

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
 Data File : BM041021.D
 Acq On : 21 Jul 2023 16:52
 Operator : MA/JU
 Sample : 03472-36
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A46S9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/22/2023
 Supervised By :mohammad ahmed 07/22/2023

Quant Time: Jul 21 18:21:21 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 : Fri Jul 21 18:20:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	3797	0.400	ng/ul	0.00
4) Naphthalene-d8	10.669	136	13057	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.518	164	6530	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.269	188	13840	0.400	ng/ul	0.00
17) Chrysene-d12	21.463	240	9623	0.400	ng/ul	0.00
23) Perylene-d12	23.857	264	9140	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.280	96	5904	0.946	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.264	152	4200	0.241	ng/ul	0.00
18) Fluoranthene-d10	19.301	212	7470	0.185	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.719	128	8318	0.233	ng/ul	98
7) 2-Methylnaphthalene	12.335	142	2500	0.128	ng/ul	97
8) 1-Methylnaphthalene	12.555	142	2521	0.121	ng/ul	99
10) Acenaphthylene	14.236	152	4289	0.157	ng/ul#	91
11) Acenaphthene	14.578	153	11608	0.481	ng/ul	97
12) Fluorene	15.568	166	14914	0.598	ng/ul	99
15) Phenanthrene	17.312	178	221996	5.366	ng/ul	98
16) Anthracene	17.405	178	18276	0.567	ng/ul	98
19) Fluoranthene	19.334	202	284802	5.732	ng/ul#	93
20) Pyrene	19.696	202	205678	4.052	ng/ul	93
21) Benzo(a)anthracene	21.445	228	87908	2.999	ng/ul	100
22) Chrysene	21.498	228	101389	3.025	ng/ul	99
24) Benzo(b)fluoranthene	23.126	252	116307	3.315	ng/ul	86
25) Benzo(k)fluoranthene	23.170	252	40939m	1.228	ng/ul	
26) Benzo(a)pyrene	23.748	252	13617	0.449	ng/ul	93
27) Indeno(1,2,3-cd)pyrene	26.324	276	37108	0.923	ng/ul#	85
28) Dibenzo(a,h)anthracene	26.337	278	11478	0.377	ng/ul	97
29) Benzo(g,h,i)perylene	27.088	276	2859	0.077	ng/ul#	77

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

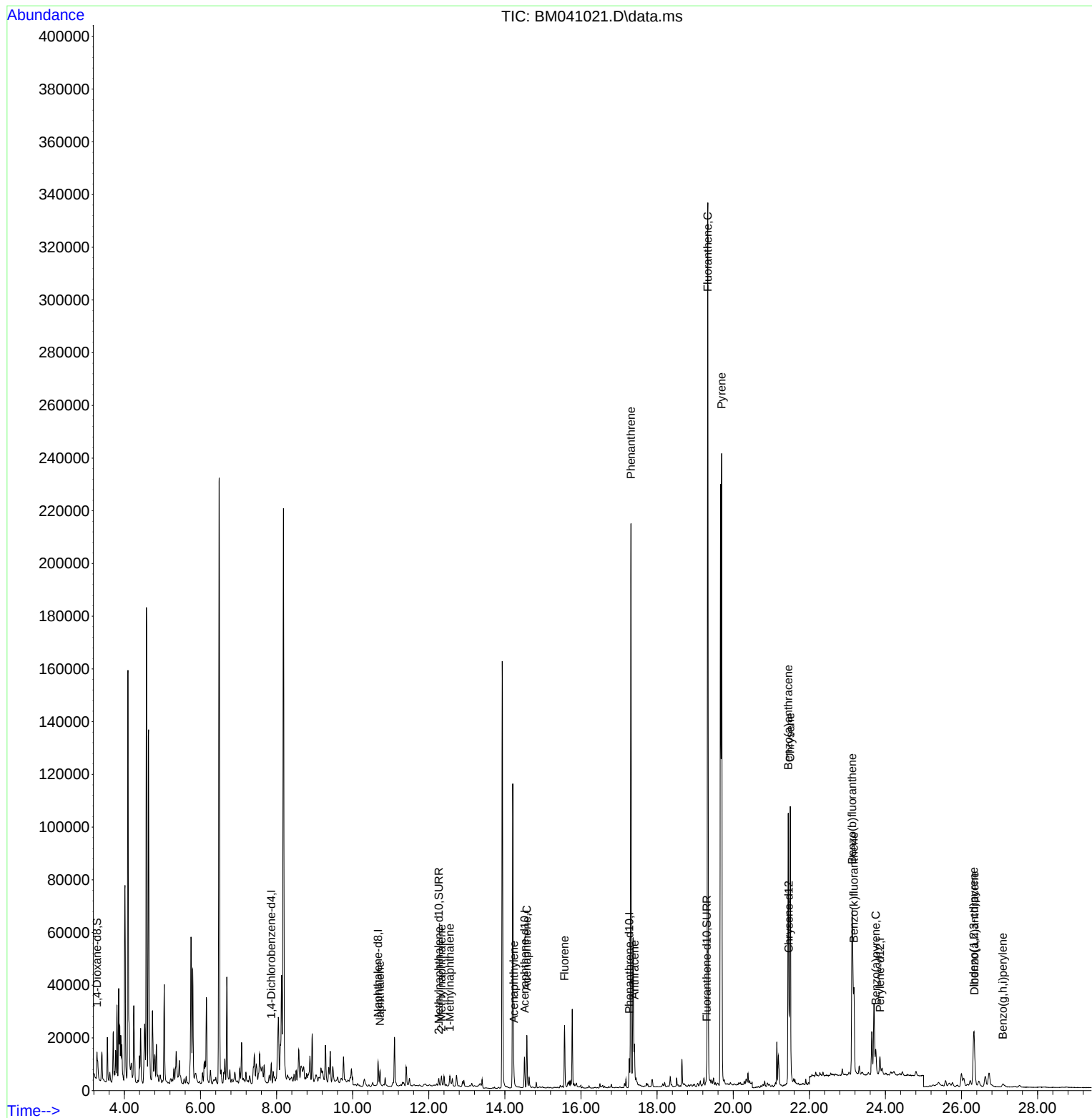
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
Data File : BM041021.D
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ALS Vial : 10 Sample Multiplier: 1

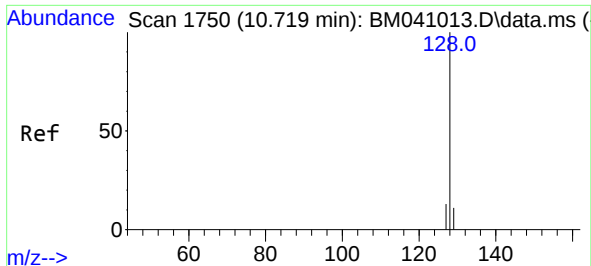
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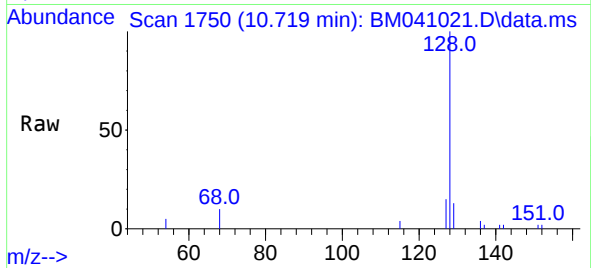
Quant Time: Jul 21 18:21:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 21 18:20:46 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.233 ng/ul
RT: 10.719 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BM041021.D
Acq: 21 Jul 2023 16:52

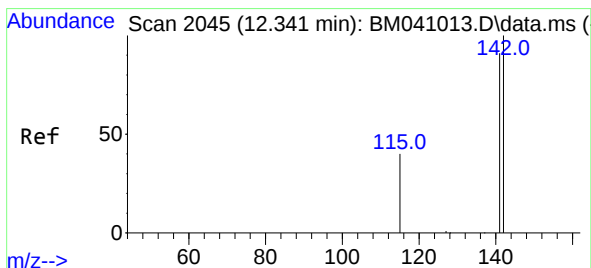
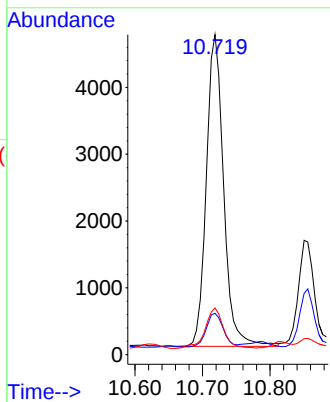
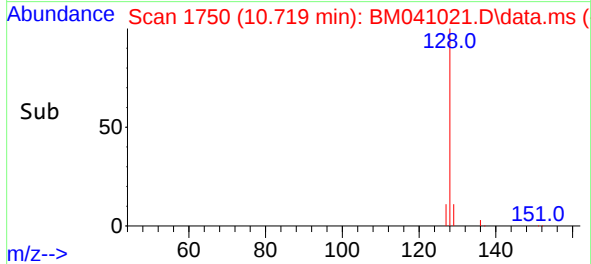
Instrument :
BNA_M
ClientSampleId :
A46S9



Tgt Ion:128 Resp: 8318
Ion Ratio Lower Upper
128 100
129 12.9 9.8 14.8
127 14.6 11.0 16.4

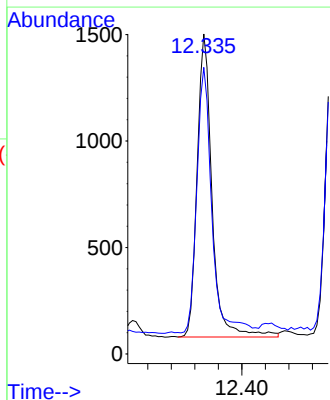
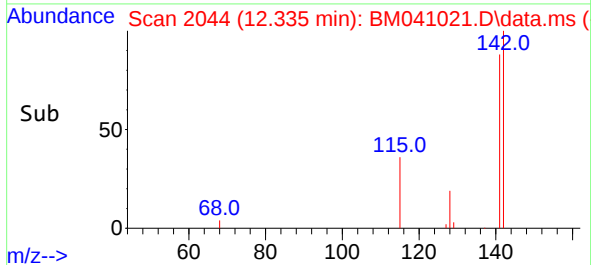
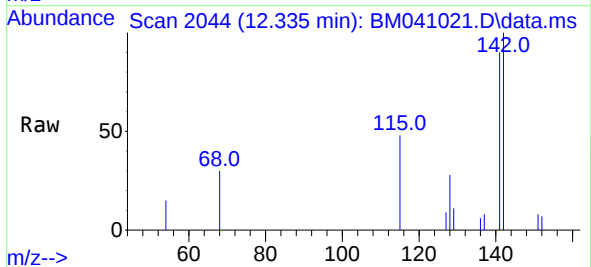
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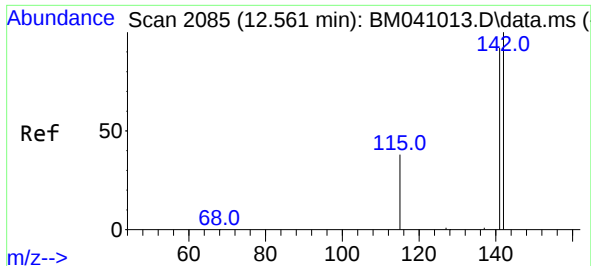
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#7
2-Methylnaphthalene
Concen: 0.128 ng/ul
RT: 12.335 min Scan# 2044
Delta R.T. -0.006 min
Lab File: BM041021.D
Acq: 21 Jul 2023 16:52

Tgt Ion:142 Resp: 2500
Ion Ratio Lower Upper
142 100
141 88.7 73.2 109.8





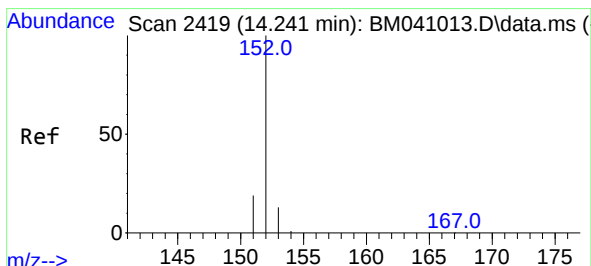
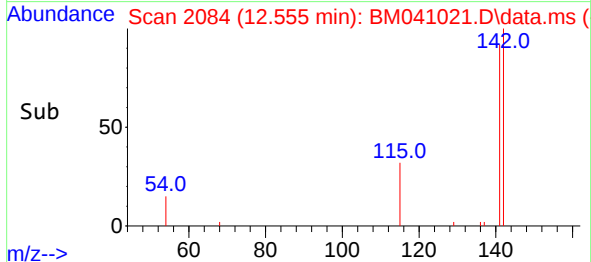
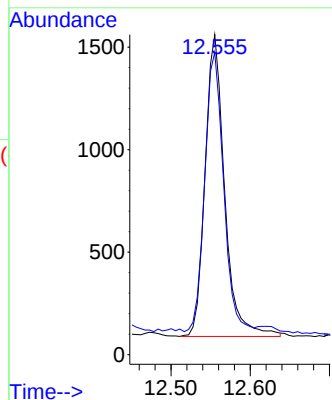
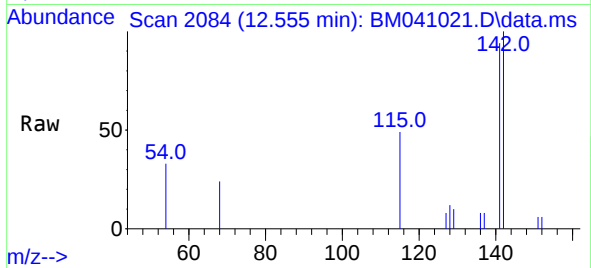
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1-Methylnaphthalene
Concen: 0.121 ng/ul
RT: 12.555 min Scan# 2085
Delta R.T. -0.006 min
Lab File: BM041021.D
Acq: 21 Jul 2023 16:52

Instrument :
BNA_M
ClientSampleId :
A46S9

Tgt Ion:142 Resp: 252
Ion Ratio Lower Upper
142 100
141 90.4 73.4 110.2

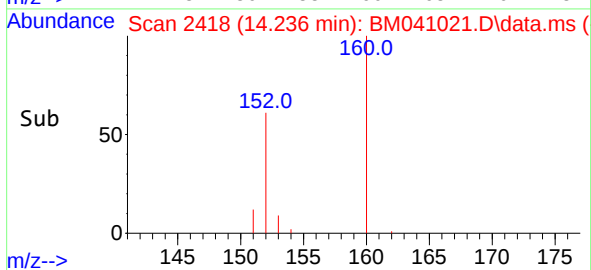
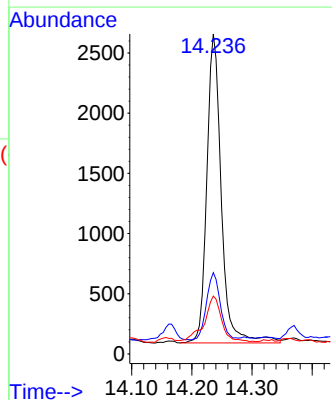
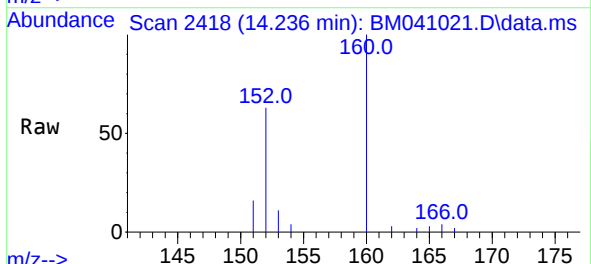
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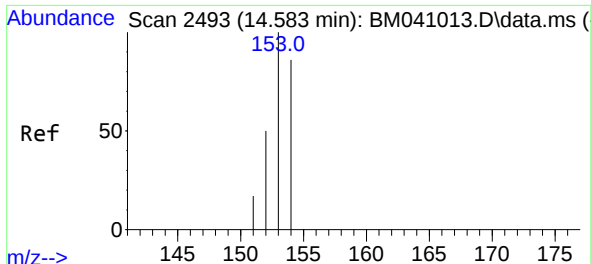
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#10
Acenaphthylene
Concen: 0.157 ng/ul
RT: 14.236 min Scan# 2418
Delta R.T. -0.005 min
Lab File: BM041021.D
Acq: 21 Jul 2023 16:52

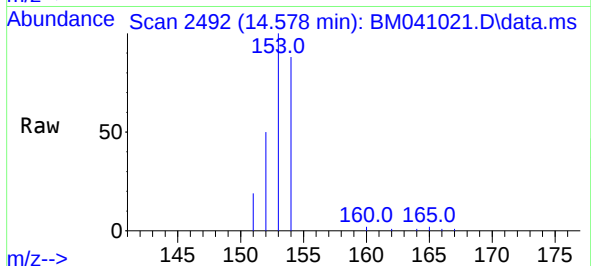
Tgt Ion:152 Resp: 4289
Ion Ratio Lower Upper
152 100
151 25.4 16.8 25.2#
153 18.1 11.6 17.4#





#11
Acenaphthene
Concen: 0.481 ng/u1
RT: 14.578 min Scan# 2492
Delta R.T. -0.005 min
Lab File: BM041021.D
Acq: 21 Jul 2023 16:52

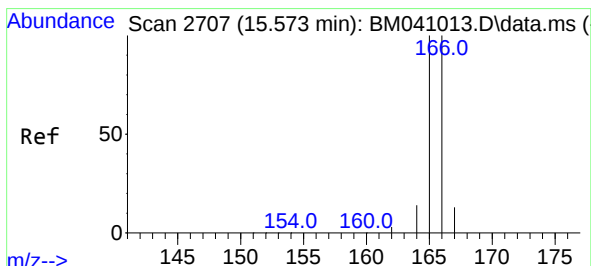
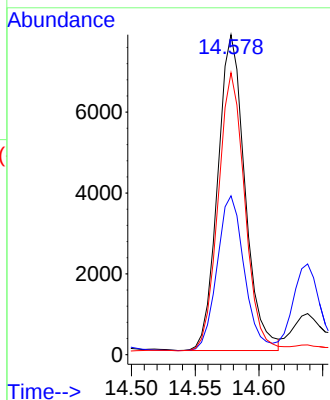
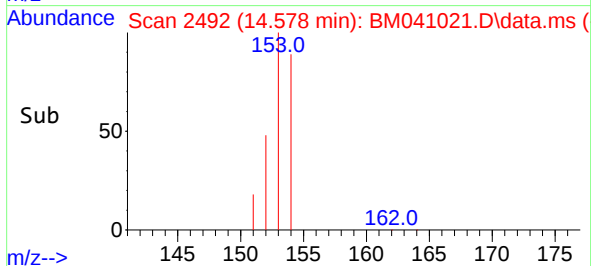
Instrument :
BNA_M
ClientSampleId :
A46S9



Tgt Ion:153 Resp: 11608
Ion Ratio Lower Upper
153 100
152 49.7 41.0 61.6
154 88.1 68.2 102.2

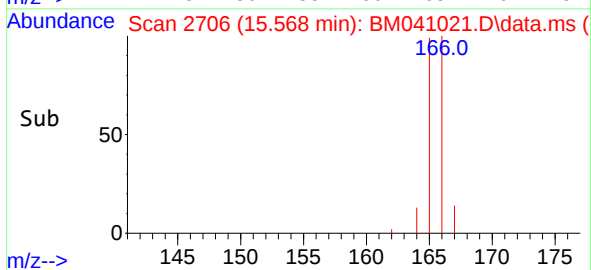
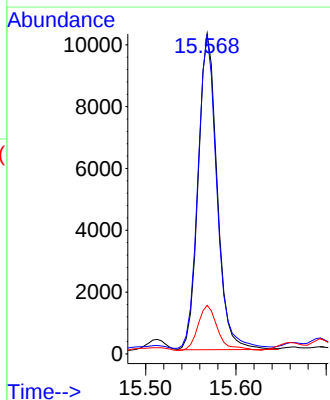
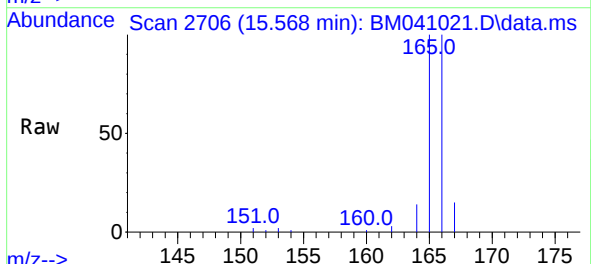
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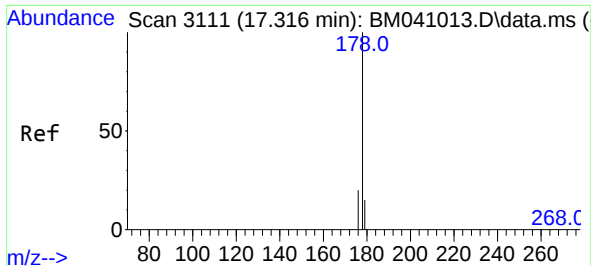
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#12
Fluorene
Concen: 0.598 ng/u1
RT: 15.568 min Scan# 2706
Delta R.T. -0.005 min
Lab File: BM041021.D
Acq: 21 Jul 2023 16:52

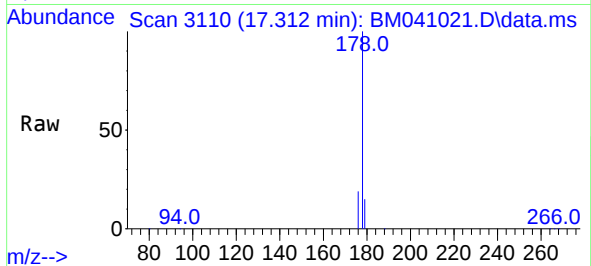
Tgt Ion:166 Resp: 14914
Ion Ratio Lower Upper
166 100
165 99.7 80.3 120.5
167 15.2 11.7 17.5





#15
Phenanthrene
Concen: 5.366 ng/u1
RT: 17.312 min Scan# 3111
Delta R.T. -0.004 min
Lab File: BM041021.D
Acq: 21 Jul 2023 16:52

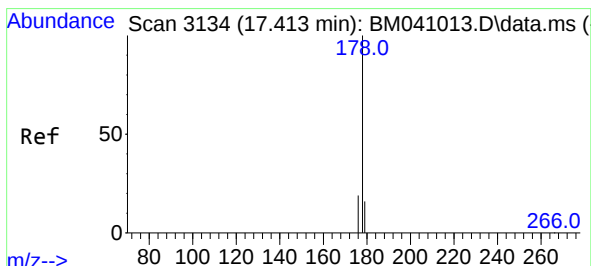
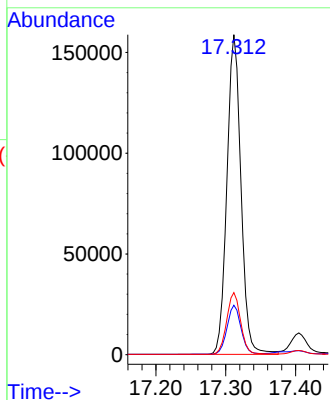
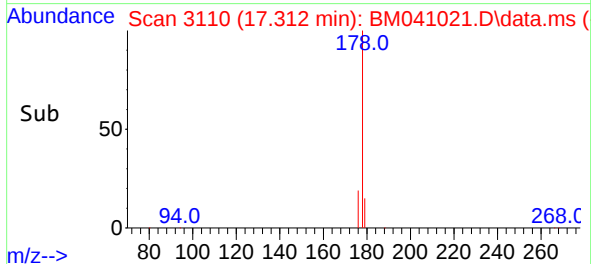
Instrument :
BNA_M
ClientSampleId :
A46S9



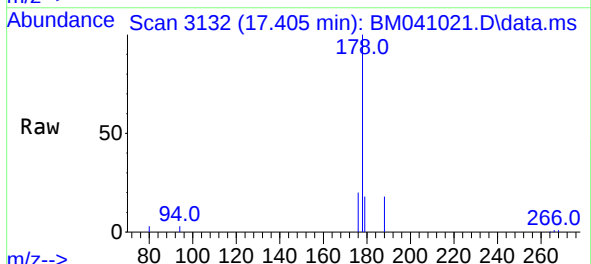
Tgt Ion:178 Resp: 221990
Ion Ratio Lower Upper
178 100
179 15.5 13.0 19.6
176 19.4 16.2 24.4

Manual Integrations
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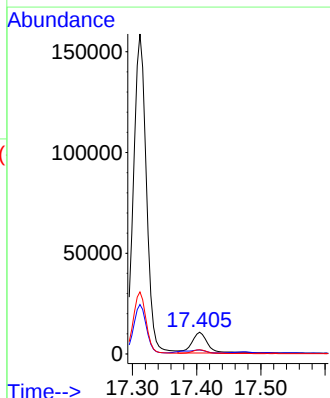
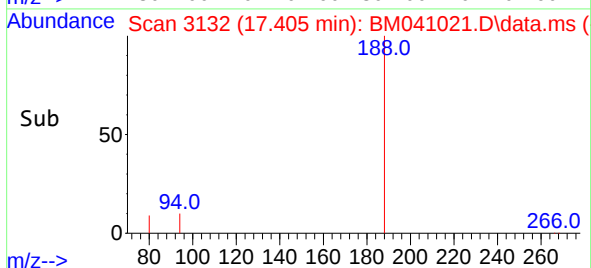
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

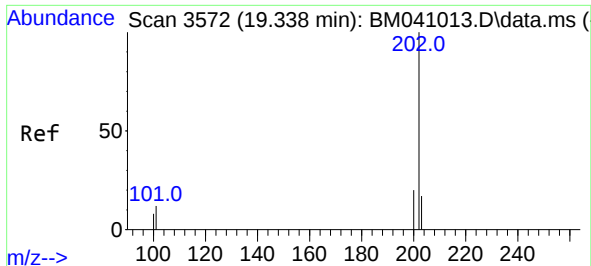


#16
Anthracene
Concen: 0.567 ng/u1
RT: 17.405 min Scan# 3132
Delta R.T. -0.009 min
Lab File: BM041021.D
Acq: 21 Jul 2023 16:52



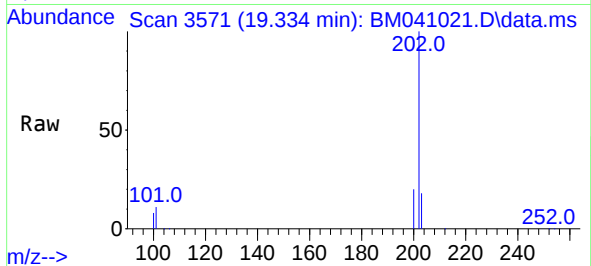
Tgt Ion:178 Resp: 18276
Ion Ratio Lower Upper
178 100
179 18.4 13.7 20.5
176 19.5 16.4 24.6





#19
Fluoranthene
Concen: 5.732 ng/u1
RT: 19.334 min Scan# 3572
Delta R.T. -0.005 min
Lab File: BM041021.D
Acq: 21 Jul 2023 16:52

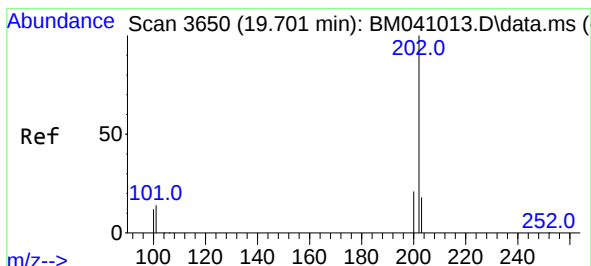
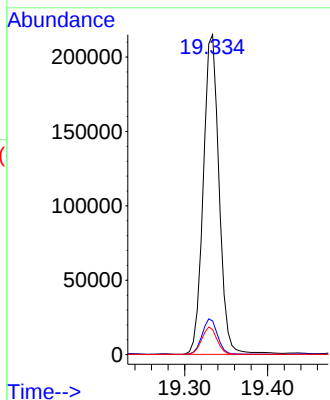
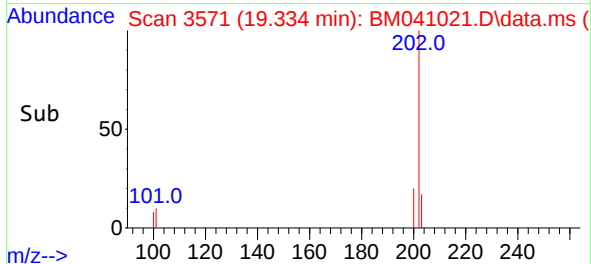
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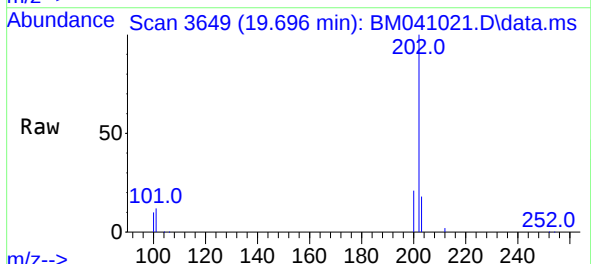
Tgt Ion:202 Resp: 28480
Ion Ratio Lower Upper
202 100
101 10.6 11.0 16.4
100 7.8 8.3 12.5

Manual Integrations
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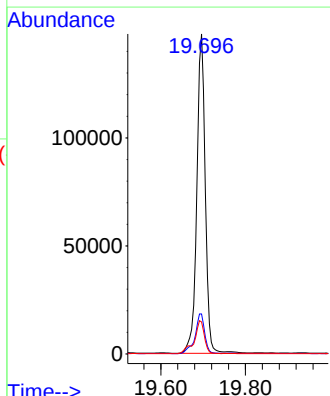
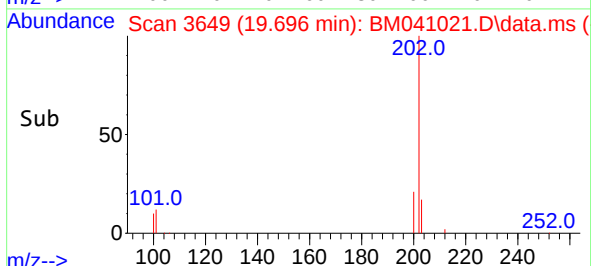
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

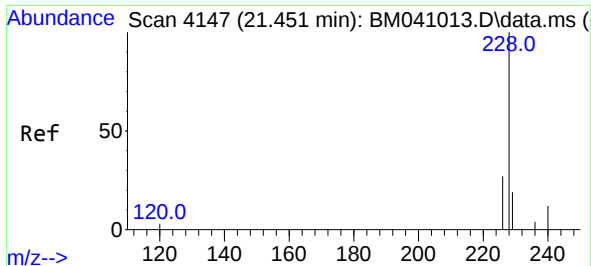


#20
Pyrene
Concen: 4.052 ng/u1
RT: 19.696 min Scan# 3649
Delta R.T. -0.005 min
Lab File: BM041021.D
Acq: 21 Jul 2023 16:52



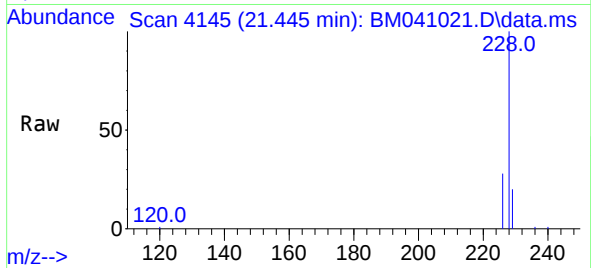
Tgt Ion:202 Resp: 205678
Ion Ratio Lower Upper
202 100
101 12.5 12.5 18.7
100 10.0 10.0 15.0





#21
Benzo(a)anthracene
Concen: 2.999 ng/ul
RT: 21.445 min Scan# 4145
Delta R.T. -0.006 min
Lab File: BM041021.D
Acq: 21 Jul 2023 16:52

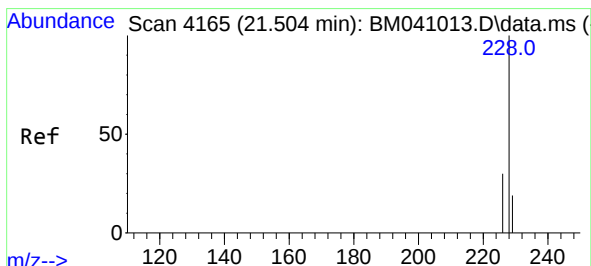
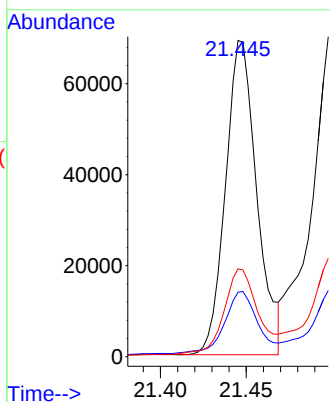
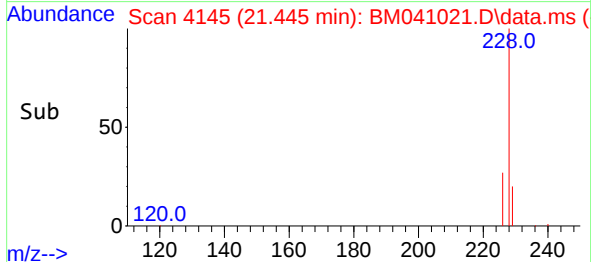
Instrument :
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Tgt Ion:228 Resp: 87908
Ion Ratio Lower Upper
228 100
229 20.4 16.2 24.4
226 27.8 22.3 33.5

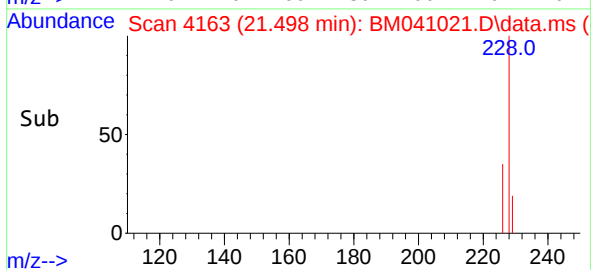
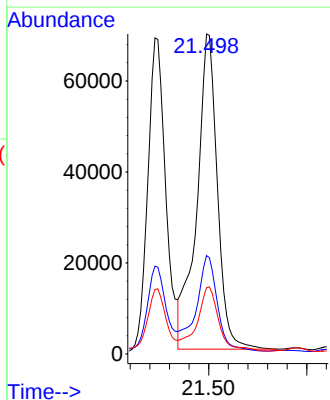
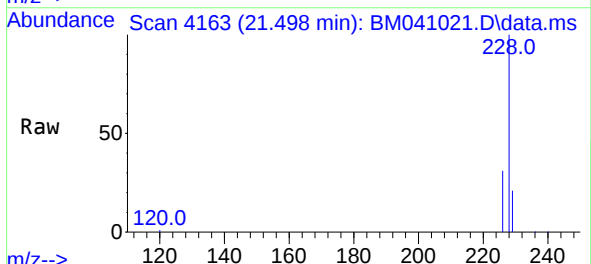
Manual Integrations
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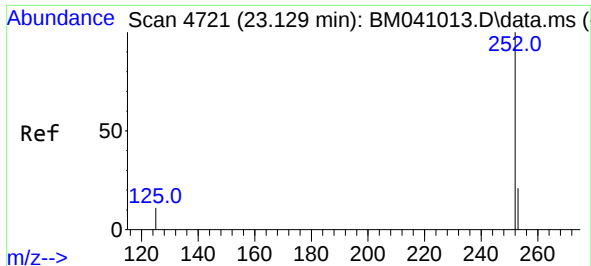
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#22
Chrysene
Concen: 3.025 ng/ul
RT: 21.498 min Scan# 4163
Delta R.T. -0.006 min
Lab File: BM041021.D
Acq: 21 Jul 2023 16:52

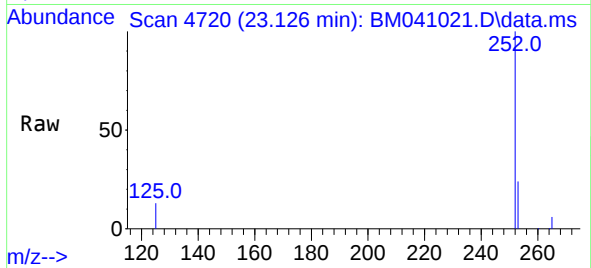
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Ion Ratio Lower Upper
228 100
226 30.8 24.6 37.0
229 20.7 16.1 24.1





#24
Benzo(b)fluoranthene
Concen: 3.315 ng/ul
RT: 23.126 min Scan# 4721
Delta R.T. -0.003 min
Lab File: BM041021.D
Acq: 21 Jul 2023 16:52

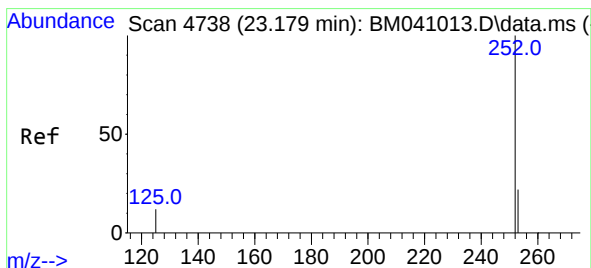
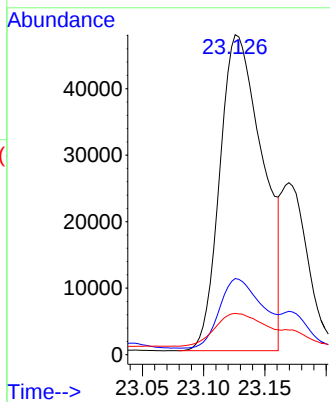
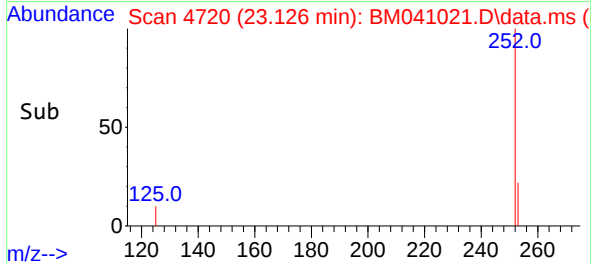
Instrument :
BNA_M
ClientSampleId :
A46S9



Tgt Ion:252 Resp: 116307
Ion Ratio Lower Upper
252 100
253 23.8 0.0 57.4
125 12.9 0.0 45.2

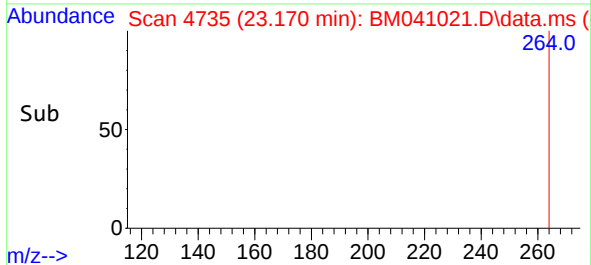
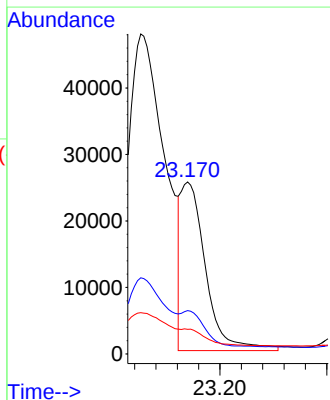
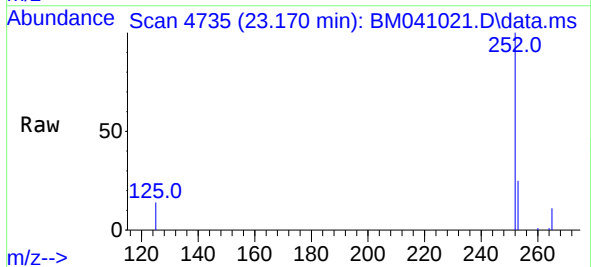
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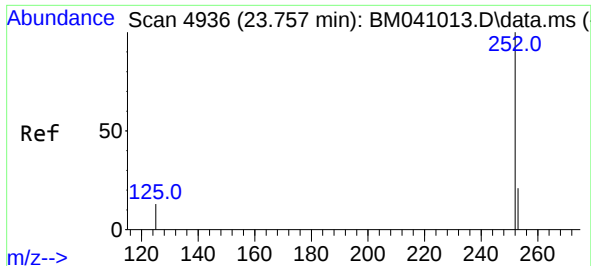
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#25
Benzo(k)fluoranthene
Concen: 1.228 ng/ul m
RT: 23.170 min Scan# 4735
Delta R.T. -0.009 min
Lab File: BM041021.D
Acq: 21 Jul 2023 16:52

Tgt Ion:252 Resp: 40939
Ion Ratio Lower Upper
252 100
253 25.2 23.3 34.9
125 14.4 18.2 27.2#





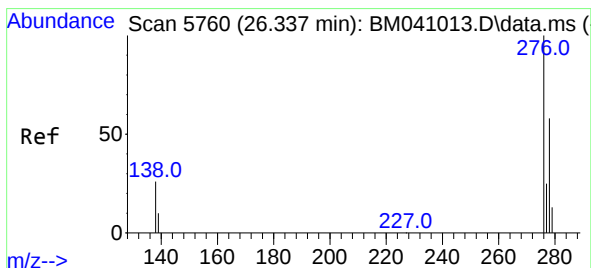
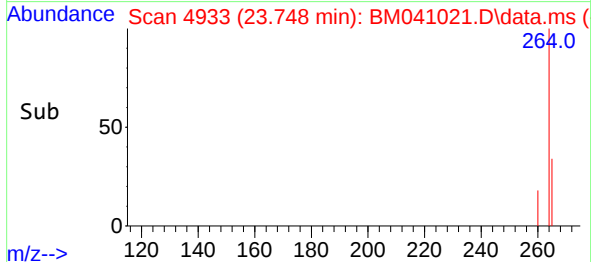
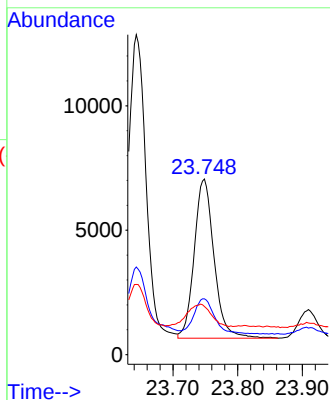
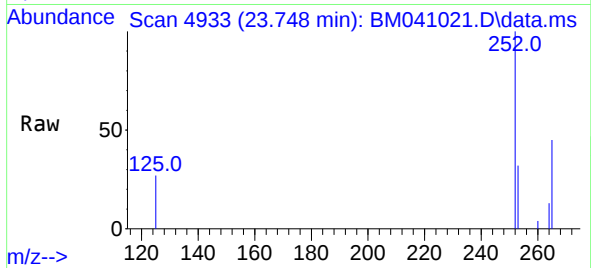
#26
Benzo(a)pyrene
Concen: 0.449 ng/ul
RT: 23.748 min Scan# 4936
Delta R.T. -0.009 min
Lab File: BM041021.D
Acq: 21 Jul 2023 16:52

Instrument :
BNA_M
ClientSampleId :
A46S9

Tgt Ion:252 Resp: 1361
Ion Ratio Lower Upper
252 100
253 31.7 28.2 42.2
125 27.4 25.2 37.8

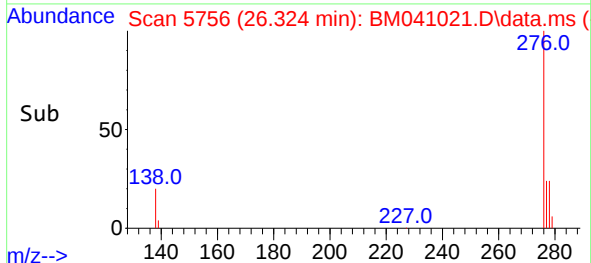
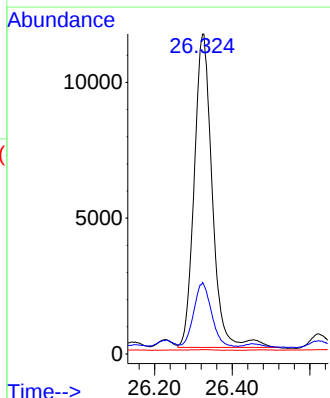
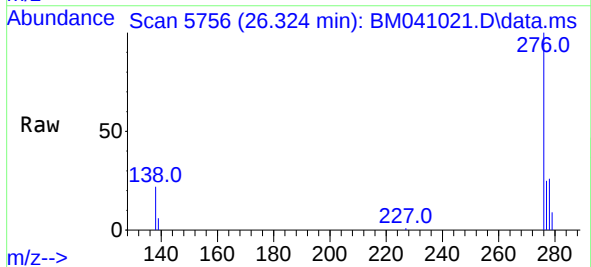
Manual Integrations
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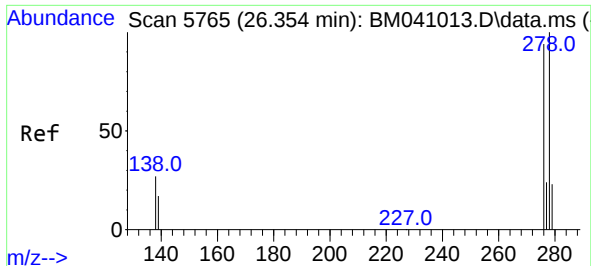
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.923 ng/ul
RT: 26.324 min Scan# 5756
Delta R.T. -0.014 min
Lab File: BM041021.D
Acq: 21 Jul 2023 16:52

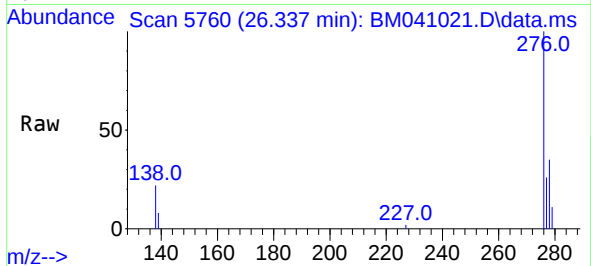
Tgt Ion:276 Resp: 37108
Ion Ratio Lower Upper
276 100
138 19.9 22.3 33.5#
227 0.2 0.0 0.0#





#28
Dibenzo(a,h)anthracene
Concen: 0.377 ng/ul
RT: 26.337 min Scan# 5147
Delta R.T. -0.017 min
Lab File: BM041021.D
Acq: 21 Jul 2023 16:52

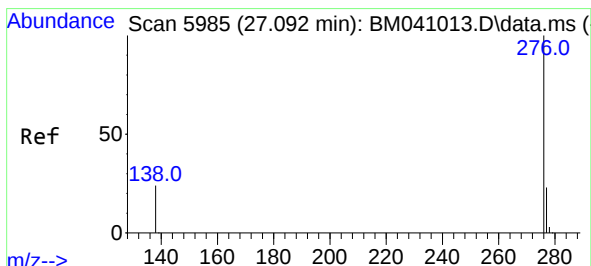
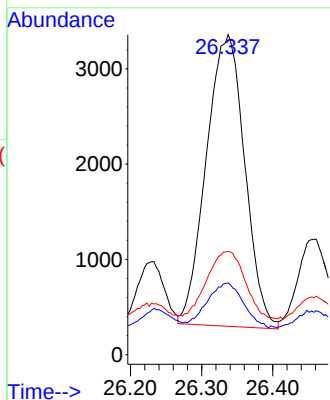
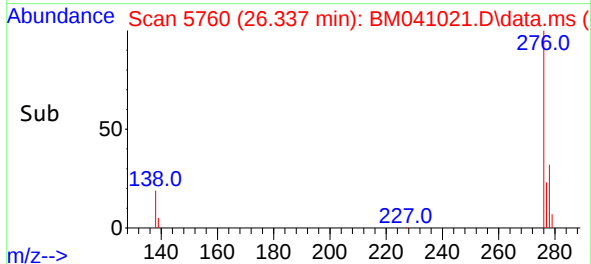
Instrument :
BNA_M
ClientSampleId :
A46S9



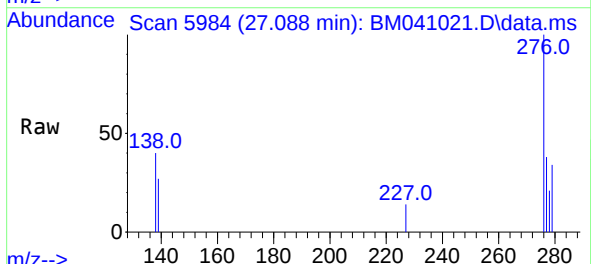
Tgt Ion:278 Resp: 11478
Ion Ratio Lower Upper
278 100
139 22.4 19.2 28.8
279 32.3 27.0 40.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#29
Benzo(g,h,i)perylene
Concen: 0.077 ng/ul
RT: 27.088 min Scan# 5984
Delta R.T. -0.004 min
Lab File: BM041021.D
Acq: 21 Jul 2023 16:52



Tgt Ion:276 Resp: 2859
Ion Ratio Lower Upper
276 100
138 40.0 22.6 34.0#
277 38.5 21.2 31.8#

