper
252 100
253 74.7 36.6 55.0#
125 35.1 16.2 24.4#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.046 ng/ul

RT: 26.219 min Scan# 5

Delta R.T. -0.009 min

Lab File: BM043096.D

Acq: 30 Nov 2023 21:53

Instrument :

BNA_M

ClientSampleId :

C0AA3

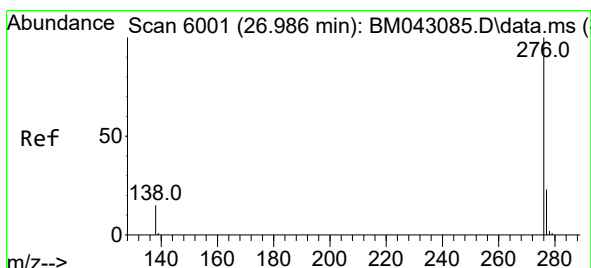
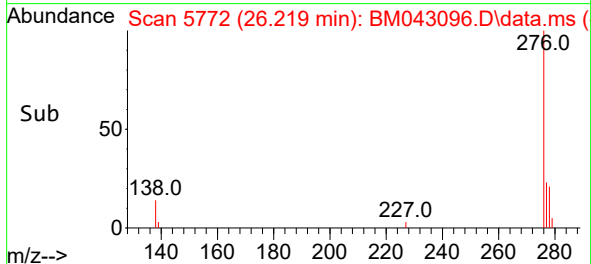
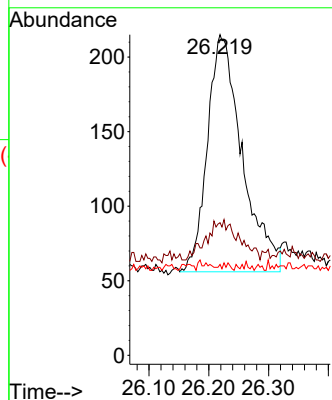
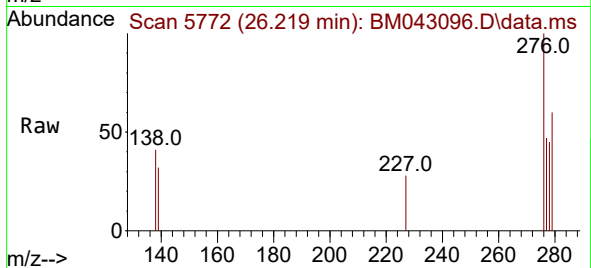
Tgt Ion:276 Resp: 642

Ion Ratio Lower Upper

276 100

138 0.0 0.0 0.0

227 0.2 0.2 0.2#



#29

Benzo(g,h,i)perylene

Concen: 0.039 ng/ul

RT: 26.983 min Scan# 6000

Delta R.T. -0.003 min

Lab File: BM043096.D

Acq: 30 Nov 2023 21:53

Tgt Ion:276 Resp: 533

Ion Ratio Lower Upper

276 100

138 43.7 17.8 26.8#

277 53.0 23.8 35.8#

