

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050523\
 Data File : BM039840.D
 Acq On : 05 May 2023 11:31
 Operator : CG/JU
 Sample : 02447-20DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW938DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/08/2023
 Supervised By : Jagrut Upadhyay 05/08/2023

Quant Time: May 06 02:20:33 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 06 02:18:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.800	152	1814	0.400	ng/ul	-0.05
4) Naphthalene-d8	10.601	136	7398	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.437	164	4832	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.191	188	12931	0.400	ng/ul	#-0.02
17) Chrysene-d12	21.388	240	10068	0.400	ng/ul	#-0.02
23) Perylene-d12	23.735	264	11160	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.176	96	587	0.220	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.212	152	203m	0.021	ng/ul	0.00
18) Fluoranthene-d10	19.225	212	774	0.029	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.650	128	2812	0.151	ng/ul#	84
7) 2-Methylnaphthalene	12.283	142	2030	0.189	ng/ul	97
8) 1-Methylnaphthalene	12.487	142	1381	0.120	ng/ul	100
10) Acenaphthylene	14.159	152	3919	0.210	ng/ul#	91
11) Acenaphthene	14.502	153	2614	0.178	ng/ul	99
12) Fluorene	15.496	166	3061	0.188	ng/ul#	97
15) Phenanthrene	17.229	178	71415	2.096	ng/ul	99
16) Anthracene	17.326	178	15060	0.515	ng/ul	98
19) Fluoranthene	19.253	202	171604	4.778	ng/ul	99
20) Pyrene	19.620	202	161421	4.162	ng/ul	98
21) Benzo(a)anthracene	21.373	228	104258	3.602	ng/ul	98
22) Chrysene	21.426	228	109147	3.332	ng/ul	98
24) Benzo(b)fluoranthene	23.021	252	175192m	4.470	ng/ul	
25) Benzo(k)fluoranthene	23.062	252	62870m	1.575	ng/ul	
26) Benzo(a)pyrene	23.627	252	108729	3.090	ng/ul#	87
27) Indeno(1,2,3-cd)pyrene	26.154	276	93023	2.091	ng/ul#	91
28) Dibenzo(a,h)anthracene	26.161	278	23386	0.677	ng/ul	96
29) Benzo(g,h,i)perylene	26.902	276	94168	2.429	ng/ul	98

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

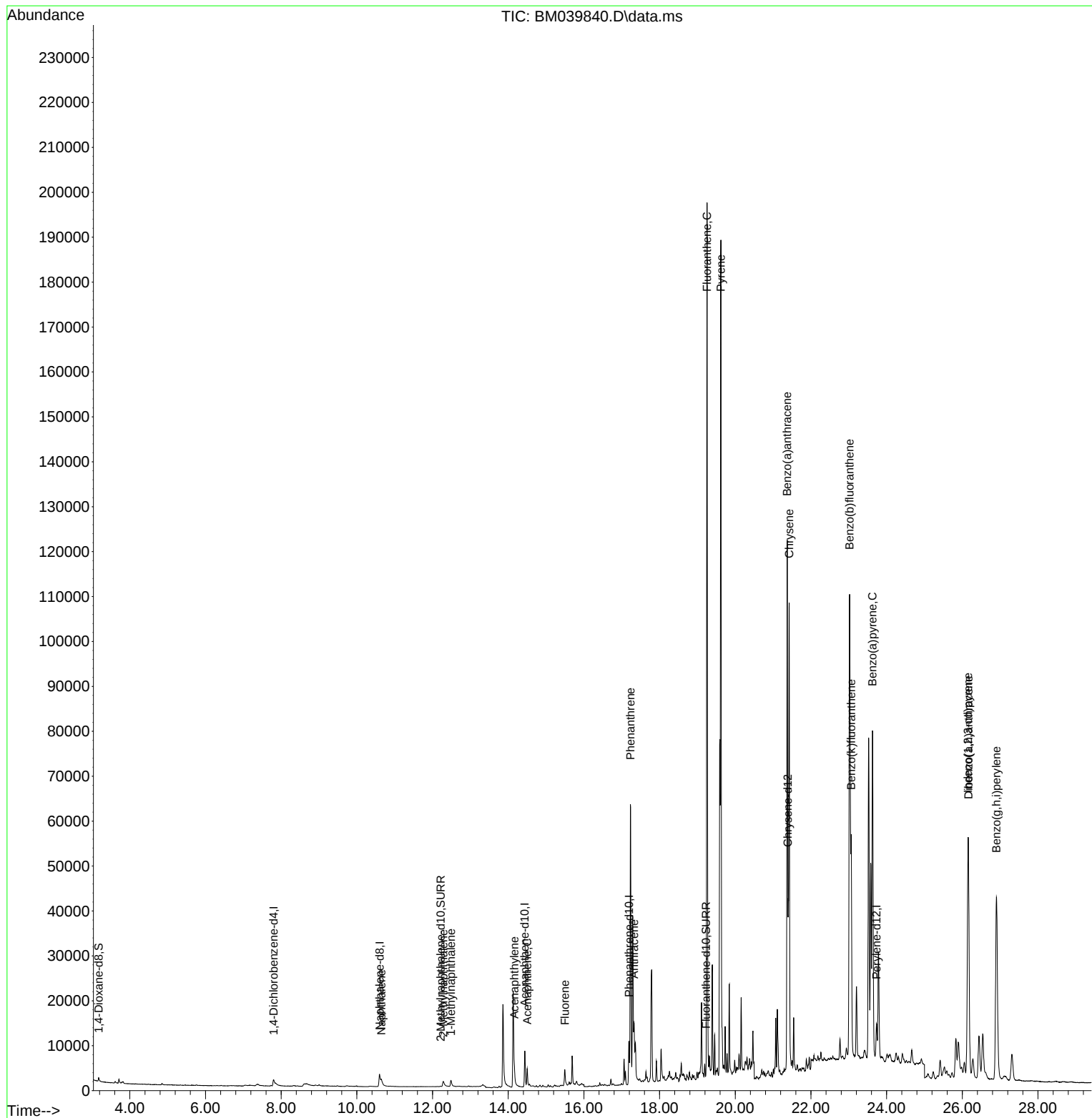
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050523\
Data File : BM039840.D
Acq On : 05 May 2023 11:31
Operator : CG/JU
Sample : 02447-20DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

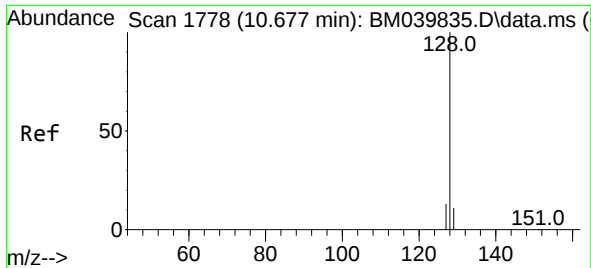
Instrument :
BNA_M
ClientSampleId :
EW938DL

Quant Time: May 06 02:20:33 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 06 02:18:19 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

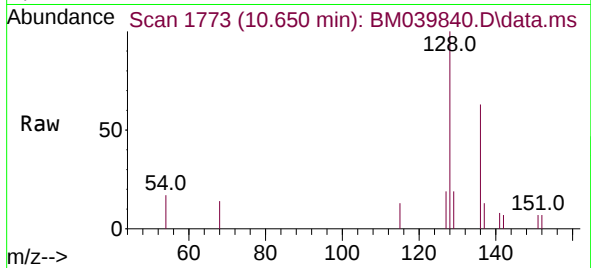
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023





#5
Naphthalene
Concen: 0.151 ng/ul
RT: 10.650 min Scan# 1773
Delta R.T. -0.011 min
Lab File: BM039840.D
Acq: 05 May 2023 11:31

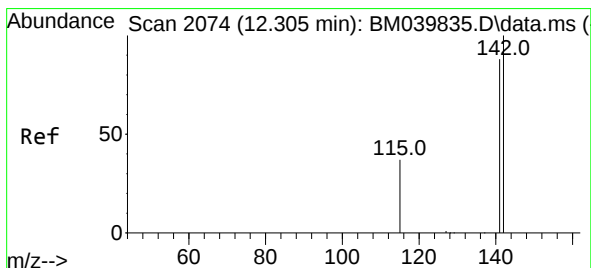
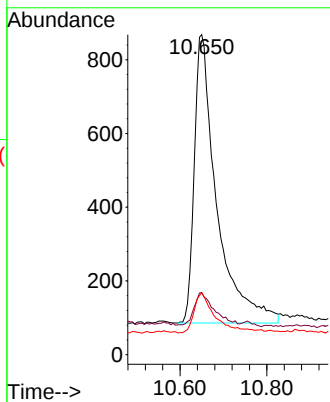
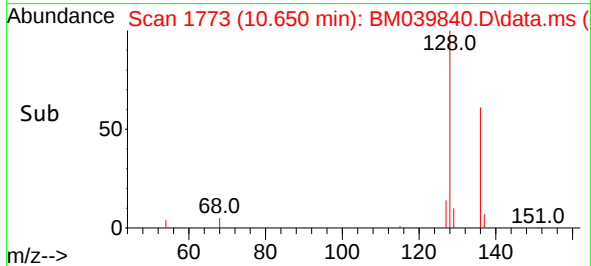
Instrument :
BNA_M
ClientSampleId :
EW938DL



Tgt Ion:128 Resp: 281
Ion Ratio Lower Upper
128 100
129 19.5 9.8 14.6
127 19.4 11.1 16.7

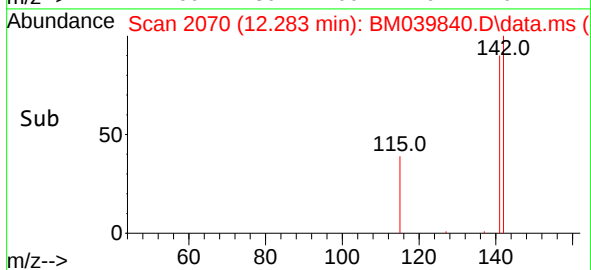
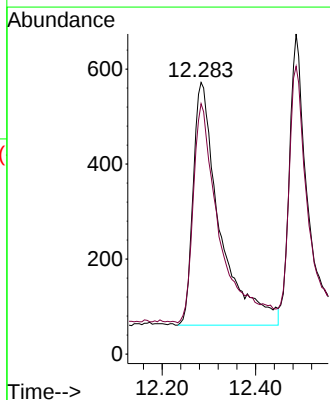
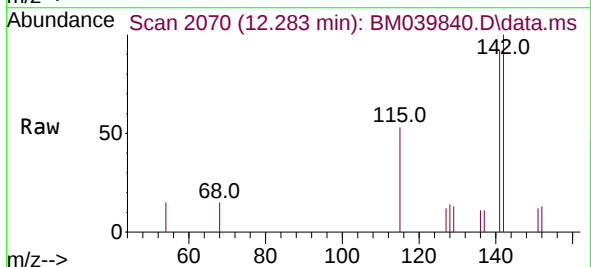
Manual Integrations
APPROVED

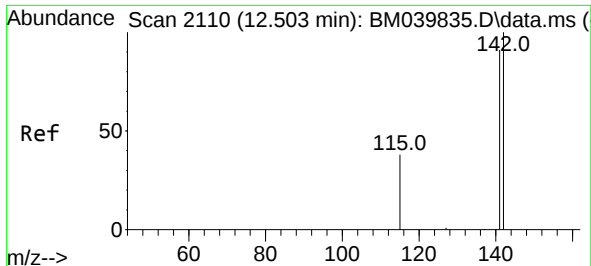
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#7
2-Methylnaphthalene
Concen: 0.189 ng/ul
RT: 12.283 min Scan# 2070
Delta R.T. -0.005 min
Lab File: BM039840.D
Acq: 05 May 2023 11:31

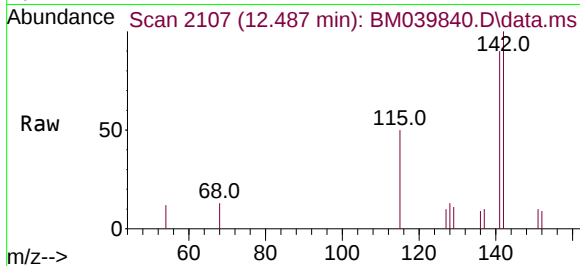
Tgt Ion:142 Resp: 2030
Ion Ratio Lower Upper
142 100
141 88.4 73.2 109.8





#8
1-Methylnaphthalene
Concen: 0.120 ng/ul
RT: 12.487 min Scan# 2110
Delta R.T. -0.005 min
Lab File: BM039840.D
Acq: 05 May 2023 11:31

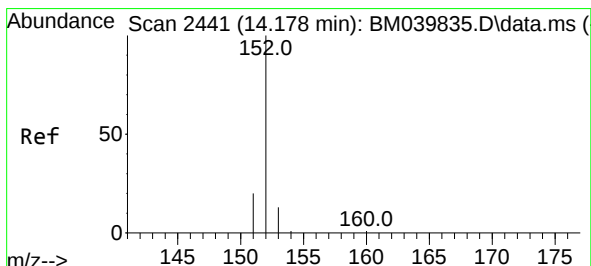
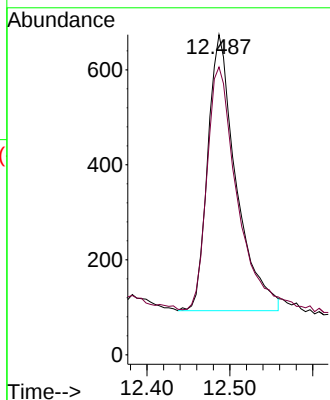
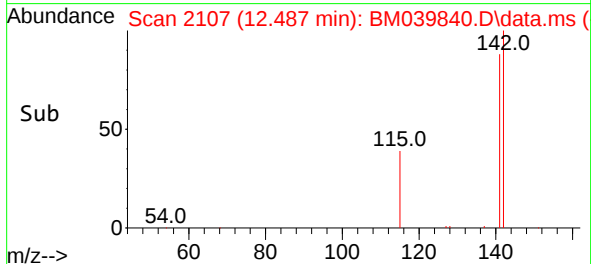
Instrument :
BNA_M
ClientSampleId :
EW938DL



Tgt Ion:142 Resp: 138
Ion Ratio Lower Upper
142 100
141 92.1 73.4 110.2

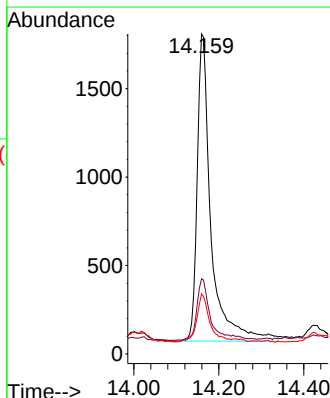
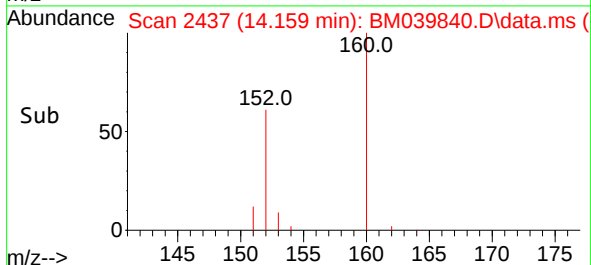
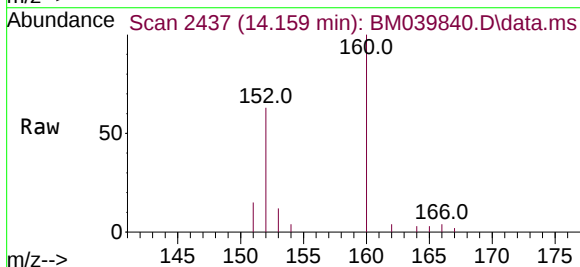
Manual Integrations
APPROVED

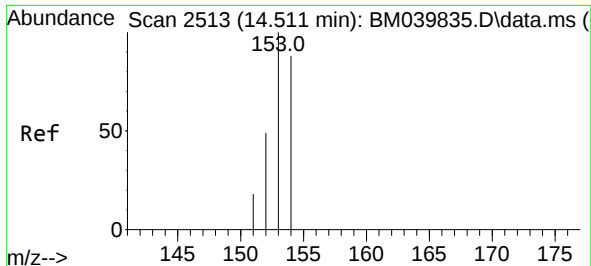
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#10
Acenaphthylene
Concen: 0.210 ng/ul
RT: 14.159 min Scan# 2437
Delta R.T. -0.014 min
Lab File: BM039840.D
Acq: 05 May 2023 11:31

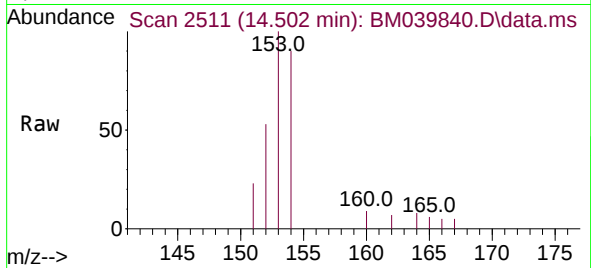
Tgt Ion:152 Resp: 3919
Ion Ratio Lower Upper
152 100
151 23.5 16.0 24.0
153 18.7 11.2 16.8#





#11
Acenaphthene
Concen: 0.178 ng/ul
RT: 14.502 min Scan# 2114
Delta R.T. -0.009 min
Lab File: BM039840.D
Acq: 05 May 2023 11:31

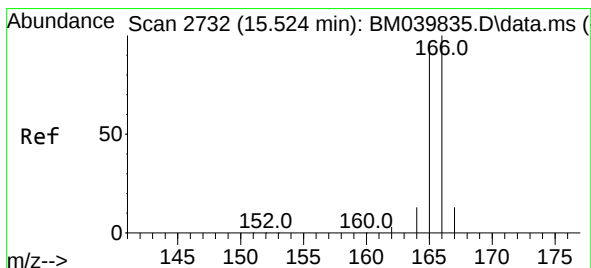
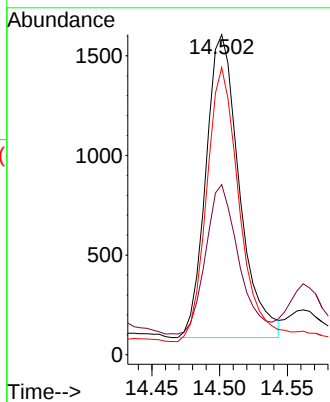
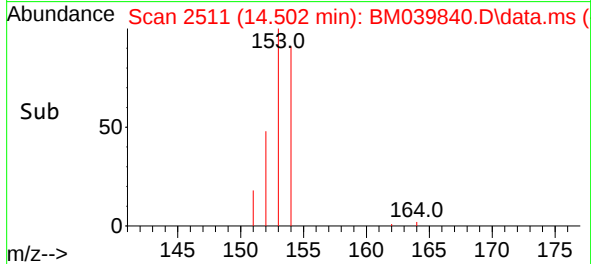
Instrument :
BNA_M
ClientSampleId :
EW938DL



Tgt Ion:153 Resp: 2614
Ion Ratio Lower Upper
153 100
152 53.2 40.6 61.0
154 89.7 71.9 107.9

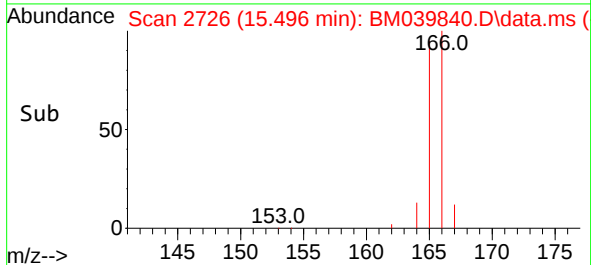
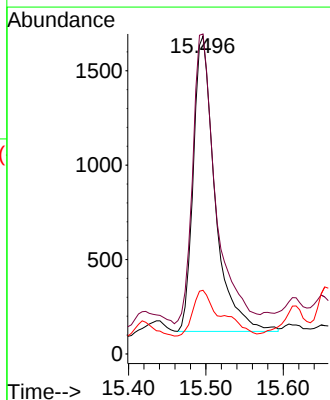
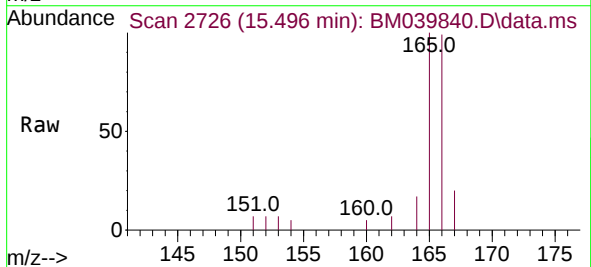
Manual Integrations
APPROVED

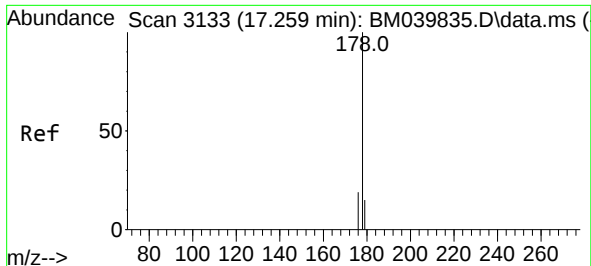
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#12
Fluorene
Concen: 0.188 ng/ul
RT: 15.496 min Scan# 2726
Delta R.T. -0.018 min
Lab File: BM039840.D
Acq: 05 May 2023 11:31

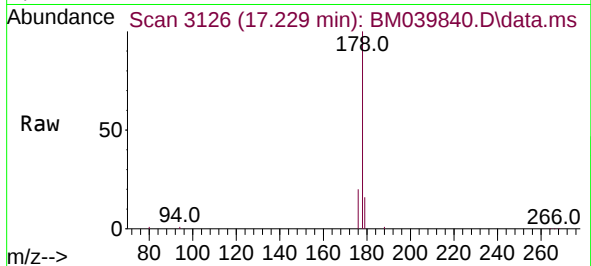
Tgt Ion:166 Resp: 3061
Ion Ratio Lower Upper
166 100
165 100.7 79.0 118.6
167 20.0 11.8 17.6#





#15
Phenanthrene
Concen: 2.096 ng/u1
RT: 17.229 min Scan# 311
Delta R.T. -0.025 min
Lab File: BM039840.D
Acq: 05 May 2023 11:31

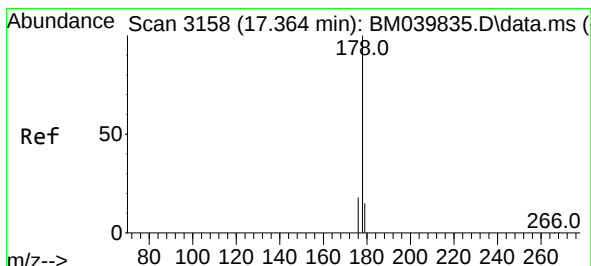
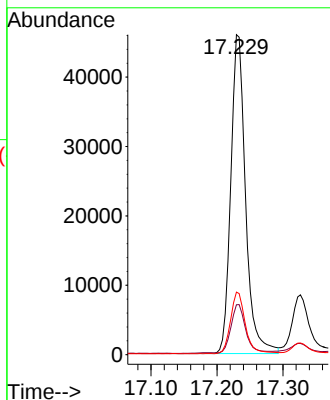
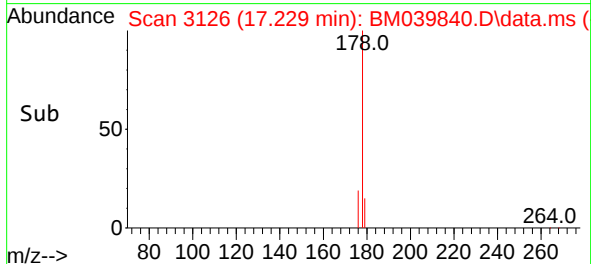
Instrument :
BNA_M
ClientSampleId :
EW938DL



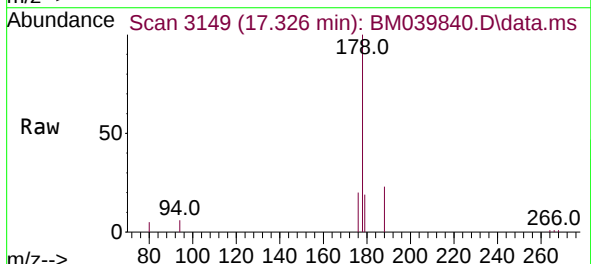
Tgt Ion:178 Resp: 71415
Ion Ratio Lower Upper
178 100
179 15.6 13.0 19.6
176 19.6 15.8 23.8

Manual Integrations
APPROVED

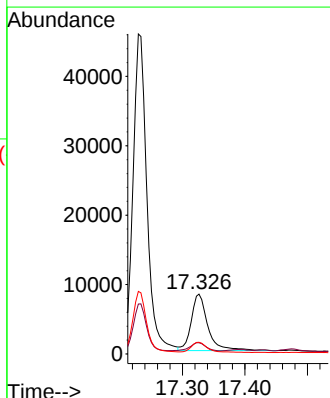
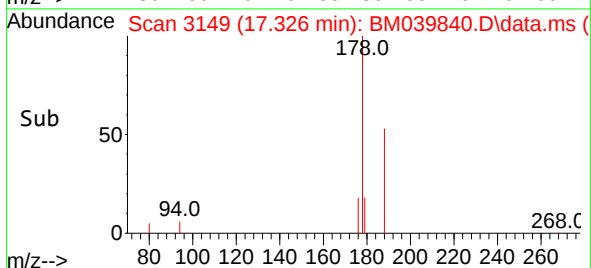
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

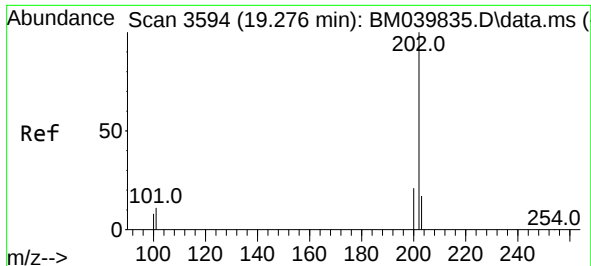


#16
Anthracene
Concen: 0.515 ng/u1
RT: 17.326 min Scan# 3149
Delta R.T. -0.030 min
Lab File: BM039840.D
Acq: 05 May 2023 11:31



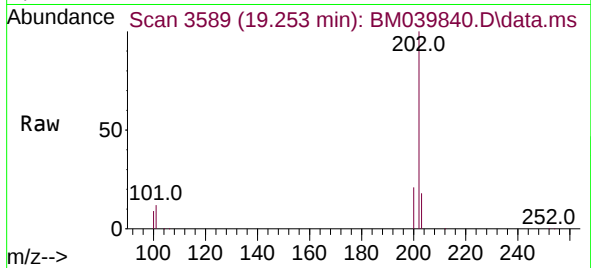
Tgt Ion:178 Resp: 15060
Ion Ratio Lower Upper
178 100
179 18.8 13.8 20.6
176 19.6 15.8 23.8





#19
Fluoranthene
Concen: 4.778 ng/ul
RT: 19.253 min Scan# 3589
Delta R.T. -0.019 min
Lab File: BM039840.D
Acq: 05 May 2023 11:31

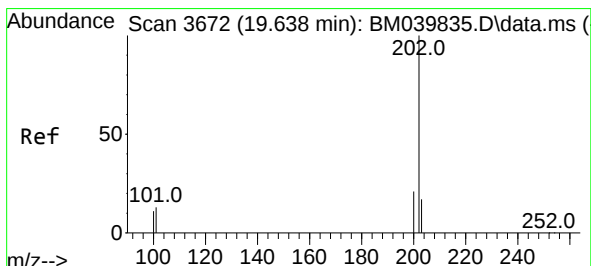
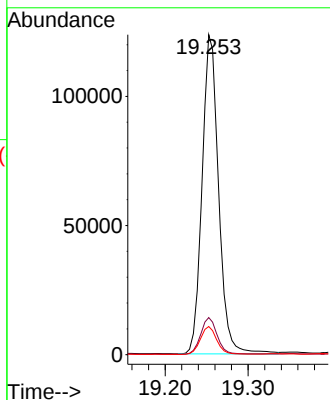
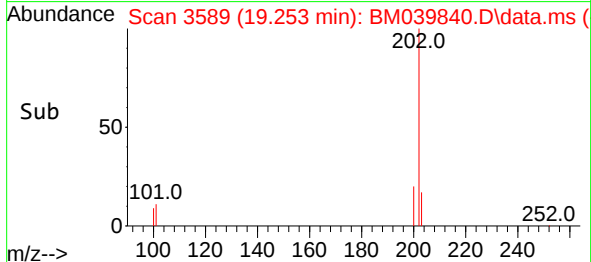
Instrument :
BNA_M
ClientSampleId :
EW938DL



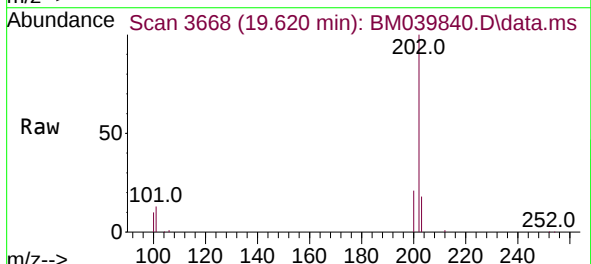
Tgt Ion:202 Resp: 171604
Ion Ratio Lower Upper
202 100
101 11.6 9.8 14.8
100 8.8 7.3 10.9

Manual Integrations
APPROVED

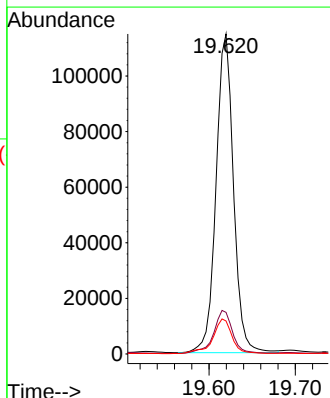
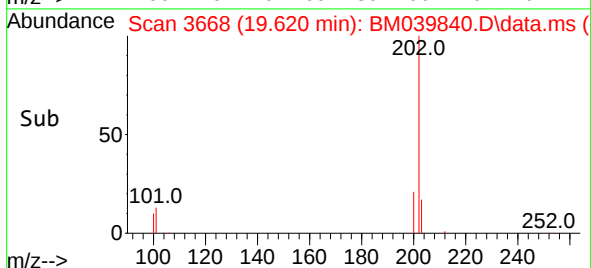
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

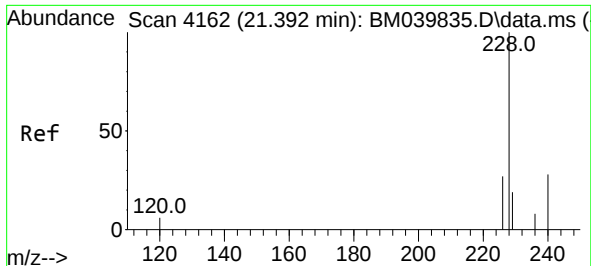


#20
Pyrene
Concen: 4.162 ng/ul
RT: 19.620 min Scan# 3668
Delta R.T. -0.014 min
Lab File: BM039840.D
Acq: 05 May 2023 11:31



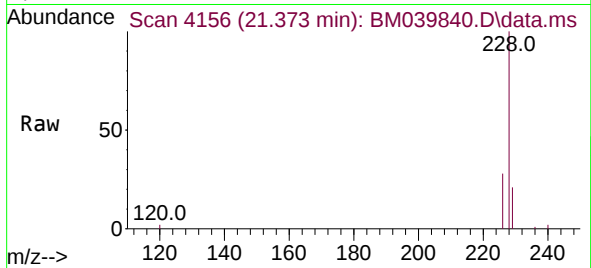
Tgt Ion:202 Resp: 161421
Ion Ratio Lower Upper
202 100
101 13.0 10.9 16.3
100 10.3 8.9 13.3





#21
Benzo(a)anthracene
Concen: 3.602 ng/u1
RT: 21.373 min Scan# 4162
Delta R.T. -0.017 min
Lab File: BM039840.D
Acq: 05 May 2023 11:31

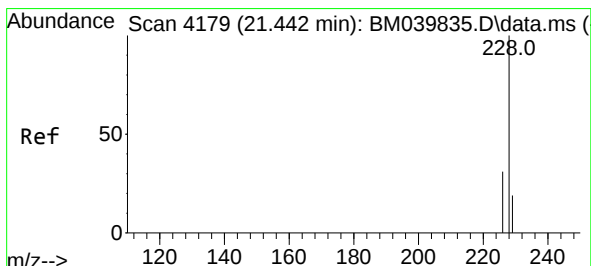
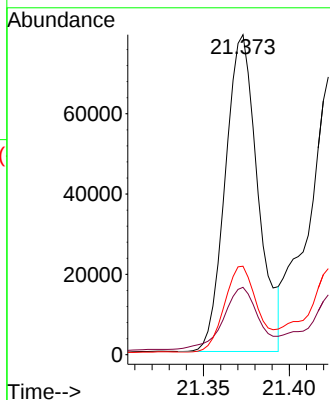
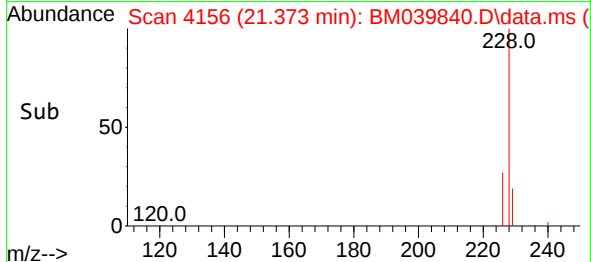
Instrument :
BNA_M
ClientSampleId :
EW938DL



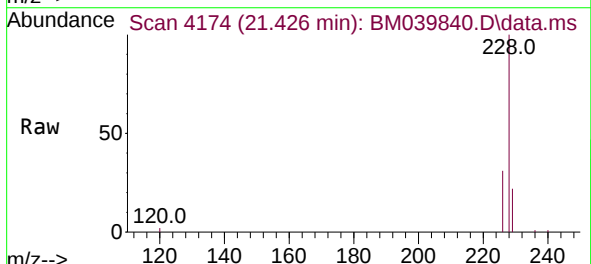
Tgt Ion:228 Resp: 104258
Ion Ratio Lower Upper
228 100
229 21.1 16.2 24.2
226 27.7 21.6 32.4

Manual Integrations
APPROVED

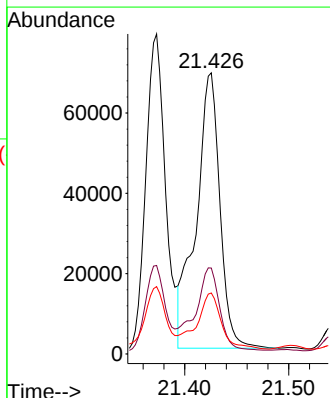
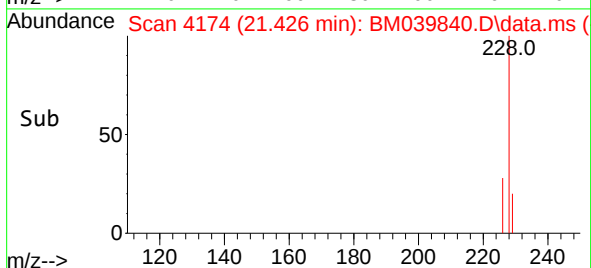
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

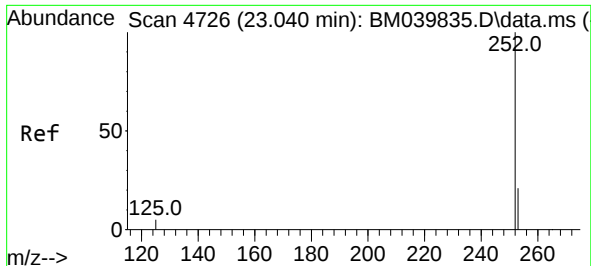


#22
Chrysene
Concen: 3.332 ng/u1
RT: 21.426 min Scan# 4174
Delta R.T. -0.015 min
Lab File: BM039840.D
Acq: 05 May 2023 11:31



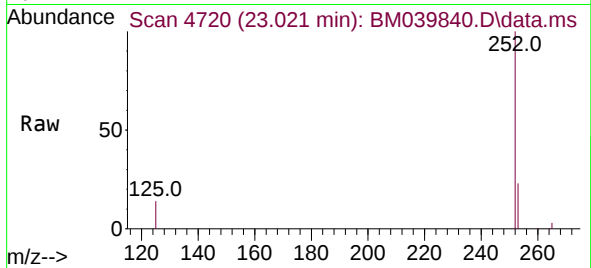
Tgt Ion:228 Resp: 109147
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 21.7 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 4.470 ng/ul m
RT: 23.021 min Scan# 4720
Delta R.T. -0.015 min
Lab File: BM039840.D
Acq: 05 May 2023 11:31

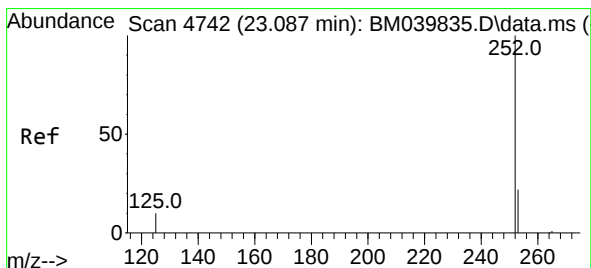
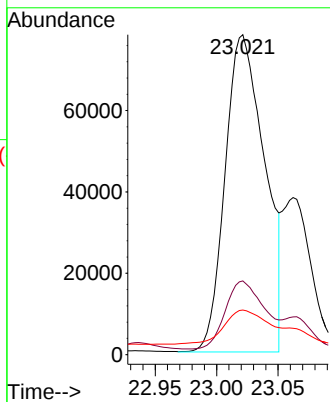
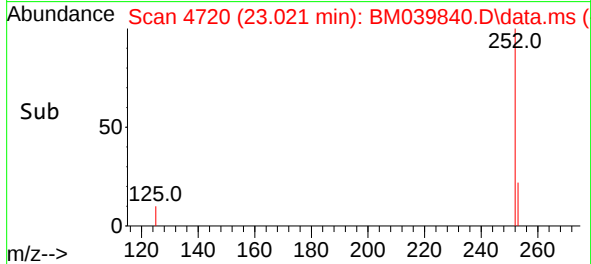
Instrument :
BNA_M
ClientSampleId :
EW938DL



Tgt Ion:252 Resp: 175192
Ion Ratio Lower Upper
252 100
253 23.0 0.0 52.8
125 13.9 0.0 31.6

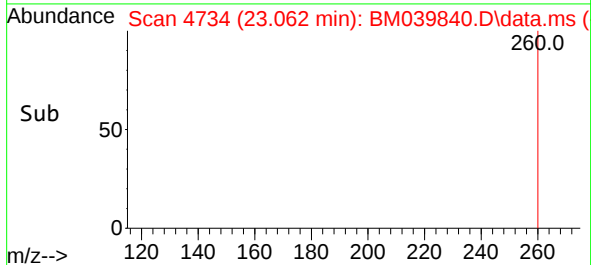
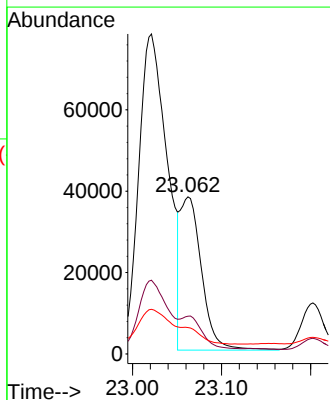
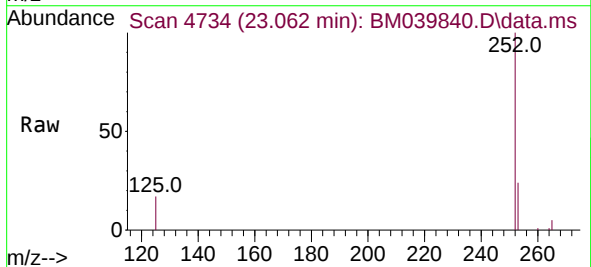
Manual Integrations
APPROVED

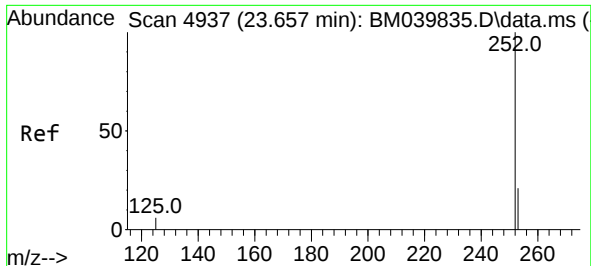
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#25
Benzo(k)fluoranthene
Concen: 1.575 ng/ul m
RT: 23.062 min Scan# 4734
Delta R.T. -0.023 min
Lab File: BM039840.D
Acq: 05 May 2023 11:31

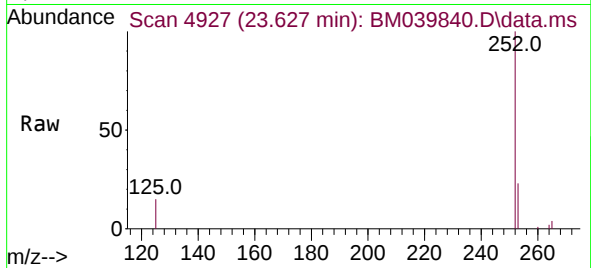
Tgt Ion:252 Resp: 62870
Ion Ratio Lower Upper
252 100
253 24.1 21.3 31.9
125 16.8 13.0 19.6





#26
Benzo(a)pyrene
Concen: 3.090 ng/ul
RT: 23.627 min Scan# 4937
Delta R.T. -0.023 min
Lab File: BM039840.D
Acq: 05 May 2023 11:31

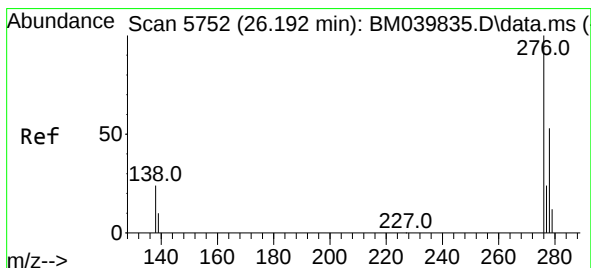
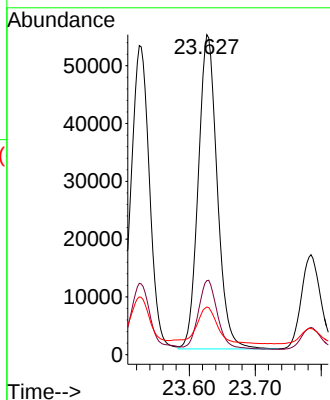
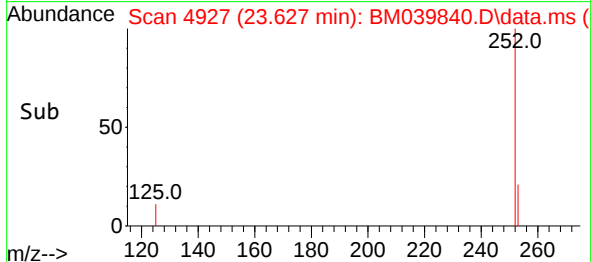
Instrument :
BNA_M
ClientSampleId :
EW938DL



Tgt Ion:252 Resp: 108729
Ion Ratio Lower Upper
252 100
253 23.1 24.7 37.1
125 14.9 16.5 24.7

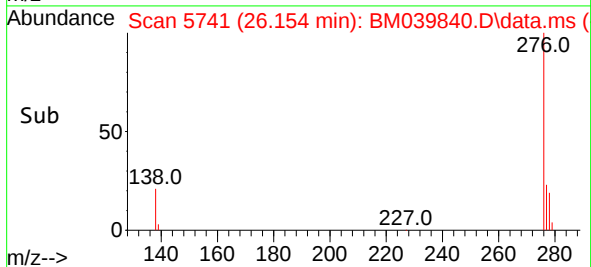
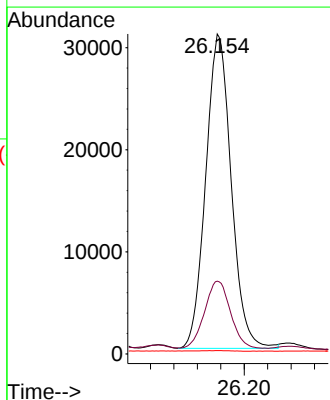
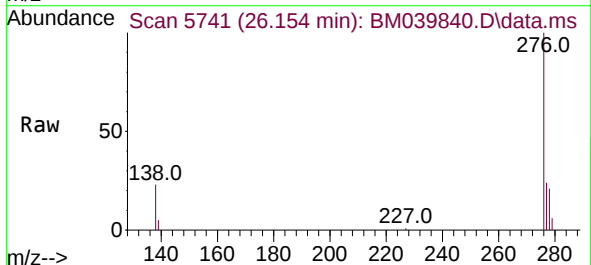
Manual Integrations
APPROVED

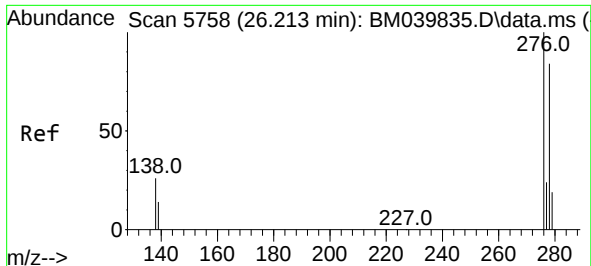
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 2.091 ng/ul
RT: 26.154 min Scan# 5741
Delta R.T. -0.033 min
Lab File: BM039840.D
Acq: 05 May 2023 11:31

Tgt Ion:276 Resp: 93023
Ion Ratio Lower Upper
276 100
138 21.9 21.1 31.7
227 0.0 0.1 0.1





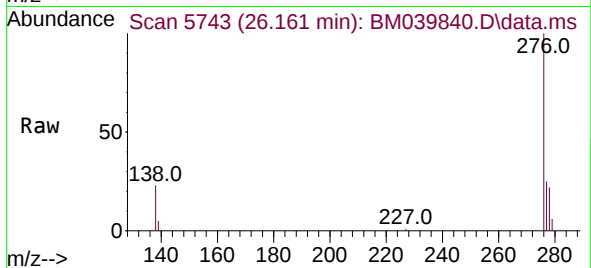
#28
Dibenzo(a,h)anthracene
Concen: 0.677 ng/ul
RT: 26.161 min Scan# 51
Delta R.T. -0.037 min
Lab File: BM039840.D
Acq: 05 May 2023 11:31

Instrument :

BNA_M

ClientSampleId :

EW938DL

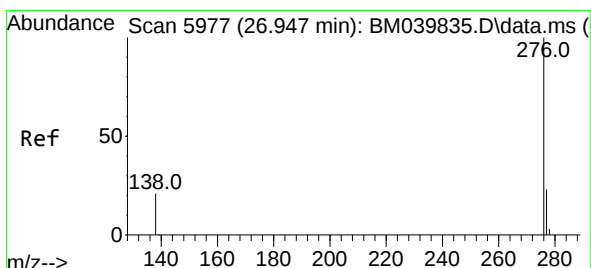
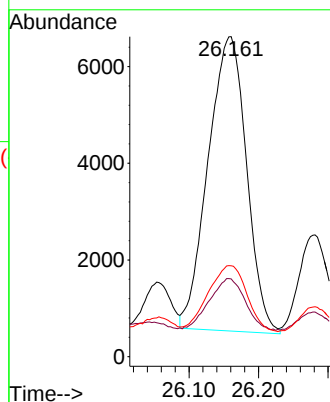
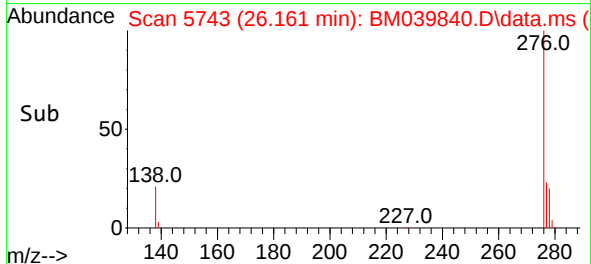


Tgt Ion:278 Resp: 23380
Ion Ratio Lower Upper
278 100
139 24.3 17.0 25.6
279 28.4 23.4 35.2

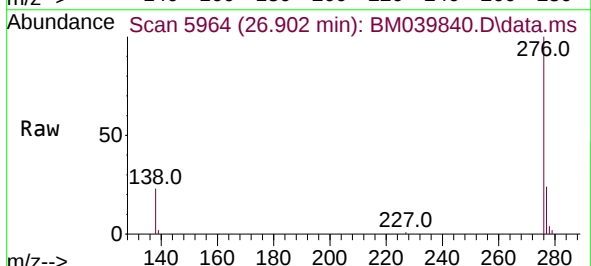
Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#29
Benzo(g,h,i)perylene
Concen: 2.429 ng/ul
RT: 26.902 min Scan# 5964
Delta R.T. -0.030 min
Lab File: BM039840.D
Acq: 05 May 2023 11:31



Tgt Ion:276 Resp: 94168
Ion Ratio Lower Upper
276 100
138 23.3 20.1 30.1
277 24.5 20.1 30.1

