

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
 Data File : BM041065.D
 Acq On : 22 Jul 2023 21:54
 Operator : MA/JU
 Sample : 03504-13
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A46S8

Manual Integrations
 APPROVED

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

Quant Time: Jul 22 22:38:37 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	7.853	152	3905	0.400	ng/ul	0.00
4) Naphthalene-d8	10.658	136	13751	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.509	164	8362	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.265	188	23056	0.400	ng/ul	0.00
17) Chrysene-d12	21.454	240	13044	0.400	ng/ul	# 0.00
23) Perylene-d12	23.842	264	15868	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.271	96	12453	1.940	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.253	152	7162	0.391	ng/ul	-0.01
18) Fluoranthene-d10	19.297	212	16117	0.294	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.708	128	27782	0.739	ng/ul	99
7) 2-Methylnaphthalene	12.325	142	13860	0.672	ng/ul	96
8) 1-Methylnaphthalene	12.544	142	12376	0.564	ng/ul	99
10) Acenaphthylene	14.231	152	38930	1.111	ng/ul	99
11) Acenaphthene	14.569	153	53490	1.733	ng/ul	97
12) Fluorene	15.559	166	64498	2.018	ng/ul	98
15) Phenanthrene	17.303	178	1250550	18.147	ng/ul	98
16) Anthracene	17.396	178	167306	3.116	ng/ul	97
19) Fluoranthene	19.329	202	2010084	29.847	ng/ul#	91
20) Pyrene	19.692	202	951351	13.827	ng/ul#	91
21) Benzo(a)anthracene	21.440	228	661948	16.659	ng/ul	99
22) Chrysene	21.492	228	681705	15.007	ng/ul	97
24) Benzo(b)fluoranthene	23.117	252	724035	11.888	ng/ul	83
25) Benzo(k)fluoranthene	23.158	252	291543m	5.038	ng/ul	
26) Benzo(a)pyrene	23.734	252	99829	1.898	ng/ul#	81
27) Indeno(1,2,3-cd)pyrene	26.307	276	156787	2.246	ng/ul#	87
28) Dibenzo(a,h)anthracene	26.314	278	85312m	1.616	ng/ul	
29) Benzo(g,h,i)perylene	27.068	276	7287	0.113	ng/ul#	72

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

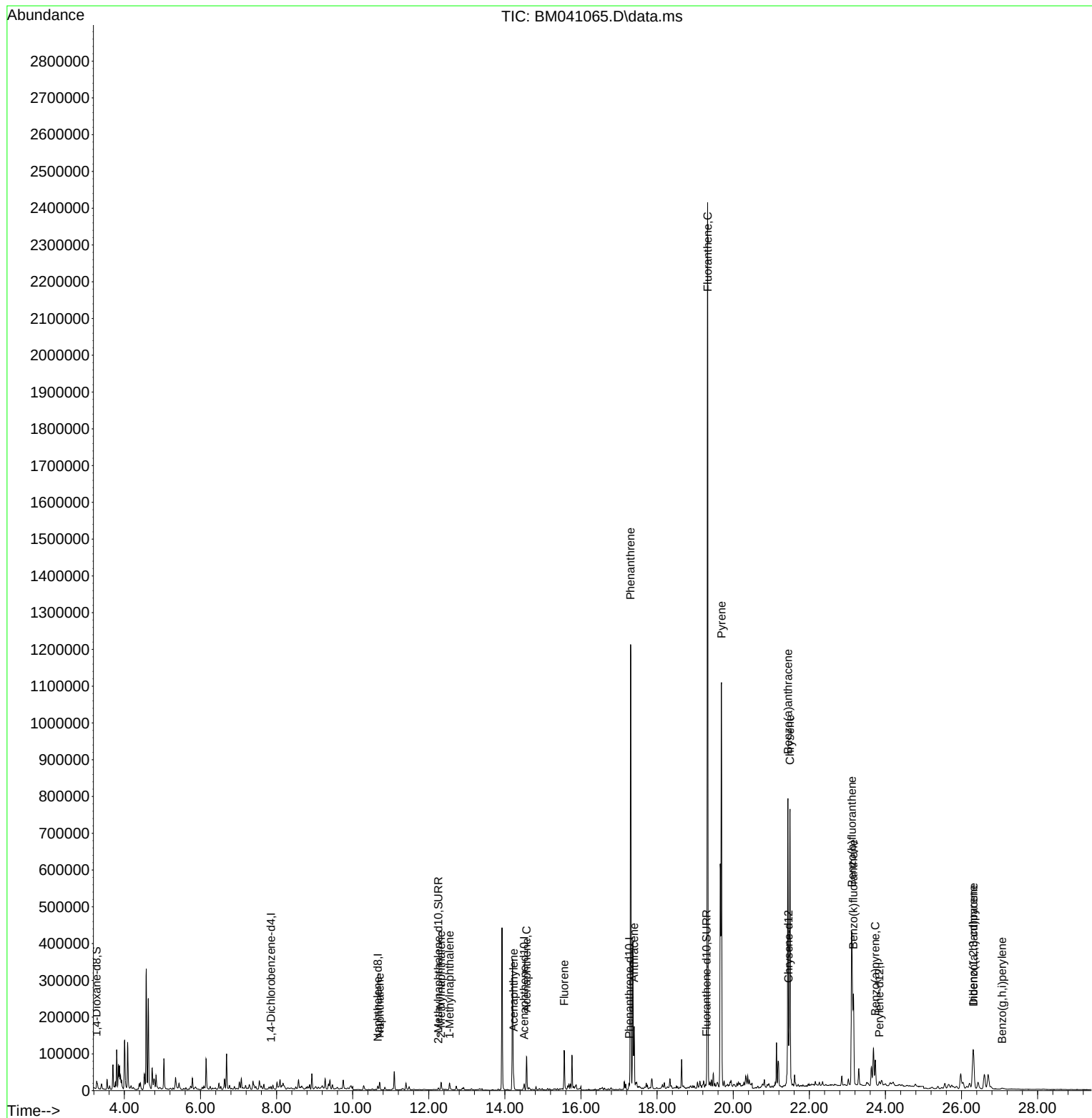
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
Data File : BM041065.D
Acq On : 22 Jul 2023 21:54
Operator : MA/JU
Sample : 03504-13
Misc :
ALS Vial : 56 Sample Multiplier: 1

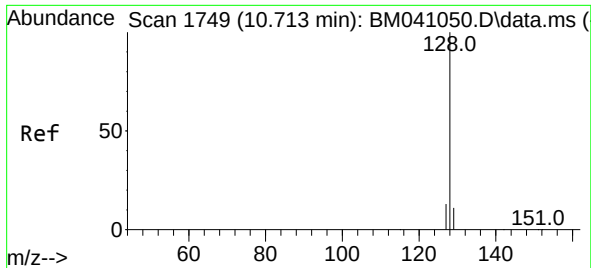
Instrument :
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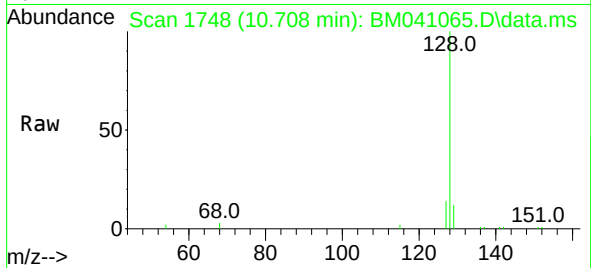
Quant Time: Jul 22 22:38:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 22 22:33:48 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.739 ng/ul
RT: 10.708 min Scan# 1748
Delta R.T. -0.011 min
Lab File: BM041065.D
Acq: 22 Jul 2023 21:54

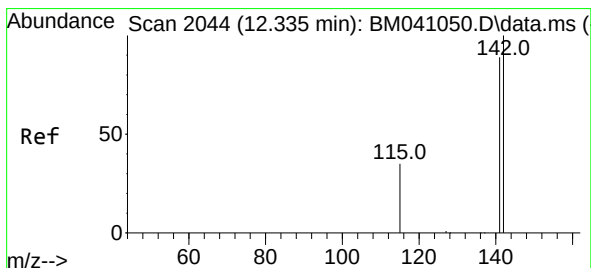
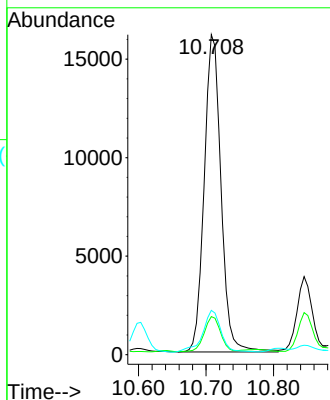
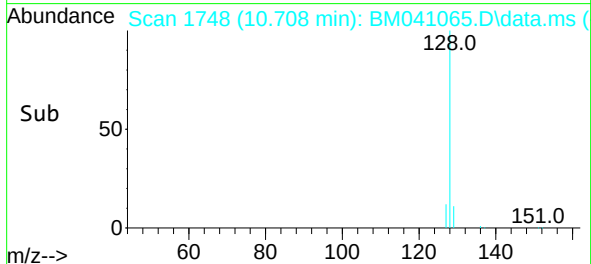
Instrument :
BNA_M
ClientSampleId :
A46S8



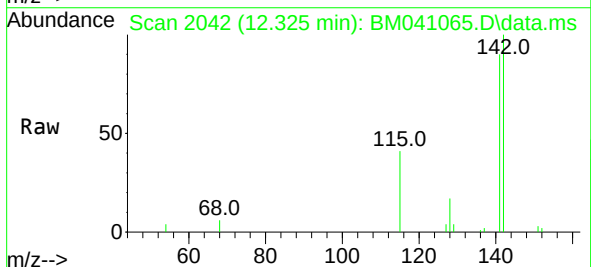
Tgt Ion:128 Resp: 2778
Ion Ratio Lower Upper
128 100
129 11.9 9.8 14.8
127 13.8 11.0 16.4

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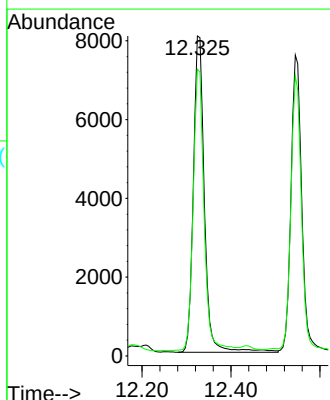
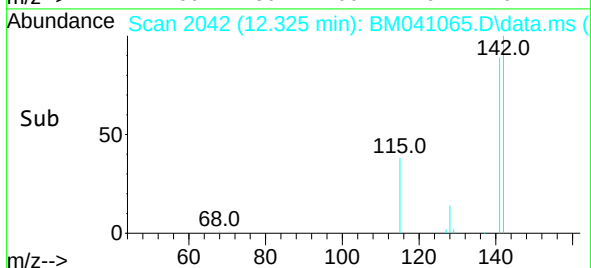
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

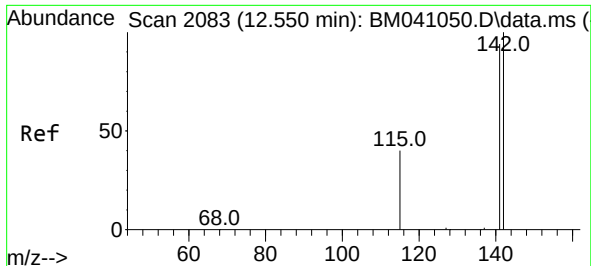


#7
2-Methylnaphthalene
Concen: 0.672 ng/ul
RT: 12.325 min Scan# 2042
Delta R.T. -0.011 min
Lab File: BM041065.D
Acq: 22 Jul 2023 21:54



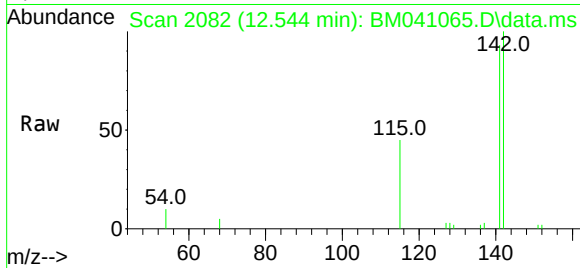
Tgt Ion:142 Resp: 13860
Ion Ratio Lower Upper
142 100
141 87.4 73.2 109.8





#8
1-Methylnaphthalene
Concen: 0.564 ng/ul
RT: 12.544 min Scan# 2083
Delta R.T. -0.011 min
Lab File: BM041065.D
Acq: 22 Jul 2023 21:54

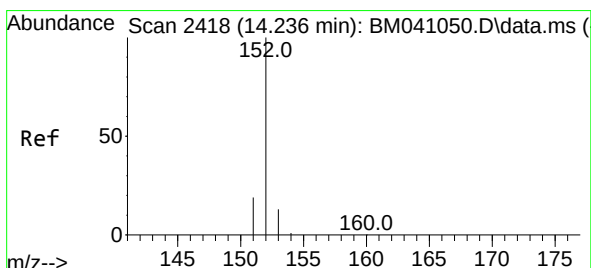
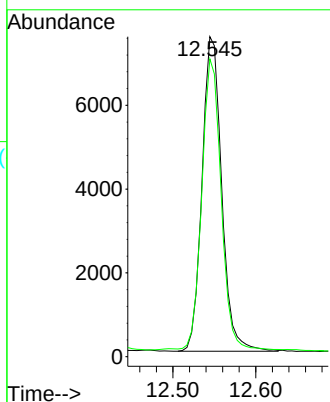
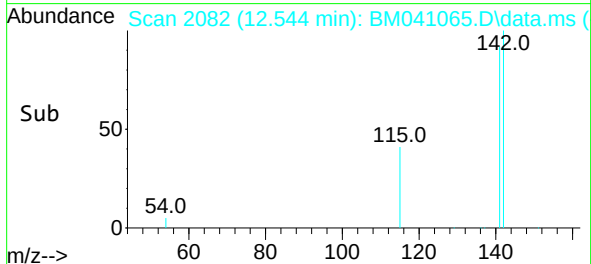
Instrument :
BNA_M
ClientSampleId :
A46S8



Tgt Ion:142 Resp: 12370
Ion Ratio Lower Upper
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141 90.9 73.4 110.2

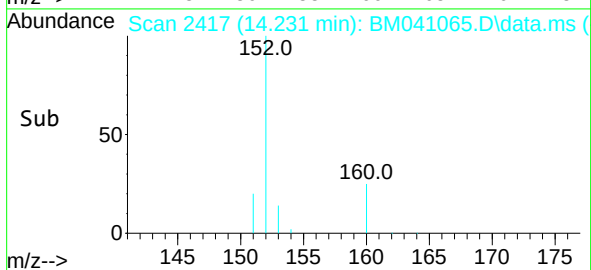
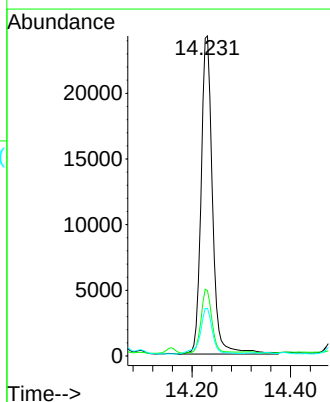
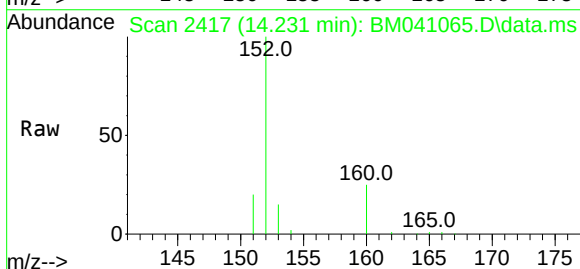
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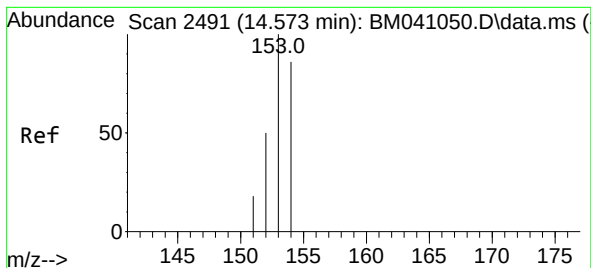
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#10
Acenaphthylene
Concen: 1.111 ng/ul
RT: 14.231 min Scan# 2417
Delta R.T. -0.004 min
Lab File: BM041065.D
Acq: 22 Jul 2023 21:54

Tgt Ion:152 Resp: 38930
Ion Ratio Lower Upper
152 100
151 20.4 16.8 25.2
153 14.9 11.6 17.4





#11

Acenaphthene

Concen: 1.733 ng/ul

RT: 14.569 min Scan# 2491

Delta R.T. -0.004 min

Lab File: BM041065.D

Acq: 22 Jul 2023 21:54

Instrument :

BNA_M

ClientSampleId :

A46S8

Tgt Ion:153 Resp: 53490

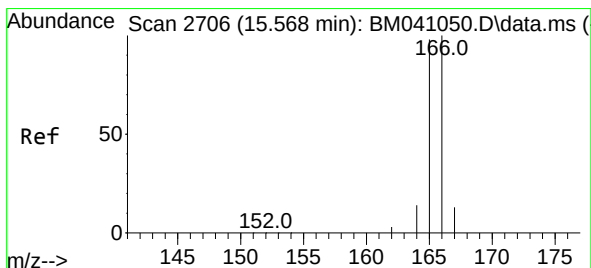
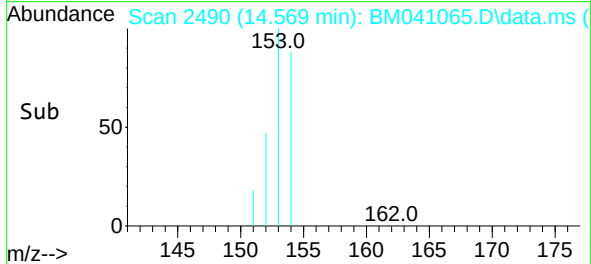
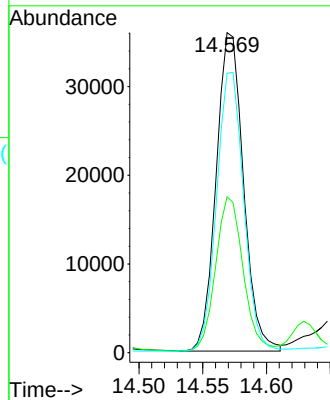
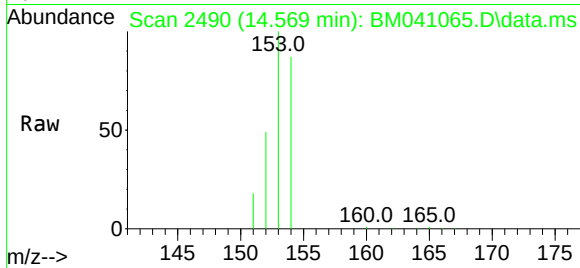
Ion	Ratio	Lower	Upper
153	100		
152	48.7	41.0	61.6
154	87.3	68.2	102.2

Manual Integrations

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Supervised By :mohammad ahmed 07/24/2023



#12

Fluorene

Concen: 2.018 ng/ul

RT: 15.559 min Scan# 2704

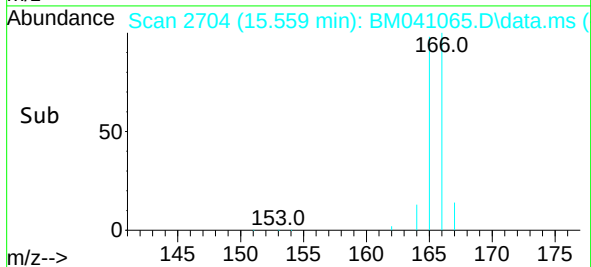
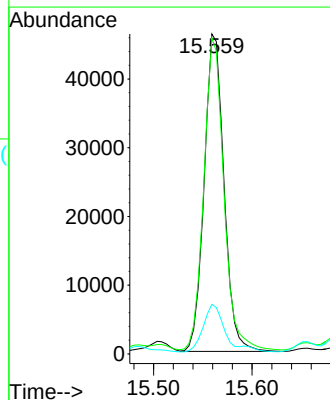
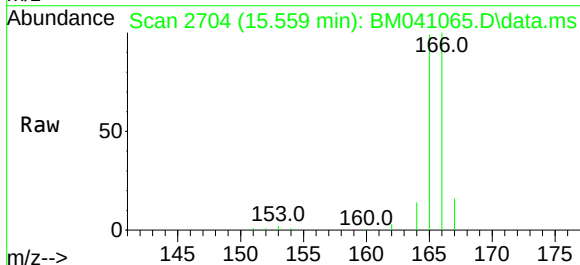
Delta R.T. -0.014 min

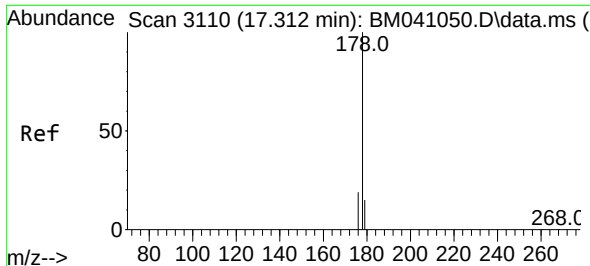
Lab File: BM041065.D

Acq: 22 Jul 2023 21:54

Tgt Ion:166 Resp: 64498

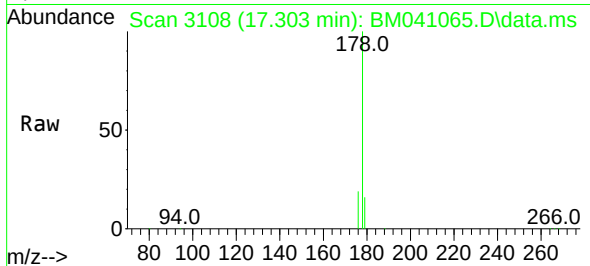
Ion	Ratio	Lower	Upper
166	100		
165	98.7	80.3	120.5
167	15.5	11.7	17.5





#15
Phenanthrene
Concen: 18.147 ng/ul
RT: 17.303 min Scan# 3110
Delta R.T. -0.012 min
Lab File: BM041065.D
Acq: 22 Jul 2023 21:54

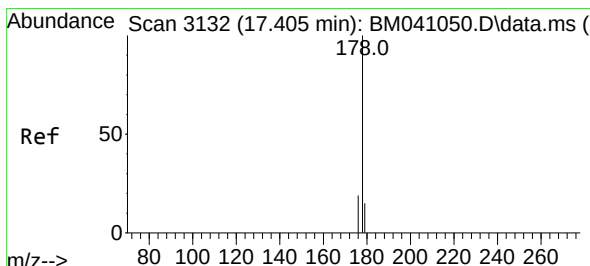
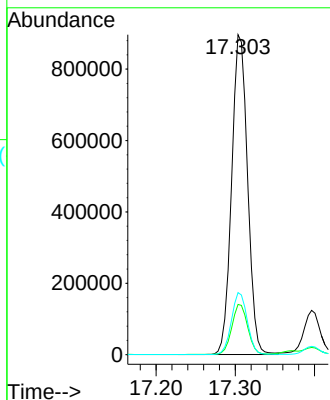
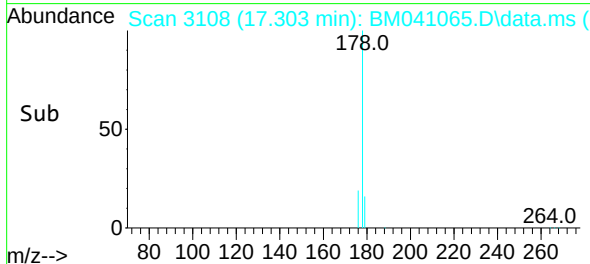
Instrument :
BNA_M
ClientSampleId :
A46S8



Tgt Ion:178 Resp: 1250550
Ion Ratio Lower Upper
178 100
179 15.7 13.0 19.6
176 19.4 16.2 24.4

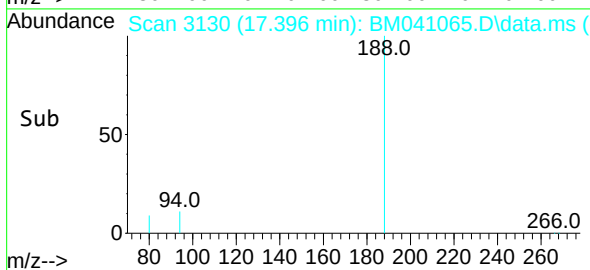
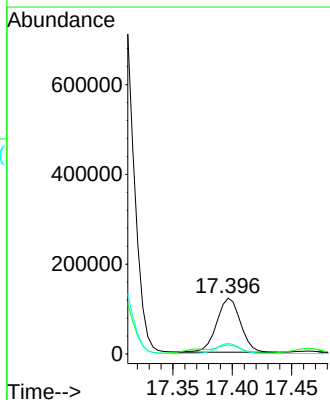
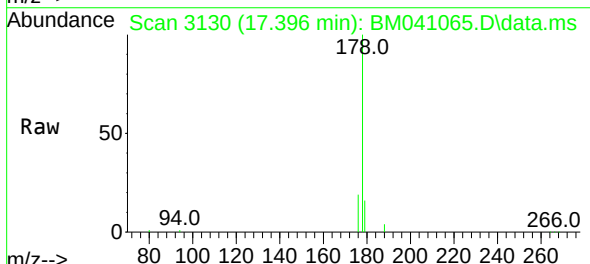
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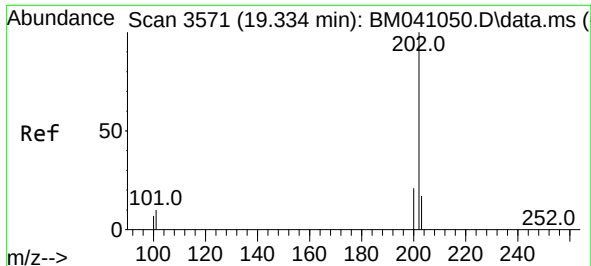
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#16
Anthracene
Concen: 3.116 ng/ul
RT: 17.396 min Scan# 3130
Delta R.T. -0.012 min
Lab File: BM041065.D
Acq: 22 Jul 2023 21:54

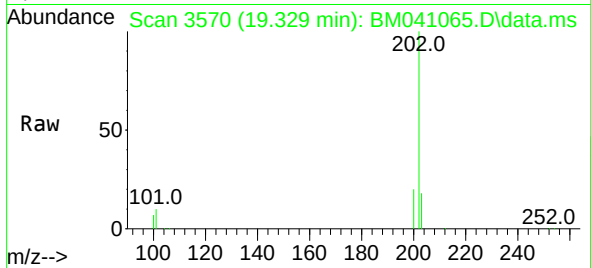
Tgt Ion:178 Resp: 167306
Ion Ratio Lower Upper
178 100
179 16.4 13.7 20.5
176 18.9 16.4 24.6





#19
Fluoranthene
Concen: 29.847 ng/u1
RT: 19.329 min Scan# 3570
Delta R.T. -0.004 min
Lab File: BM041065.D
Acq: 22 Jul 2023 21:54

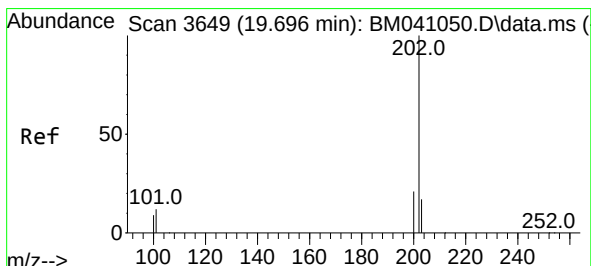
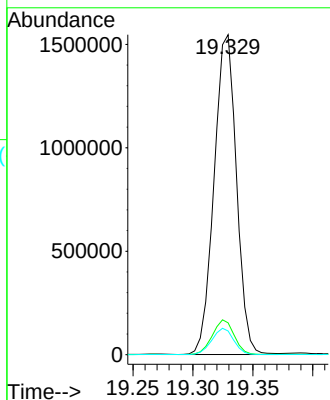
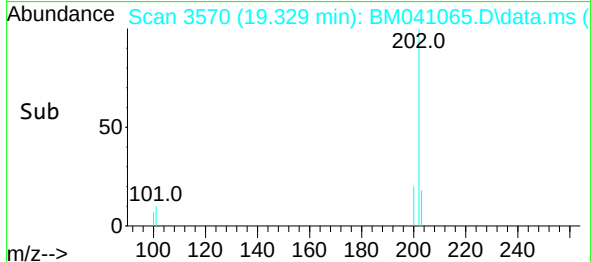
Instrument :
BNA_M
ClientSampleId :
A46S8



Tgt Ion:202 Resp: 2010084
Ion Ratio Lower Upper
202 100
101 10.0 11.0 16.4#
100 7.4 8.3 12.5#

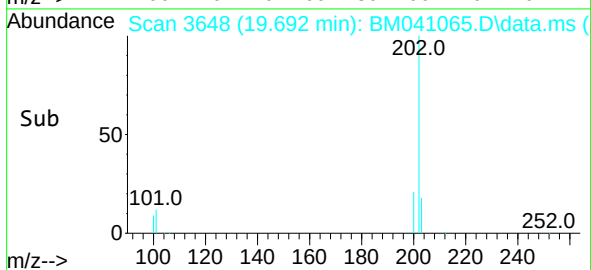
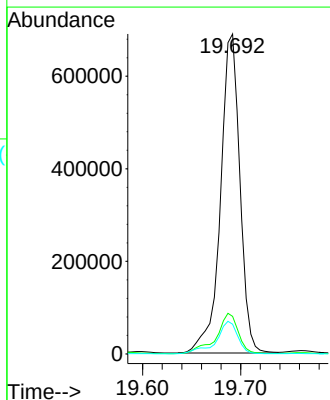
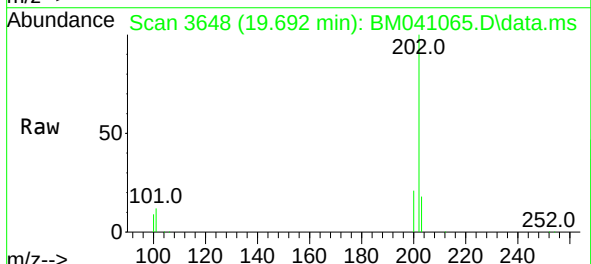
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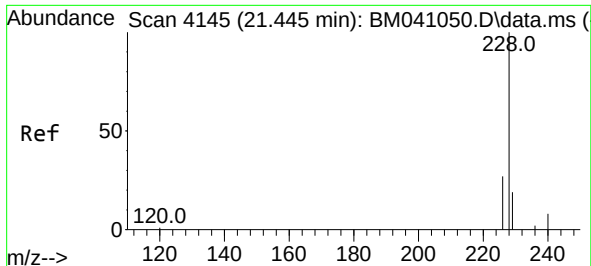
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#20
Pyrene
Concen: 13.827 ng/u1
RT: 19.692 min Scan# 3648
Delta R.T. -0.004 min
Lab File: BM041065.D
Acq: 22 Jul 2023 21:54

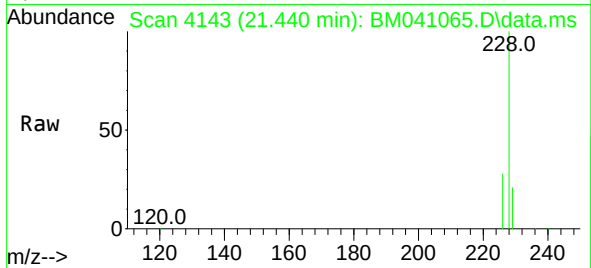
Tgt Ion:202 Resp: 951351
Ion Ratio Lower Upper
202 100
101 11.7 12.5 18.7#
100 9.3 10.0 15.0#





#21
Benzo(a)anthracene
Concen: 16.659 ng/ul
RT: 21.440 min Scan# 4145
Delta R.T. -0.008 min
Lab File: BM041065.D
Acq: 22 Jul 2023 21:54

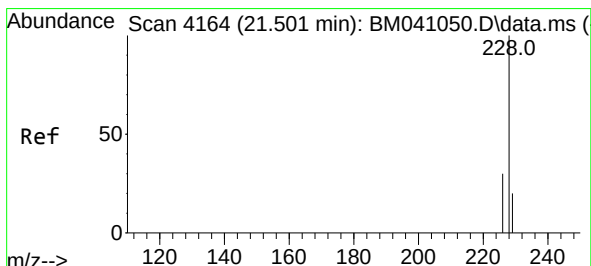
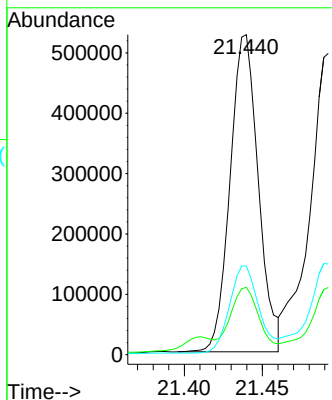
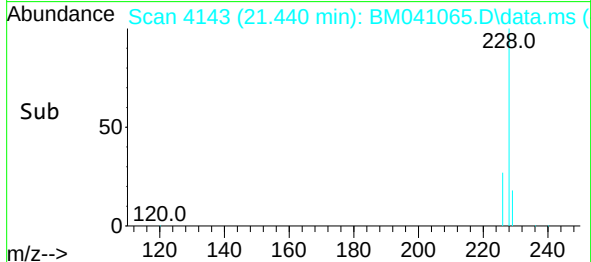
Instrument :
BNA_M
ClientSampleId :
A46S8



Tgt Ion:228 Resp: 66194
Ion Ratio Lower Upper
228 100
229 21.1 16.2 24.4
226 27.7 22.3 33.5

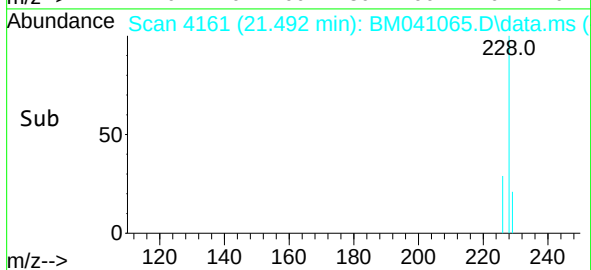
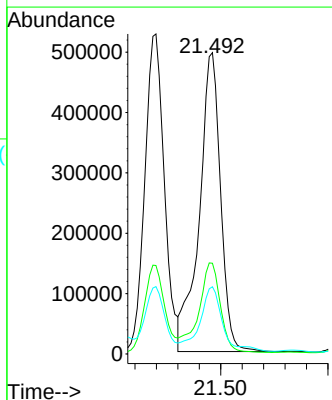
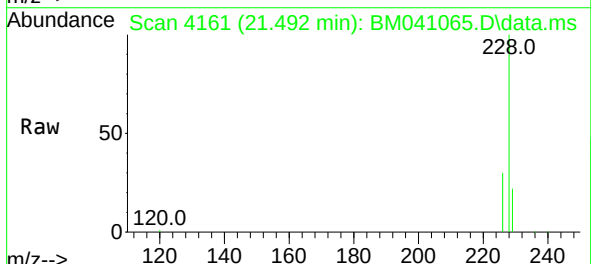
Manual Integrations
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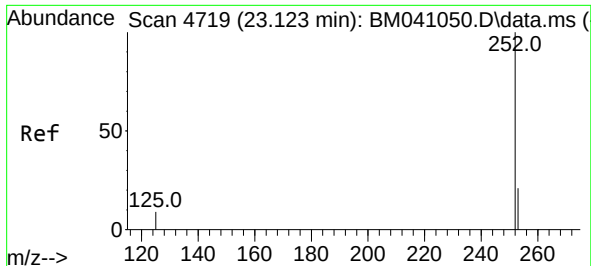
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#22
Chrysene
Concen: 15.007 ng/ul
RT: 21.492 min Scan# 4161
Delta R.T. -0.008 min
Lab File: BM041065.D
Acq: 22 Jul 2023 21:54

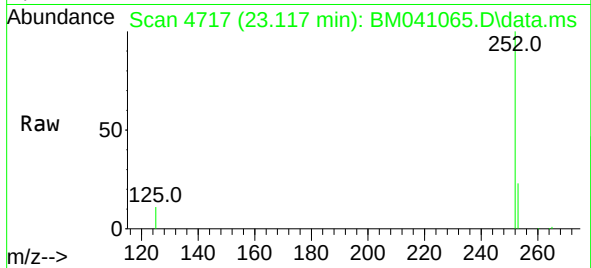
Tgt Ion:228 Resp: 681705
Ion Ratio Lower Upper
228 100
226 30.1 24.6 37.0
229 22.3 16.1 24.1





#24
Benzo(b)fluoranthene
Concen: 11.888 ng/ul
RT: 23.117 min Scan# 4719
Delta R.T. -0.008 min
Lab File: BM041065.D
Acq: 22 Jul 2023 21:54

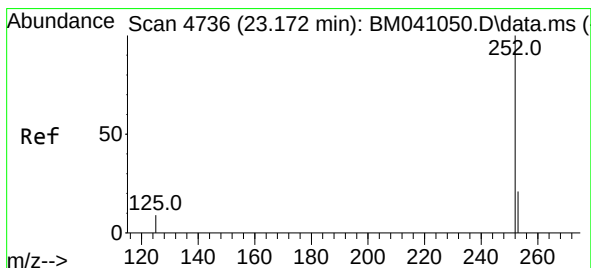
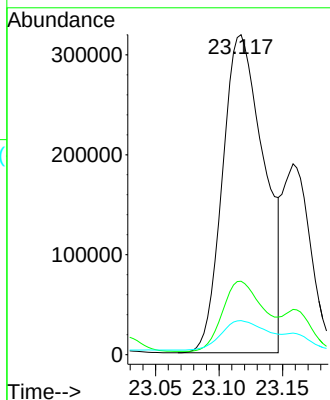
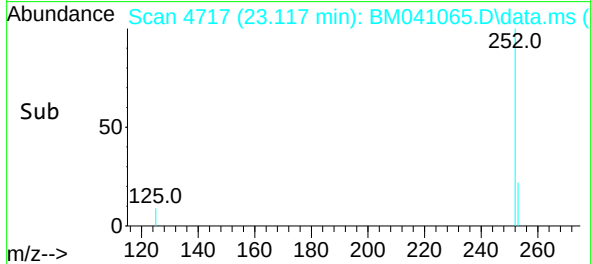
Instrument :
BNA_M
ClientSampleId :
A46S8



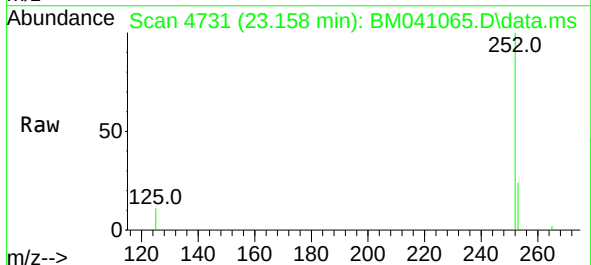
Tgt Ion:252 Resp: 724035
Ion Ratio Lower Upper
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125 10.7 0.0 45.2

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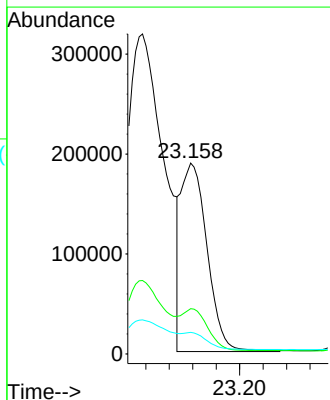
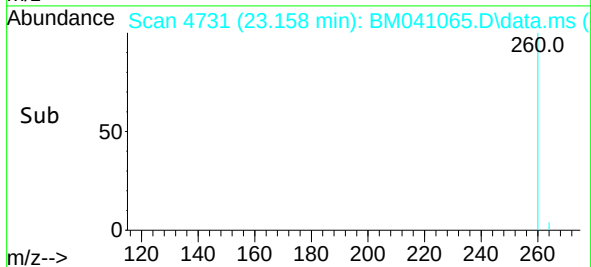
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

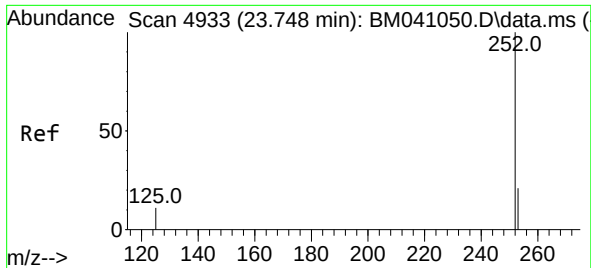


#25
Benzo(k)fluoranthene
Concen: 5.038 ng/ul m
RT: 23.158 min Scan# 4731
Delta R.T. -0.014 min
Lab File: BM041065.D
Acq: 22 Jul 2023 21:54



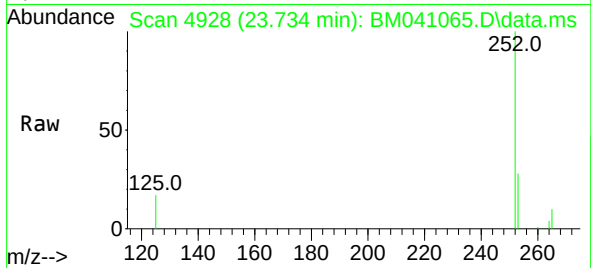
Tgt Ion:252 Resp: 291543
Ion Ratio Lower Upper
252 100
253 23.7 23.3 34.9
125 11.3 18.2 27.2#





#26
Benzo(a)pyrene
Concen: 1.898 ng/ul
RT: 23.734 min Scan# 4933
Delta R.T. -0.014 min
Lab File: BM041065.D
Acq: 22 Jul 2023 21:54

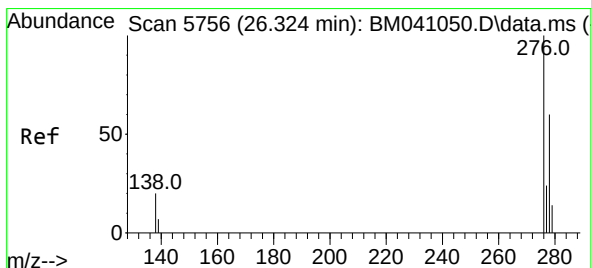
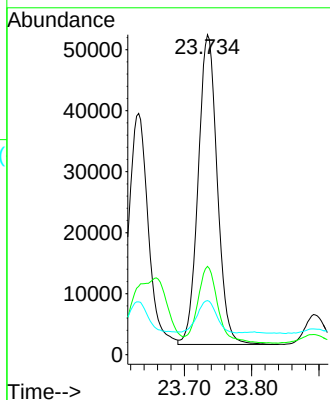
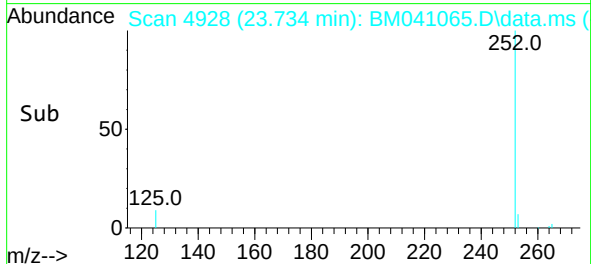
Instrument :
BNA_M
ClientSampleId :
A46S8



Tgt Ion:252 Resp: 99829
Ion Ratio Lower Upper
252 100
253 27.6 28.2 42.2#
125 16.9 25.2 37.8#

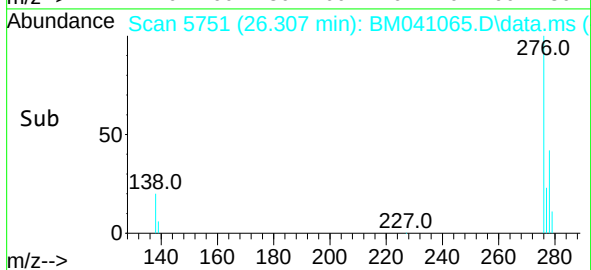
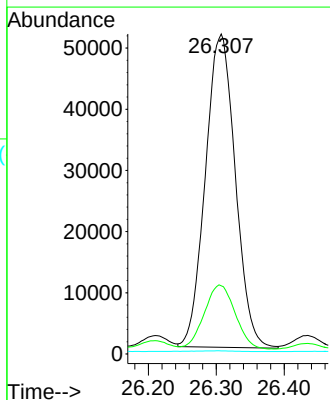
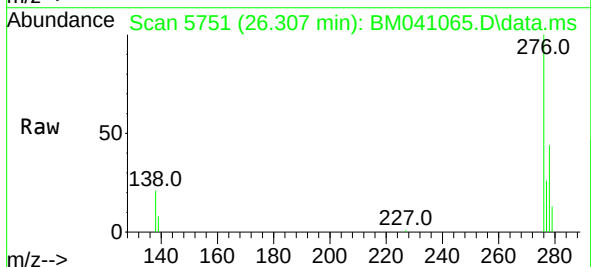
Manual Integrations
APPROVED

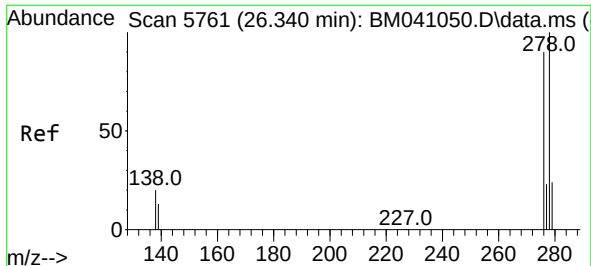
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 2.246 ng/ul
RT: 26.307 min Scan# 5751
Delta R.T. -0.020 min
Lab File: BM041065.D
Acq: 22 Jul 2023 21:54

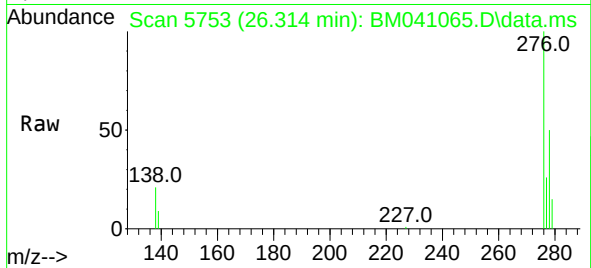
Tgt Ion:276 Resp: 156787
Ion Ratio Lower Upper
276 100
138 21.1 22.3 33.5#
227 0.3 0.0 0.0#





#28
Dibenzo(a,h)anthracene
Concen: 1.616 ng/ul m
RT: 26.314 min Scan# 5753
Delta R.T. -0.033 min
Lab File: BM041065.D
Acq: 22 Jul 2023 21:54

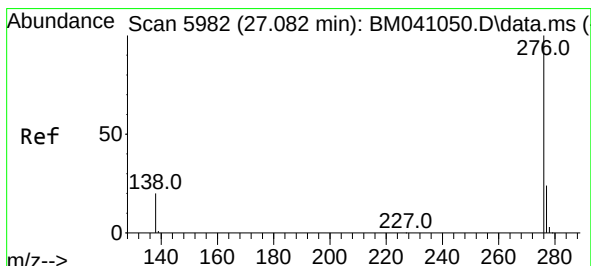
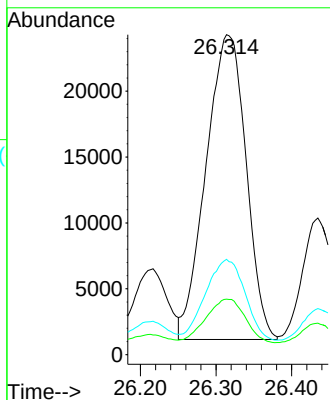
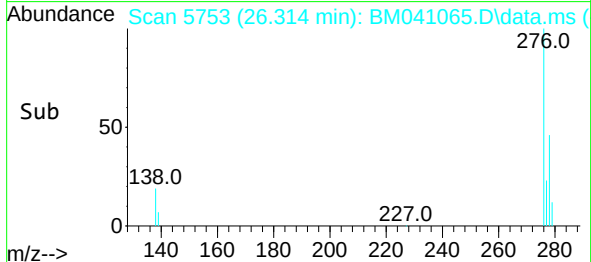
Instrument :
BNA_M
ClientSampleId :
A46S8



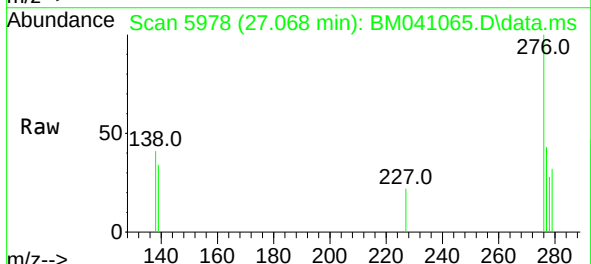
Tgt Ion:278 Resp: 85312
Ion Ratio Lower Upper
278 100
139 17.4 19.2 28.8#
279 29.8 27.0 40.6#

Manual Integrations
APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 0.113 ng/ul
RT: 27.068 min Scan# 5978
Delta R.T. -0.016 min
Lab File: BM041065.D
Acq: 22 Jul 2023 21:54



Tgt Ion:276 Resp: 7287
Ion Ratio Lower Upper
276 100
138 41.1 22.6 34.0#
277 43.1 21.2 31.8#

