

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
 Data File : BM041054.D
 Acq On : 22 Jul 2023 14:34
 Operator : MA/JU
 Sample : 03472-36DL 5X
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A46S9DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023

Quant Time: Jul 22 22:36:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 22 22:33:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	4185	0.400	ng/ul	0.00
4) Naphthalene-d8	10.664	136	15934	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.513	164	9126	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.270	188	16757	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.463	240	11434	0.400	ng/ul	0.00
23) Perylene-d12	23.854	264	11766	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.280	96	1030	0.150	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.264	152	832	0.039	ng/ul	0.00
18) Fluoranthene-d10	19.301	212	1404	0.029	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.713	128	1632	0.037	ng/ul#	82
7) 2-Methylnaphthalene	12.341	142	567	0.024	ng/ul	98
8) 1-Methylnaphthalene	12.555	142	528	0.021	ng/ul	96
10) Acenaphthylene	14.236	152	1113	0.029	ng/ul#	73
11) Acenaphthene	14.573	153	2574	0.076	ng/ul	99
12) Fluorene	15.568	166	3330	0.095	ng/ul	99
15) Phenanthrene	17.312	178	46634	0.931	ng/ul	98
16) Anthracene	17.405	178	5178	0.133	ng/ul#	94
19) Fluoranthene	19.329	202	57122	0.968	ng/ul#	93
20) Pyrene	19.692	202	43028	0.713	ng/ul	94
21) Benzo(a)anthracene	21.445	228	18338	0.526	ng/ul	99
22) Chrysene	21.498	228	17971	0.451	ng/ul	98
24) Benzo(b)fluoranthene	23.126	252	20420	0.452	ng/ul	96
25) Benzo(k)fluoranthene	23.170	252	8373m	0.195	ng/ul	
26) Benzo(a)pyrene	23.746	252	3073	0.079	ng/ul#	66
27) Indeno(1,2,3-cd)pyrene	26.327	276	6944	0.134	ng/ul#	82
28) Dibenzo(a,h)anthracene	26.334	278	2127	0.054	ng/ul#	56

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

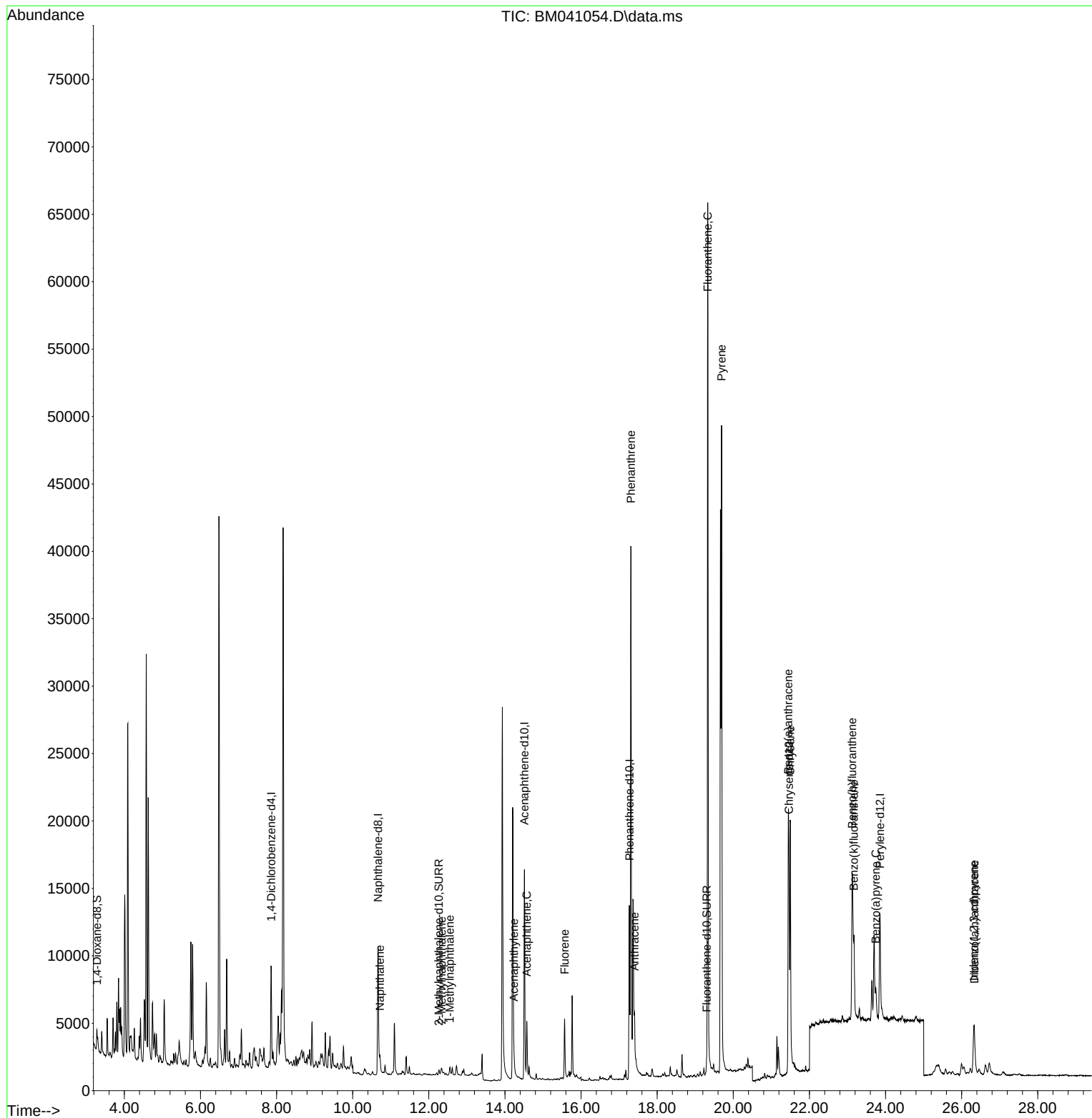
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
Data File : BM041054.D
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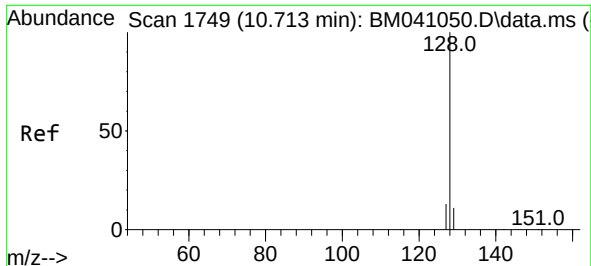
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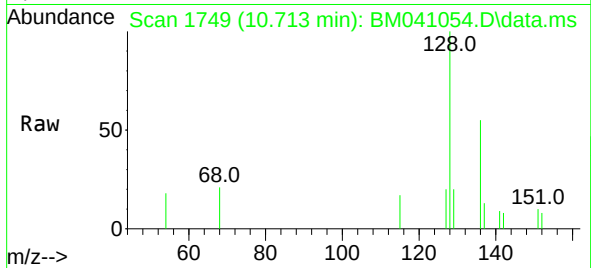
Quant Time: Jul 22 22:36:47 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 22 22:33:48 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.037 ng/ul
RT: 10.713 min Scan# 1749
Delta R.T. -0.005 min
Lab File: BM041054.D
Acq: 22 Jul 2023 14:34

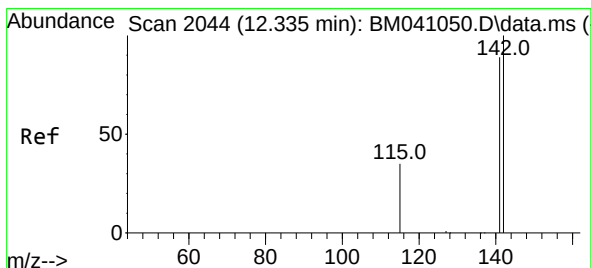
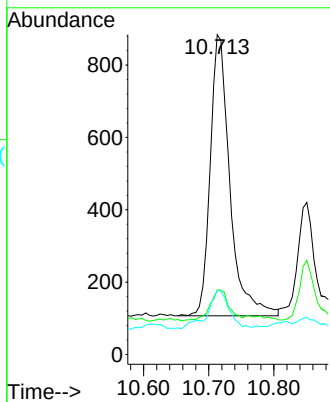
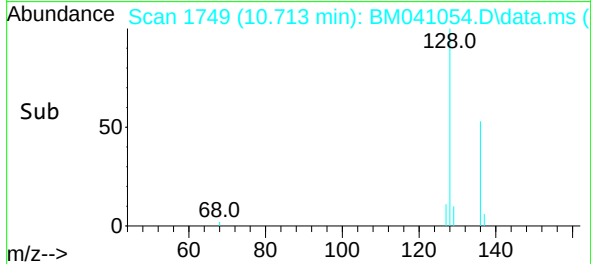
Instrument :
BNA_M
ClientSampleId :
A46S9DL



Tgt Ion:128 Resp: 1632
Ion Ratio Lower Upper
128 100
129 20.1 9.8 14.8
127 19.9 11.0 16.4

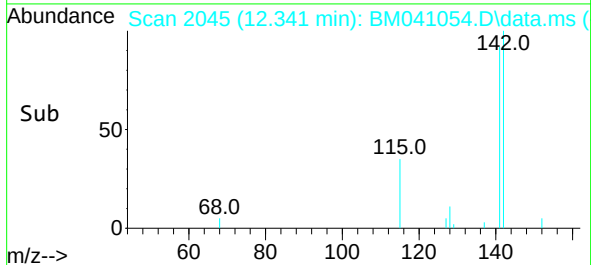
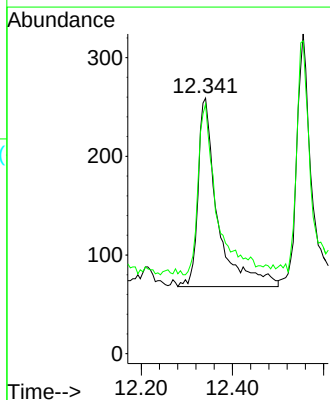
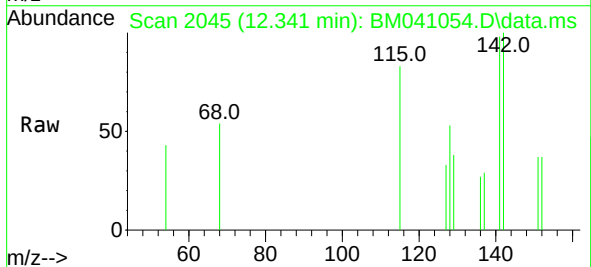
Manual Integrations
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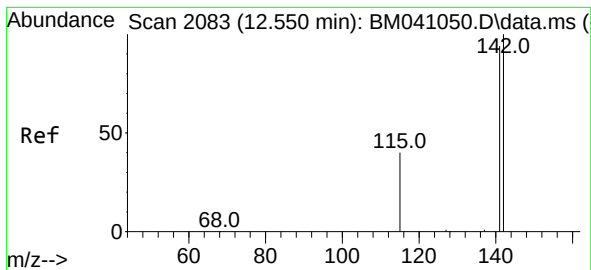
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#7
2-Methylnaphthalene
Concen: 0.024 ng/ul
RT: 12.341 min Scan# 2045
Delta R.T. 0.006 min
Lab File: BM041054.D
Acq: 22 Jul 2023 14:34

Tgt Ion:142 Resp: 567
Ion Ratio Lower Upper
142 100
141 89.8 73.2 109.8





#8

1-Methylnaphthalene

Concen: 0.021 ng/ul

RT: 12.555 min Scan# 2083

Delta R.T. 0.000 min

Lab File: BM041054.D

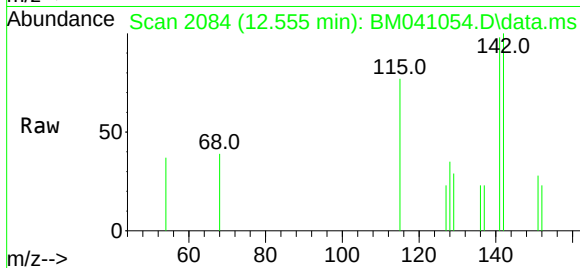
Acq: 22 Jul 2023 14:34

Instrument :

BNA_M

ClientSampleId :

A46S9DL



Tgt Ion:142 Resp: 528

Ion Ratio Lower Upper

142 100

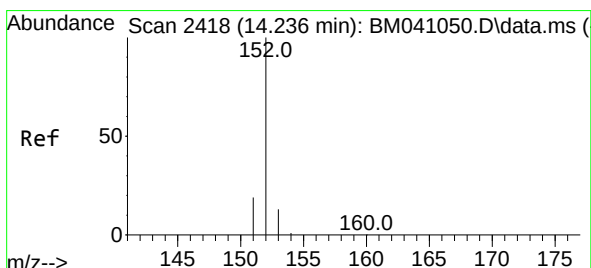
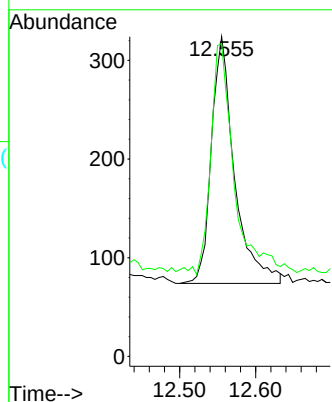
141 88.1 73.4 110.2

Manual Integrations

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Supervised By :mohammad ahmed 07/24/2023



#10

Acenaphthylene

Concen: 0.029 ng/ul

RT: 14.236 min Scan# 2418

Delta R.T. 0.000 min

Lab File: BM041054.D

Acq: 22 Jul 2023 14:34

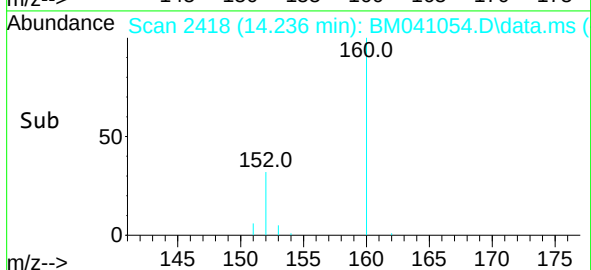
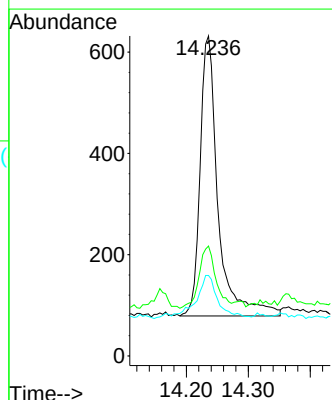
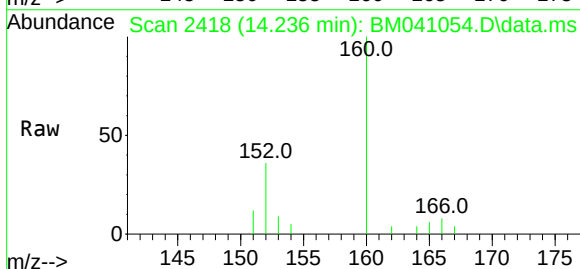
Tgt Ion:152 Resp: 1113

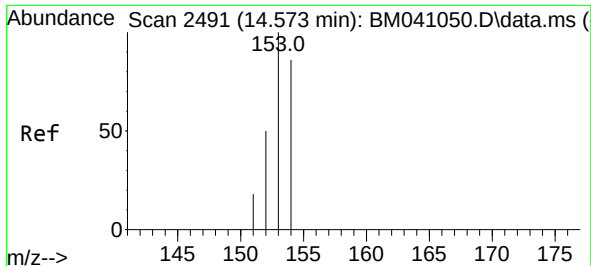
Ion Ratio Lower Upper

152 100

151 34.3 16.8 25.2#

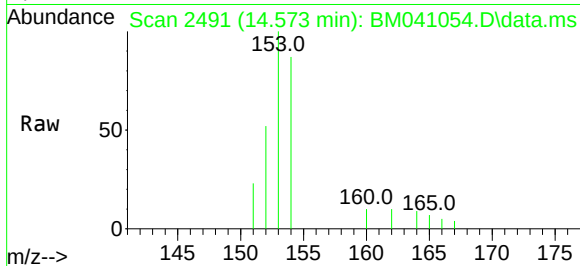
153 25.2 11.6 17.4#





#11
Acenaphthene
Concen: 0.076 ng/u1
RT: 14.573 min Scan# 2491
Delta R.T. 0.000 min
Lab File: BM041054.D
Acq: 22 Jul 2023 14:34

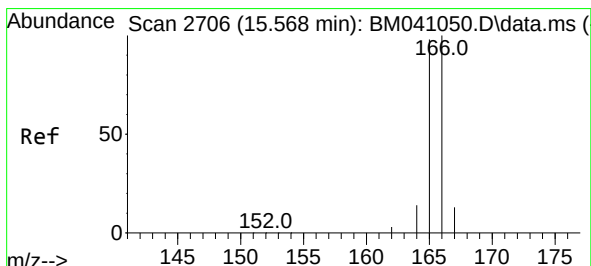
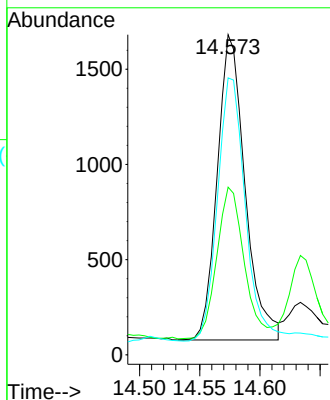
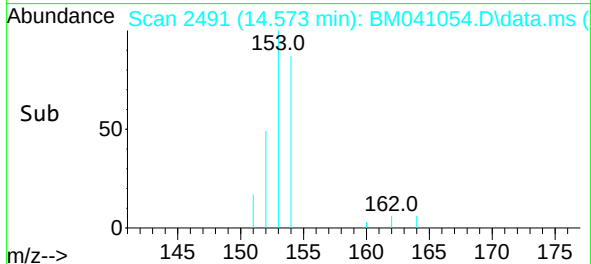
Instrument :
BNA_M
ClientSampleId :
A46S9DL



Tgt Ion:153 Resp: 2574
Ion Ratio Lower Upper
153 100
152 52.4 41.0 61.6
154 86.5 68.2 102.2

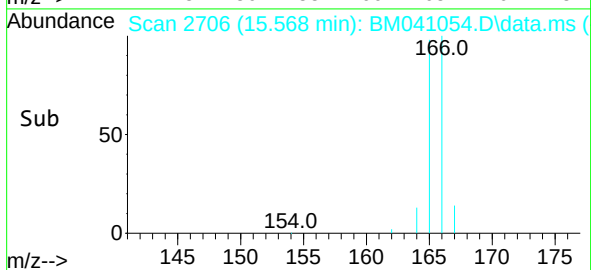
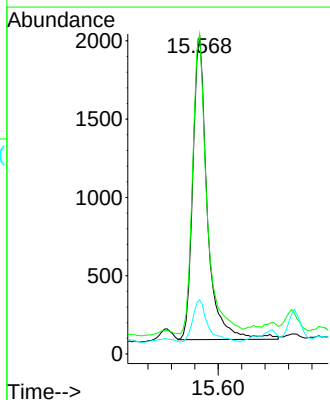
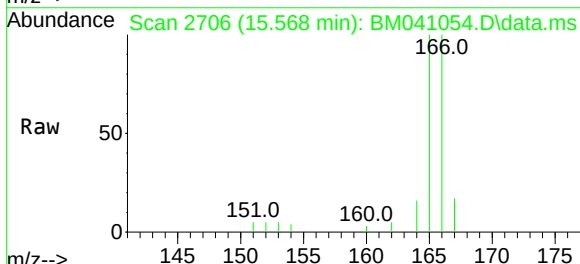
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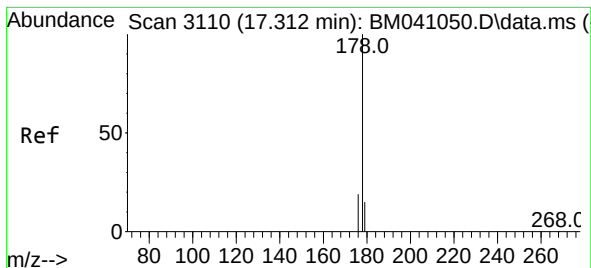
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#12
Fluorene
Concen: 0.095 ng/u1
RT: 15.568 min Scan# 2706
Delta R.T. -0.005 min
Lab File: BM041054.D
Acq: 22 Jul 2023 14:34

Tgt Ion:166 Resp: 3330
Ion Ratio Lower Upper
166 100
165 100.3 80.3 120.5
167 17.0 11.7 17.5





#15

Phenanthrene

Concen: 0.931 ng/ul

RT: 17.312 min Scan# 3110

Delta R.T. -0.004 min

Lab File: BM041054.D

Acq: 22 Jul 2023 14:34

Instrument :

BNA_M

ClientSampleId :

A46S9DL

Tgt Ion:178 Resp: 46634

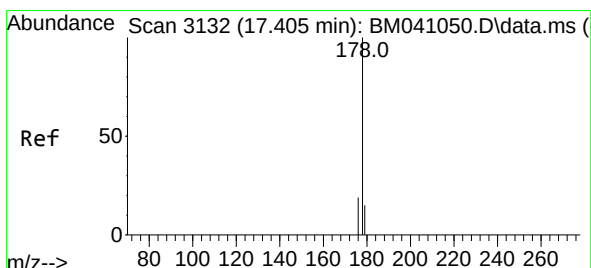
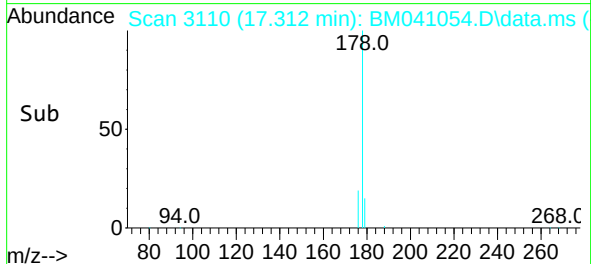
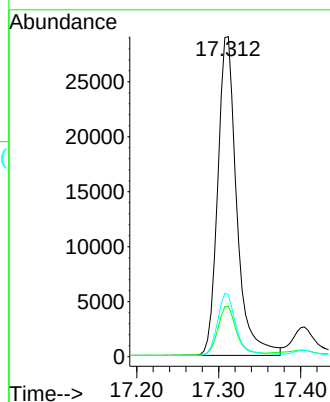
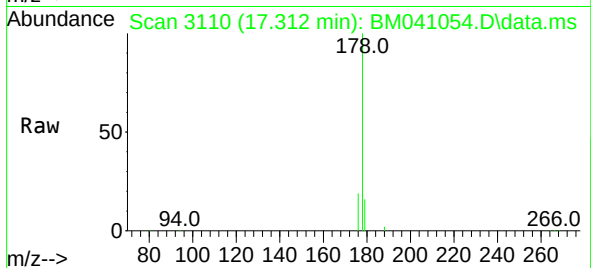
Ion	Ratio	Lower	Upper
178	100		
179	15.8	13.0	19.6
176	19.4	16.2	24.4

Manual Integrations

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Supervised By :mohammad ahmed 07/24/2023



#16

Anthracene

Concen: 0.133 ng/ul

RT: 17.405 min Scan# 3132

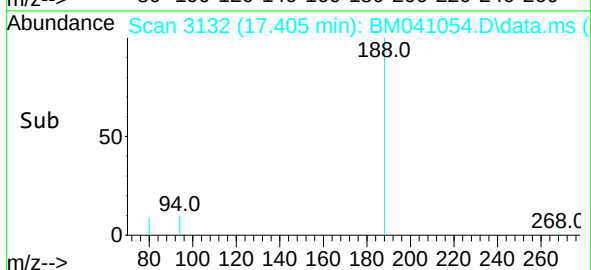
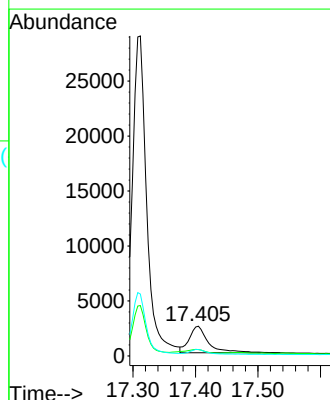
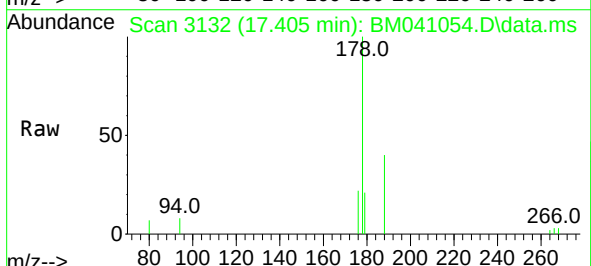
Delta R.T. -0.004 min

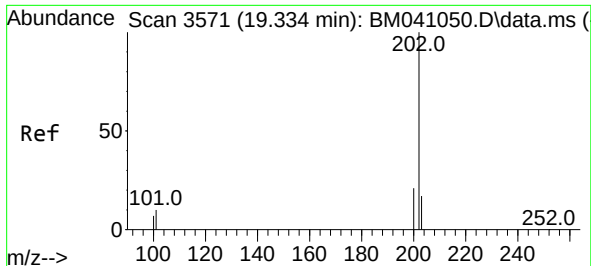
Lab File: BM041054.D

Acq: 22 Jul 2023 14:34

Tgt Ion:178 Resp: 5178

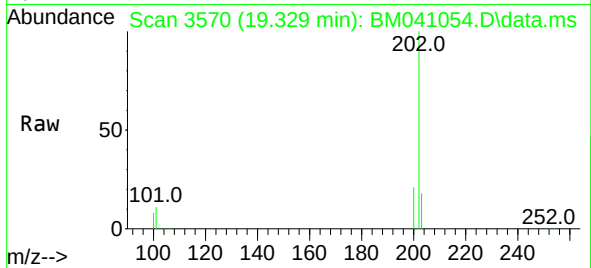
Ion	Ratio	Lower	Upper
178	100		
179	21.5	13.7	20.5#
176	21.8	16.4	24.6





#19
Fluoranthene
Concen: 0.968 ng/u1
RT: 19.329 min Scan# 3570
Delta R.T. -0.005 min
Lab File: BM041054.D
Acq: 22 Jul 2023 14:34

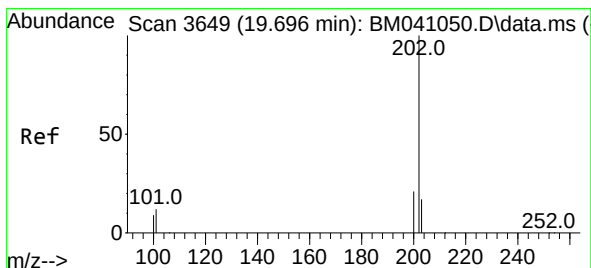
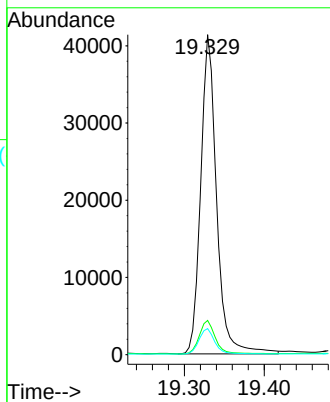
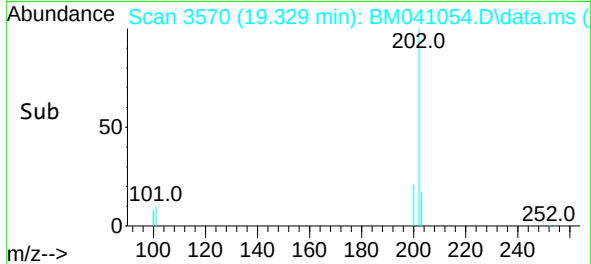
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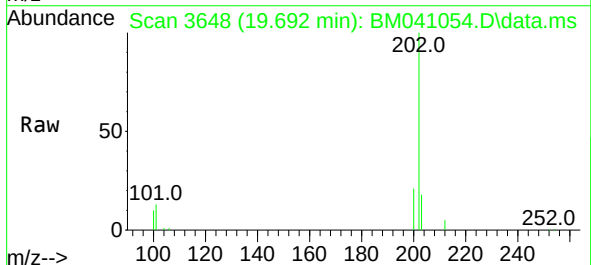
Tgt Ion:202 Resp: 5712
Ion Ratio Lower Upper
202 100
101 10.7 11.0 16.4
100 8.1 8.3 12.5

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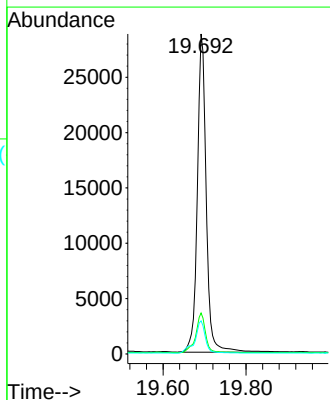
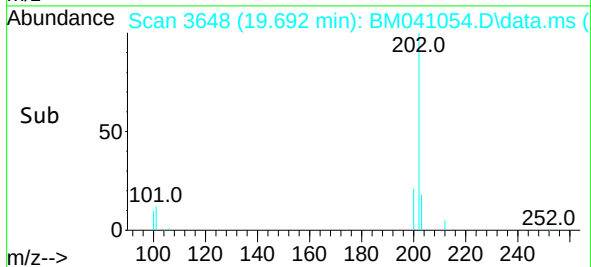
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

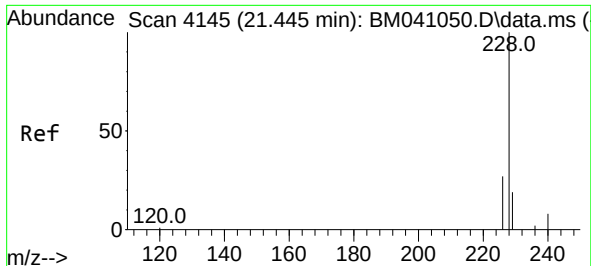


#20
Pyrene
Concen: 0.713 ng/u1
RT: 19.692 min Scan# 3648
Delta R.T. -0.005 min
Lab File: BM041054.D
Acq: 22 Jul 2023 14:34



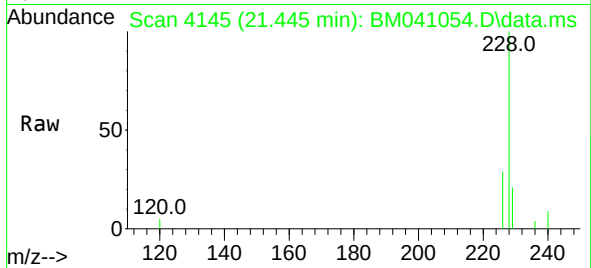
Tgt Ion:202 Resp: 43028
Ion Ratio Lower Upper
202 100
101 12.8 12.5 18.7
100 10.3 10.0 15.0





#21
Benzo(a)anthracene
Concen: 0.526 ng/u1
RT: 21.445 min Scan# 4145
Delta R.T. -0.003 min
Lab File: BM041054.D
Acq: 22 Jul 2023 14:34

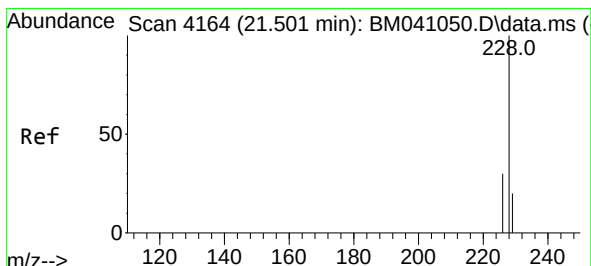
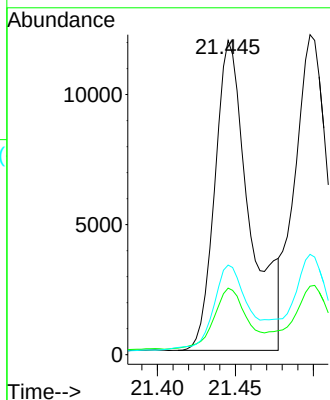
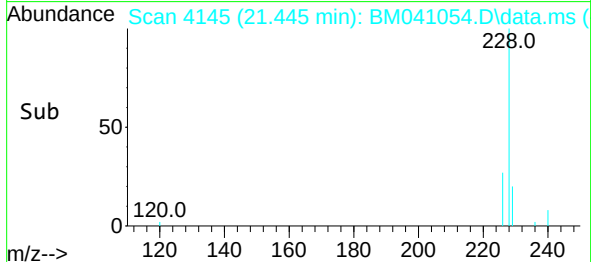
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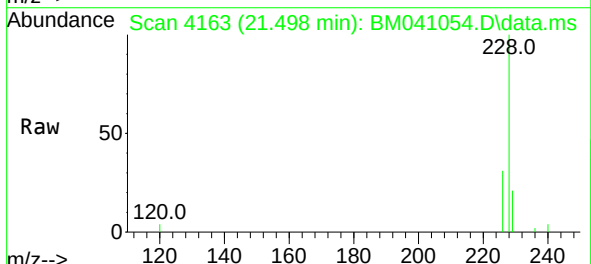
Tgt Ion:228 Resp: 18338
Ion Ratio Lower Upper
228 100
229 21.2 16.2 24.4
226 28.5 22.3 33.5

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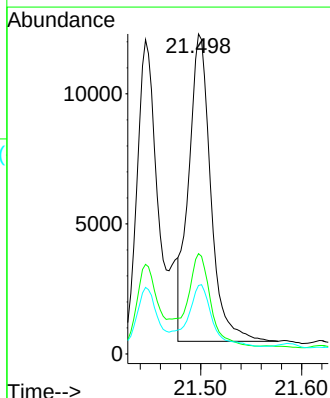
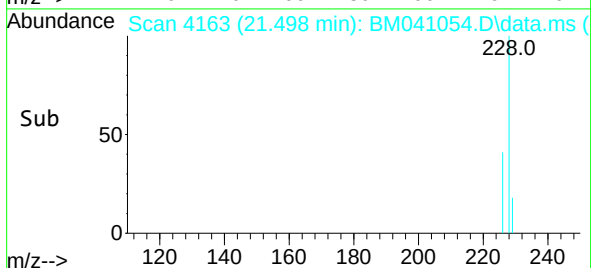
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

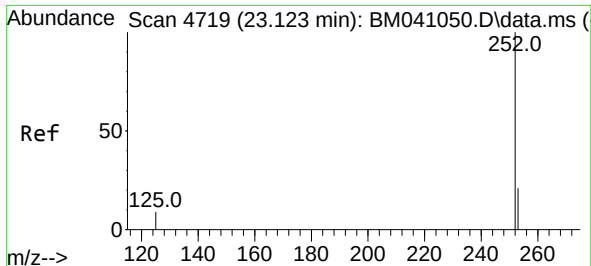


#22
Chrysene
Concen: 0.451 ng/u1
RT: 21.498 min Scan# 4163
Delta R.T. -0.003 min
Lab File: BM041054.D
Acq: 22 Jul 2023 14:34



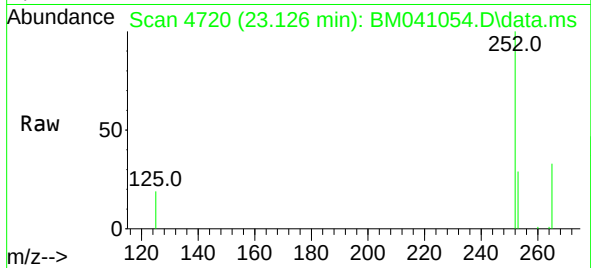
Tgt Ion:228 Resp: 17971
Ion Ratio Lower Upper
228 100
226 31.4 24.6 37.0
229 21.4 16.1 24.1





#24
Benzo(b)fluoranthene
Concen: 0.452 ng/ul
RT: 23.126 min Scan# 4720
Delta R.T. 0.000 min
Lab File: BM041054.D
Acq: 22 Jul 2023 14:34

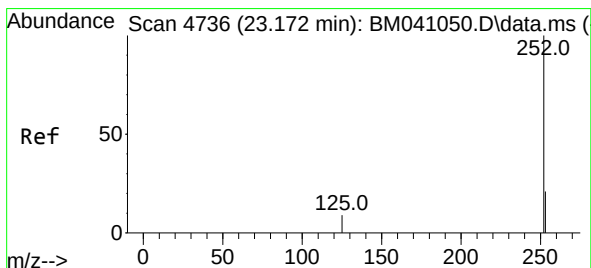
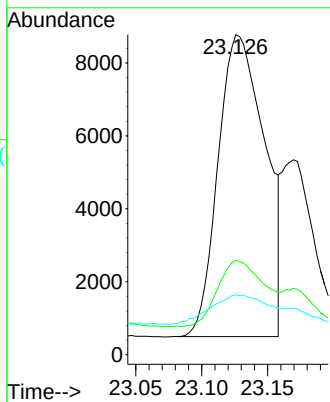
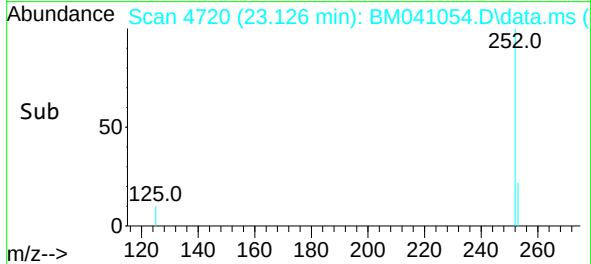
Instrument :
BNA_M
ClientSampleId :
A46S9DL



Tgt Ion:252 Resp: 20420
Ion Ratio Lower Upper
252 100
253 29.5 0.0 57.4
125 18.7 0.0 45.2

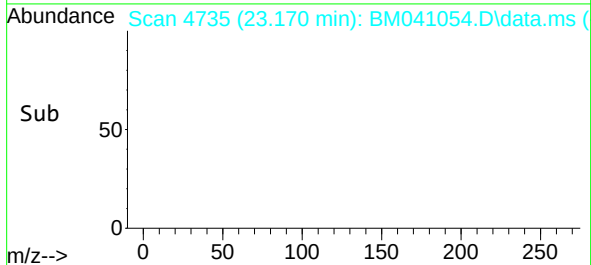
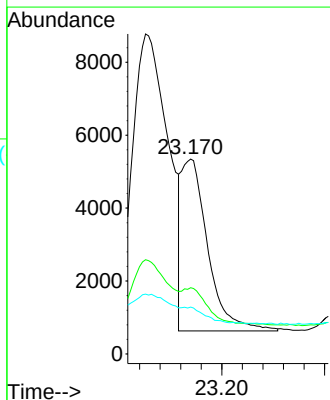
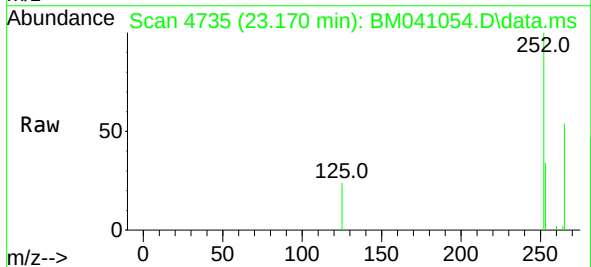
Manual Integrations
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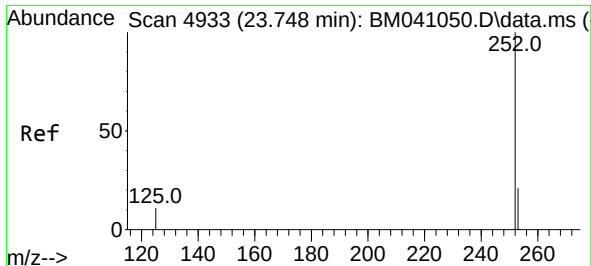
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#25
Benzo(k)fluoranthene
Concen: 0.195 ng/ul m
RT: 23.170 min Scan# 4735
Delta R.T. -0.003 min
Lab File: BM041054.D
Acq: 22 Jul 2023 14:34

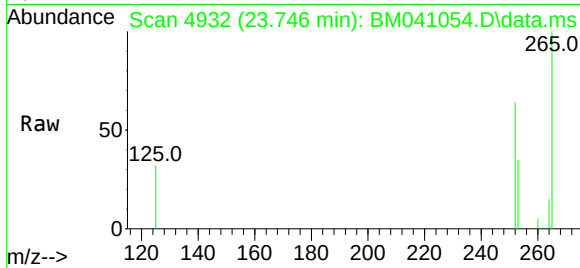
Tgt Ion:252 Resp: 8373
Ion Ratio Lower Upper
252 100
253 34.0 23.3 34.9
125 24.1 18.2 27.2





#26
Benzo(a)pyrene
Concen: 0.079 ng/ul
RT: 23.746 min Scan# 4933
Delta R.T. -0.003 min
Lab File: BM041054.D
Acq: 22 Jul 2023 14:34

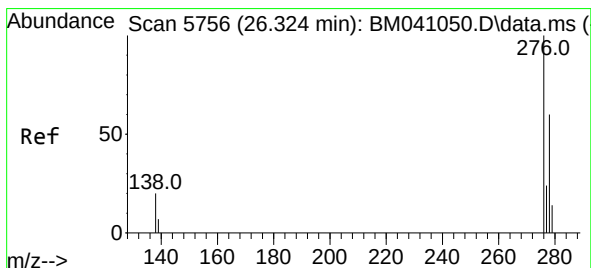
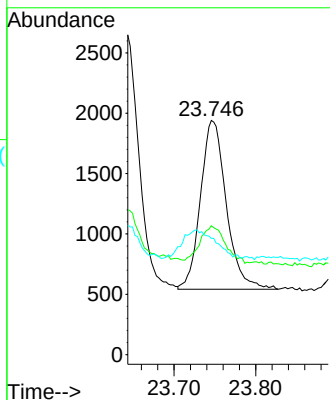
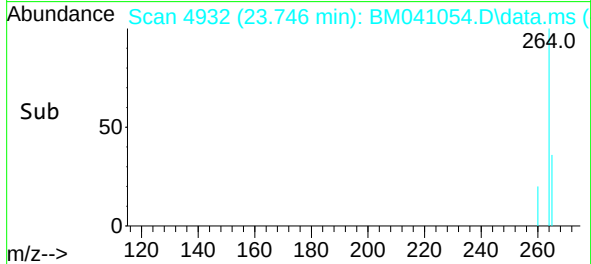
Instrument :
BNA_M
ClientSampleId :
A46S9DL



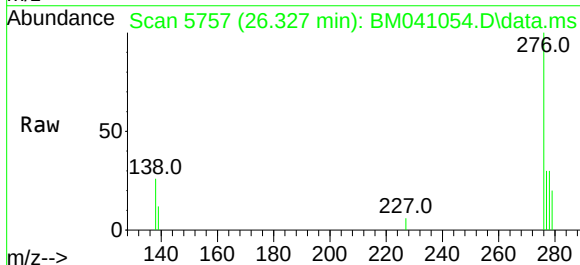
Tgt Ion:252 Resp: 307
Ion Ratio Lower Upper
252 100
253 55.1 28.2 42.2
125 49.7 25.2 37.8

Manual Integrations
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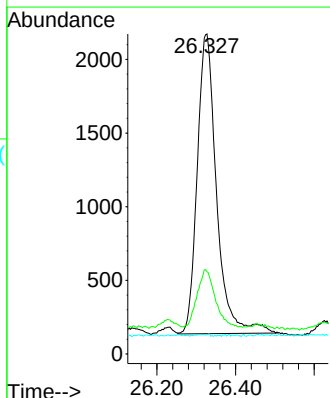
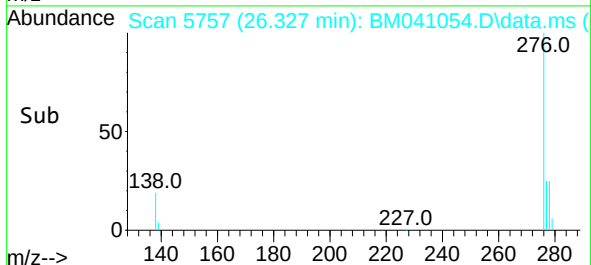
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

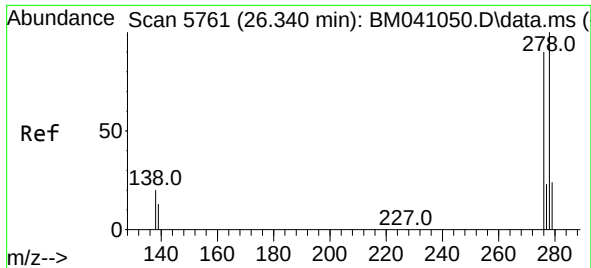


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.134 ng/ul
RT: 26.327 min Scan# 5757
Delta R.T. 0.000 min
Lab File: BM041054.D
Acq: 22 Jul 2023 14:34



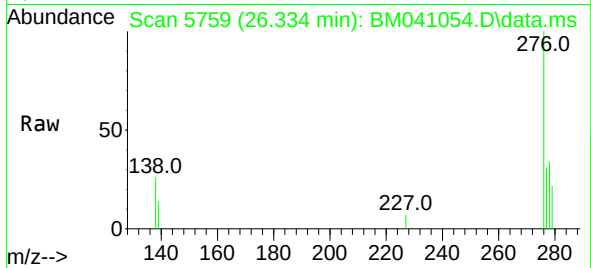
Tgt Ion:276 Resp: 6944
Ion Ratio Lower Upper
276 100
138 18.6 22.3 33.5#
227 0.1 0.0 0.0#





#28
 Dibenzo(a,h)anthracene
 Concen: 0.054 ng/ul
 RT: 26.334 min Scan# 51
 Delta R.T. -0.013 min
 Lab File: BM041054.D
 Acq: 22 Jul 2023 14:34

Instrument :
 BNA_M
 ClientSampleId :
 A46S9DL



Tgt Ion:278 Resp: 212
 Ion Ratio Lower Upper
 278 100
 139 39.9 19.2 28.8
 279 63.5 27.0 40.6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023

