

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
 Data File : BM041047.D
 Acq On : 22 Jul 2023 10:15
 Operator : MA/JU
 Sample : 03540-06
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4738

Manual Integrations
 APPROVED

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

Quant Time: Jul 22 22:35:42 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	4277	0.400	ng/ul	0.00
4) Naphthalene-d8	10.658	136	14014	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.509	164	7460	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.265	188	16413	0.400	ng/ul	0.00
17) Chrysene-d12	21.460	240	12145	0.400	ng/ul	0.00
23) Perylene-d12	23.848	264	13068	0.400	ng/ul #	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.275	96	16941	2.409	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.253	152	6936	0.371	ng/ul	-0.01
18) Fluoranthene-d10	19.297	212	13470	0.264	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.708	128	5019	0.131	ng/ul#	92
7) 2-Methylnaphthalene	12.330	142	1823	0.087	ng/ul	97
8) 1-Methylnaphthalene	12.550	142	1883	0.084	ng/ul	100
10) Acenaphthylene	14.231	152	4904	0.157	ng/ul#	85
11) Acenaphthene	14.574	153	7401	0.269	ng/ul	97
12) Fluorene	15.564	166	12014	0.421	ng/ul	99
15) Phenanthrene	17.308	178	161874	3.300	ng/ul	98
16) Anthracene	17.396	178	33468	0.876	ng/ul	98
19) Fluoranthene	19.329	202	277911	4.432	ng/ul#	91
20) Pyrene	19.692	202	144740	2.259	ng/ul#	92
21) Benzo(a)anthracene	21.442	228	117393	3.173	ng/ul	98
22) Chrysene	21.495	228	105334	2.490	ng/ul	98
24) Benzo(b)fluoranthene	23.123	252	129794	2.588	ng/ul	88
25) Benzo(k)fluoranthene	23.164	252	53534m	1.123	ng/ul	
26) Benzo(a)pyrene	23.740	252	30423	0.702	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	26.314	276	34544	0.601	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.324	278	15879	0.365	ng/ul	94
29) Benzo(g,h,i)perylene	27.075	276	2269	0.043	ng/ul#	37

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

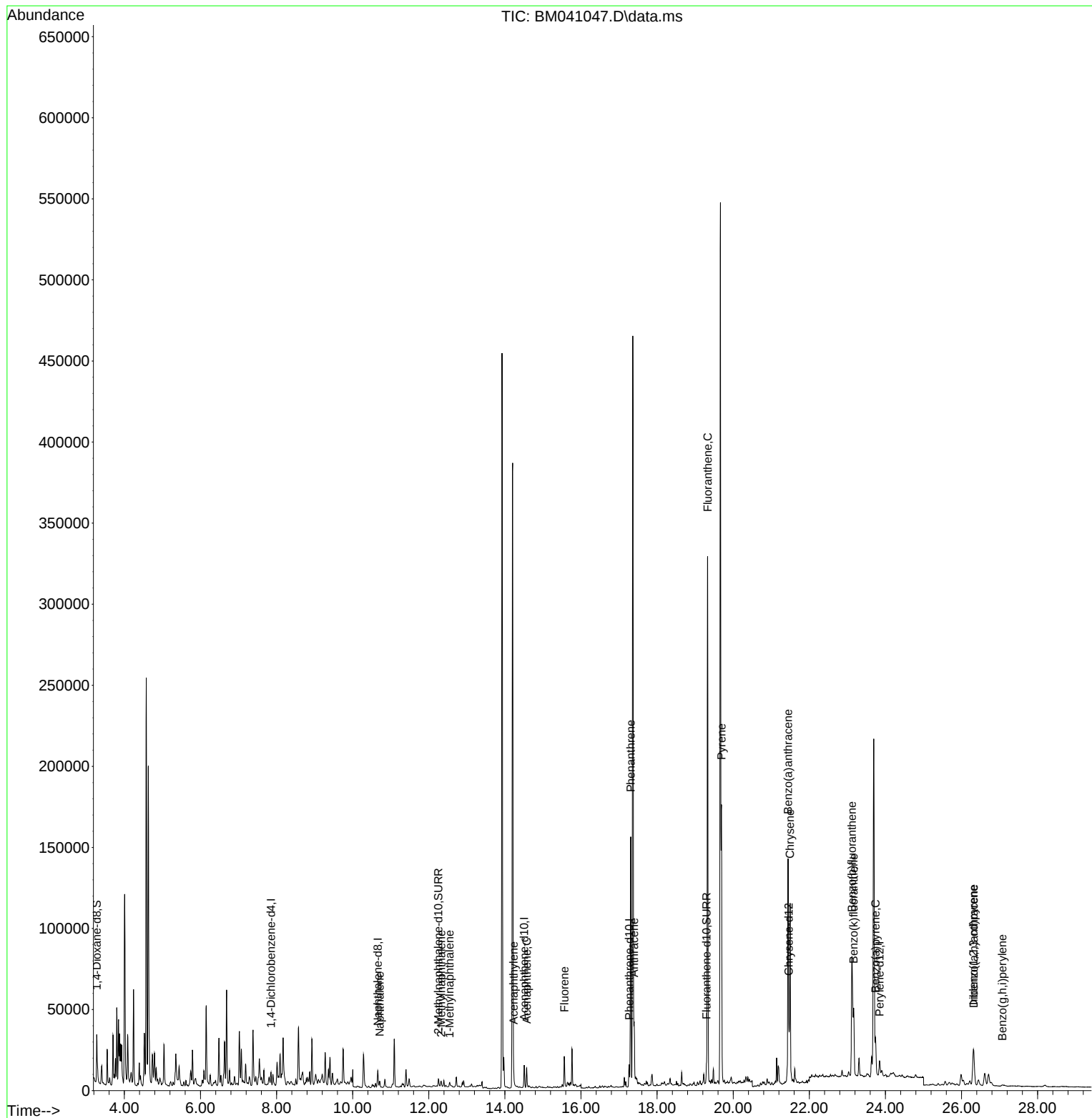
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
Data File : BM041047.D
Acq On : 22 Jul 2023 10:15
Operator : MA/JU
Sample : 03540-06
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ALS Vial : 37 Sample Multiplier: 1

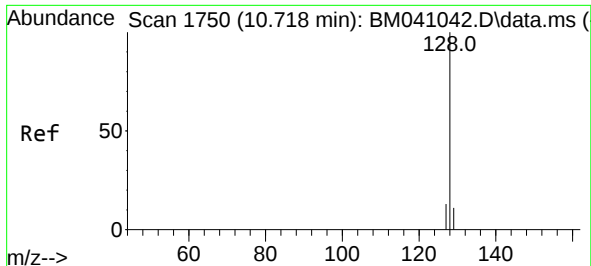
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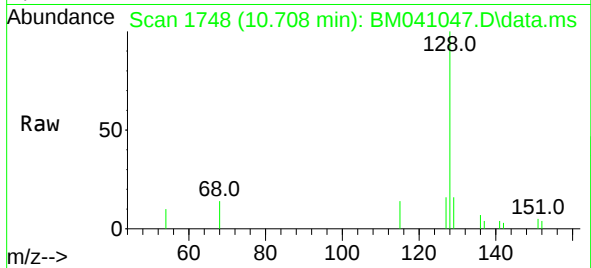
Quant Time: Jul 22 22:35:42 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 22 22:33:48 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.131 ng/ul
RT: 10.708 min Scan# 1748
Delta R.T. -0.011 min
Lab File: BM041047.D
Acq: 22 Jul 2023 10:15

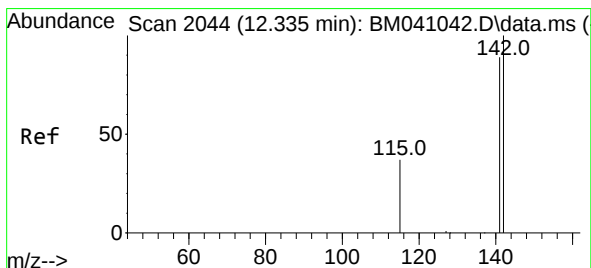
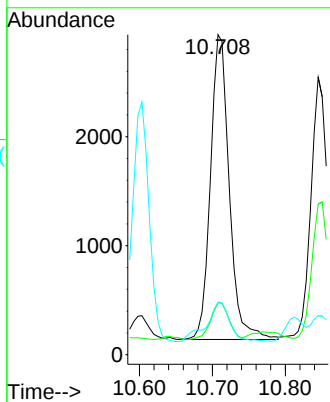
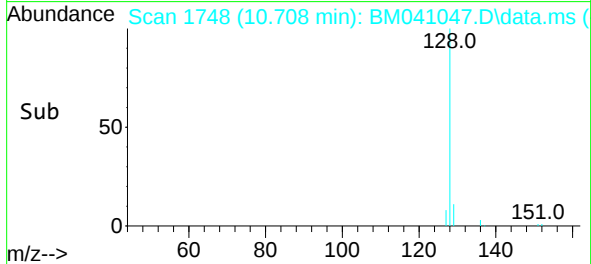
Instrument :
BNA_M
ClientSampleId :
A4738



Tgt Ion:128 Resp: 5019
Ion Ratio Lower Upper
128 100
129 16.2 9.8 14.8
127 16.5 11.0 16.4

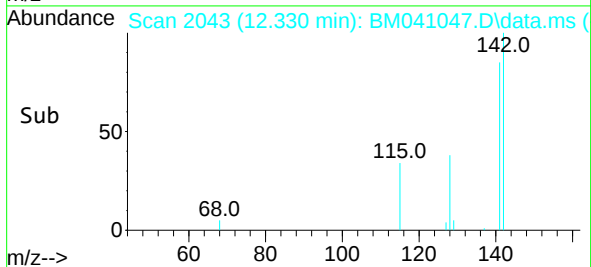
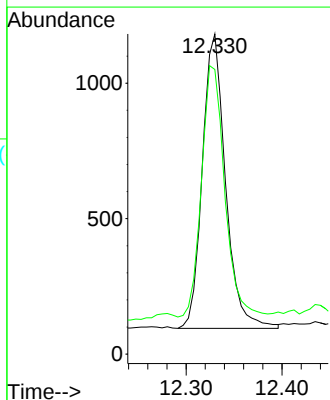
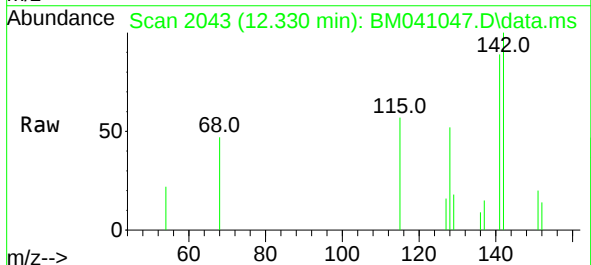
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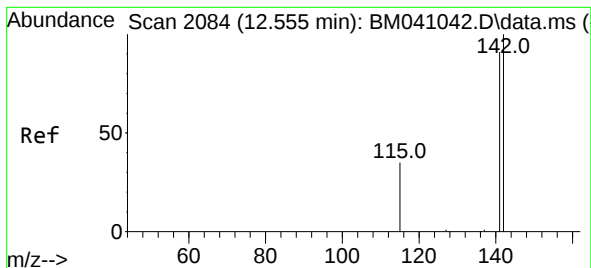
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#7
2-Methylnaphthalene
Concen: 0.087 ng/ul
RT: 12.330 min Scan# 2043
Delta R.T. -0.005 min
Lab File: BM041047.D
Acq: 22 Jul 2023 10:15

Tgt Ion:142 Resp: 1823
Ion Ratio Lower Upper
142 100
141 88.8 73.2 109.8





#8

1-Methylnaphthalene

Concen: 0.084 ng/ul

RT: 12.550 min Scan# 2084

Delta R.T. -0.005 min

Lab File: BM041047.D

Acq: 22 Jul 2023 10:15

Instrument :

BNA_M

ClientSampleId :

A4738

Tgt Ion:142 Resp: 188

Ion Ratio Lower Upper

142 100

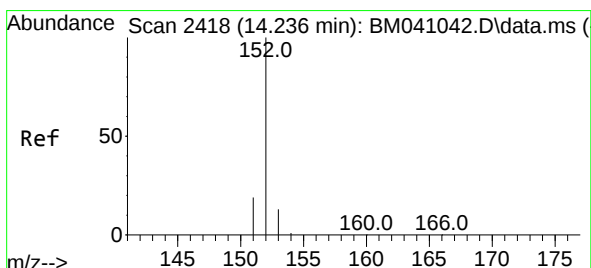
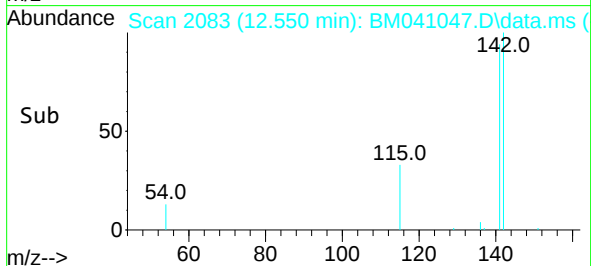
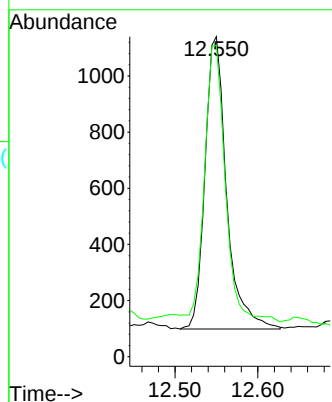
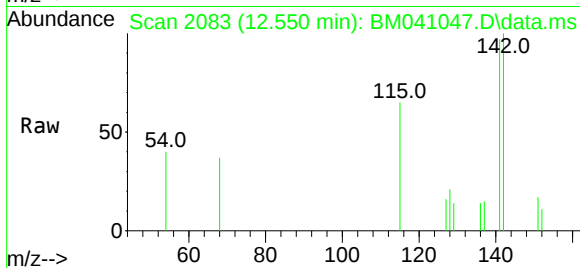
141 91.7 73.4 110.2

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#10

Acenaphthylene

Concen: 0.157 ng/ul

RT: 14.231 min Scan# 2417

Delta R.T. -0.004 min

Lab File: BM041047.D

Acq: 22 Jul 2023 10:15

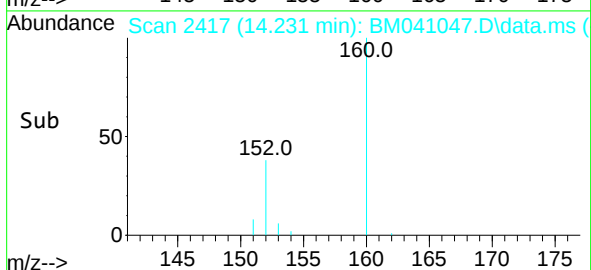
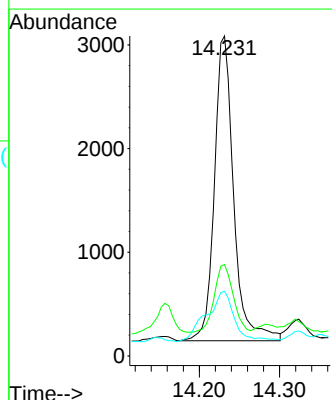
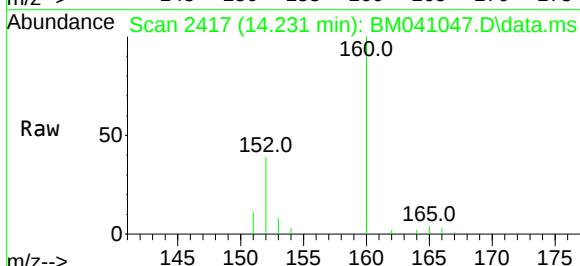
Tgt Ion:152 Resp: 4904

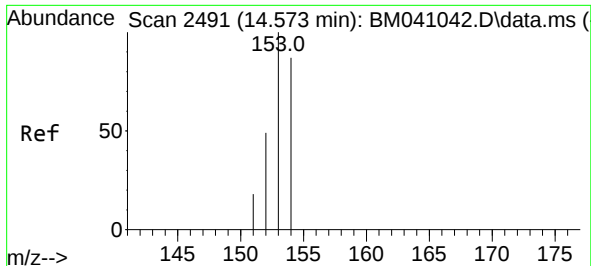
Ion Ratio Lower Upper

152 100

151 28.5 16.8 25.2#

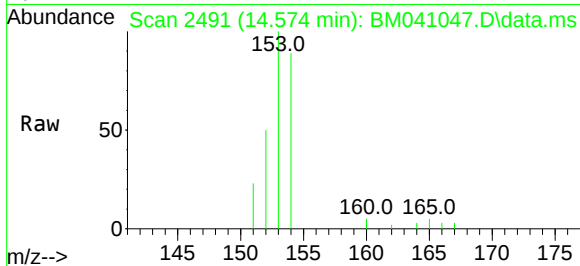
153 20.2 11.6 17.4#





#11
Acenaphthene
Concen: 0.269 ng/ul
RT: 14.574 min Scan# 2491
Delta R.T. 0.000 min
Lab File: BM041047.D
Acq: 22 Jul 2023 10:15

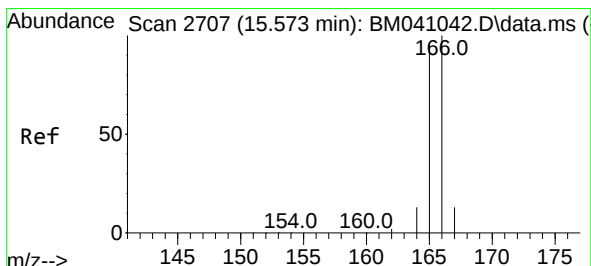
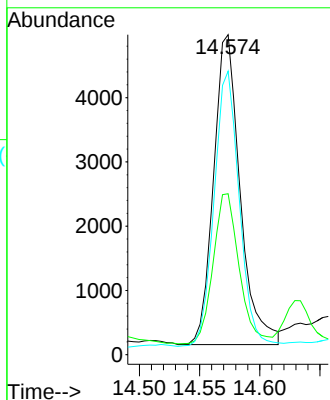
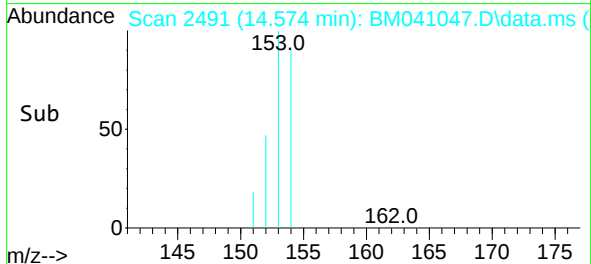
Instrument :
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ClientSampleId :
A4738



Tgt Ion:153 Resp: 740
Ion Ratio Lower Upper
153 100
152 50.3 41.0 61.6
154 88.6 68.2 102.2

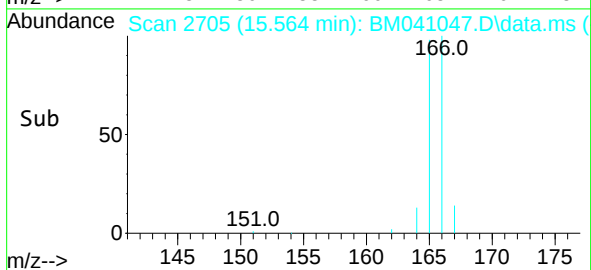
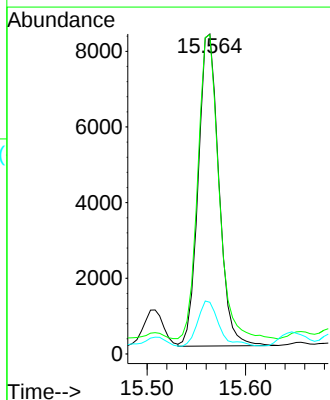
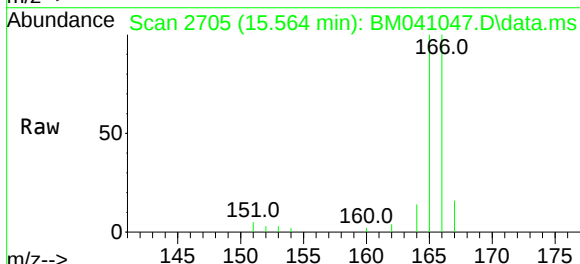
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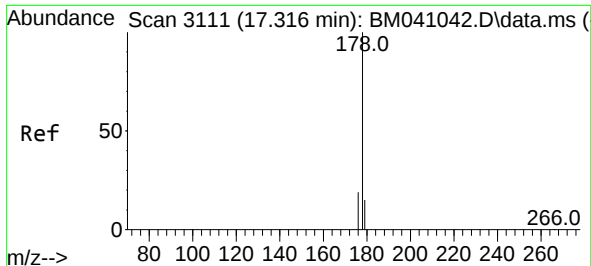
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#12
Fluorene
Concen: 0.421 ng/ul
RT: 15.564 min Scan# 2705
Delta R.T. -0.009 min
Lab File: BM041047.D
Acq: 22 Jul 2023 10:15

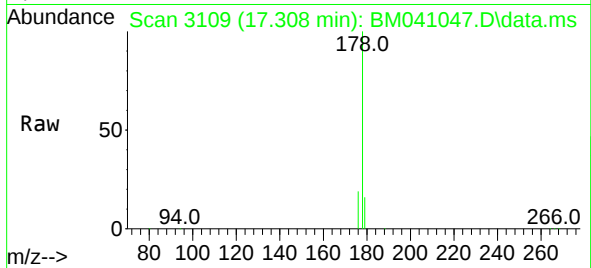
Tgt Ion:166 Resp: 12014
Ion Ratio Lower Upper
166 100
165 99.7 80.3 120.5
167 16.2 11.7 17.5





#15
Phenanthrene
Concen: 3.300 ng/ul
RT: 17.308 min Scan# 3111
Delta R.T. -0.008 min
Lab File: BM041047.D
Acq: 22 Jul 2023 10:15

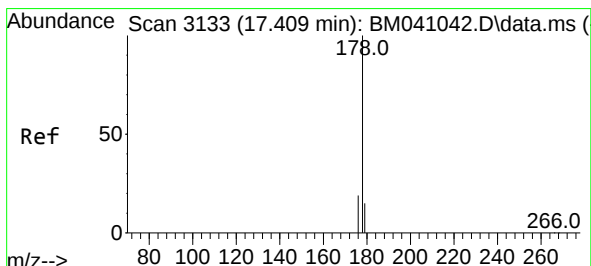
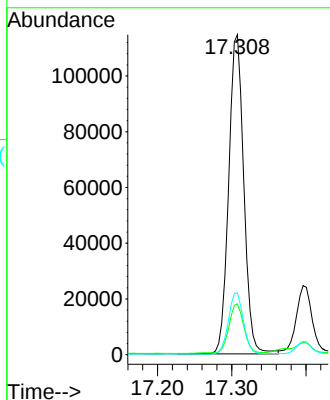
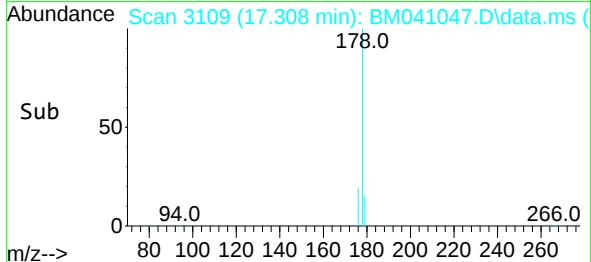
Instrument :
BNA_M
ClientSampleId :
A4738



Tgt Ion:178 Resp: 161874
Ion Ratio Lower Upper
178 100
179 15.8 13.0 19.6
176 19.3 16.2 24.4

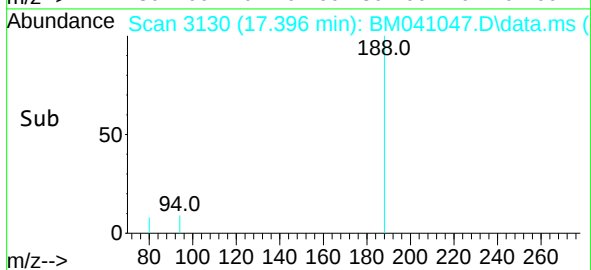
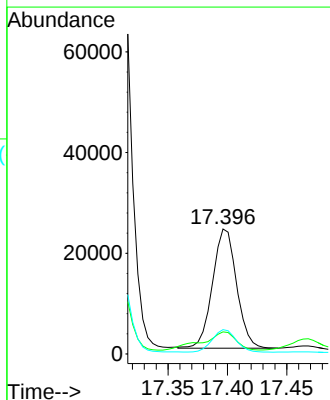
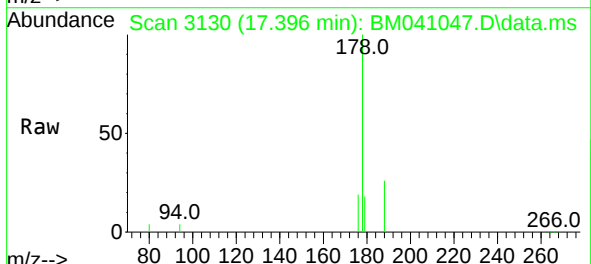
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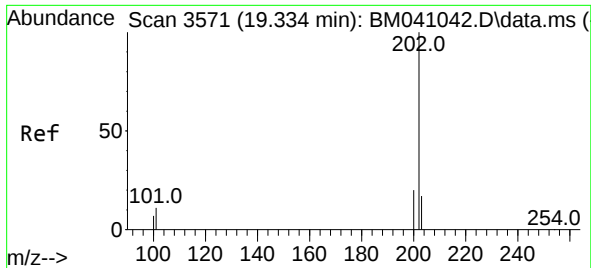
Reviewed By :Yogesh Patel 07/24/2023
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#16
Anthracene
Concen: 0.876 ng/ul
RT: 17.396 min Scan# 3130
Delta R.T. -0.012 min
Lab File: BM041047.D
Acq: 22 Jul 2023 10:15

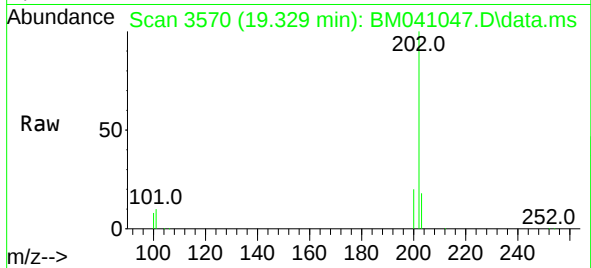
Tgt Ion:178 Resp: 33468
Ion Ratio Lower Upper
178 100
179 17.6 13.7 20.5
176 19.4 16.4 24.6





#19
Fluoranthene
Concen: 4.432 ng/u1
RT: 19.329 min Scan# 3571
Delta R.T. -0.004 min
Lab File: BM041047.D
Acq: 22 Jul 2023 10:15

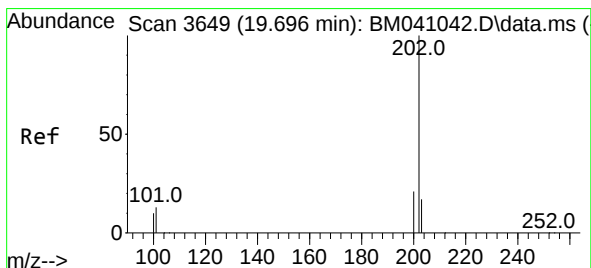
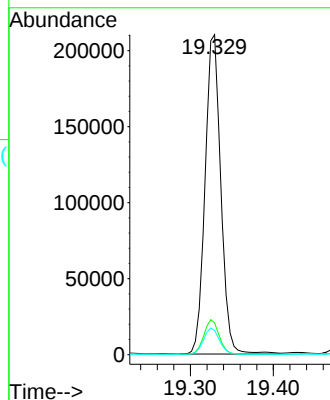
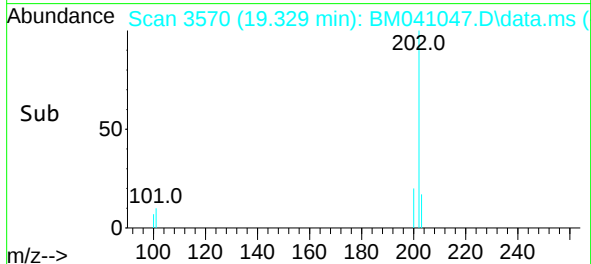
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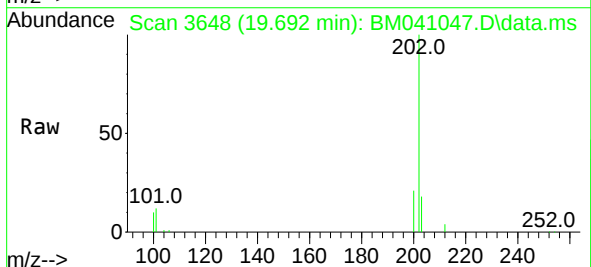
Tgt Ion:202 Resp: 27791
Ion Ratio Lower Upper
202 100
101 9.9 11.0 16.4
100 7.5 8.3 12.5

Manual Integrations
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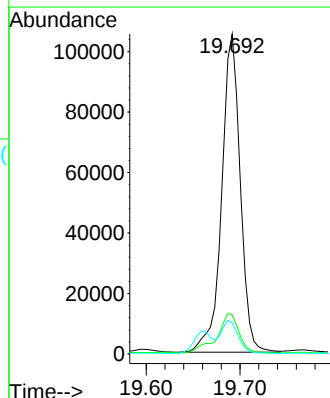
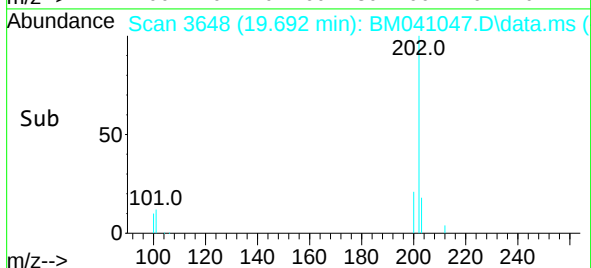
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Supervised By :mohammad ahmed 07/24/2023

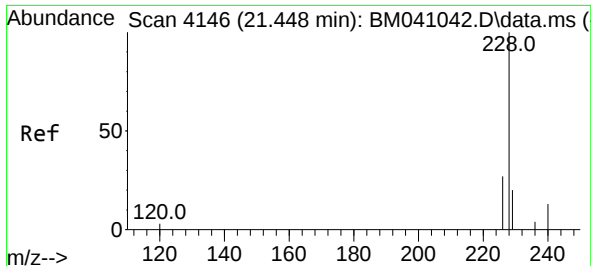


#20
Pyrene
Concen: 2.259 ng/u1
RT: 19.692 min Scan# 3648
Delta R.T. -0.004 min
Lab File: BM041047.D
Acq: 22 Jul 2023 10:15



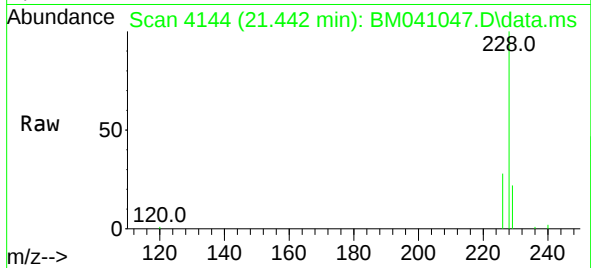
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Ion Ratio Lower Upper
202 100
101 12.2 12.5 18.7#
100 9.6 10.0 15.0#





#21
Benzo(a)anthracene
Concen: 3.173 ng/u1
RT: 21.442 min Scan# 4146
Delta R.T. -0.006 min
Lab File: BM041047.D
Acq: 22 Jul 2023 10:15

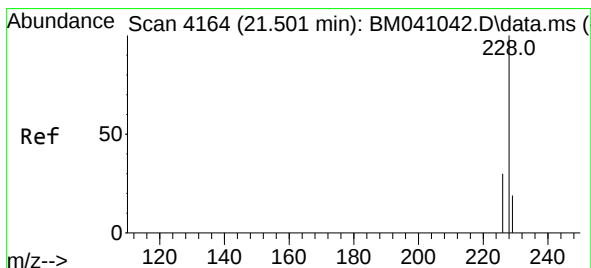
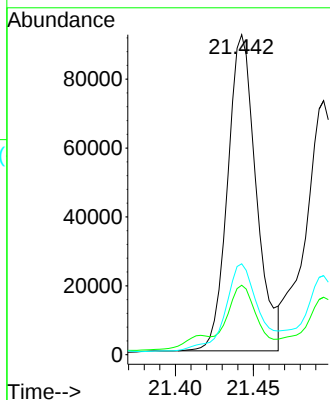
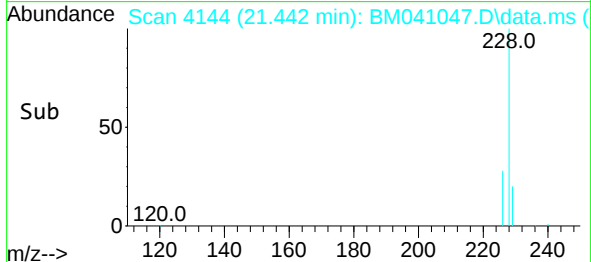
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Tgt Ion:228 Resp: 11739
Ion Ratio Lower Upper
228 100
229 21.7 16.2 24.4
226 28.4 22.3 33.5

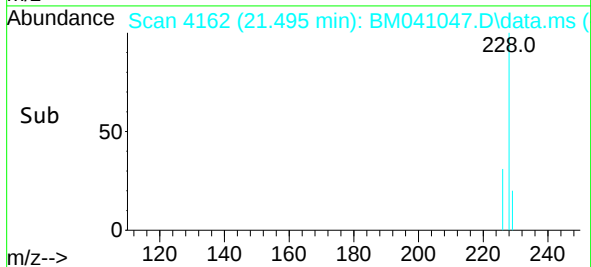
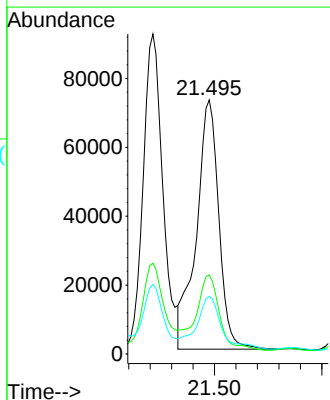
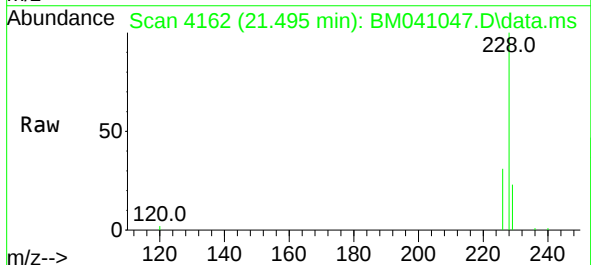
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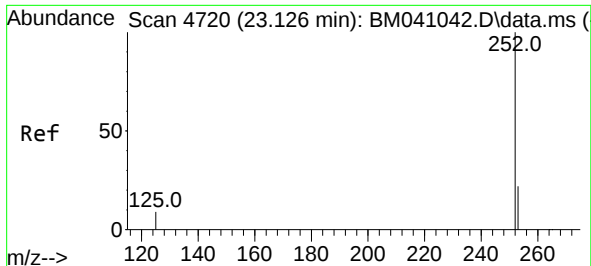
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#22
Chrysene
Concen: 2.490 ng/u1
RT: 21.495 min Scan# 4162
Delta R.T. -0.006 min
Lab File: BM041047.D
Acq: 22 Jul 2023 10:15

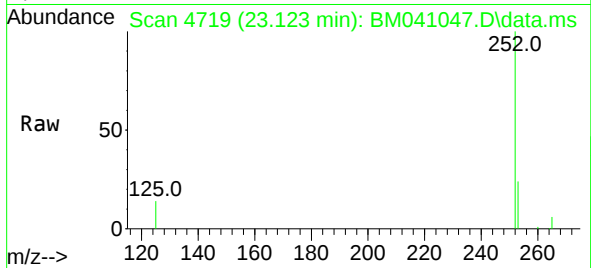
Tgt Ion:228 Resp: 105334
Ion Ratio Lower Upper
228 100
226 31.1 24.6 37.0
229 22.6 16.1 24.1





#24
Benzo(b)fluoranthene
Concen: 2.588 ng/ul
RT: 23.123 min Scan# 4719
Delta R.T. -0.003 min
Lab File: BM041047.D
Acq: 22 Jul 2023 10:15

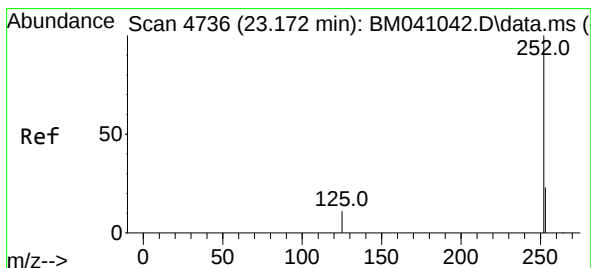
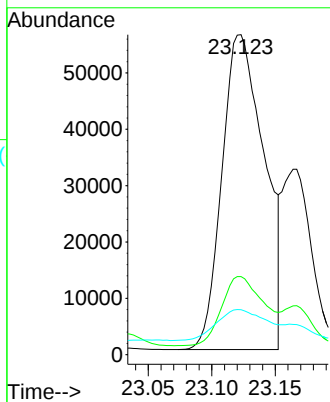
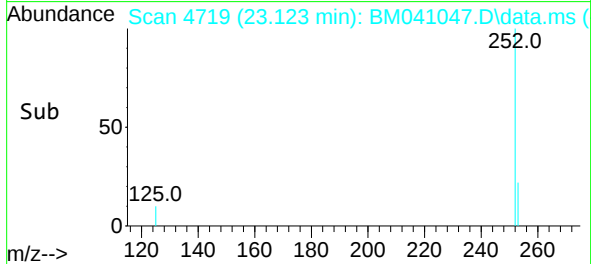
Instrument :
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A4738



Tgt Ion:252 Resp: 129794
Ion Ratio Lower Upper
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253 24.4 0.0 57.4
125 14.1 0.0 45.2

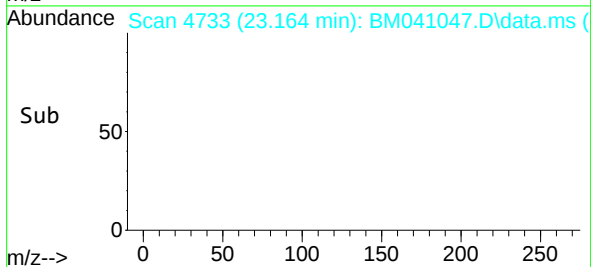
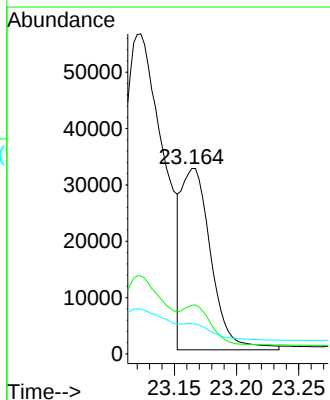
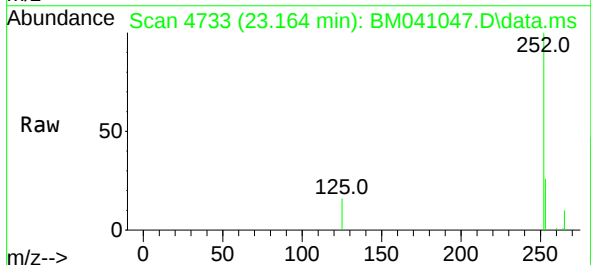
Manual Integrations
APPROVED

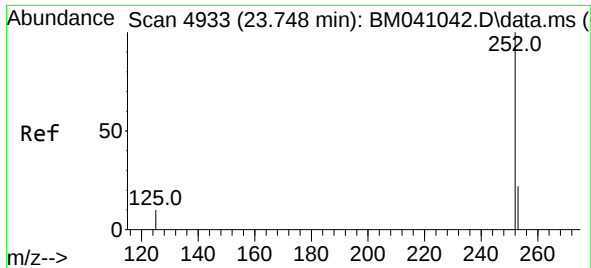
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#25
Benzo(k)fluoranthene
Concen: 1.123 ng/ul m
RT: 23.164 min Scan# 4733
Delta R.T. -0.009 min
Lab File: BM041047.D
Acq: 22 Jul 2023 10:15

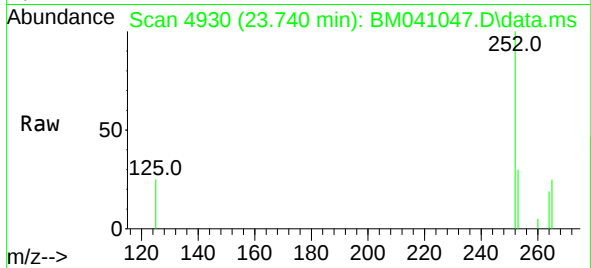
Tgt Ion:252 Resp: 53534
Ion Ratio Lower Upper
252 100
253 26.3 23.3 34.9
125 16.3 18.2 27.2#





#26
Benzo(a)pyrene
Concen: 0.702 ng/ul
RT: 23.740 min Scan# 4933
Delta R.T. -0.009 min
Lab File: BM041047.D
Acq: 22 Jul 2023 10:15

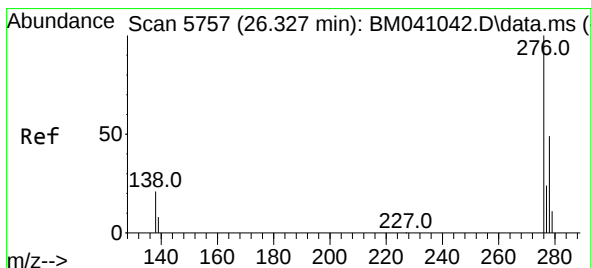
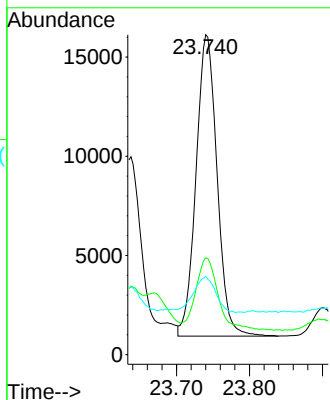
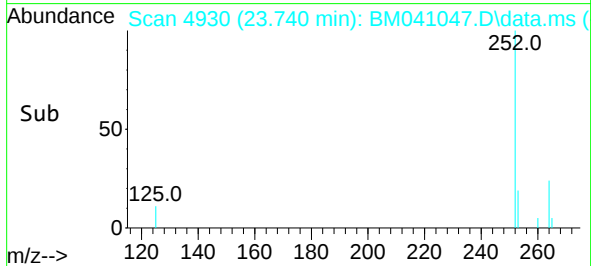
Instrument :
BNA_M
ClientSampleId :
A4738



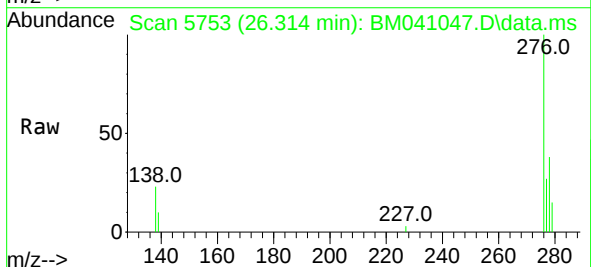
Tgt Ion:252 Resp: 3042
Ion Ratio Lower Upper
252 100
253 30.2 28.2 42.2
125 24.5 25.2 37.8

Manual Integrations
APPROVED

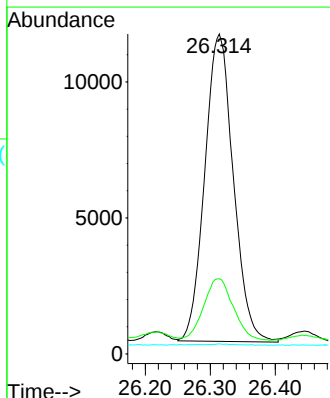
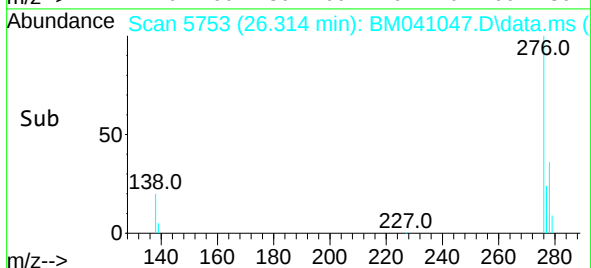
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

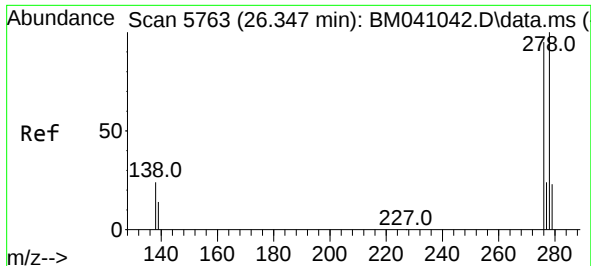


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.601 ng/ul
RT: 26.314 min Scan# 5753
Delta R.T. -0.013 min
Lab File: BM041047.D
Acq: 22 Jul 2023 10:15



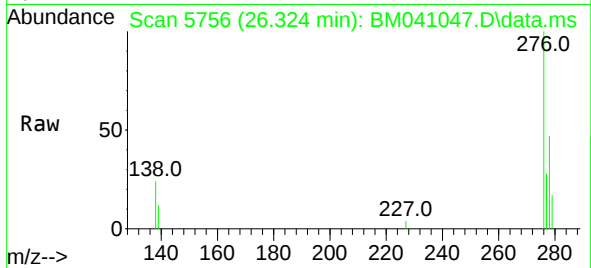
Tgt Ion:276 Resp: 34544
Ion Ratio Lower Upper
276 100
138 20.6 22.3 33.5#
227 0.3 0.0 0.0#





#28
Dibenzo(a,h)anthracene
Concen: 0.365 ng/ul
RT: 26.324 min Scan# 51
Delta R.T. -0.023 min
Lab File: BM041047.D
Acq: 22 Jul 2023 10:15

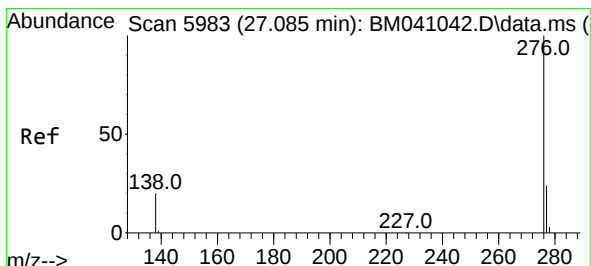
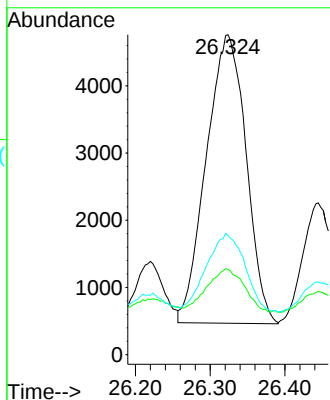
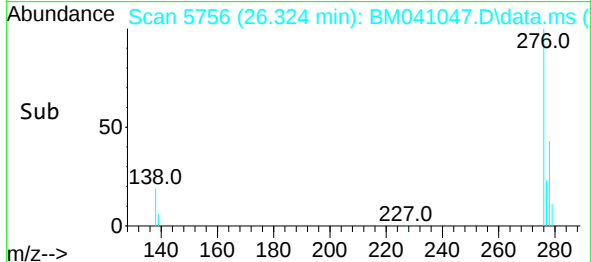
Instrument :
BNA_M
ClientSampleId :
A4738



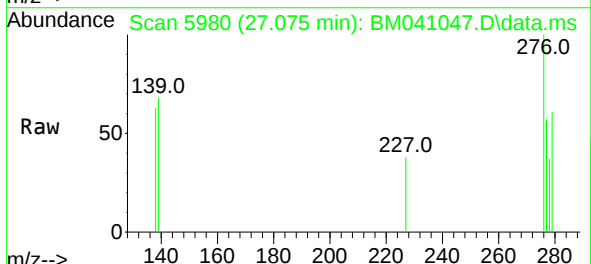
Tgt Ion:278 Resp: 15879
Ion Ratio Lower Upper
278 100
139 26.7 19.2 28.8
279 37.4 27.0 40.6

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



#29
Benzo(g,h,i)perylene
Concen: 0.043 ng/ul
RT: 27.075 min Scan# 5980
Delta R.T. -0.010 min
Lab File: BM041047.D
Acq: 22 Jul 2023 10:15



Tgt Ion:276 Resp: 2269
Ion Ratio Lower Upper
276 100
138 63.0 22.6 34.0#
277 57.1 21.2 31.8#

