

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041098.D
 Acq On : 25 Jul 2023 10:13
 Operator : MA/JU
 Sample : 03534-09
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4721

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/26/2023
 Supervised By :mohammad ahmed 07/27/2023

Quant Time: Jul 26 04:21:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 26 04:20:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.824	152	4132	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.631	136	13930	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.486	164	7175	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.244	188	17229	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.445	240	12958	0.400	ng/ul	# 0.00
23) Perylene-d12	23.828	264	16408	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.246	96	20797	3.263	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.231	152	4670	0.235	ng/ul	0.00
18) Fluoranthene-d10	19.283	212	9857	0.279	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.680	128	8711	0.192	ng/ul	100
7) 2-Methylnaphthalene	12.303	142	3114	0.140	ng/ul	96
8) 1-Methylnaphthalene	12.523	142	2332	0.102	ng/ul	98
10) Acenaphthylene	14.208	152	8173	0.270	ng/ul	97
11) Acenaphthene	14.551	153	6215	0.243	ng/ul	99
12) Fluorene	15.541	166	8331	0.298	ng/ul	98
15) Phenanthrene	17.287	178	133753	2.518	ng/ul	98
16) Anthracene	17.379	178	23126	0.538	ng/ul	98
19) Fluoranthene	19.311	202	241035	5.190	ng/ul	97
20) Pyrene	19.673	202	203314	3.970	ng/ul	99
21) Benzo(a)anthracene	21.428	228	100260	2.314	ng/ul	98
22) Chrysene	21.481	228	106691	2.132	ng/ul	97
24) Benzo(b)fluoranthene	23.103	252	153175	2.343	ng/ul	93
25) Benzo(k)fluoranthene	23.146	252	48599m	0.779	ng/ul	
26) Benzo(a)pyrene	23.719	252	105674	1.995	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	26.280	276	90699	1.157	ng/ul#	93
28) Dibenzo(a,h)anthracene	26.287	278	21051	0.342	ng/ul#	88
29) Benzo(g,h,i)perylene	27.038	276	85582	1.221	ng/ul	98

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

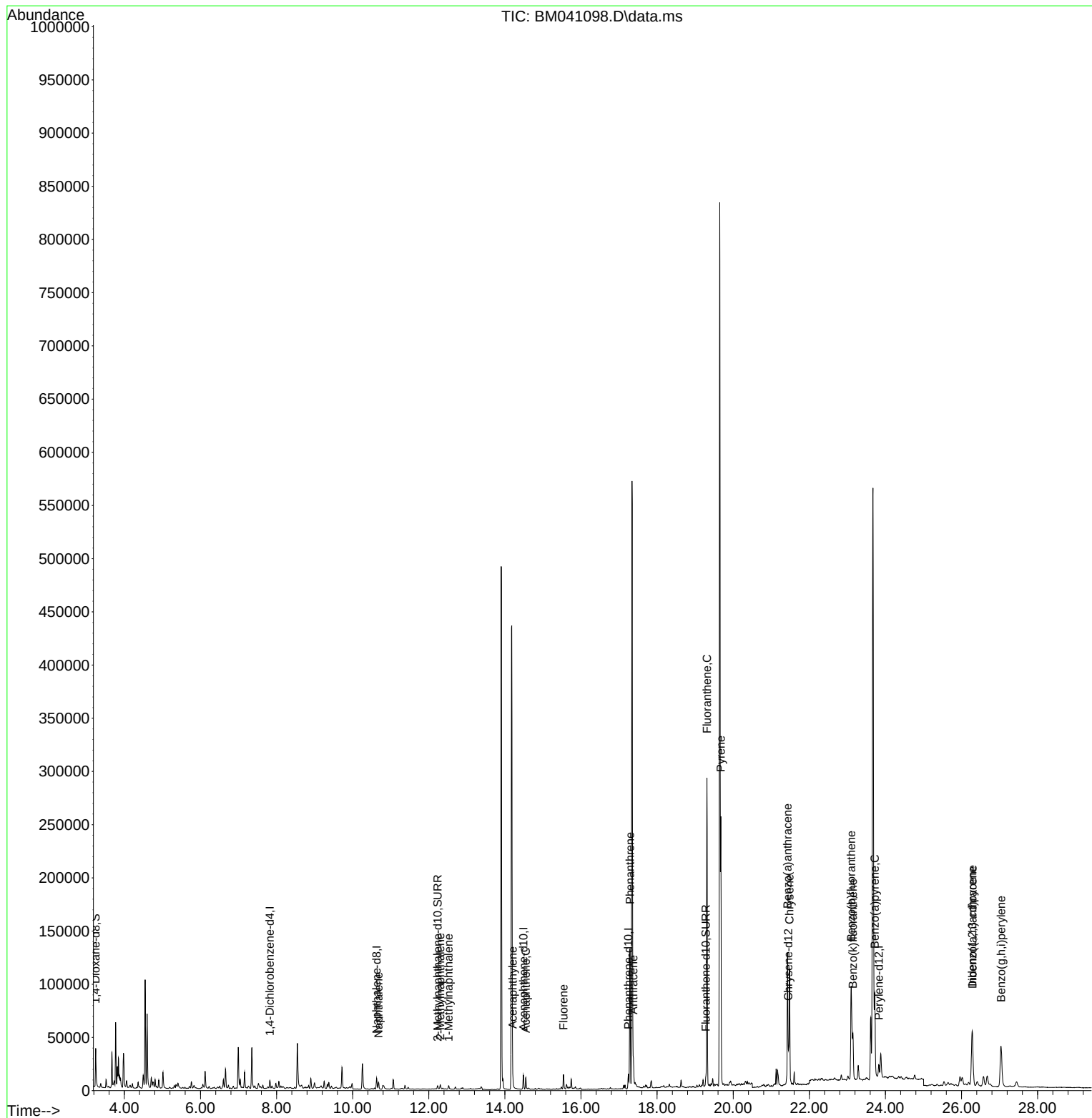
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
Data File : BM041098.D
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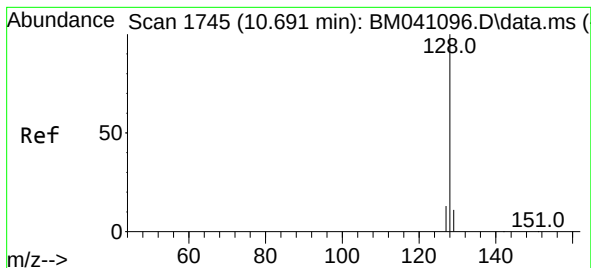
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#5

Naphthalene

Concen: 0.192 ng/ul

RT: 10.680 min Scan# 1745

Delta R.T. -0.011 min

Lab File: BM041098.D

Acq: 25 Jul 2023 10:13

Instrument :

BNA_M

ClientSampleId :

A4721

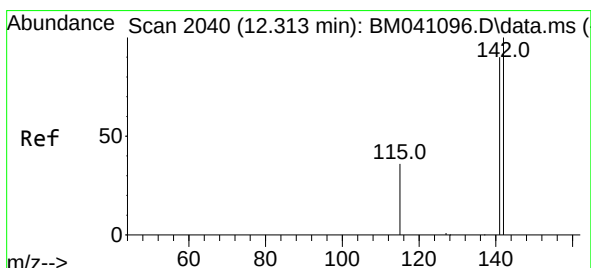
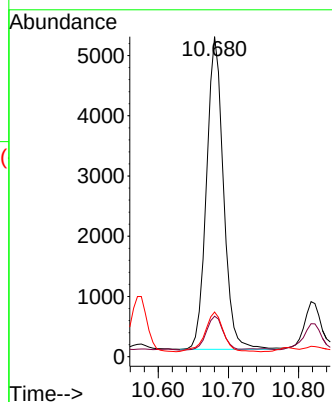
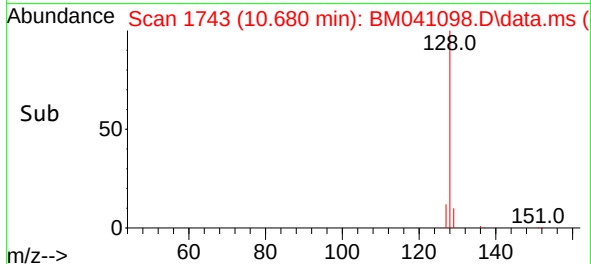
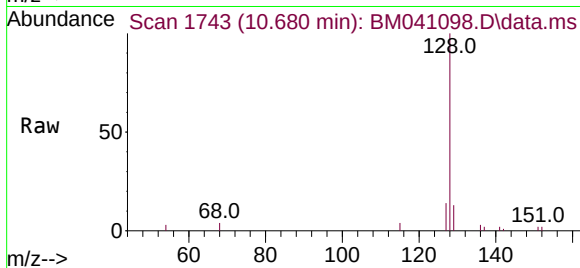
Tgt Ion:128	Resp:	871
Ion Ratio	Lower	Upper
128	100	
129	12.6	9.8 14.8
127	13.9	11.1 16.7

Manual Integrations

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#7

2-Methylnaphthalene

Concen: 0.140 ng/ul

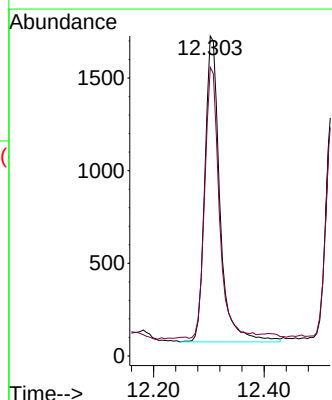
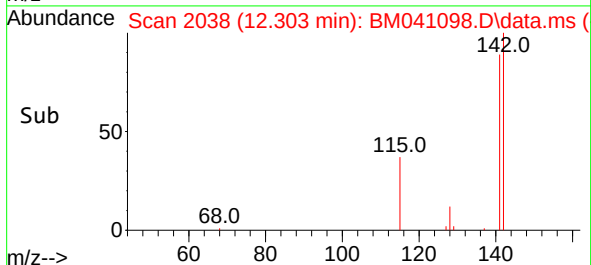
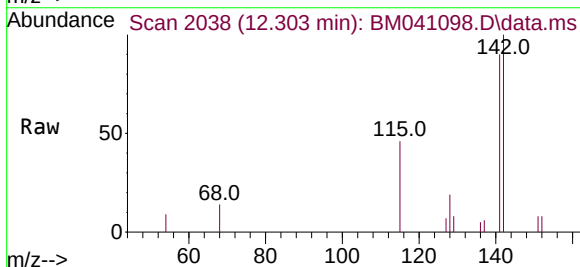
RT: 12.303 min Scan# 2038

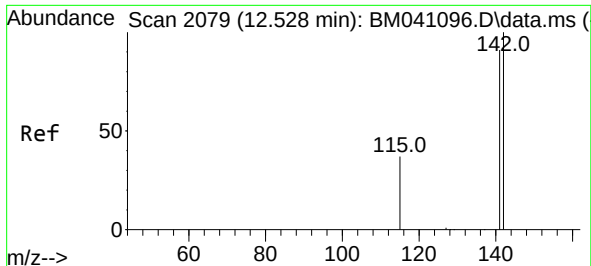
Delta R.T. -0.011 min

Lab File: BM041098.D

Acq: 25 Jul 2023 10:13

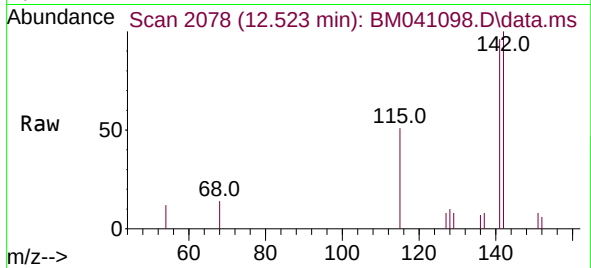
Tgt Ion:142	Resp:	3114
Ion Ratio	Lower	Upper
142	100	
141	87.8	73.3 109.9





#8
1-Methylnaphthalene
Concen: 0.102 ng/ul
RT: 12.523 min Scan# 2079
Delta R.T. -0.005 min
Lab File: BM041098.D
Acq: 25 Jul 2023 10:13

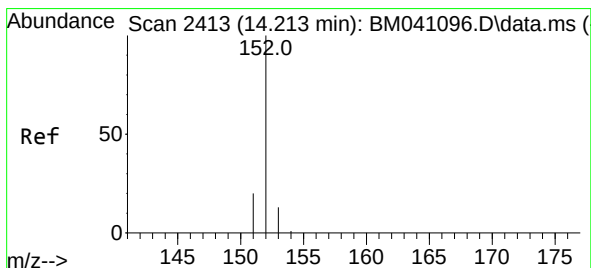
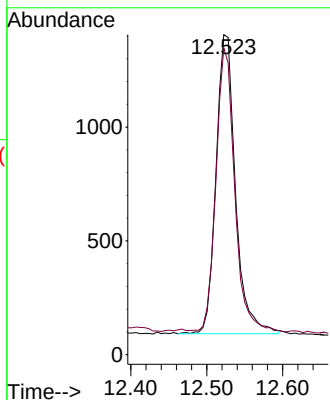
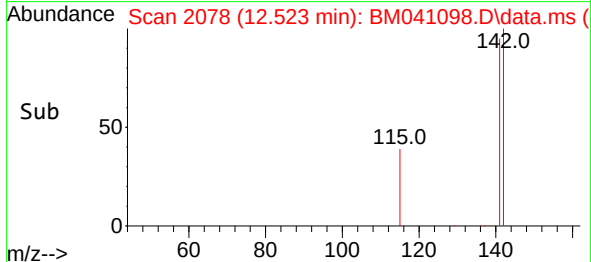
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Tgt Ion:142 Resp: 233
Ion Ratio Lower Upper
142 100
141 89.6 73.6 110.4

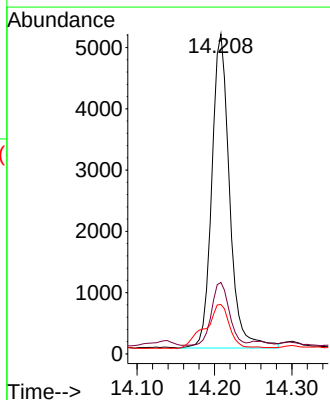
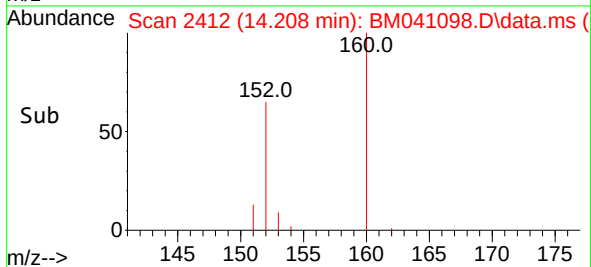
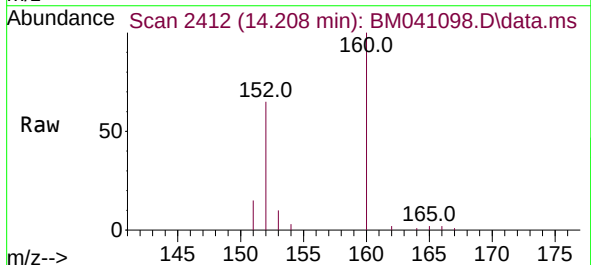
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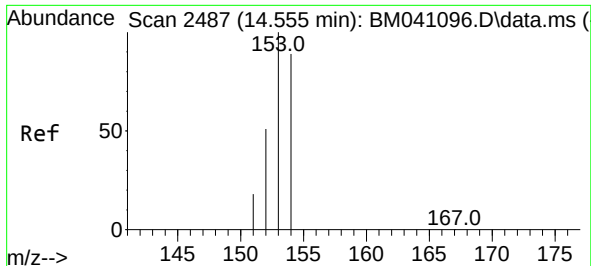
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#10
Acenaphthylene
Concen: 0.270 ng/ul
RT: 14.208 min Scan# 2412
Delta R.T. -0.005 min
Lab File: BM041098.D
Acq: 25 Jul 2023 10:13

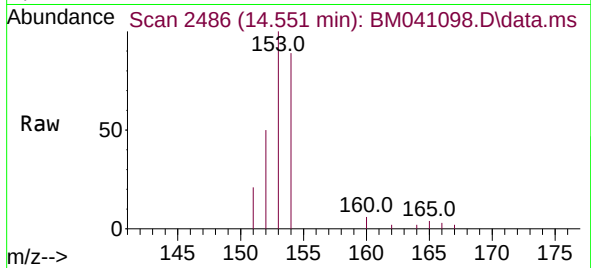
Tgt Ion:152 Resp: 8173
Ion Ratio Lower Upper
152 100
151 22.4 16.8 25.2
153 15.4 11.4 17.2





#11
Acenaphthene
Concen: 0.243 ng/ul
RT: 14.551 min Scan# 2487
Delta R.T. -0.005 min
Lab File: BM041098.D
Acq: 25 Jul 2023 10:13

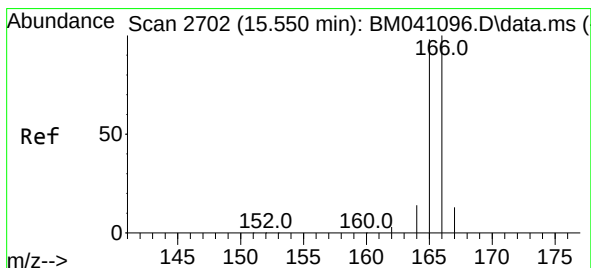
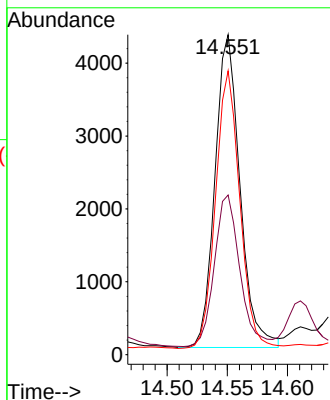
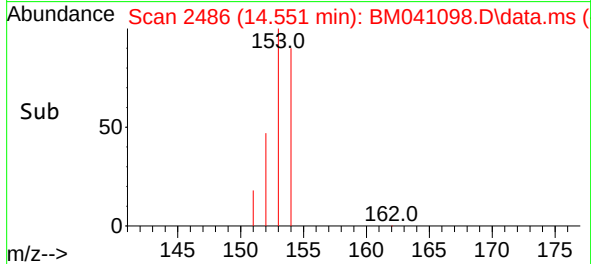
Instrument :
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Tgt Ion:153 Resp: 6215
Ion Ratio Lower Upper
153 100
152 49.9 40.2 60.4
154 88.7 70.3 105.5

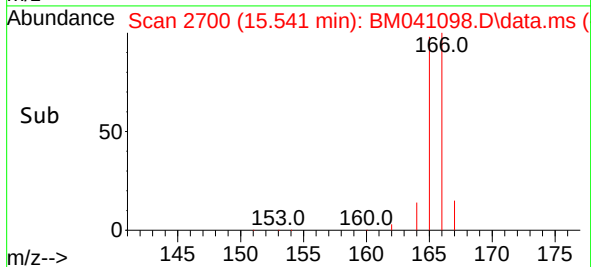
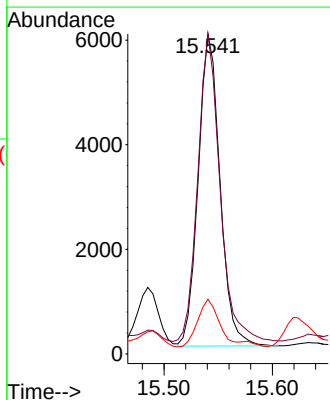
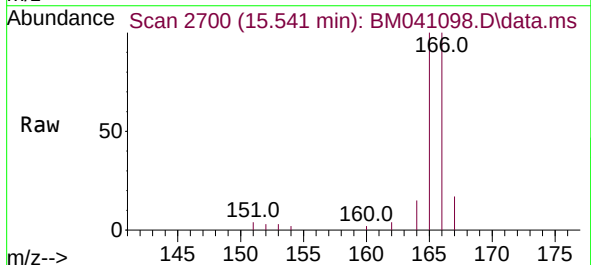
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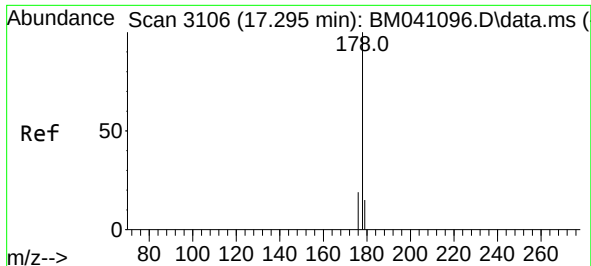
Reviewed By :Yogesh Patel 07/26/2023
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#12
Fluorene
Concen: 0.298 ng/ul
RT: 15.541 min Scan# 2700
Delta R.T. -0.009 min
Lab File: BM041098.D
Acq: 25 Jul 2023 10:13

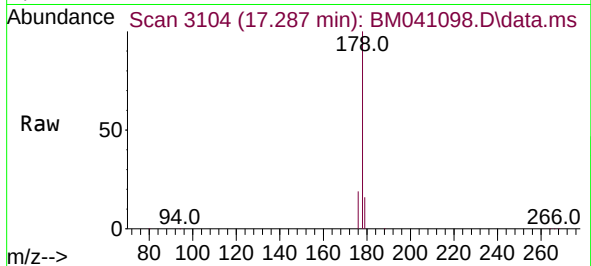
Tgt Ion:166 Resp: 8331
Ion Ratio Lower Upper
166 100
165 100.0 79.4 119.0
167 17.1 11.4 17.2





#15
Phenanthrene
Concen: 2.518 ng/u1
RT: 17.287 min Scan# 3106
Delta R.T. -0.008 min
Lab File: BM041098.D
Acq: 25 Jul 2023 10:13

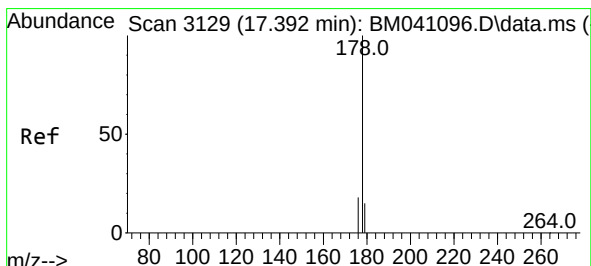
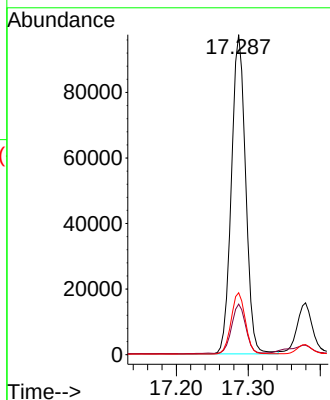
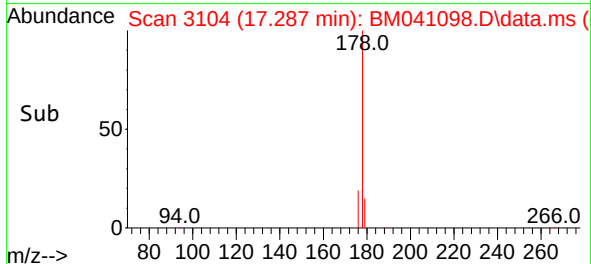
Instrument :
BNA_M
ClientSampleId :
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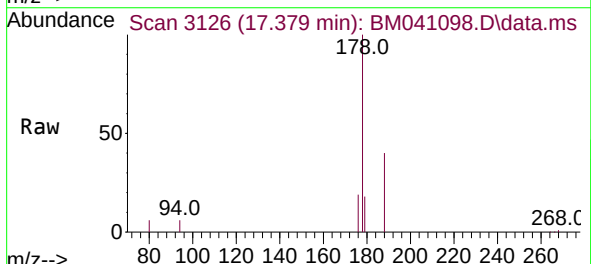
Tgt Ion:178 Resp: 13375
Ion Ratio Lower Upper
178 100
179 15.8 13.4 20.2
176 19.4 16.0 24.0

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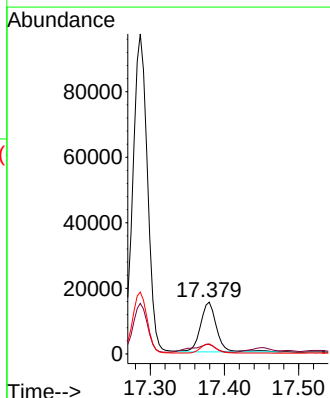
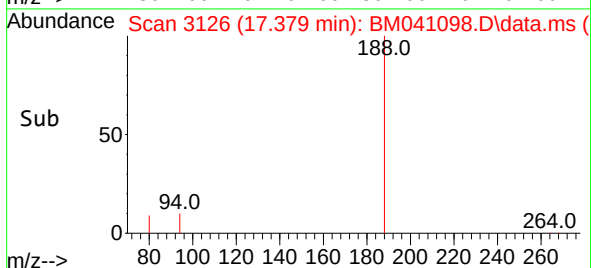
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023

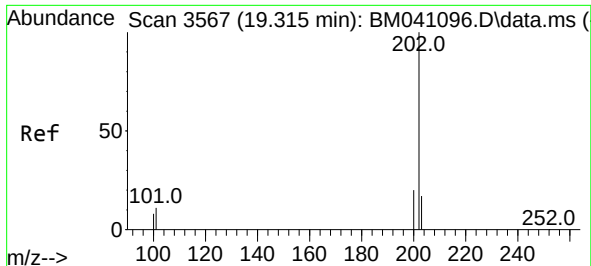


#16
Anthracene
Concen: 0.538 ng/u1
RT: 17.379 min Scan# 3126
Delta R.T. -0.013 min
Lab File: BM041098.D
Acq: 25 Jul 2023 10:13



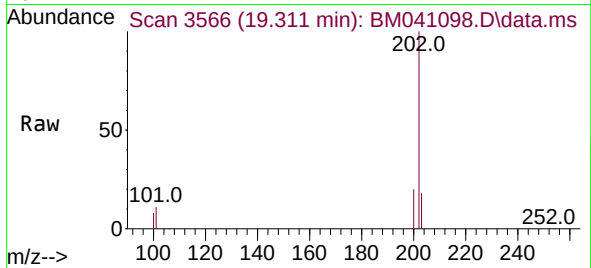
Tgt Ion:178 Resp: 23126
Ion Ratio Lower Upper
178 100
179 18.3 13.6 20.4
176 19.5 16.0 24.0





#19
Fluoranthene
Concen: 5.190 ng/u1
RT: 19.311 min Scan# 3566
Delta R.T. -0.005 min
Lab File: BM041098.D
Acq: 25 Jul 2023 10:13

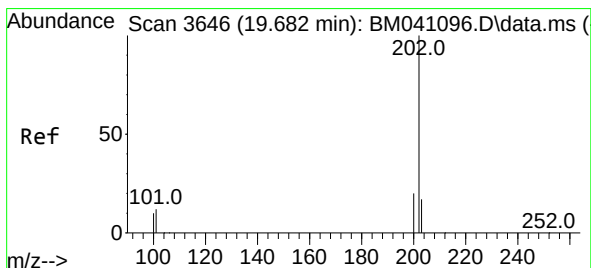
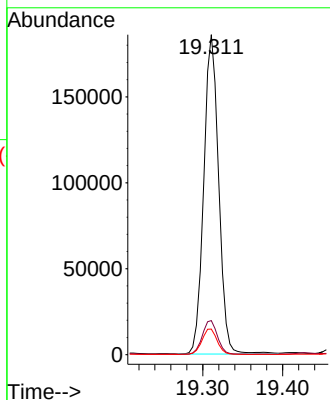
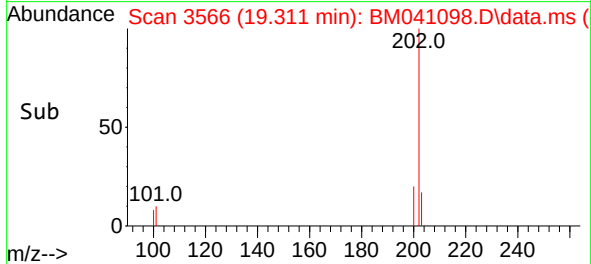
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A4721



Tgt Ion:202 Resp: 241035
Ion Ratio Lower Upper
202 100
101 10.6 9.4 14.0
100 8.0 7.1 10.7

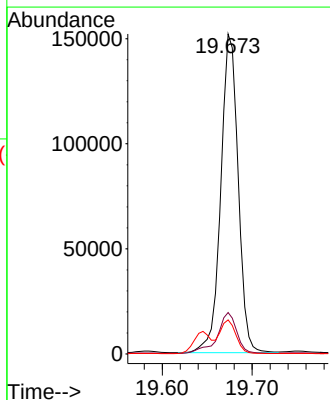
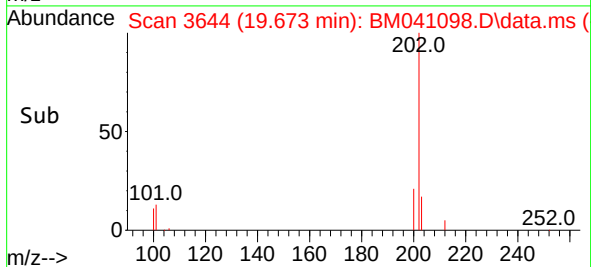
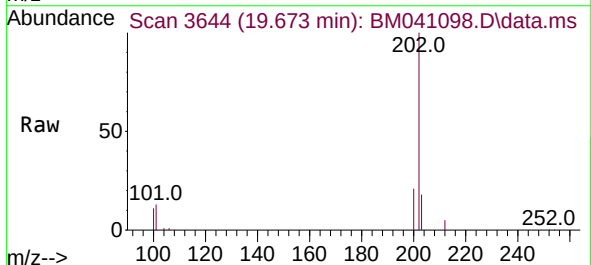
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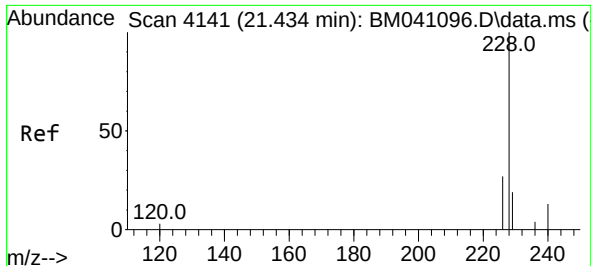
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#20
Pyrene
Concen: 3.970 ng/u1
RT: 19.673 min Scan# 3644
Delta R.T. -0.009 min
Lab File: BM041098.D
Acq: 25 Jul 2023 10:13

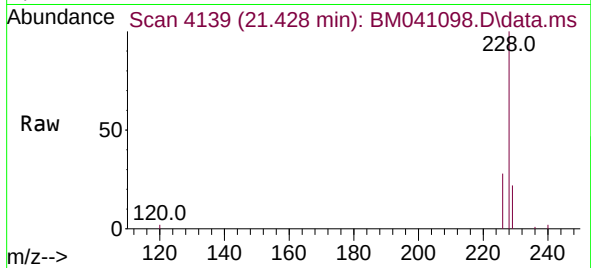
Tgt Ion:202 Resp: 203314
Ion Ratio Lower Upper
202 100
101 13.0 10.7 16.1
100 10.7 8.5 12.7





#21
Benzo(a)anthracene
Concen: 2.314 ng/ul
RT: 21.428 min Scan# 4119
Delta R.T. -0.006 min
Lab File: BM041098.D
Acq: 25 Jul 2023 10:13

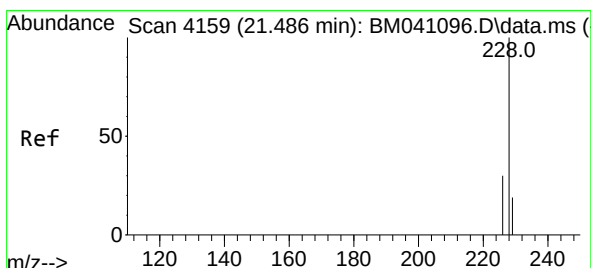
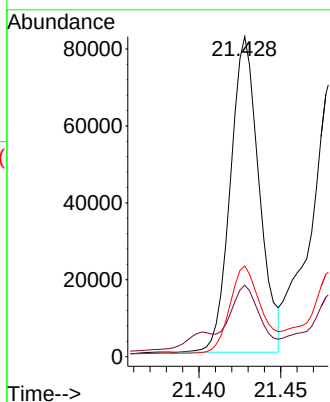
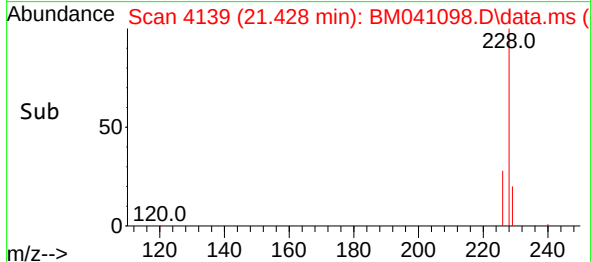
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Tgt Ion:228 Resp: 100260
Ion Ratio Lower Upper
228 100
229 22.3 16.5 24.7
226 28.3 22.2 33.2

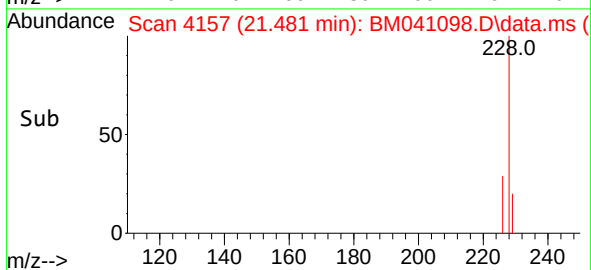
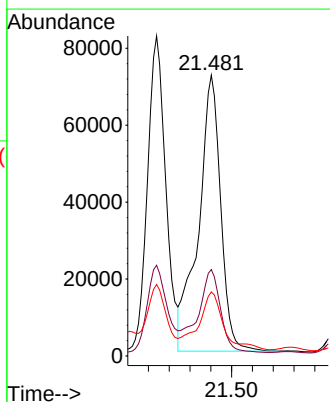
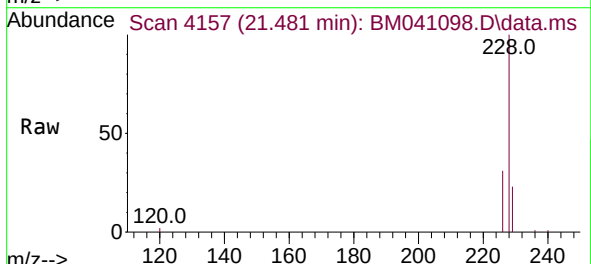
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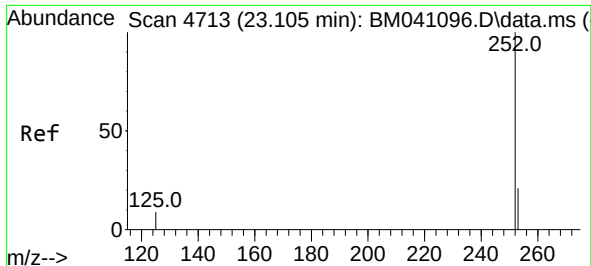
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#22
Chrysene
Concen: 2.132 ng/ul
RT: 21.481 min Scan# 4157
Delta R.T. -0.006 min
Lab File: BM041098.D
Acq: 25 Jul 2023 10:13

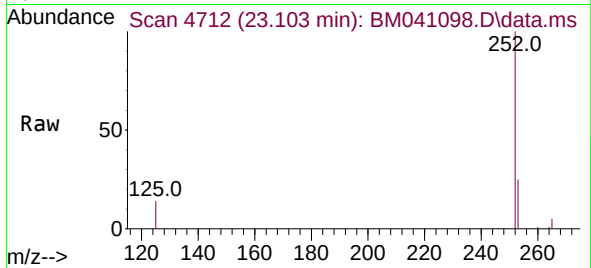
Tgt Ion:228 Resp: 106691
Ion Ratio Lower Upper
228 100
226 30.8 24.2 36.4
229 22.8 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 2.343 ng/ul
RT: 23.103 min Scan# 4712
Delta R.T. -0.003 min
Lab File: BM041098.D
Acq: 25 Jul 2023 10:13

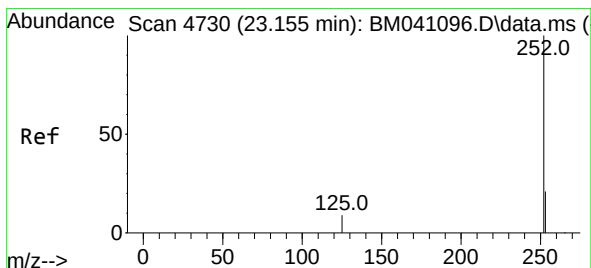
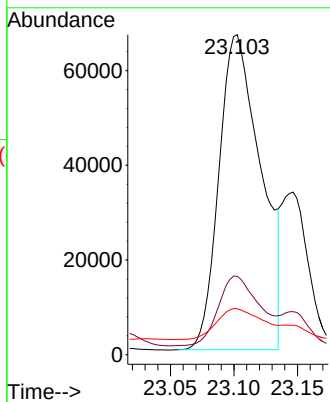
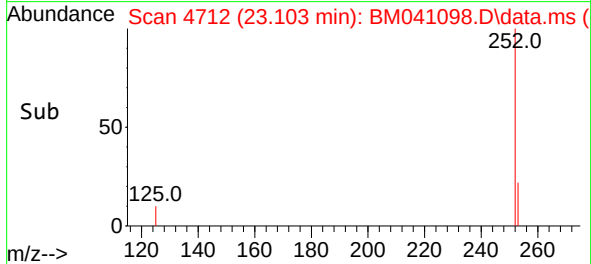
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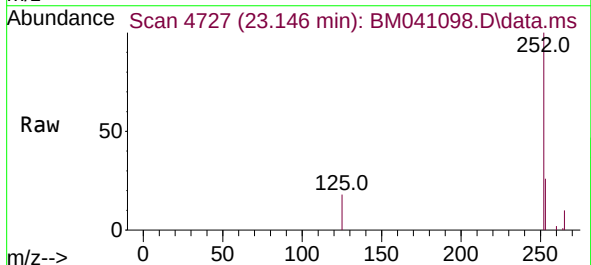
Tgt Ion:252 Resp: 15317
Ion Ratio Lower Upper
252 100
253 24.5 0.0 57.6
125 14.3 0.0 33.6

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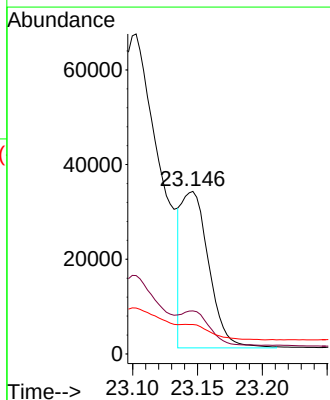
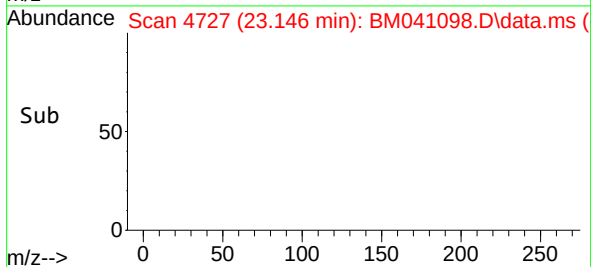
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023

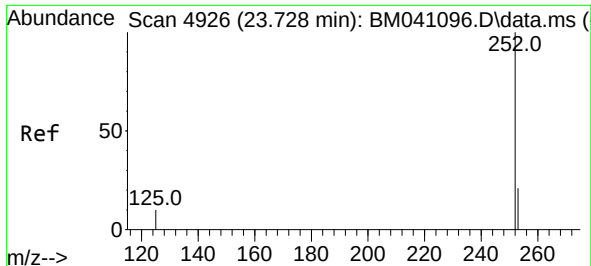


#25
Benzo(k)fluoranthene
Concen: 0.779 ng/ul m
RT: 23.146 min Scan# 4727
Delta R.T. -0.009 min
Lab File: BM041098.D
Acq: 25 Jul 2023 10:13



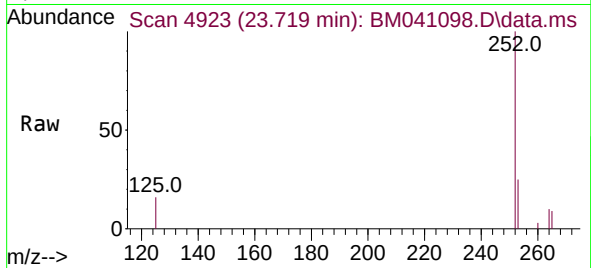
Tgt Ion:252 Resp: 48599
Ion Ratio Lower Upper
252 100
253 26.5 22.8 34.2
125 18.2 13.5 20.3





#26
Benzo(a)pyrene
Concen: 1.995 ng/ul
RT: 23.719 min Scan# 4923
Delta R.T. -0.009 min
Lab File: BM041098.D
Acq: 25 Jul 2023 10:13

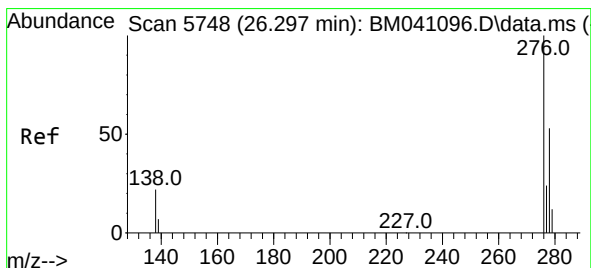
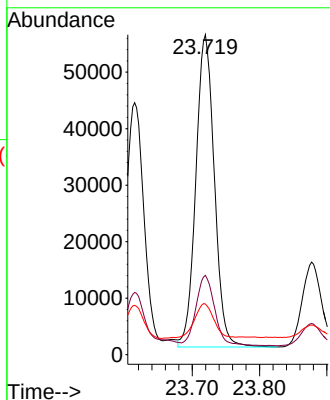
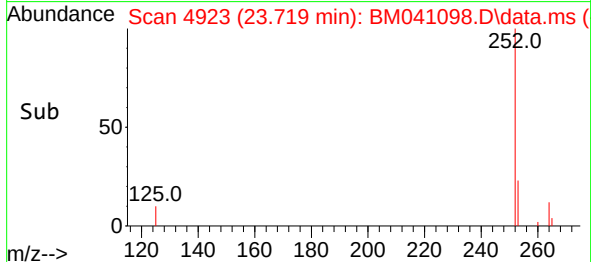
Instrument :
BNA_M
ClientSampleId :
A4721



Tgt Ion:252 Resp: 105674
Ion Ratio Lower Upper
252 100
253 24.8 26.7 40.1
125 15.9 18.1 27.1

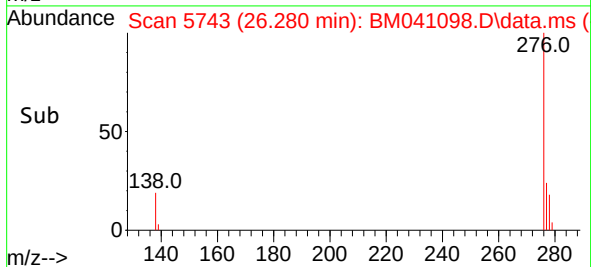
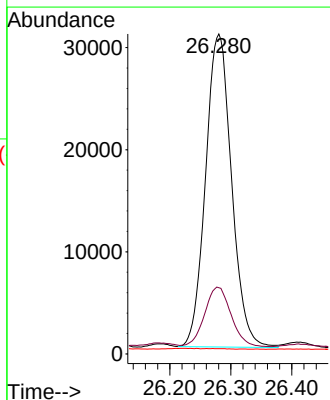
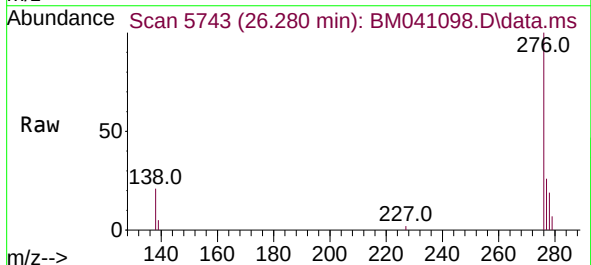
Manual Integrations
APPROVED

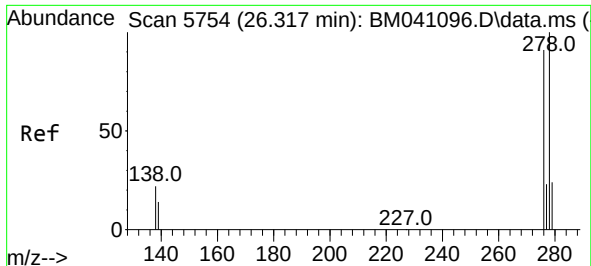
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.157 ng/ul
RT: 26.280 min Scan# 5743
Delta R.T. -0.017 min
Lab File: BM041098.D
Acq: 25 Jul 2023 10:13

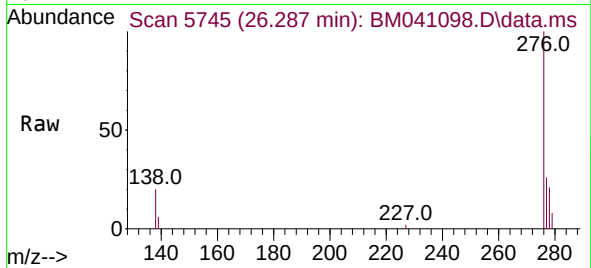
Tgt Ion:276 Resp: 90699
Ion Ratio Lower Upper
276 100
138 19.2 18.1 27.1
227 0.0 0.2 0.2





#28
Dibenzo(a,h)anthracene
Concen: 0.342 ng/ul
RT: 26.287 min Scan# 51
Delta R.T. -0.030 min
Lab File: BM041098.D
Acq: 25 Jul 2023 10:13

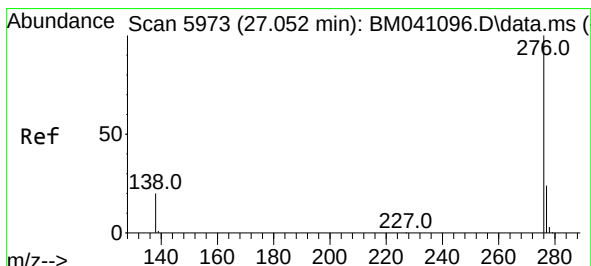
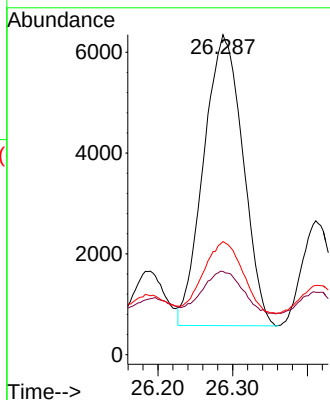
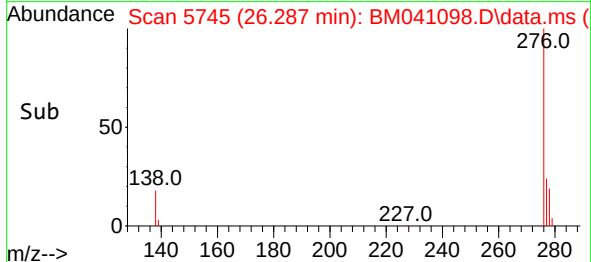
Instrument :
BNA_M
ClientSampleId :
A4721



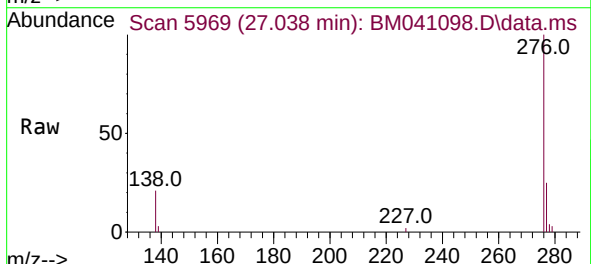
Tgt Ion:278 Resp: 2105
Ion Ratio Lower Upper
278 100
139 26.0 14.1 21.1
279 35.4 25.0 37.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#29
Benzo(g,h,i)perylene
Concen: 1.221 ng/ul
RT: 27.038 min Scan# 5969
Delta R.T. -0.013 min
Lab File: BM041098.D
Acq: 25 Jul 2023 10:13



Tgt Ion:276 Resp: 85582
Ion Ratio Lower Upper
276 100
138 21.1 18.2 27.2
277 25.0 20.6 30.8

