

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062623\
 Data File : BM040398.D
 Acq On : 26 Jun 2023 12:56
 Operator : MA/JU
 Sample : 03084-09
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFM6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/27/2023
 Supervised By :mohammad ahmed 06/27/2023

Quant Time: Jun 27 04:25:20 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 : Fri Jun 23 00:44:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.949	152	7686	0.400	ng/ul	0.00
4) Naphthalene-d8	10.756	136	28393	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.586	164	13990	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.332	188	29154	0.400	ng/ul	0.00
17) Chrysene-d12	21.512	240	18241	0.400	ng/ul	0.00
23) Perylene-d12	23.926	264	17062	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.333	96	26920	2.230	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.345	152	6288	0.158	ng/ul	0.00
18) Fluoranthene-d10	19.356	212	11561	0.198	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.806	128	52701	0.673	ng/ul	100
7) 2-Methylnaphthalene	12.417	142	19132	0.416	ng/ul	99
8) 1-Methylnaphthalene	12.637	142	11470	0.250	ng/ul	99
10) Acenaphthylene	14.309	152	47579	0.761	ng/ul	99
11) Acenaphthene	14.651	153	9078	0.172	ng/ul	98
12) Fluorene	15.637	166	10049	0.178	ng/ul#	97
15) Phenanthrene	17.375	178	270720	2.989	ng/ul	98
16) Anthracene	17.463	178	42597	0.560	ng/ul	100
19) Fluoranthene	19.389	202	734718	9.482	ng/ul#	94
20) Pyrene	19.751	202	581185	6.996	ng/ul	97
21) Benzo(a)anthracene	21.494	228	294881	4.779	ng/ul	98
22) Chrysene	21.547	228	321913	4.574	ng/ul	98
24) Benzo(b)fluoranthene	23.190	252	486425	7.367	ng/ul	90
25) Benzo(k)fluoranthene	23.233	252	139595m	2.145	ng/ul	
26) Benzo(a)pyrene	23.818	252	282076	4.743	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	26.427	276	211424	2.552	ng/ul#	88
28) Dibenzo(a,h)anthracene	26.437	278	53398	0.823	ng/ul	97
29) Benzo(g,h,i)perylene	27.205	276	201151	2.771	ng/ul	96

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

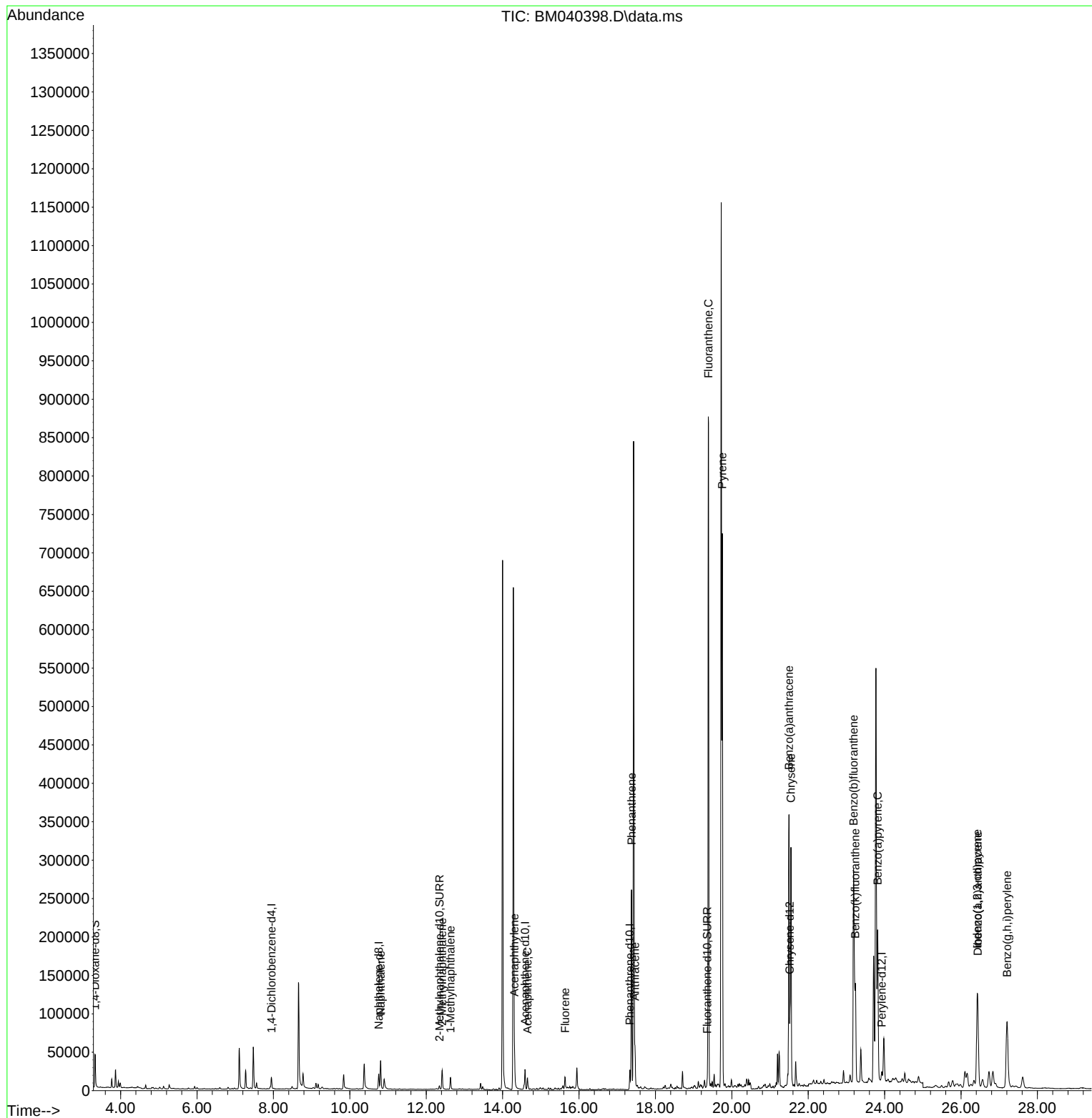
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062623\
Data File : BM040398.D
Acq On : 26 Jun 2023 12:56
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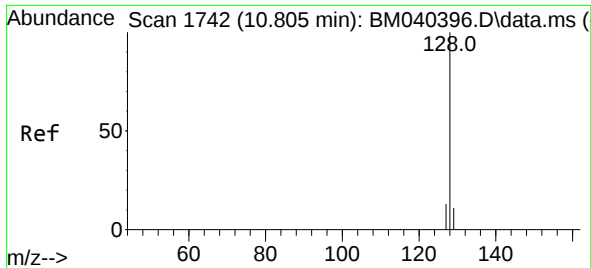
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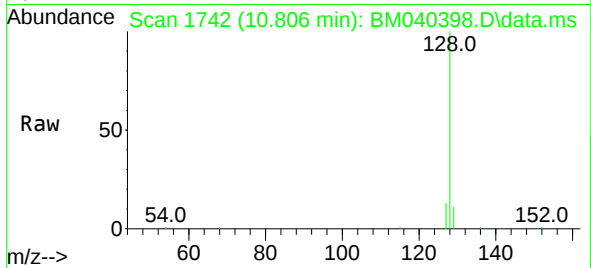
Quant Time: Jun 27 04:25:20 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 23 00:44:24 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.673 ng/ul
RT: 10.806 min Scan# 1742
Delta R.T. -0.005 min
Lab File: BM040398.D
Acq: 26 Jun 2023 12:56

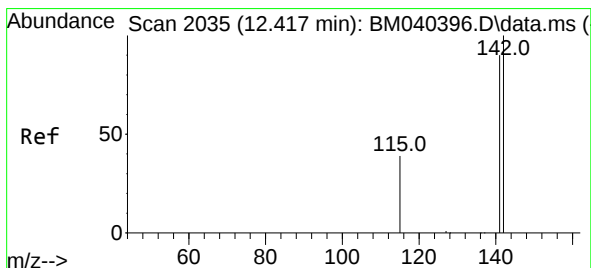
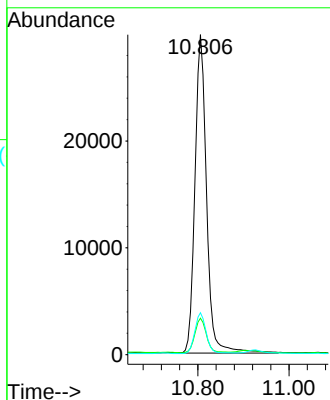
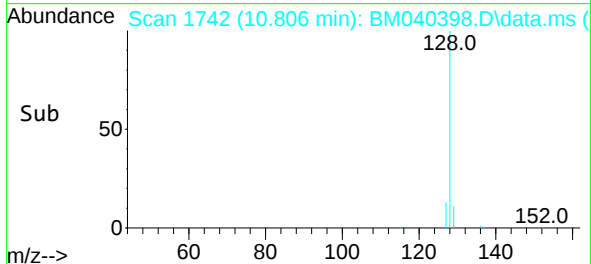
Instrument :
BNA_M
ClientSampleId :
DCFM6



Tgt Ion:128 Resp: 5270
Ion Ratio Lower Upper
128 100
129 11.4 9.2 13.8
127 13.1 10.6 15.8

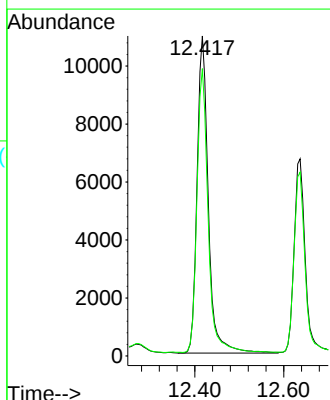
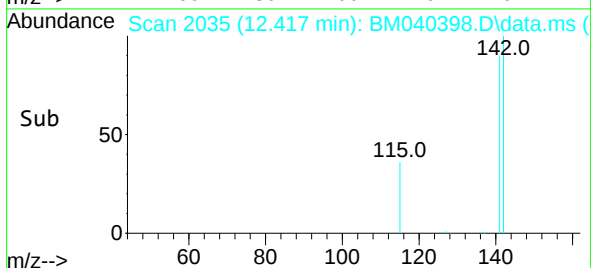
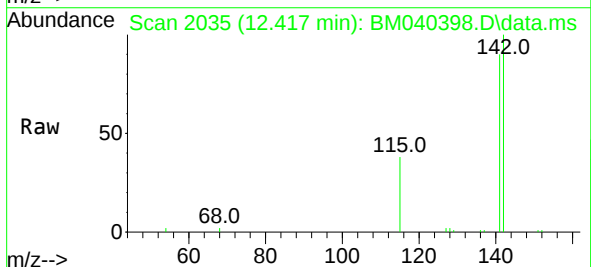
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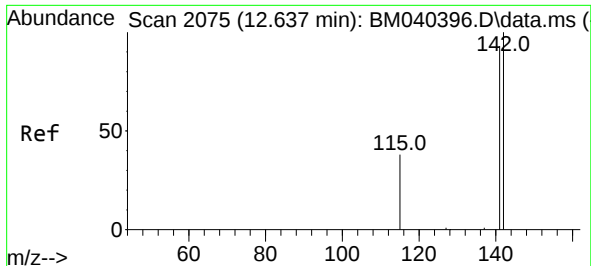
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#7
2-Methylnaphthalene
Concen: 0.416 ng/ul
RT: 12.417 min Scan# 2035
Delta R.T. -0.005 min
Lab File: BM040398.D
Acq: 26 Jun 2023 12:56

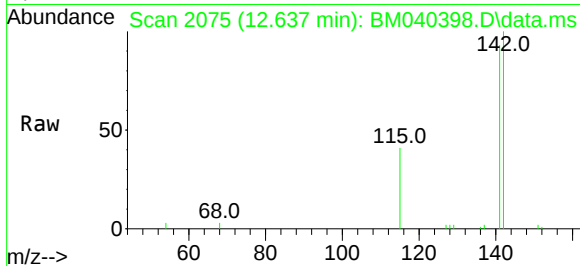
Tgt Ion:142 Resp: 19132
Ion Ratio Lower Upper
142 100
141 88.8 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.250 ng/ul
RT: 12.637 min Scan# 2075
Delta R.T. -0.005 min
Lab File: BM040398.D
Acq: 26 Jun 2023 12:56

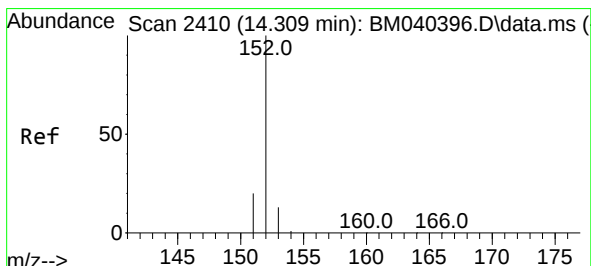
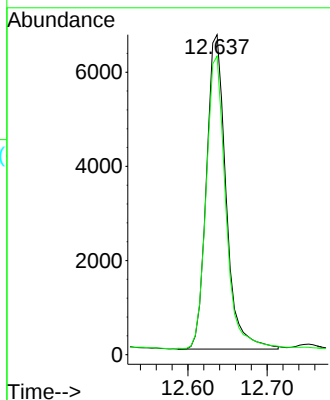
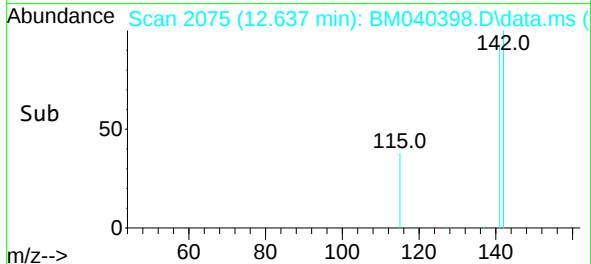
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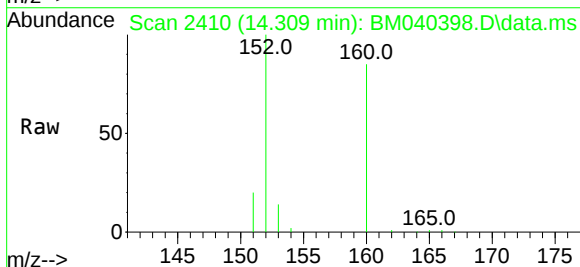
Tgt Ion:142 Resp: 11470
Ion Ratio Lower Upper
142 100
141 93.0 73.7 110.5

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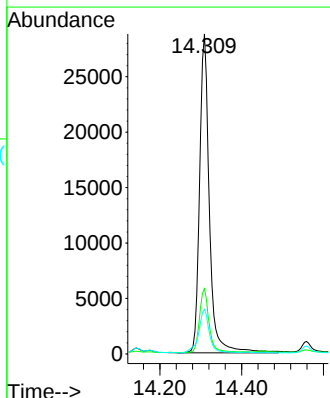
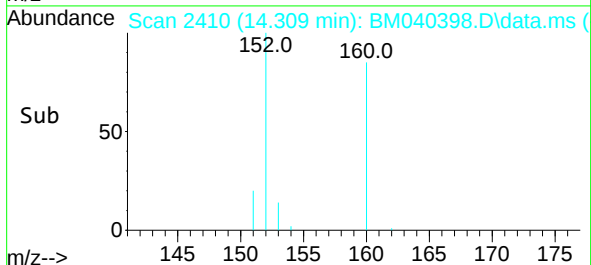
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023

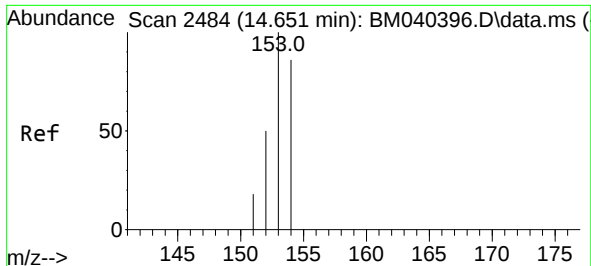


#10
Acenaphthylene
Concen: 0.761 ng/ul
RT: 14.309 min Scan# 2410
Delta R.T. -0.005 min
Lab File: BM040398.D
Acq: 26 Jun 2023 12:56



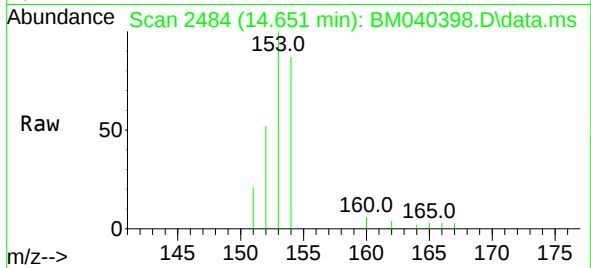
Tgt Ion:152 Resp: 47579
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.2
153 14.0 10.9 16.3





#11
Acenaphthene
Concen: 0.172 ng/ul
RT: 14.651 min Scan# 2484
Delta R.T. -0.005 min
Lab File: BM040398.D
Acq: 26 Jun 2023 12:56

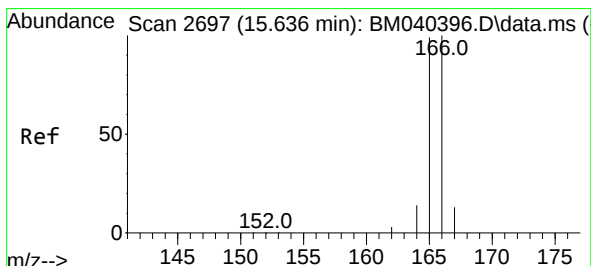
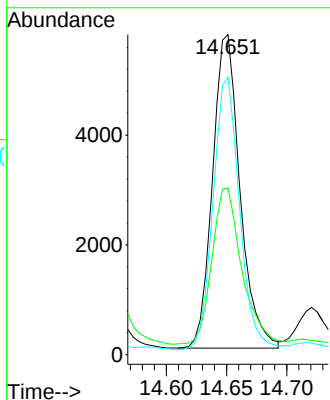
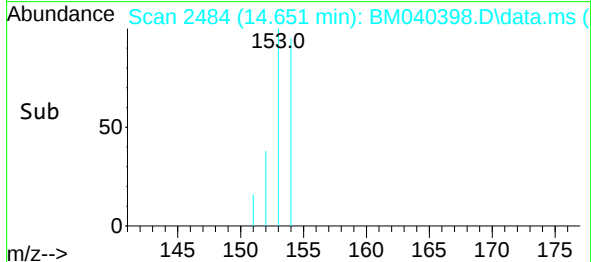
Instrument :
BNA_M
ClientSampleId :
DCFM6



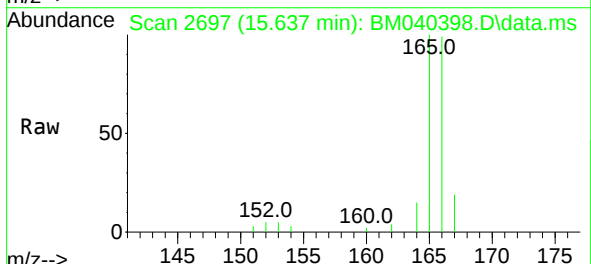
Tgt Ion:153 Resp: 9078
Ion Ratio Lower Upper
153 100
152 52.0 41.0 61.4
154 86.7 70.8 106.2

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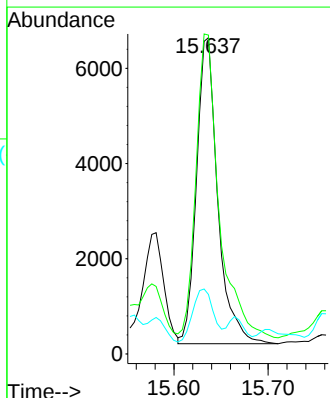
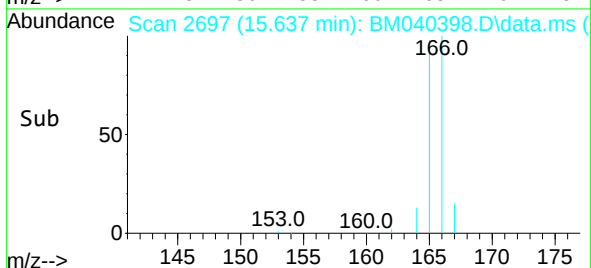
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023

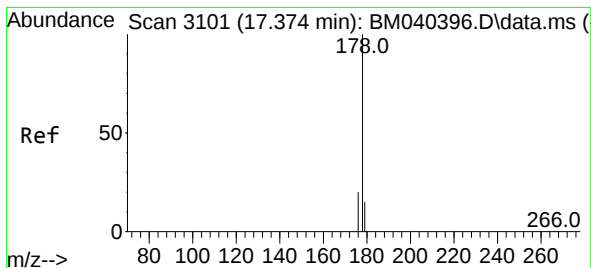


#12
Fluorene
Concen: 0.178 ng/ul
RT: 15.637 min Scan# 2697
Delta R.T. -0.005 min
Lab File: BM040398.D
Acq: 26 Jun 2023 12:56



Tgt Ion:166 Resp: 10049
Ion Ratio Lower Upper
166 100
165 100.8 79.6 119.4
167 18.8 11.4 17.0#





#15

Phenanthrene

Concen: 2.989 ng/u1

RT: 17.375 min Scan# 3101

Delta R.T. -0.004 min

Lab File: BM040398.D

Acq: 26 Jun 2023 12:56

Instrument :

BNA_M

ClientSampleId :

DCFM6

Tgt Ion:178 Resp: 270720

Ion Ratio Lower Upper

178 100

179 15.4 12.8 19.2

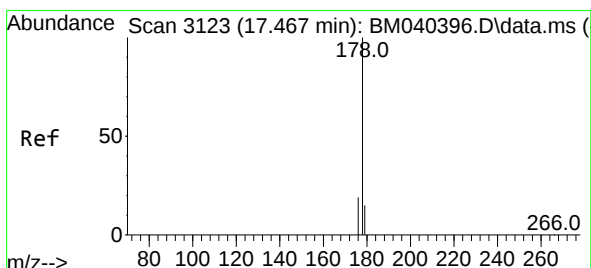
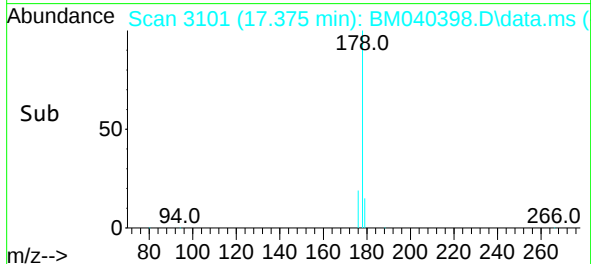
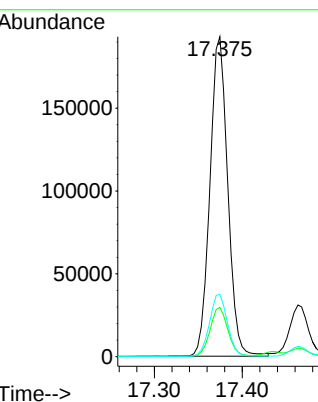
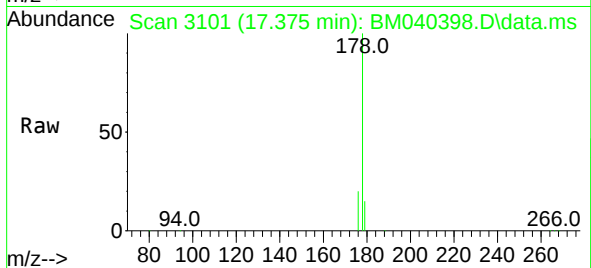
176 19.5 16.4 24.6

Manual Integrations

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Supervised By :mohammad ahmed 06/27/2023



#16

Anthracene

Concen: 0.560 ng/u1

RT: 17.463 min Scan# 3122

Delta R.T. -0.008 min

Lab File: BM040398.D

Acq: 26 Jun 2023 12:56

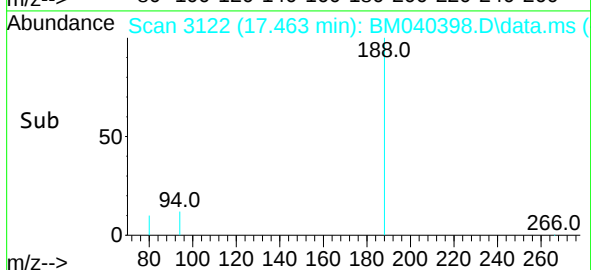
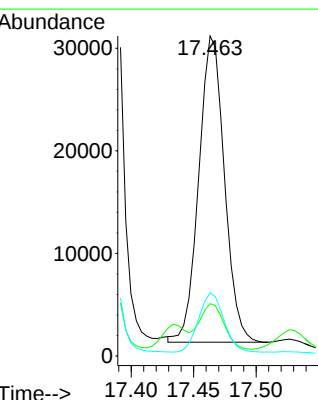
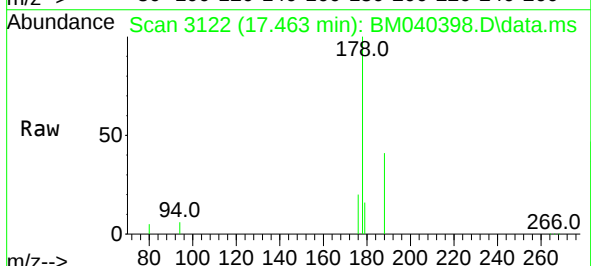
Tgt Ion:178 Resp: 42597

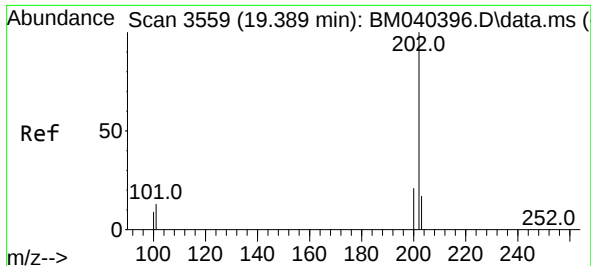
Ion Ratio Lower Upper

178 100

179 16.4 12.9 19.3

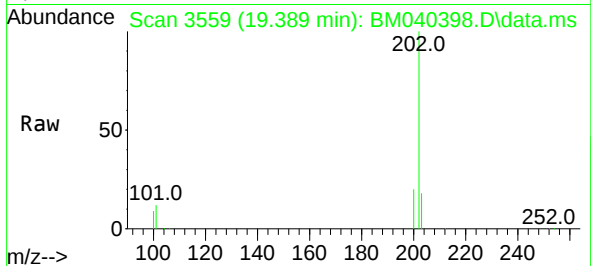
176 19.8 15.8 23.6





#19
Fluoranthene
Concen: 9.482 ng/u1
RT: 19.389 min Scan# 3559
Delta R.T. 0.000 min
Lab File: BM040398.D
Acq: 26 Jun 2023 12:56

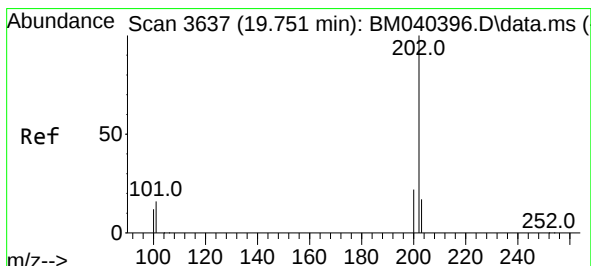
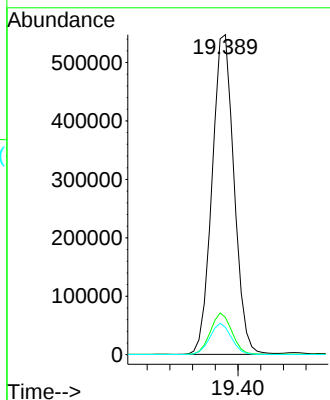
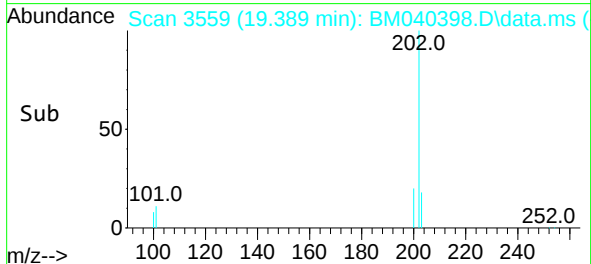
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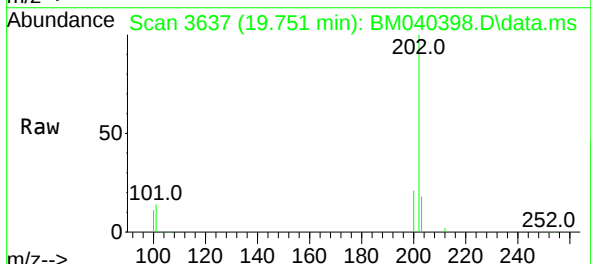
Tgt Ion:202 Resp: 734718
Ion Ratio Lower Upper
202 100
101 11.6 11.4 17.0
100 8.5 8.7 13.1

Manual Integrations
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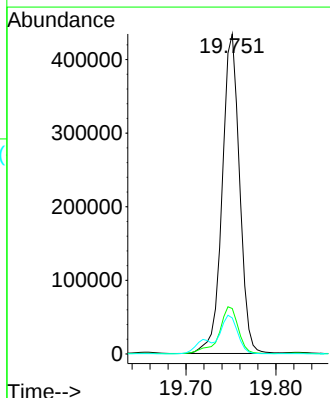
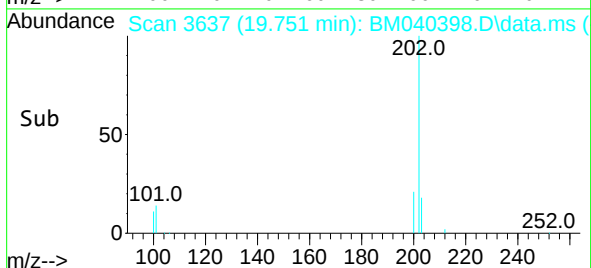
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Supervised By :mohammad ahmed 06/27/2023

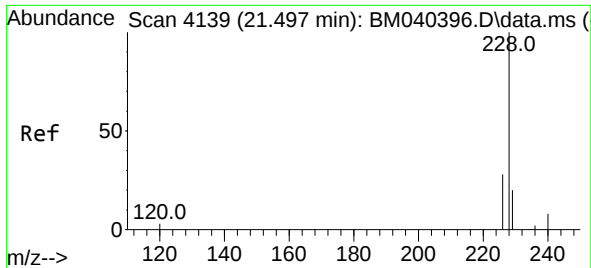


#20
Pyrene
Concen: 6.996 ng/u1
RT: 19.751 min Scan# 3637
Delta R.T. -0.005 min
Lab File: BM040398.D
Acq: 26 Jun 2023 12:56



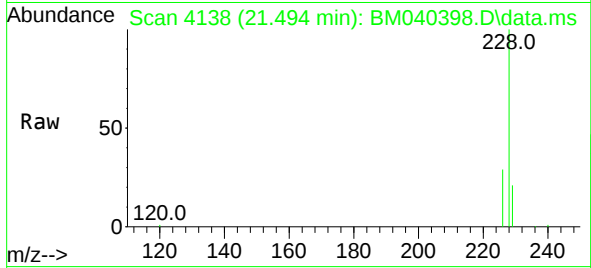
Tgt Ion:202 Resp: 581185
Ion Ratio Lower Upper
202 100
101 14.2 12.6 18.8
100 11.2 9.8 14.6





#21
Benzo(a)anthracene
Concen: 4.779 ng/u1
RT: 21.494 min Scan# 4139
Delta R.T. -0.006 min
Lab File: BM040398.D
Acq: 26 Jun 2023 12:56

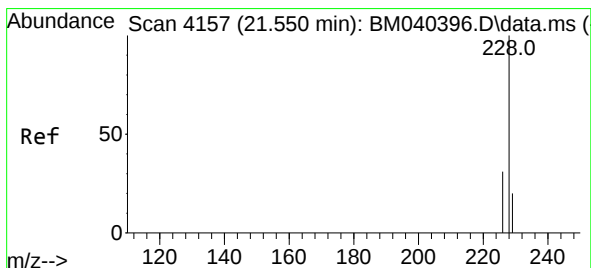
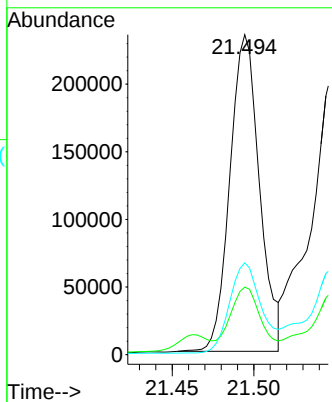
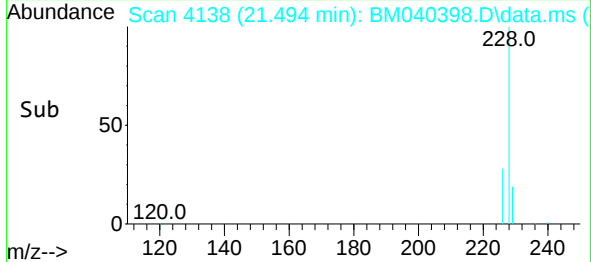
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Tgt Ion:228 Resp: 29488
Ion Ratio Lower Upper
228 100
229 21.1 16.0 24.0
226 28.7 22.3 33.5

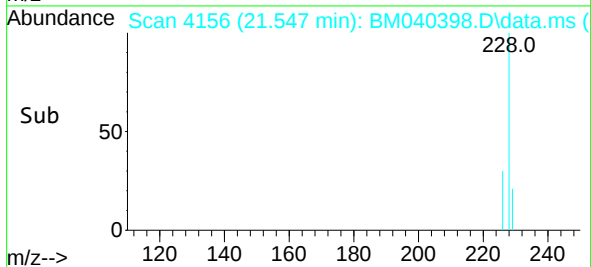
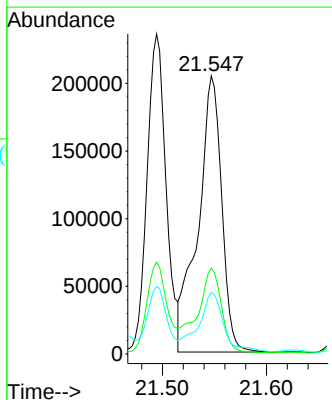
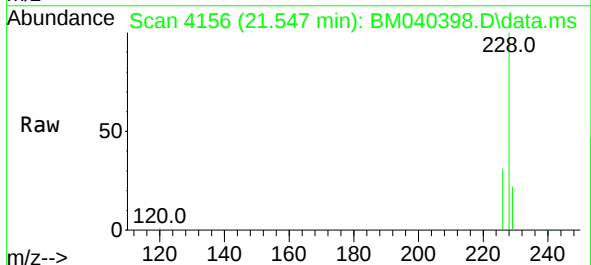
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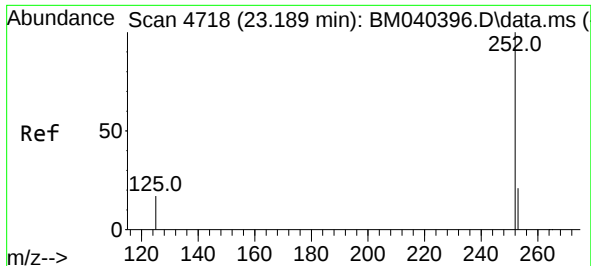
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#22
Chrysene
Concen: 4.574 ng/u1
RT: 21.547 min Scan# 4156
Delta R.T. -0.006 min
Lab File: BM040398.D
Acq: 26 Jun 2023 12:56

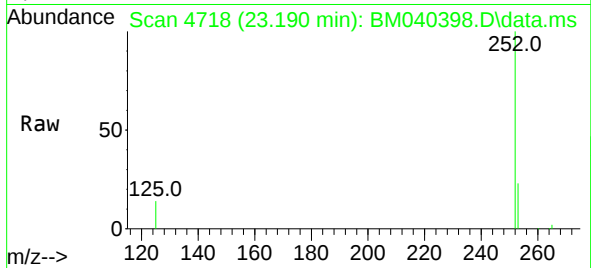
Tgt Ion:228 Resp: 321913
Ion Ratio Lower Upper
228 100
226 30.8 24.9 37.3
229 22.2 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 7.367 ng/ul
RT: 23.190 min Scan# 4718
Delta R.T. -0.003 min
Lab File: BM040398.D
Acq: 26 Jun 2023 12:56

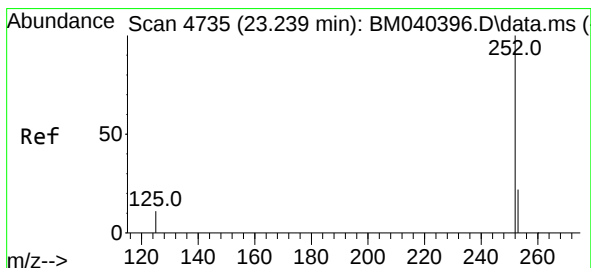
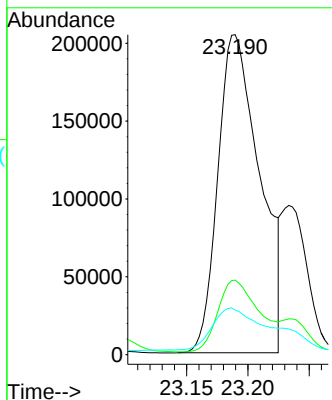
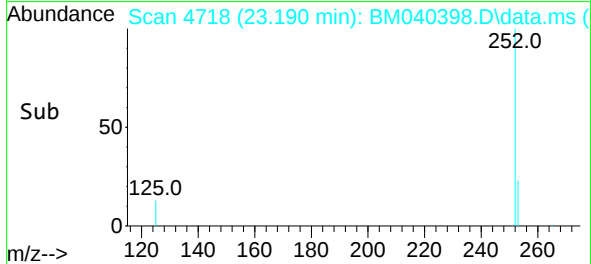
Instrument :
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Tgt Ion:252 Resp: 486425
Ion Ratio Lower Upper
252 100
253 23.3 0.0 52.8
125 14.0 0.0 43.0

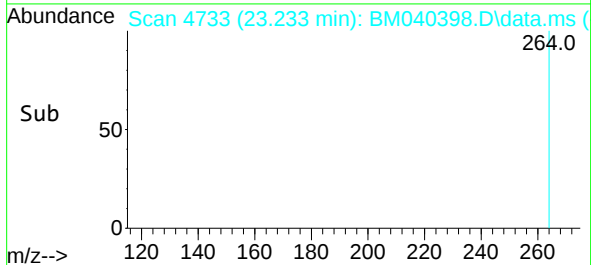
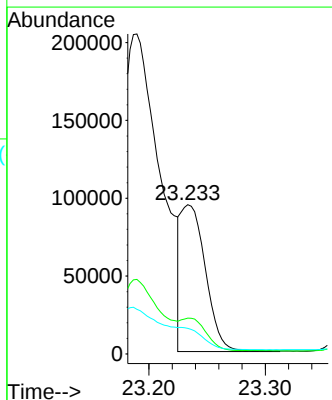
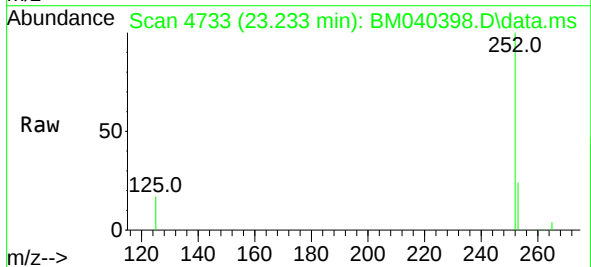
Manual Integrations
APPROVED

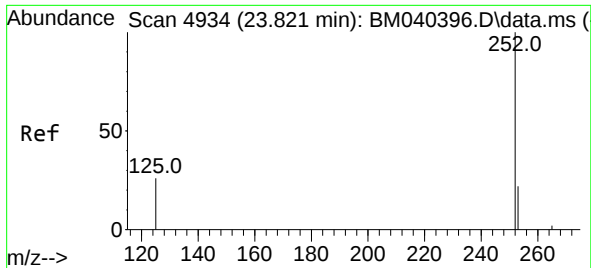
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#25
Benzo(k)fluoranthene
Concen: 2.145 ng/ul m
RT: 23.233 min Scan# 4733
Delta R.T. -0.009 min
Lab File: BM040398.D
Acq: 26 Jun 2023 12:56

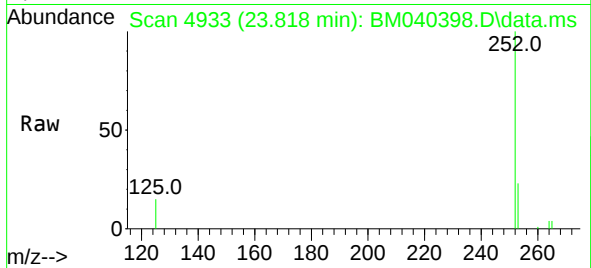
Tgt Ion:252 Resp: 139595
Ion Ratio Lower Upper
252 100
253 24.1 21.2 31.8
125 17.2 16.4 24.6





#26
Benzo(a)pyrene
Concen: 4.743 ng/ul
RT: 23.818 min Scan# 4933
Delta R.T. -0.006 min
Lab File: BM040398.D
Acq: 26 Jun 2023 12:56

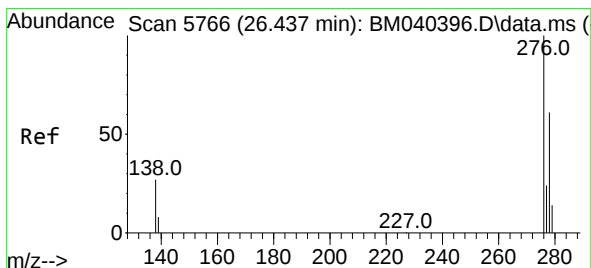
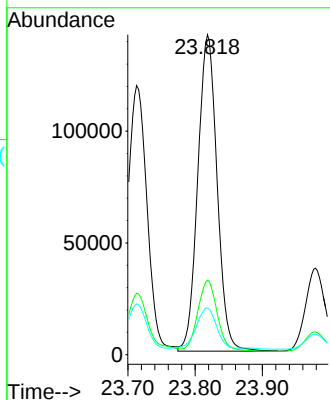
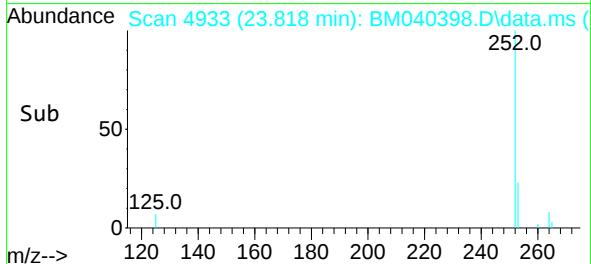
Instrument :
BNA_M
ClientSampleId :
DCFM6



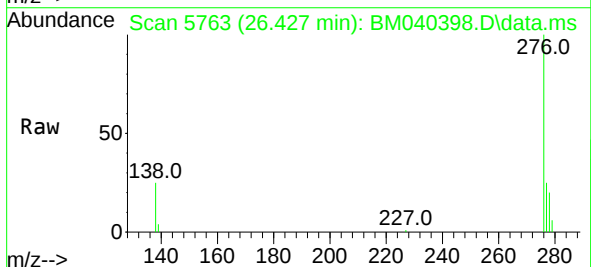
Tgt Ion:252 Resp: 282070
Ion Ratio Lower Upper
252 100
253 23.3 22.9 34.3
125 14.6 21.0 31.4

Manual Integrations
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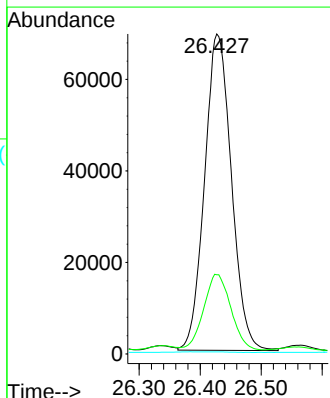
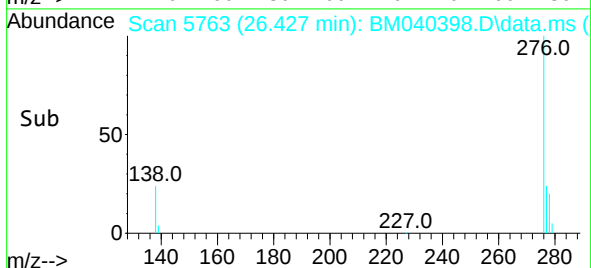
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023

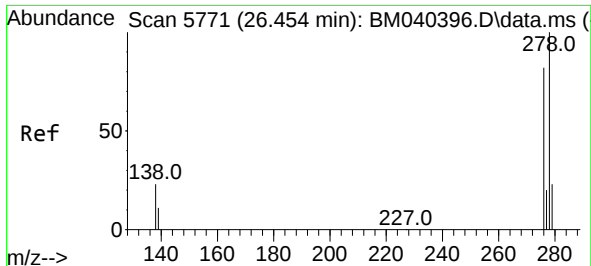


#27
Indeno(1,2,3-cd)pyrene
Concen: 2.552 ng/ul
RT: 26.427 min Scan# 5763
Delta R.T. -0.007 min
Lab File: BM040398.D
Acq: 26 Jun 2023 12:56



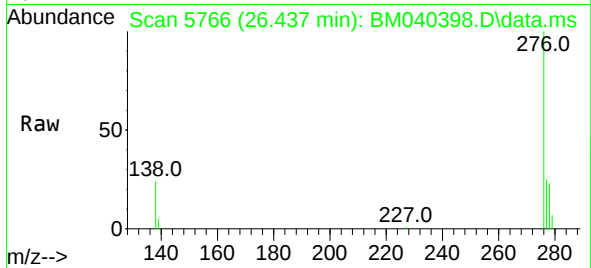
Tgt Ion:276 Resp: 211424
Ion Ratio Lower Upper
276 100
138 24.3 24.5 36.7#
227 0.0 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.823 ng/ul
RT: 26.437 min Scan# 5766
Delta R.T. -0.017 min
Lab File: BM040398.D
Acq: 26 Jun 2023 12:56

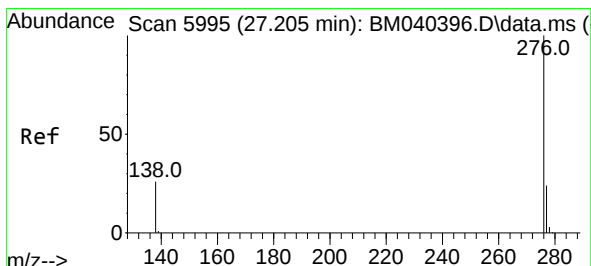
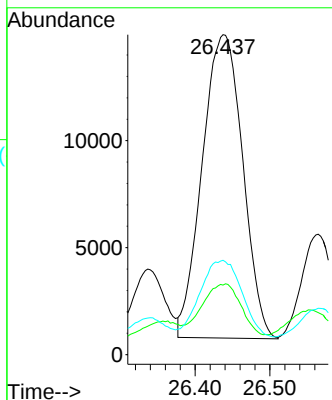
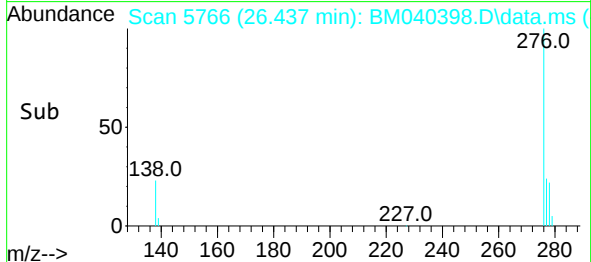
Instrument :
BNA_M
ClientSampleId :
DCFM6



Tgt Ion:278 Resp: 53398
Ion Ratio Lower Upper
278 100
139 21.7 17.9 26.9
279 29.5 22.0 33.0

Manual Integrations
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Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#29
Benzo(g,h,i)perylene
Concen: 2.771 ng/ul
RT: 27.205 min Scan# 5995
Delta R.T. 0.000 min
Lab File: BM040398.D
Acq: 26 Jun 2023 12:56

Tgt Ion:276 Resp: 201151
Ion Ratio Lower Upper
276 100
138 25.6 23.0 34.6
277 24.3 20.3 30.5

