

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040623\
 Data File : BM039347.D
 Acq On : 07 Apr 2023 10:43
 Operator : CG/JU
 Sample : 02115-04
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB9C2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/10/2023
 Supervised By : Jagrut Upadhyay 04/10/2023

Quant Time: Apr 07 23:12:30 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM040623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 07 23:05:01 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.878	152	7237	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.686	136	25884	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.527	164	14257	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.278	188	25220	0.400	ng/ul	0.00
17) Chrysene-d12	21.463	240	20070	0.400	ng/ul	# 0.00
23) Perylene-d12	23.851	264	19631	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	27975	2.088	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.280	152	6149	0.205	ng/ul	0.00
18) Fluoranthene-d10	19.306	212	11979	0.192	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.735	128	2989	0.049	ng/ul#	86
7) 2-Methylnaphthalene	12.357	142	1357	0.039	ng/ul	99
8) 1-Methylnaphthalene	12.572	142	1580	0.040	ng/ul	99
10) Acenaphthylene	14.250	152	17522	0.317	ng/ul	100
11) Acenaphthene	14.587	153	17220	0.395	ng/ul	99
12) Fluorene	15.577	166	16650	0.384	ng/ul	99
15) Phenanthrene	17.316	178	385092	5.505	ng/ul	98
16) Anthracene	17.409	178	67773	1.273	ng/ul	96
19) Fluoranthene	19.334	202	1040996	12.531	ng/ul	100
20) Pyrene	19.701	202	524962	5.511	ng/ul	98
21) Benzo(a)anthracene	21.445	228	416377	8.996	ng/ul	99
22) Chrysene	21.498	228	470716	8.296	ng/ul	99
24) Benzo(b)fluoranthene	23.123	252	675764	10.853	ng/ul	80
25) Benzo(k)fluoranthene	23.167	252	207878m	3.501	ng/ul	
26) Benzo(a)pyrene	23.746	252	120878	1.926	ng/ul#	72
27) Indeno(1,2,3-cd)pyrene	26.324	276	158162	2.001	ng/ul	95
28) Dibenzo(a,h)anthracene	26.330	278	65913m	1.191	ng/ul	
29) Benzo(g,h,i)perylene	27.085	276	7161	0.094	ng/ul#	58

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

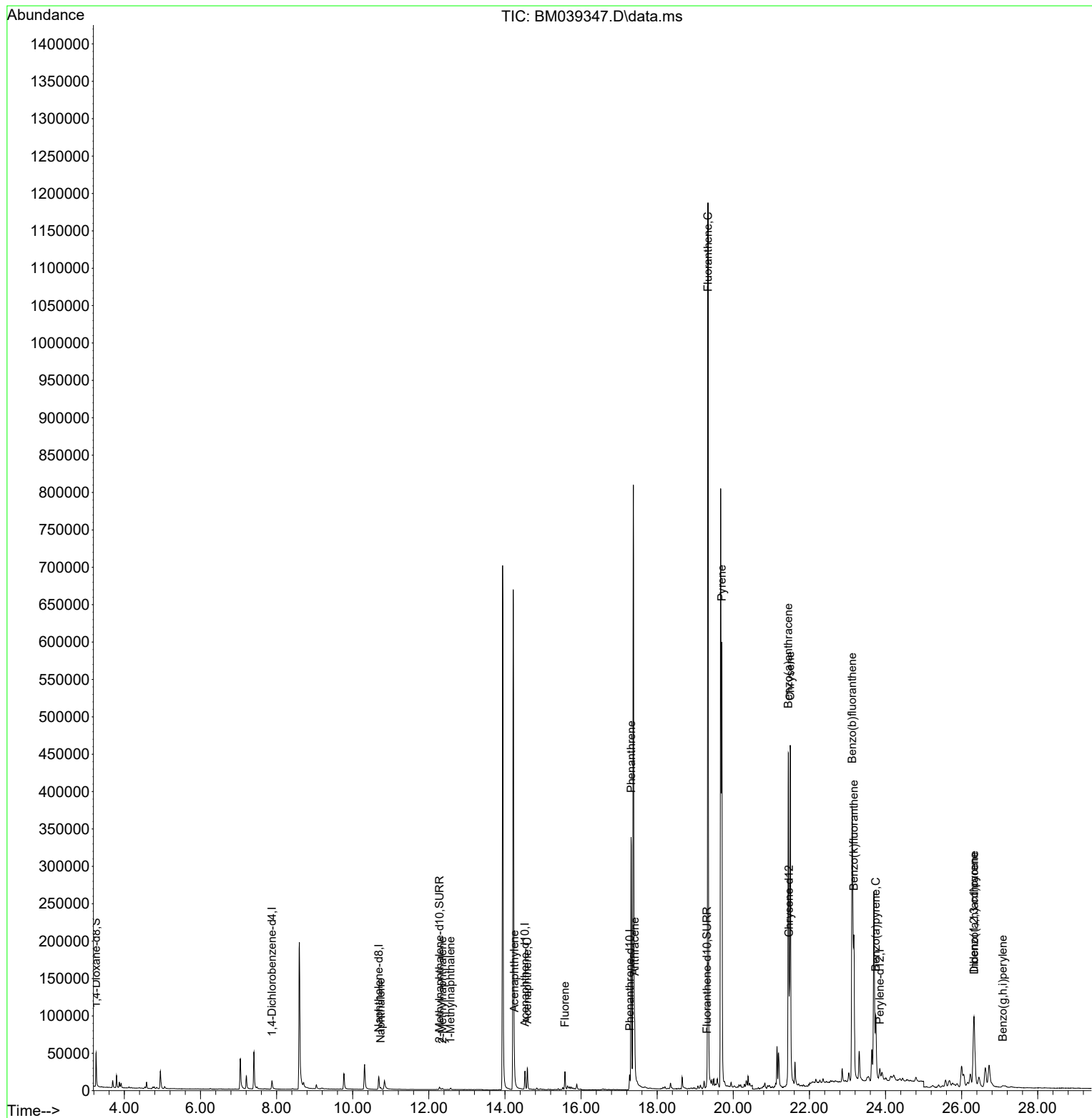
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040623\
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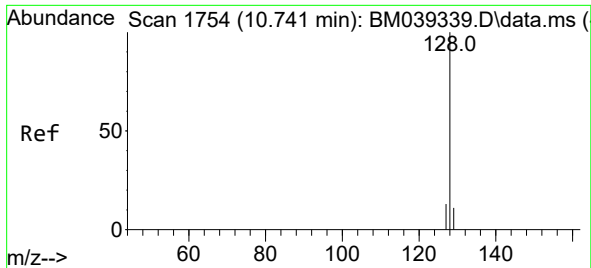
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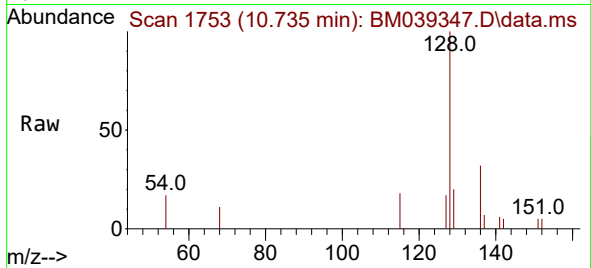
Reviewed By :Christian Giraldo 04/10/2023
Supervised By :Jagrut Upadhyay 04/10/2023





#5
Naphthalene
Concen: 0.049 ng/ul
RT: 10.735 min Scan# 1753
Delta R.T. -0.006 min
Lab File: BM039347.D
Acq: 07 Apr 2023 10:43

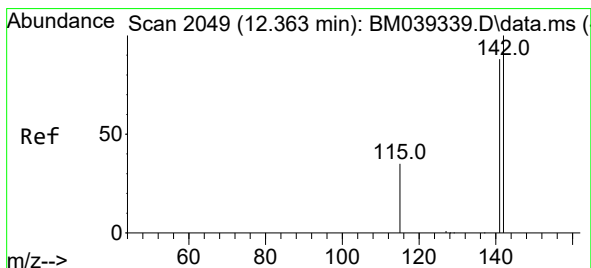
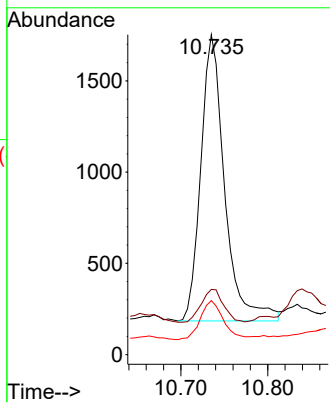
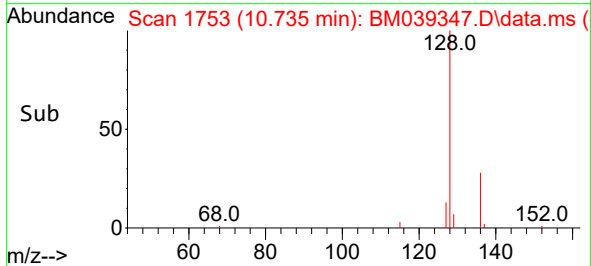
Instrument :
BNA_M
ClientSampleId :
CB9C2



Tgt Ion:128 Resp: 2989
Ion Ratio Lower Upper
128 100
129 20.4 10.1 15.1
127 16.9 11.0 16.4

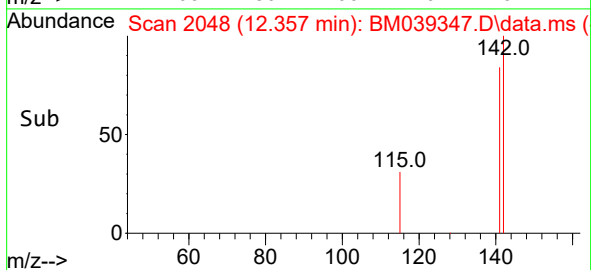
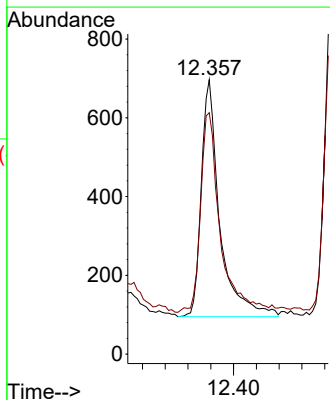
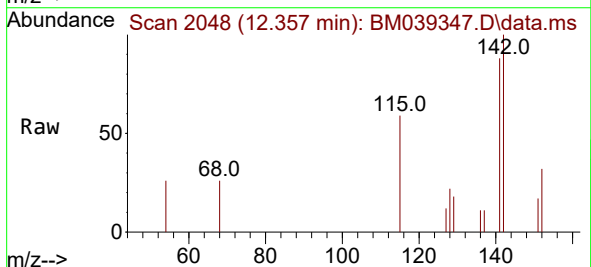
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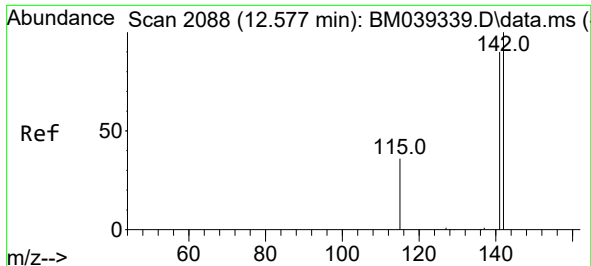
Reviewed By :Christian Giraldo 04/10/2023
Supervised By :Jagrut Upadhyay 04/10/2023



#7
2-Methylnaphthalene
Concen: 0.039 ng/ul
RT: 12.357 min Scan# 2048
Delta R.T. -0.000 min
Lab File: BM039347.D
Acq: 07 Apr 2023 10:43

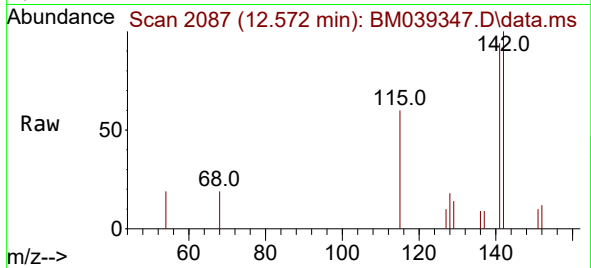
Tgt Ion:142 Resp: 1357
Ion Ratio Lower Upper
142 100
141 90.2 71.8 107.6





#8
1-Methylnaphthalene
Concen: 0.040 ng/ul
RT: 12.572 min Scan# 2087
Delta R.T. -0.000 min
Lab File: BM039347.D
Acq: 07 Apr 2023 10:43

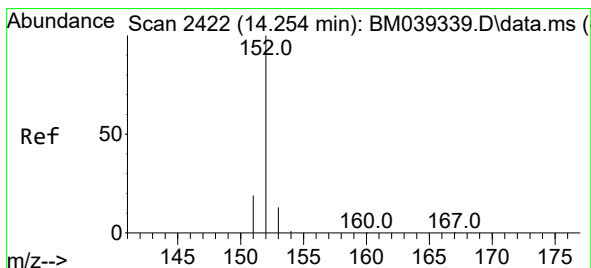
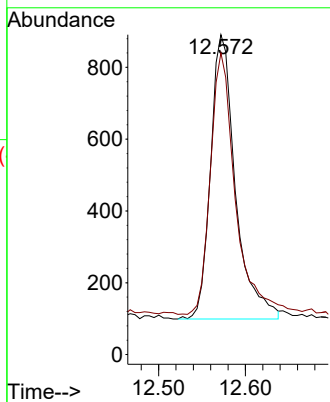
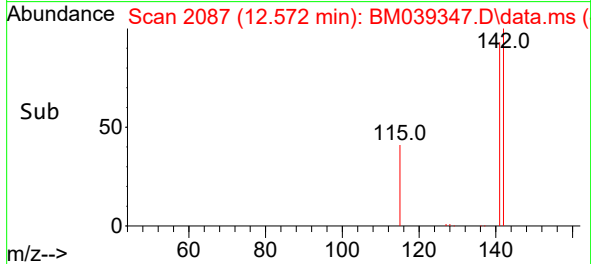
Instrument :
BNA_M
ClientSampleId :
CB9C2



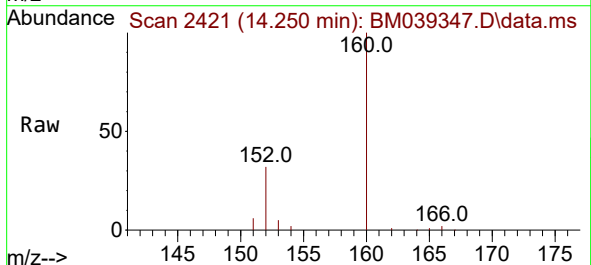
Tgt Ion:142 Resp: 1580
Ion Ratio Lower Upper
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141 91.6 72.6 109.0

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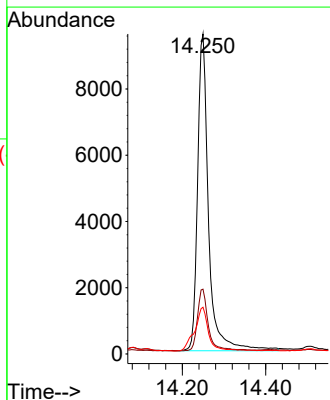
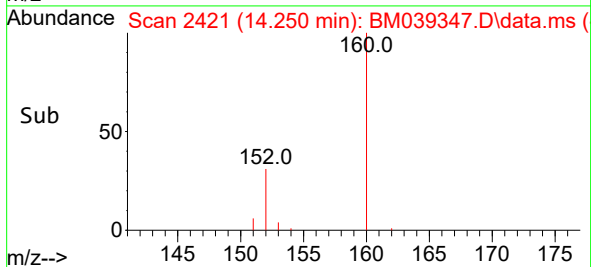
Reviewed By :Christian Giraldo 04/10/2023
Supervised By :Jagrut Upadhyay 04/10/2023

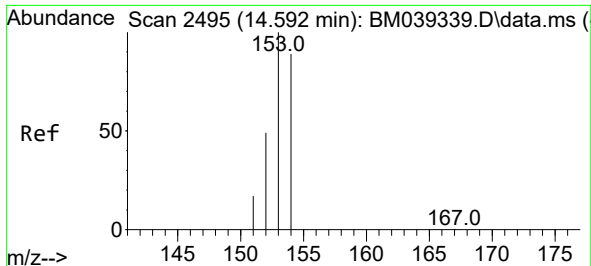


#10
Acenaphthylene
Concen: 0.317 ng/ul
RT: 14.250 min Scan# 2421
Delta R.T. -0.000 min
Lab File: BM039347.D
Acq: 07 Apr 2023 10:43



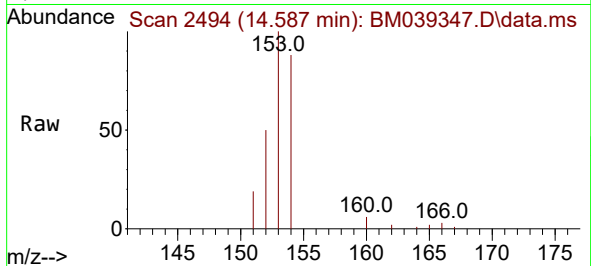
Tgt Ion:152 Resp: 17522
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.4
153 14.6 11.6 17.4





#11
Acenaphthene
Concen: 0.395 ng/ul
RT: 14.587 min Scan# 2494
Delta R.T. -0.005 min
Lab File: BM039347.D
Acq: 07 Apr 2023 10:43

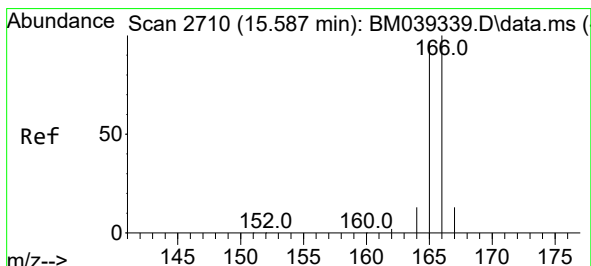
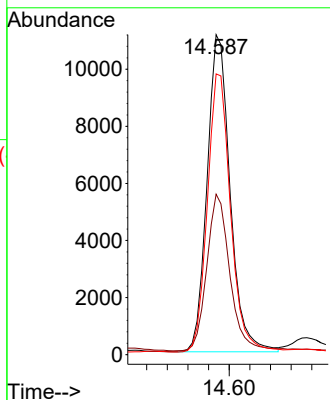
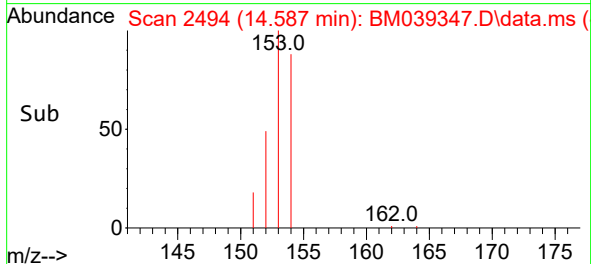
Instrument :
BNA_M
ClientSampleId :
CB9C2



Tgt Ion:153 Resp: 17220
Ion Ratio Lower Upper
153 100
152 50.2 40.3 60.5
154 87.7 71.5 107.3

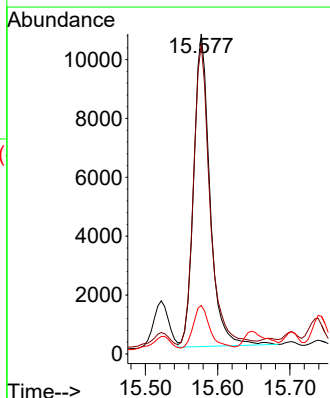
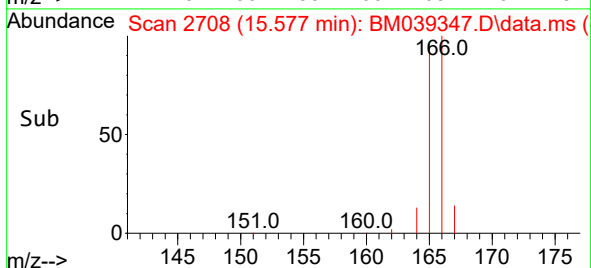
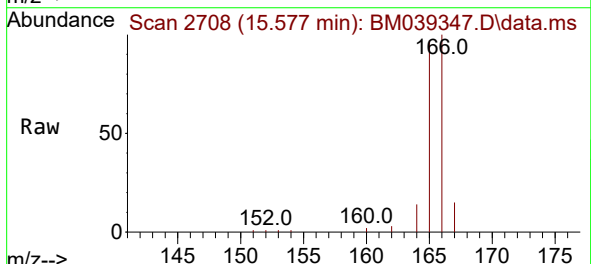
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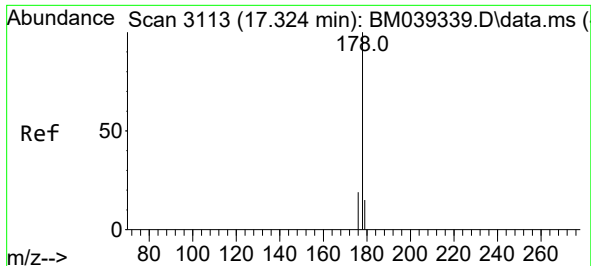
Reviewed By :Christian Giraldo 04/10/2023
Supervised By :Jagrut Upadhyay 04/10/2023



#12
Fluorene
Concen: 0.384 ng/ul
RT: 15.577 min Scan# 2708
Delta R.T. -0.005 min
Lab File: BM039347.D
Acq: 07 Apr 2023 10:43

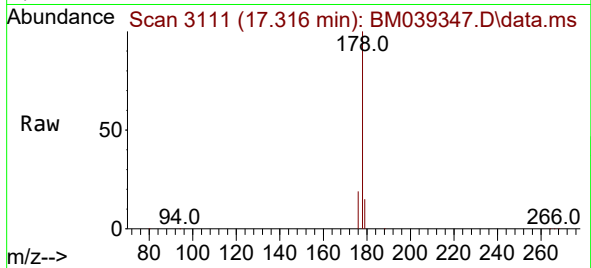
Tgt Ion:166 Resp: 16650
Ion Ratio Lower Upper
166 100
165 96.8 77.8 116.8
167 15.2 11.8 17.6





#15
Phenanthrene
Concen: 5.505 ng/ul
RT: 17.316 min Scan# 3111
Delta R.T. -0.004 min
Lab File: BM039347.D
Acq: 07 Apr 2023 10:43

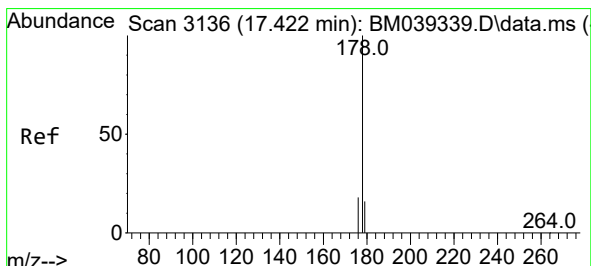
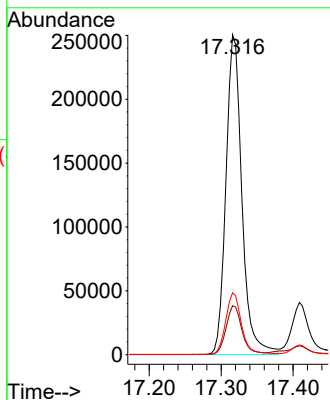
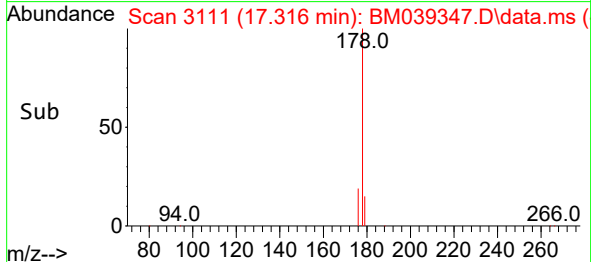
Instrument :
BNA_M
ClientSampleId :
CB9C2



Tgt Ion:178 Resp: 385092
Ion Ratio Lower Upper
178 100
179 15.3 13.4 20.2
176 19.3 15.8 23.6

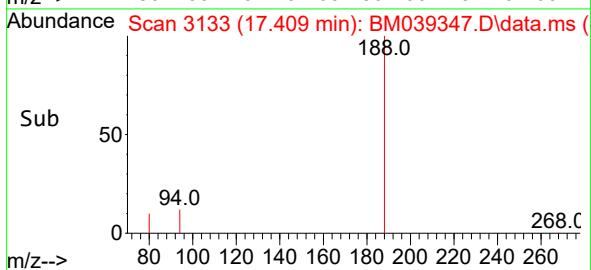
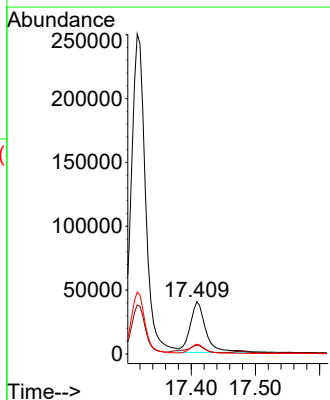
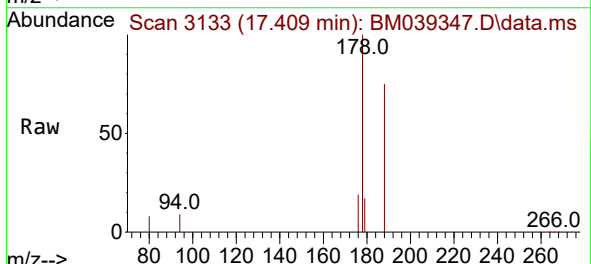
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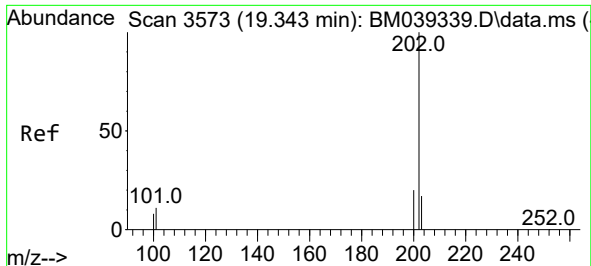
Reviewed By :Christian Giraldo 04/10/2023
Supervised By :Jagrut Upadhyay 04/10/2023



#16
Anthracene
Concen: 1.273 ng/ul
RT: 17.409 min Scan# 3133
Delta R.T. -0.009 min
Lab File: BM039347.D
Acq: 07 Apr 2023 10:43

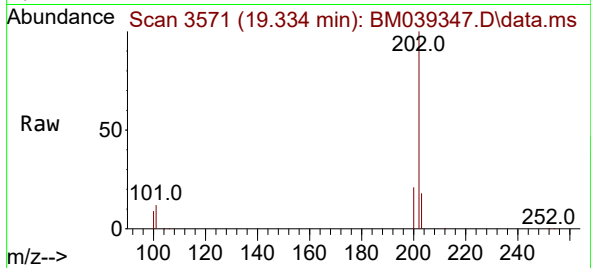
Tgt Ion:178 Resp: 67773
Ion Ratio Lower Upper
178 100
179 16.9 14.6 21.8
176 18.8 16.6 24.8





#19
Fluoranthene
Concen: 12.531 ng/ul
RT: 19.334 min Scan# 3571
Delta R.T. -0.005 min
Lab File: BM039347.D
Acq: 07 Apr 2023 10:43

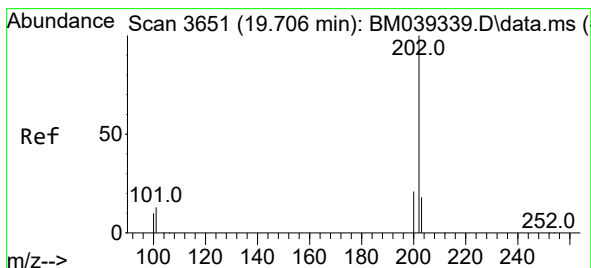
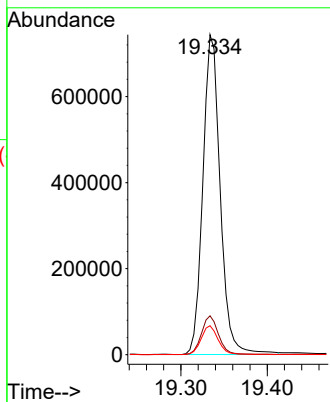
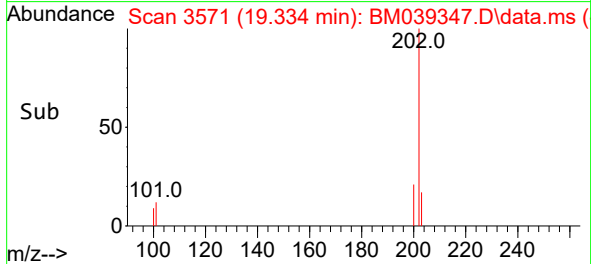
Instrument :
BNA_M
ClientSampleId :
CB9C2



Tgt Ion:202 Resp: 1040990
Ion Ratio Lower Upper
202 100
101 12.1 9.7 14.5
100 9.1 7.4 11.0

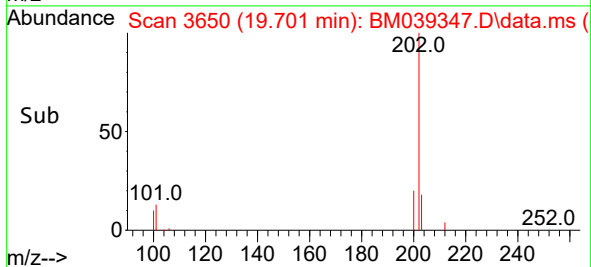
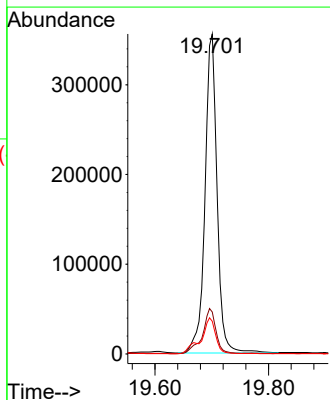
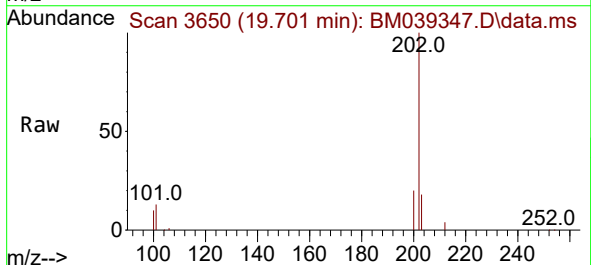
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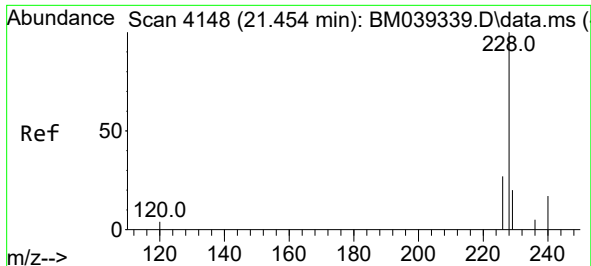
Reviewed By :Christian Giraldo 04/10/2023
Supervised By :Jagrut Upadhyay 04/10/2023



#20
Pyrene
Concen: 5.511 ng/ul
RT: 19.701 min Scan# 3650
Delta R.T. -0.000 min
Lab File: BM039347.D
Acq: 07 Apr 2023 10:43

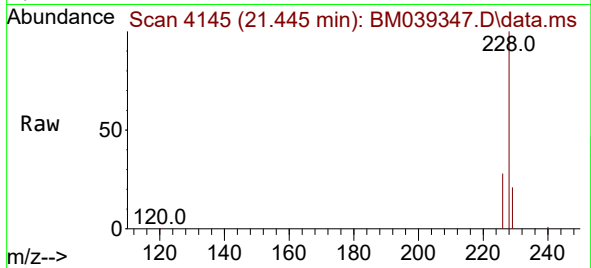
Tgt Ion:202 Resp: 524962
Ion Ratio Lower Upper
202 100
101 13.1 11.1 16.7
100 10.2 8.8 13.2





#21
Benzo(a)anthracene
Concen: 8.996 ng/ul
RT: 21.445 min Scan# 411
Delta R.T. -0.006 min
Lab File: BM039347.D
Acq: 07 Apr 2023 10:43

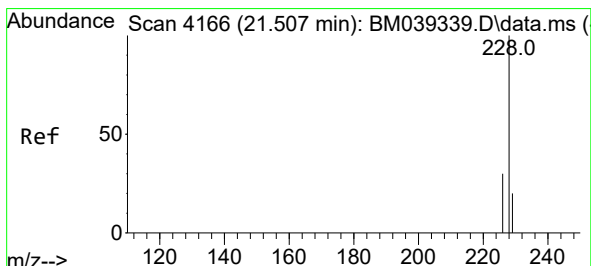
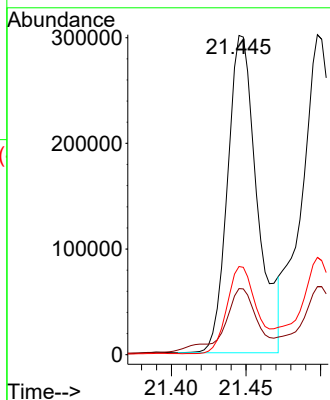
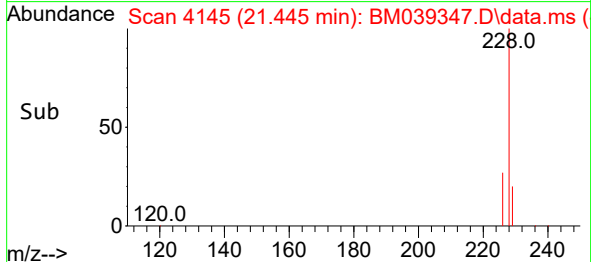
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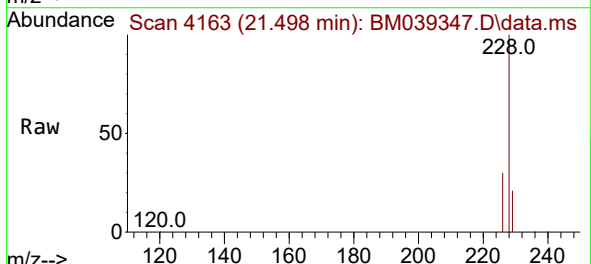
Tgt Ion:228 Resp: 41637
Ion Ratio Lower Upper
228 100
229 20.7 16.6 24.8
226 27.6 22.6 34.0

Manual Integrations
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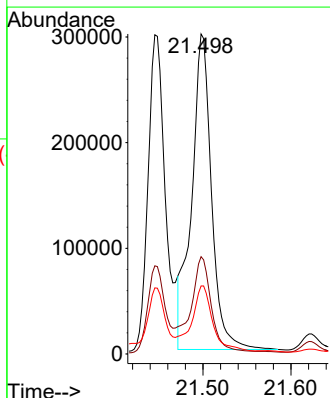
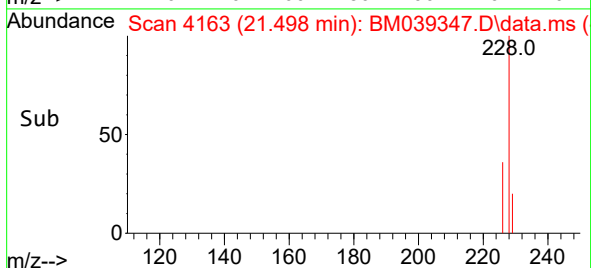
Reviewed By :Christian Giraldo 04/10/2023
Supervised By :Jagrut Upadhyay 04/10/2023

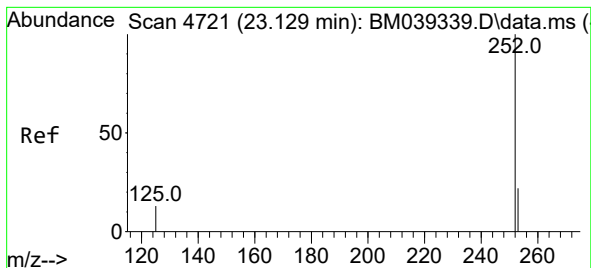


#22
Chrysene
Concen: 8.296 ng/ul
RT: 21.498 min Scan# 4163
Delta R.T. -0.006 min
Lab File: BM039347.D
Acq: 07 Apr 2023 10:43



Tgt Ion:228 Resp: 470716
Ion Ratio Lower Upper
228 100
226 30.4 24.2 36.2
229 21.3 16.2 24.4





#24

Benzo(b)fluoranthene

Concen: 10.853 ng/ul

RT: 23.123 min Scan# 4719

Delta R.T. -0.006 min

Lab File: BM039347.D

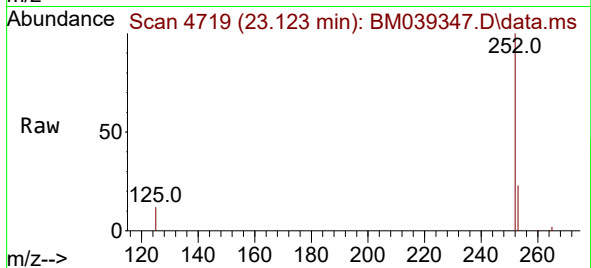
Acq: 07 Apr 2023 10:43

Instrument :

BNA_M

ClientSampleId :

CB9C2



Tgt Ion:252 Resp: 675764

Ion Ratio Lower Upper

252 100

253 23.1 0.0 64.4

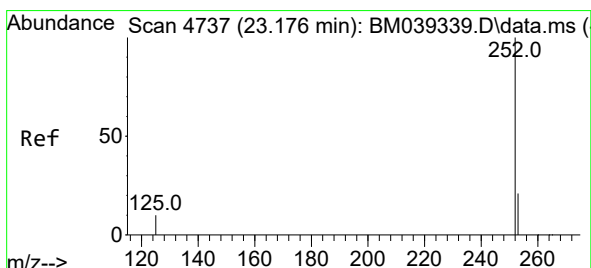
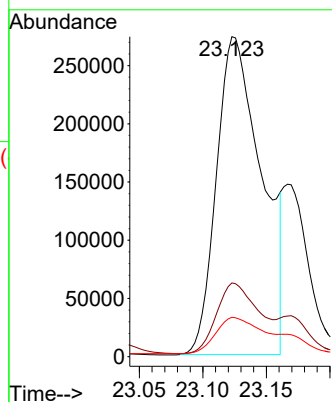
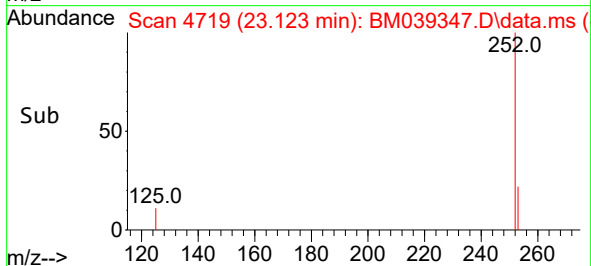
125 12.3 0.0 50.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/10/2023

Supervised By :Jagrut Upadhyay 04/10/2023



#25

Benzo(k)fluoranthene

Concen: 3.501 ng/ul m

RT: 23.167 min Scan# 4734

Delta R.T. -0.009 min

Lab File: BM039347.D

Acq: 07 Apr 2023 10:43

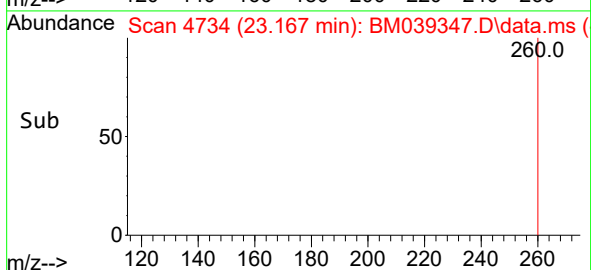
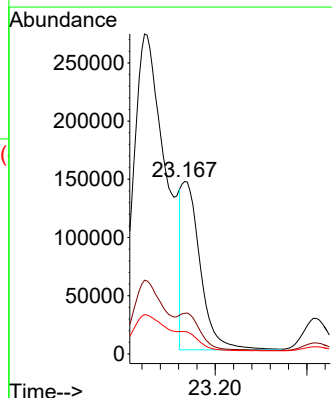
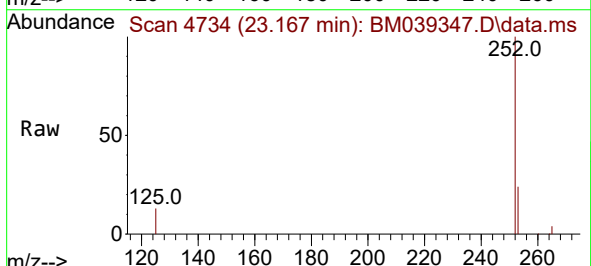
Tgt Ion:252 Resp: 207878

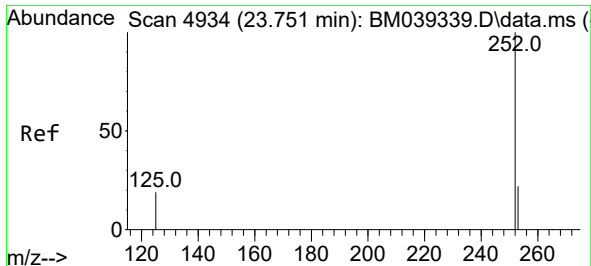
Ion Ratio Lower Upper

252 100

253 23.6 25.5 38.3#

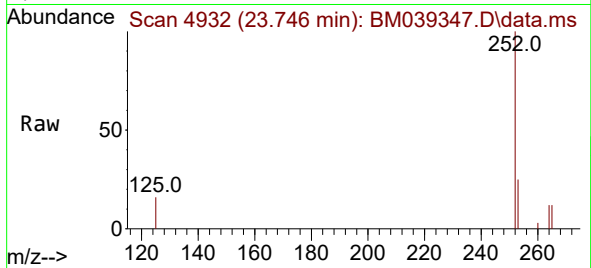
125 13.0 20.4 30.6#





#26
Benzo(a)pyrene
Concen: 1.926 ng/ul
RT: 23.746 min Scan# 4934
Delta R.T. -0.003 min
Lab File: BM039347.D
Acq: 07 Apr 2023 10:43

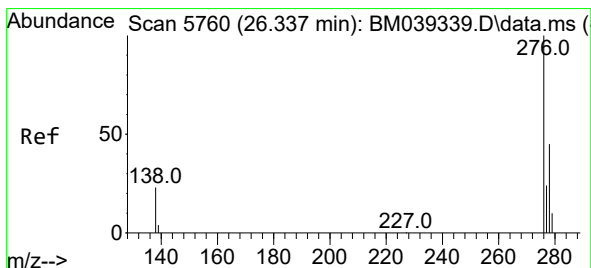
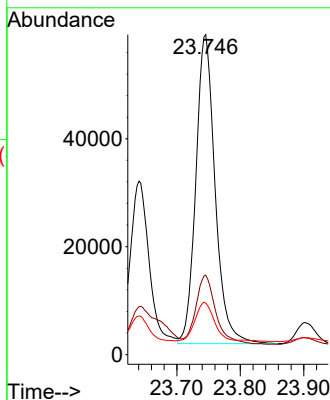
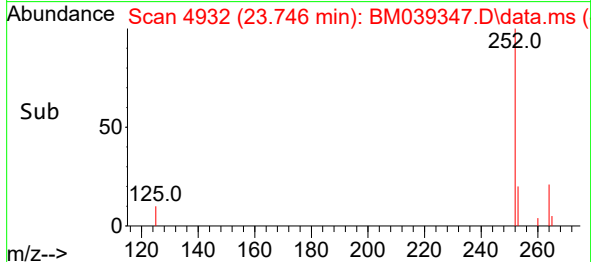
Instrument :
BNA_M
ClientSampleId :
CB9C2



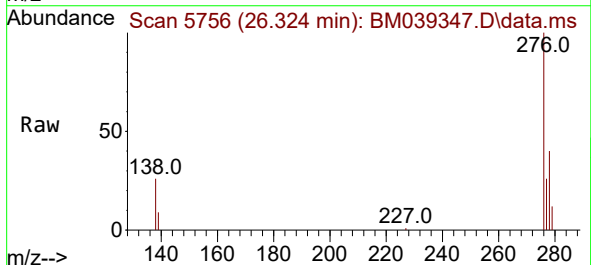
Tgt Ion:252 Resp: 120878
Ion Ratio Lower Upper
252 100
253 24.8 31.0 46.4
125 16.1 28.2 42.4

Manual Integrations
APPROVED

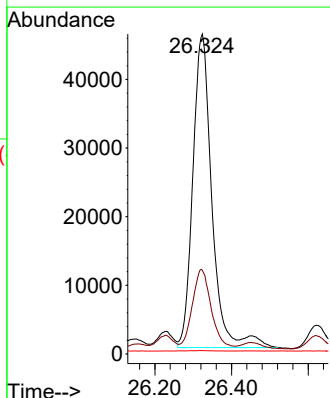
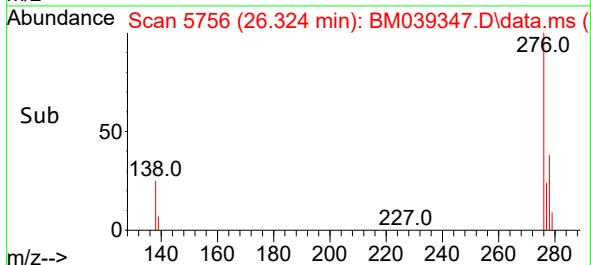
Reviewed By :Christian Giraldo 04/10/2023
Supervised By :Jagrut Upadhyay 04/10/2023

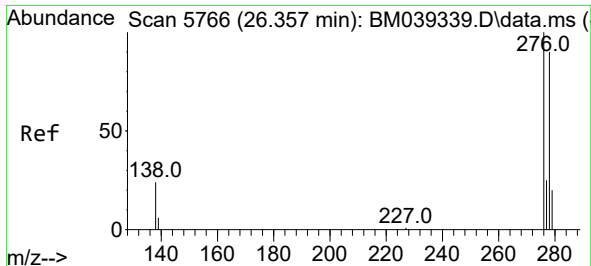


#27
Indeno(1,2,3-cd)pyrene
Concen: 2.001 ng/ul
RT: 26.324 min Scan# 5756
Delta R.T. -0.014 min
Lab File: BM039347.D
Acq: 07 Apr 2023 10:43



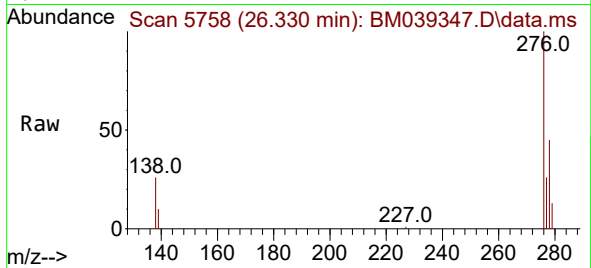
Tgt Ion:276 Resp: 158162
Ion Ratio Lower Upper
276 100
138 23.9 21.4 32.0
227 0.1 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 1.191 ng/ul m
RT: 26.330 min Scan# 5758
Delta R.T. -0.024 min
Lab File: BM039347.D
Acq: 07 Apr 2023 10:43

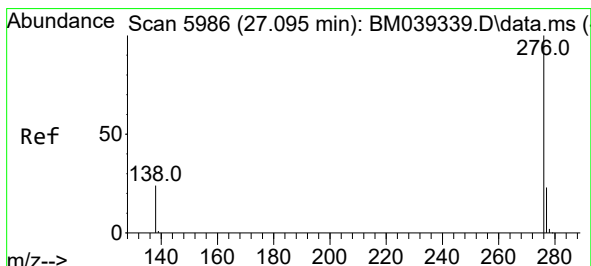
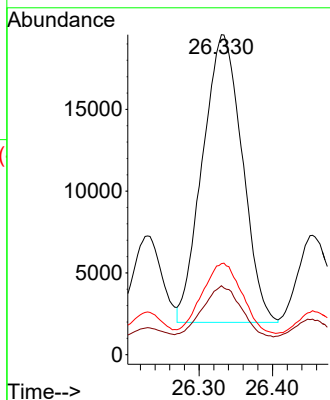
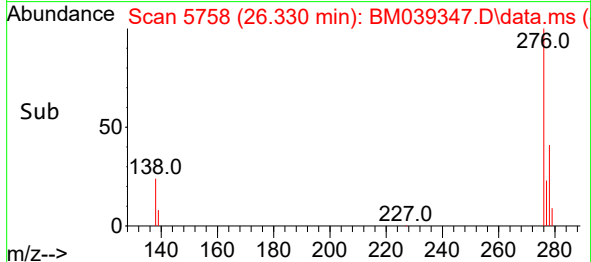
Instrument :
BNA_M
ClientSampleId :
CB9C2



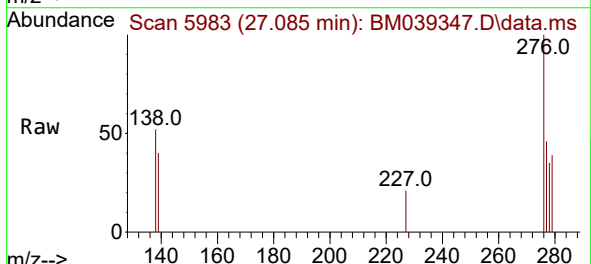
Tgt Ion:278 Resp: 6591
Ion Ratio Lower Upper
278 100
139 21.6 21.8 32.6
279 28.5 30.0 45.0

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/10/2023
Supervised By :Jagrut Upadhyay 04/10/2023



#29
Benzo(g,h,i)perylene
Concen: 0.094 ng/ul
RT: 27.085 min Scan# 5983
Delta R.T. -0.003 min
Lab File: BM039347.D
Acq: 07 Apr 2023 10:43



Tgt Ion:276 Resp: 7161
Ion Ratio Lower Upper
276 100
138 52.1 22.2 33.2#
277 45.7 21.2 31.8#

