

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072023\
 Data File : BM041003.D
 Acq On : 21 Jul 2023 05:06
 Operator : MA/JU
 Sample : 03444-15
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A46W0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/21/2023
 Supervised By :mohammad ahmed 07/21/2023

Quant Time: Jul 21 06:12:21 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 : Thu Jul 20 05:08:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	4819	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.669	136	17112	0.400	ng/ul	#-0.01
9) Acenaphthene-d10	14.513	164	9240	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.270	188	27492	0.400	ng/ul	-0.01
17) Chrysene-d12	21.460	240	15533	0.400	ng/ul	-0.01
23) Perylene-d12	23.851	264	16005	0.400	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.280	96	6507	0.821	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.264	152	4871	0.214	ng/ul	-0.02
18) Fluoranthene-d10	19.301	212	10639	0.163	ng/ul	-0.01
Target Compounds					Qvalue	
5) Naphthalene	10.719	128	30945	0.661	ng/ul	98
7) 2-Methylnaphthalene	12.335	142	5054	0.197	ng/ul	98
8) 1-Methylnaphthalene	12.555	142	4494	0.165	ng/ul	99
10) Acenaphthylene	14.236	152	5708	0.147	ng/ul#	91
11) Acenaphthene	14.578	153	16018	0.470	ng/ul	96
12) Fluorene	15.568	166	20385	0.577	ng/ul	98
15) Phenanthrene	17.312	178	317202	3.860	ng/ul	98
16) Anthracene	17.405	178	34555	0.540	ng/ul	98
19) Fluoranthene	19.329	202	405112	5.051	ng/ul	95
20) Pyrene	19.696	202	322751	3.939	ng/ul#	92
21) Benzo(a)anthracene	21.445	228	138689	2.931	ng/ul	99
22) Chrysene	21.498	228	146693	2.712	ng/ul	97
24) Benzo(b)fluoranthene	23.123	252	177903	2.896	ng/ul	85
25) Benzo(k)fluoranthene	23.167	252	75263m	1.289	ng/ul	
26) Benzo(a)pyrene	23.743	252	81558	1.537	ng/ul#	76
27) Indeno(1,2,3-cd)pyrene	26.317	276	94345	1.340	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.330	278	22849	0.429	ng/ul	95
29) Benzo(g,h,i)perylene	27.078	276	92248	1.418	ng/ul#	91

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

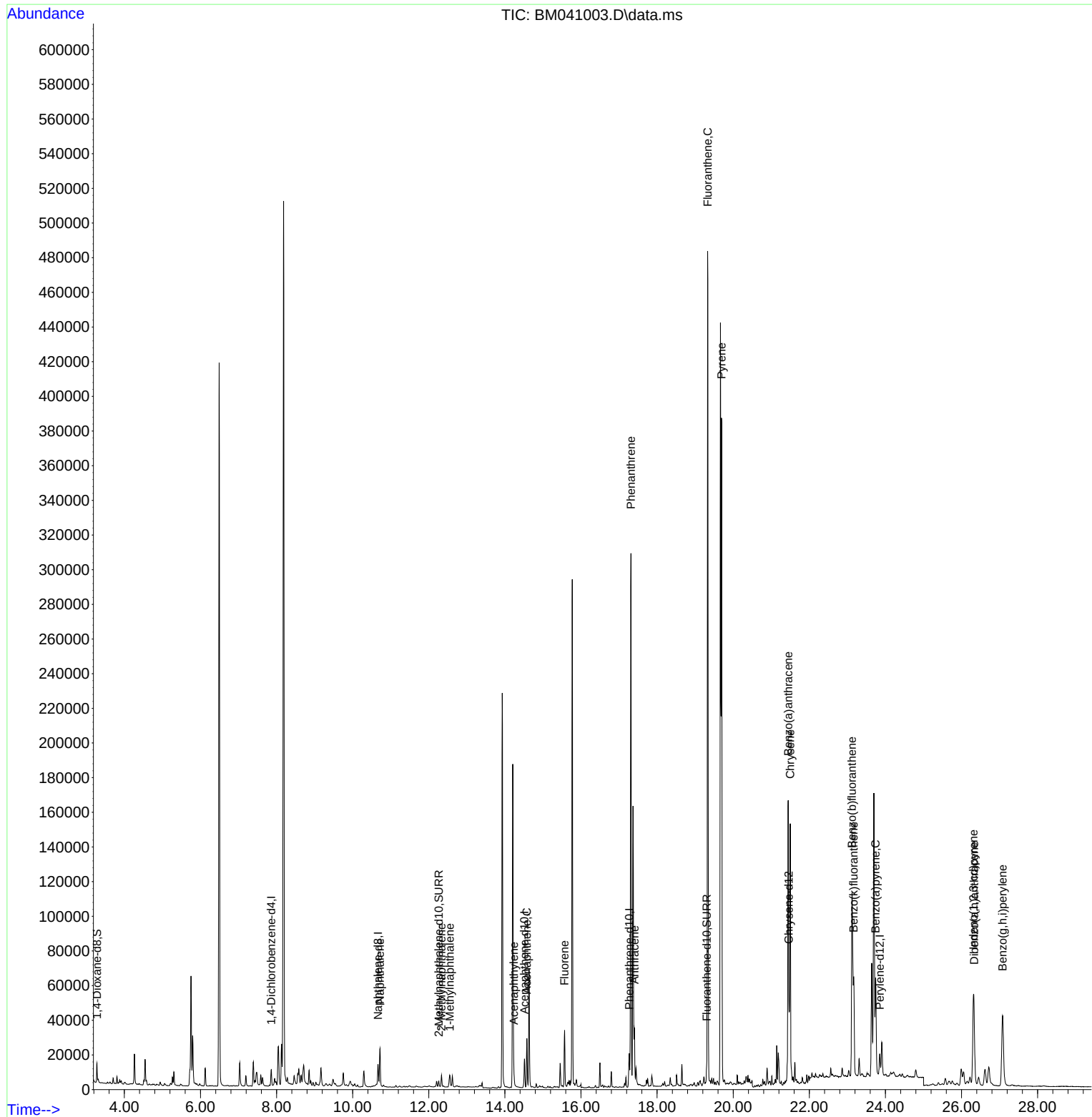
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072023\
Data File : BM041003.D
Acq On : 21 Jul 2023 05:06
Operator : MA/JU
Sample : 03444-15
Misc :
ALS Vial : 35 Sample Multiplier: 1

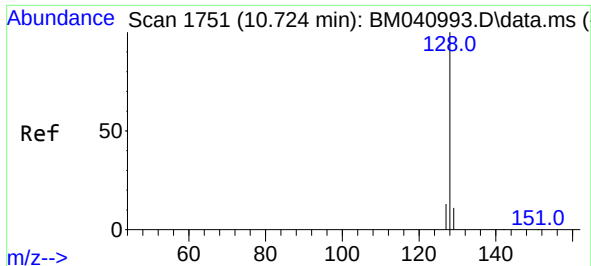
Instrument :
BNA_M
ClientSampleId :
A46W0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023

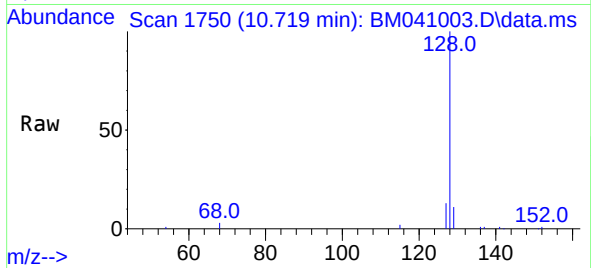
Quant Time: Jul 21 06:12:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 20 05:08:42 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.661 ng/ul
RT: 10.719 min Scan# 11
Delta R.T. -0.011 min
Lab File: BM041003.D
Acq: 21 Jul 2023 05:06

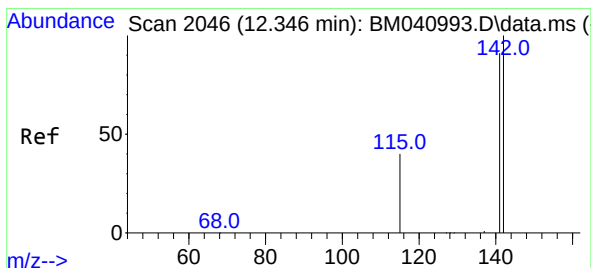
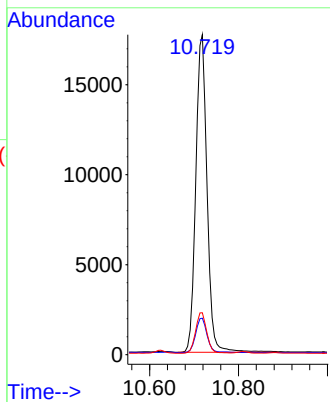
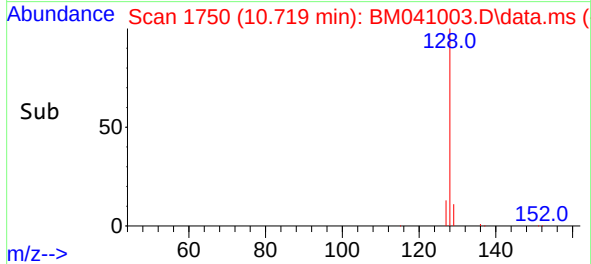
Instrument :
BNA_M
ClientSampleId :
A46W0



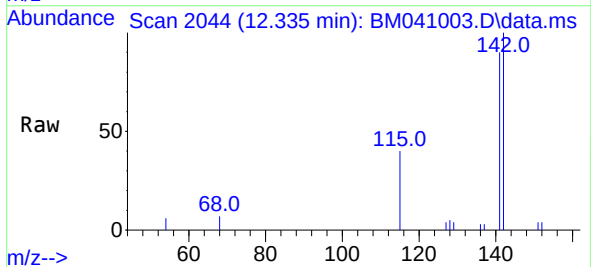
Tgt Ion:128 Resp: 3094
Ion Ratio Lower Upper
128 100
129 11.4 9.8 14.8
127 13.1 11.0 16.4

Manual Integrations
APPROVED

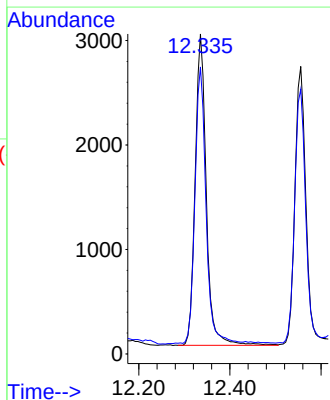
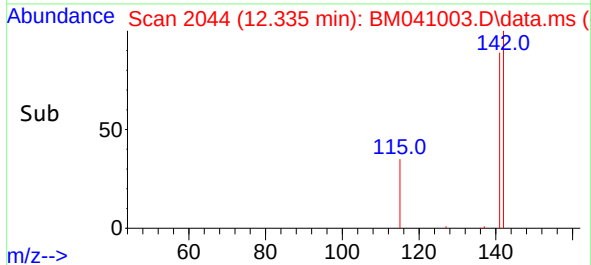
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023

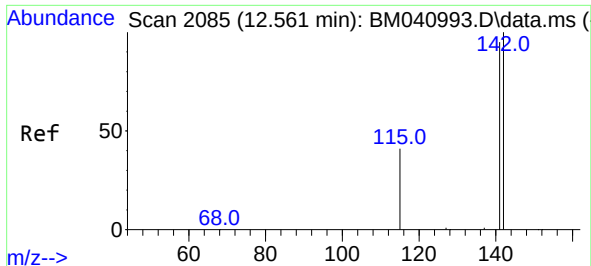


#7
2-Methylnaphthalene
Concen: 0.197 ng/ul
RT: 12.335 min Scan# 2044
Delta R.T. -0.016 min
Lab File: BM041003.D
Acq: 21 Jul 2023 05:06



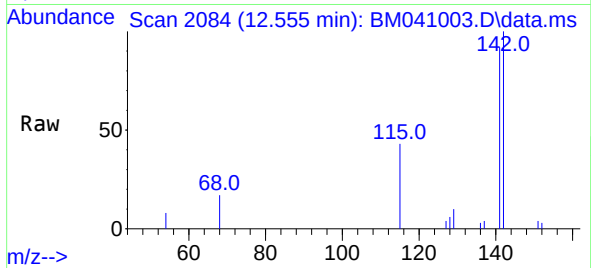
Tgt Ion:142 Resp: 5054
Ion Ratio Lower Upper
142 100
141 90.0 73.2 109.8





#8
1-Methylnaphthalene
Concen: 0.165 ng/ul
RT: 12.555 min Scan# 2084
Delta R.T. -0.011 min
Lab File: BM041003.D
Acq: 21 Jul 2023 05:06

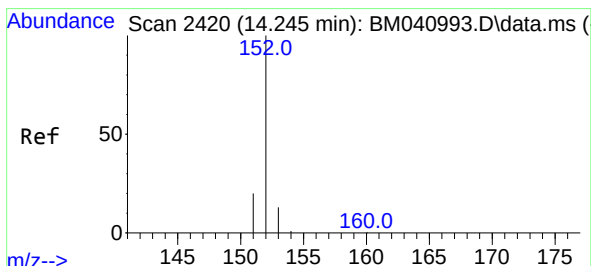
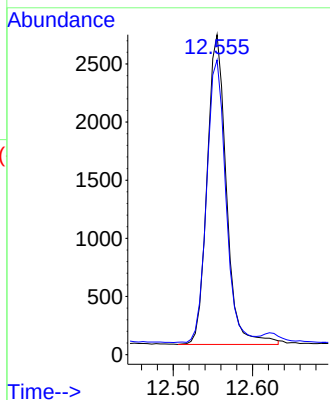
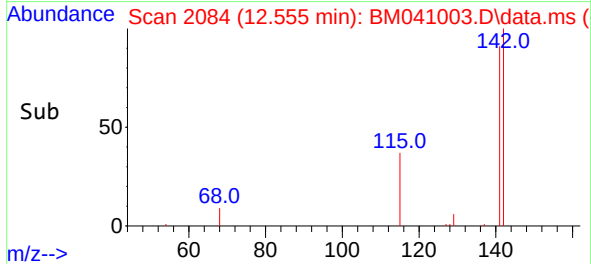
Instrument :
BNA_M
ClientSampleId :
A46W0



Tgt Ion:142 Resp: 4494
Ion Ratio Lower Upper
142 100
141 90.8 73.4 110.2

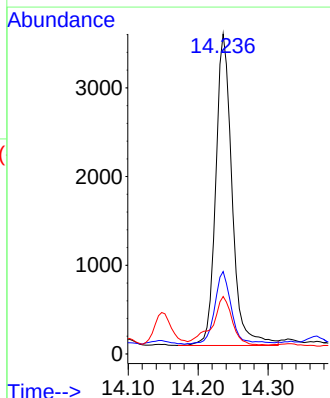
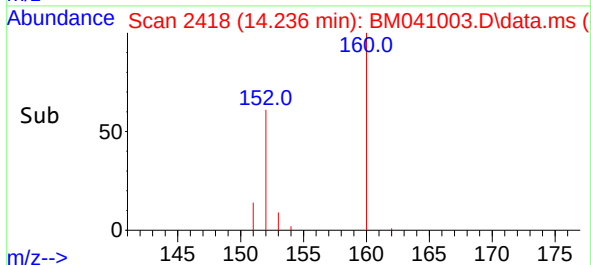
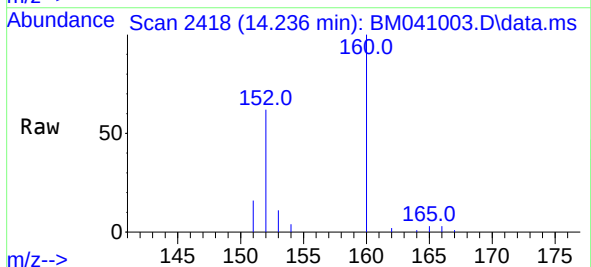
Manual Integrations
APPROVED

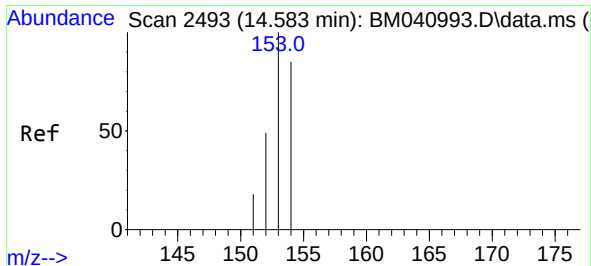
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023



#10
Acenaphthylene
Concen: 0.147 ng/ul
RT: 14.236 min Scan# 2418
Delta R.T. -0.014 min
Lab File: BM041003.D
Acq: 21 Jul 2023 05:06

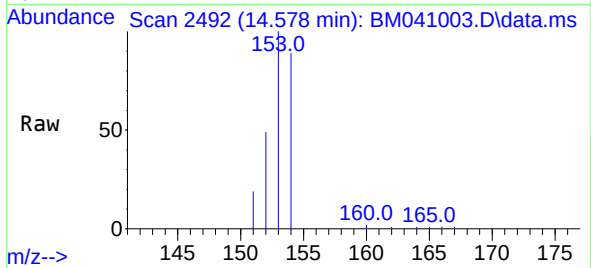
Tgt Ion:152 Resp: 5708
Ion Ratio Lower Upper
152 100
151 25.8 16.8 25.2#
153 18.0 11.6 17.4#





#11
Acenaphthene
Concen: 0.470 ng/ul
RT: 14.578 min Scan# 2492
Delta R.T. -0.009 min
Lab File: BM041003.D
Acq: 21 Jul 2023 05:06

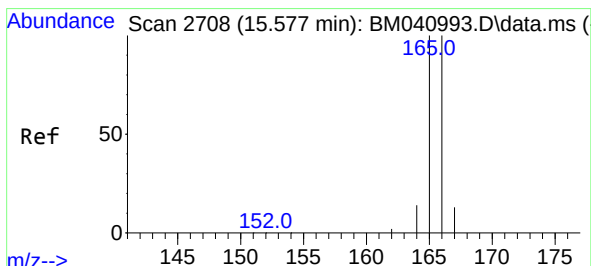
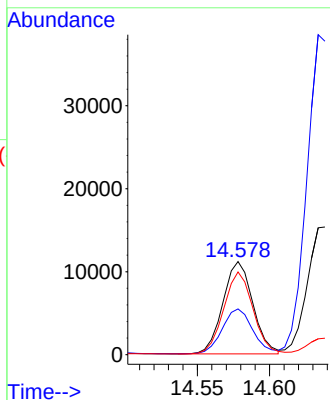
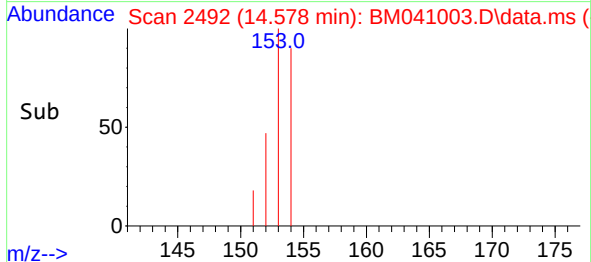
Instrument :
BNA_M
ClientSampleId :
A46W0



Tgt Ion:153 Resp: 16018
Ion Ratio Lower Upper
153 100
152 49.1 41.0 61.6
154 88.8 68.2 102.2

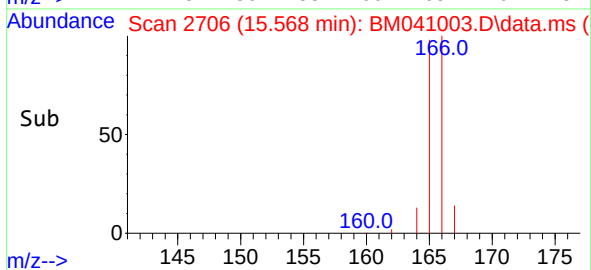
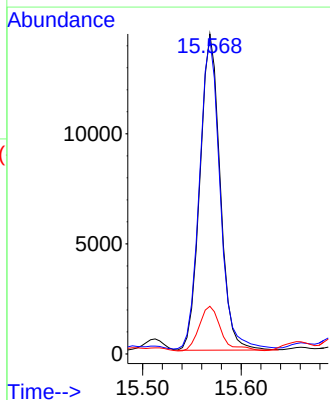
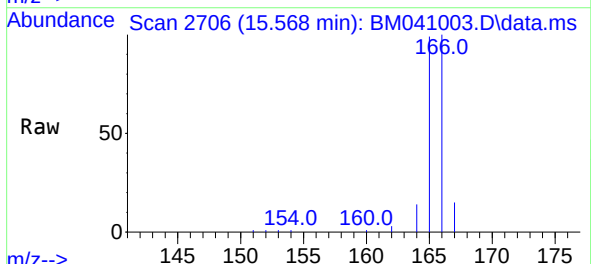
Manual Integrations
APPROVED

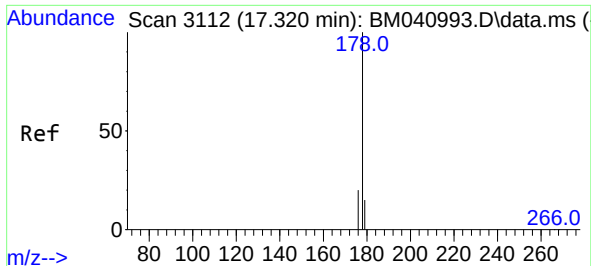
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023



#12
Fluorene
Concen: 0.577 ng/ul
RT: 15.568 min Scan# 2706
Delta R.T. -0.014 min
Lab File: BM041003.D
Acq: 21 Jul 2023 05:06

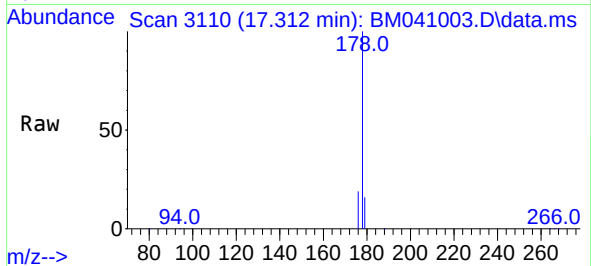
Tgt Ion:166 Resp: 20385
Ion Ratio Lower Upper
166 100
165 98.5 80.3 120.5
167 14.9 11.7 17.5





#15
Phenanthrene
Concen: 3.860 ng/u1
RT: 17.312 min Scan# 3112
Delta R.T. -0.013 min
Lab File: BM041003.D
Acq: 21 Jul 2023 05:06

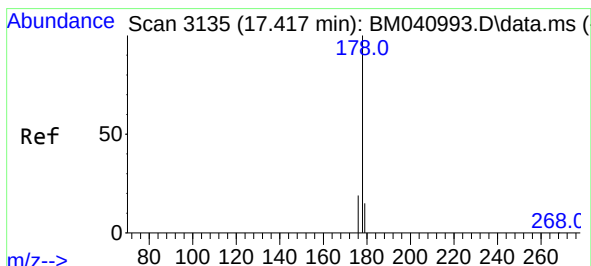
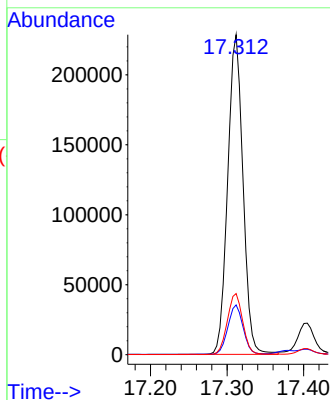
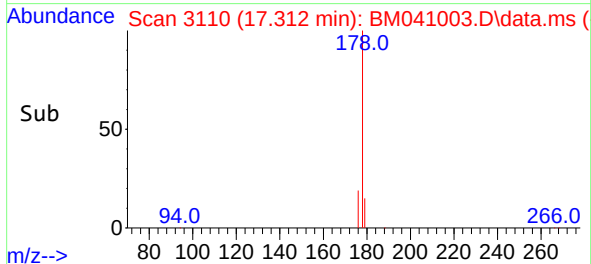
Instrument :
BNA_M
ClientSampleId :
A46W0



Tgt Ion:178 Resp: 31720
Ion Ratio Lower Upper
178 100
179 15.6 13.0 19.6
176 19.1 16.2 24.4

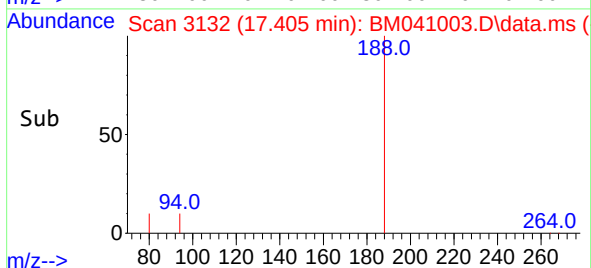
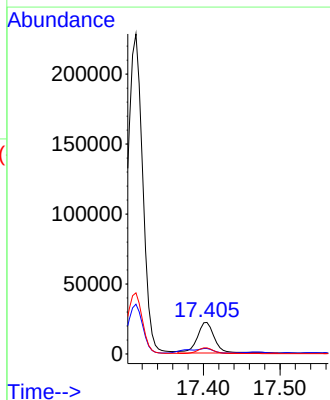
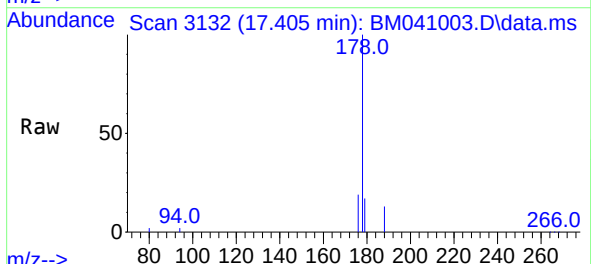
Manual Integrations
APPROVED

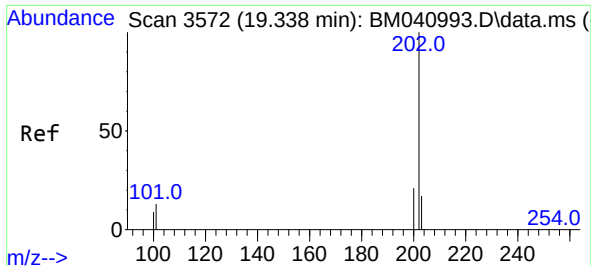
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023



#16
Anthracene
Concen: 0.540 ng/u1
RT: 17.405 min Scan# 3132
Delta R.T. -0.017 min
Lab File: BM041003.D
Acq: 21 Jul 2023 05:06

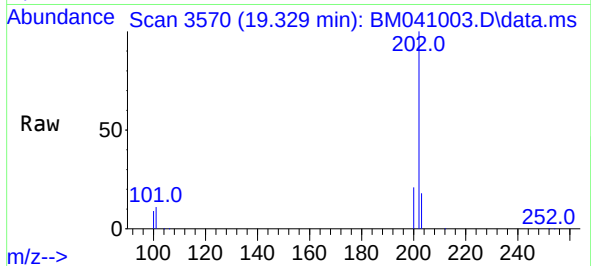
Tgt Ion:178 Resp: 34555
Ion Ratio Lower Upper
178 100
179 17.2 13.7 20.5
176 19.3 16.4 24.6





#19
Fluoranthene
Concen: 5.051 ng/u1
RT: 19.329 min Scan# 31
Delta R.T. -0.014 min
Lab File: BM041003.D
Acq: 21 Jul 2023 05:06

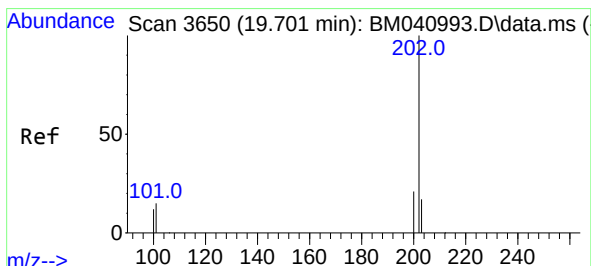
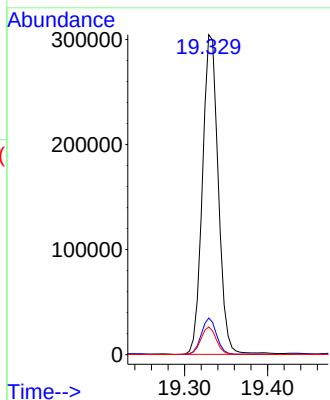
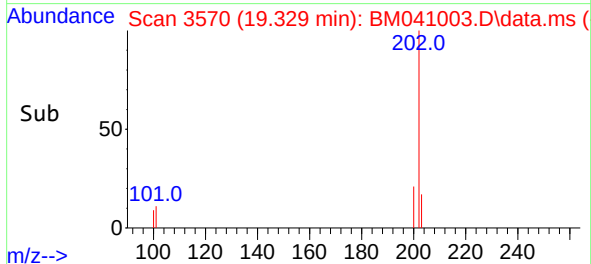
Instrument :
BNA_M
ClientSampleId :
A46W0



Tgt Ion:202 Resp: 405111
Ion Ratio Lower Upper
202 100
101 11.4 11.0 16.4
100 8.6 8.3 12.5

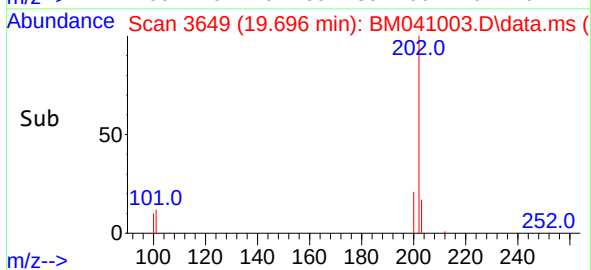
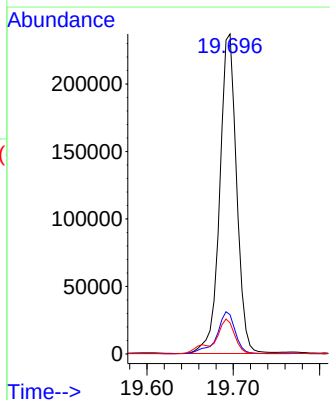
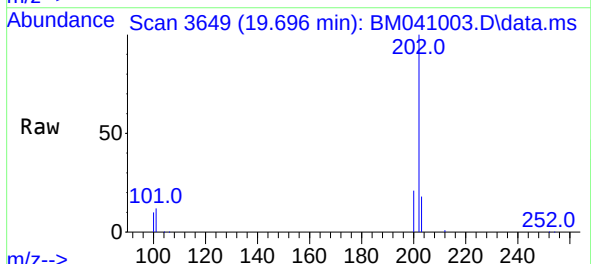
Manual Integrations
APPROVED

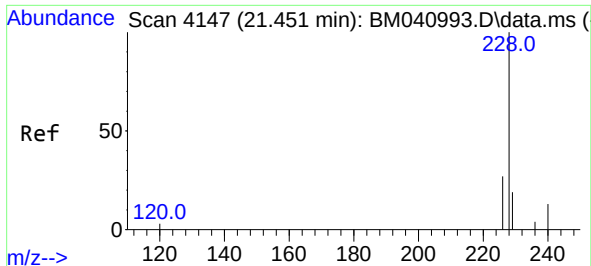
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023



#20
Pyrene
Concen: 3.939 ng/u1
RT: 19.696 min Scan# 3649
Delta R.T. -0.009 min
Lab File: BM041003.D
Acq: 21 Jul 2023 05:06

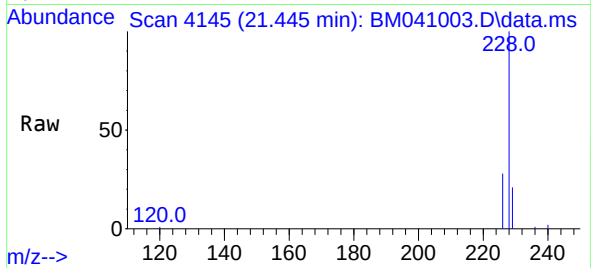
Tgt Ion:202 Resp: 322751
Ion Ratio Lower Upper
202 100
101 12.3 12.5 18.7#
100 9.7 10.0 15.0#





#21
Benzo(a)anthracene
Concen: 2.931 ng/ul
RT: 21.445 min Scan# 4145
Delta R.T. -0.012 min
Lab File: BM041003.D
Acq: 21 Jul 2023 05:06

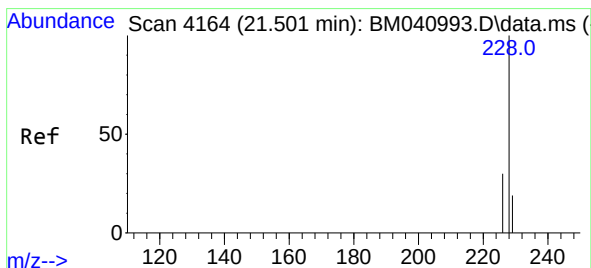
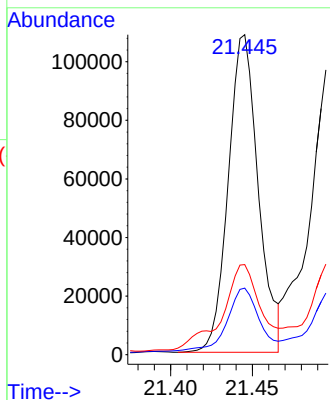
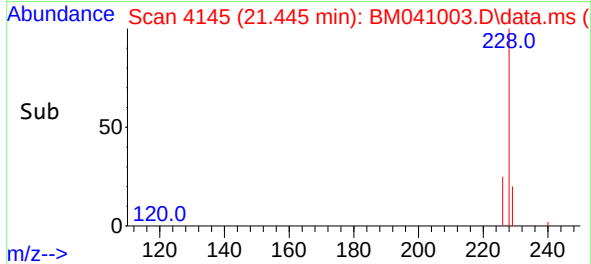
Instrument :
BNA_M
ClientSampleId :
A46W0



Tgt Ion:228 Resp: 138689
Ion Ratio Lower Upper
228 100
229 20.8 16.2 24.4
226 28.1 22.3 33.5

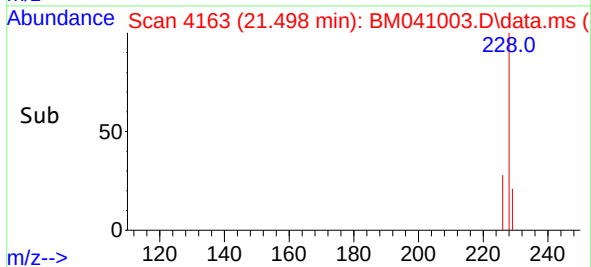
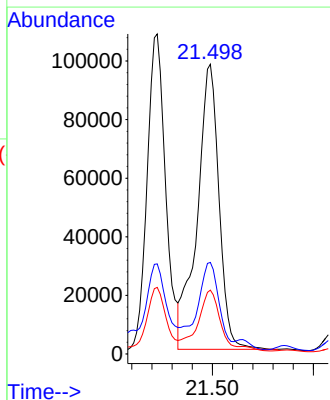
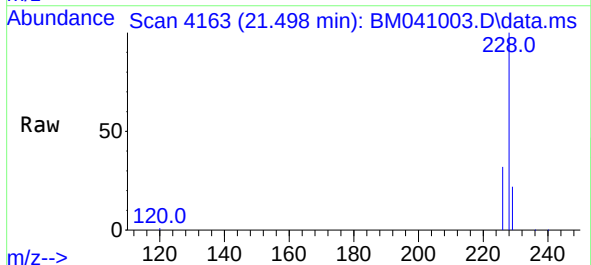
Manual Integrations
APPROVED

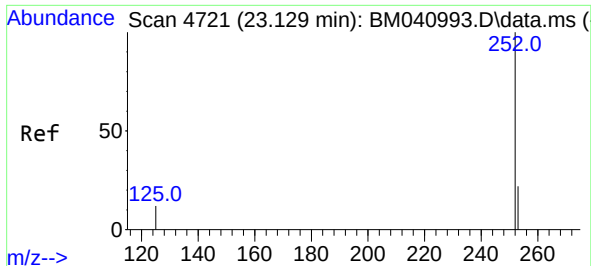
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023



#22
Chrysene
Concen: 2.712 ng/ul
RT: 21.498 min Scan# 4163
Delta R.T. -0.009 min
Lab File: BM041003.D
Acq: 21 Jul 2023 05:06

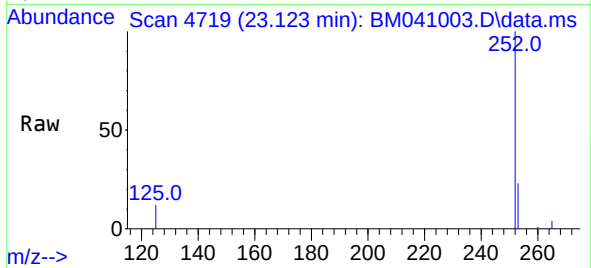
Tgt Ion:228 Resp: 146693
Ion Ratio Lower Upper
228 100
226 31.6 24.6 37.0
229 22.0 16.1 24.1





#24
Benzo(b)fluoranthene
Concen: 2.896 ng/ul
RT: 23.123 min Scan# 4719
Delta R.T. -0.012 min
Lab File: BM041003.D
Acq: 21 Jul 2023 05:06

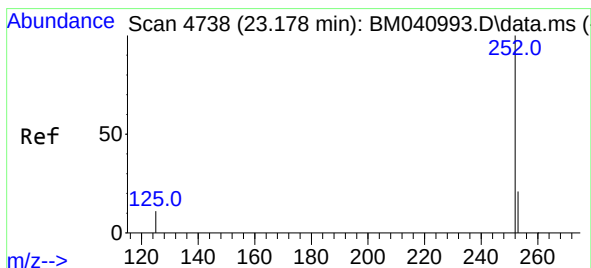
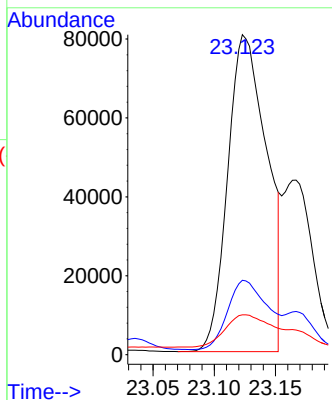
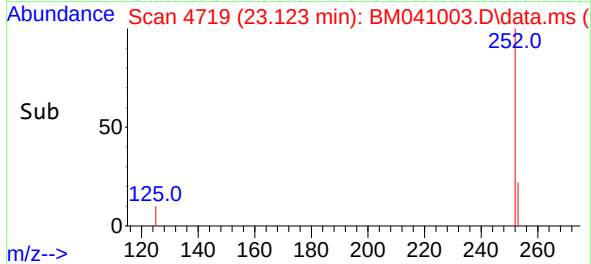
Instrument :
BNA_M
ClientSampleId :
A46W0



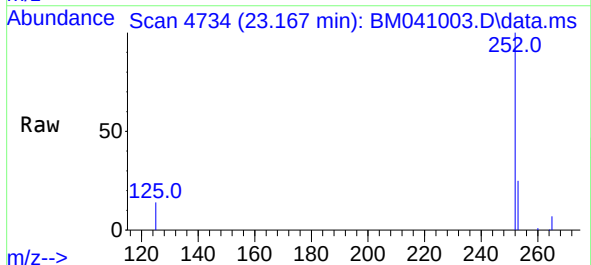
Tgt Ion:252 Resp: 17790
Ion Ratio Lower Upper
252 100
253 23.2 0.0 57.4
125 12.4 0.0 45.2

Manual Integrations
APPROVED

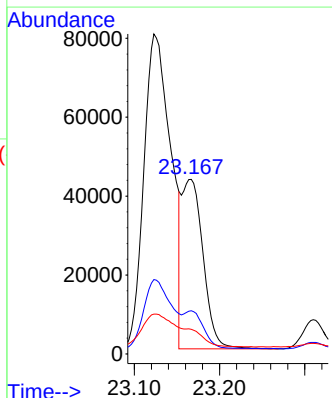
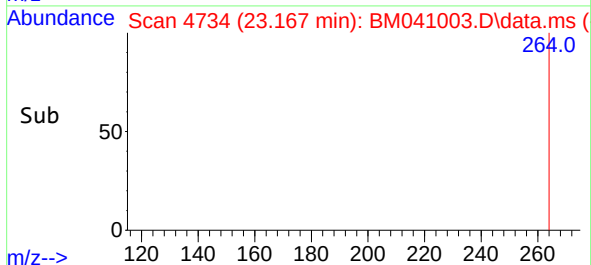
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023

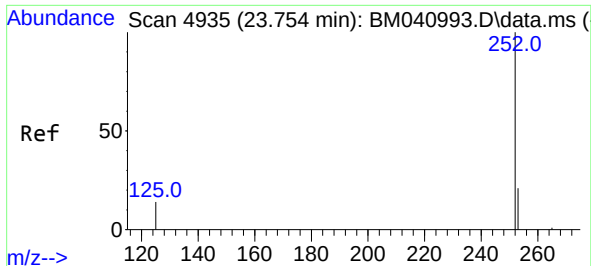


#25
Benzo(k)fluoranthene
Concen: 1.289 ng/ul m
RT: 23.167 min Scan# 4734
Delta R.T. -0.020 min
Lab File: BM041003.D
Acq: 21 Jul 2023 05:06



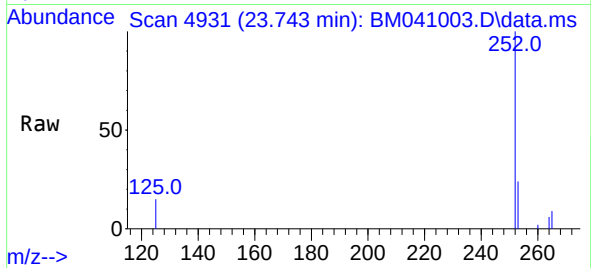
Tgt Ion:252 Resp: 75263
Ion Ratio Lower Upper
252 100
253 24.7 23.3 34.9
125 14.2 18.2 27.2#





#26
Benzo(a)pyrene
Concen: 1.537 ng/ul
RT: 23.743 min Scan# 4931
Delta R.T. -0.020 min
Lab File: BM041003.D
Acq: 21 Jul 2023 05:06

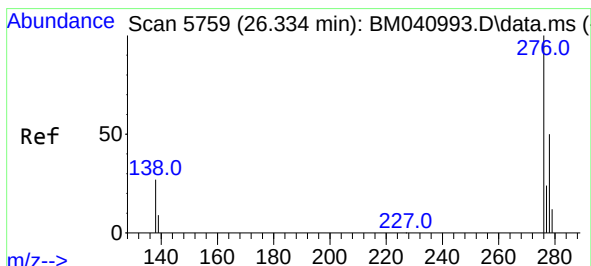
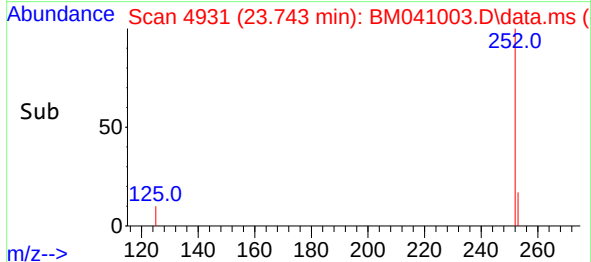
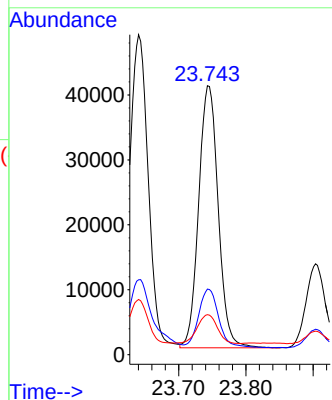
Instrument :
BNA_M
ClientSampleId :
A46W0



Tgt Ion:252 Resp: 81558
Ion Ratio Lower Upper
252 100
253 24.4 28.2 42.2#
125 14.9 25.2 37.8#

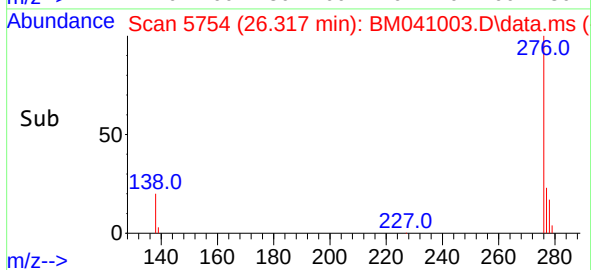
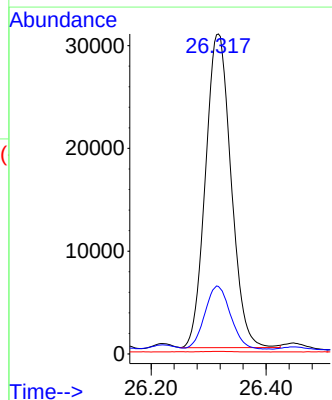
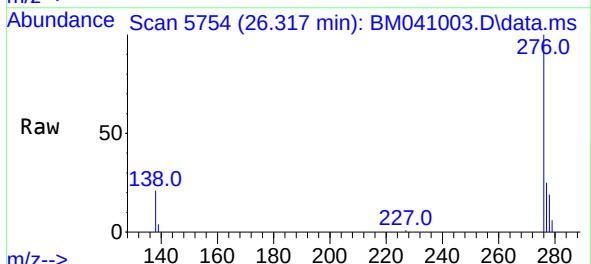
Manual Integrations
APPROVED

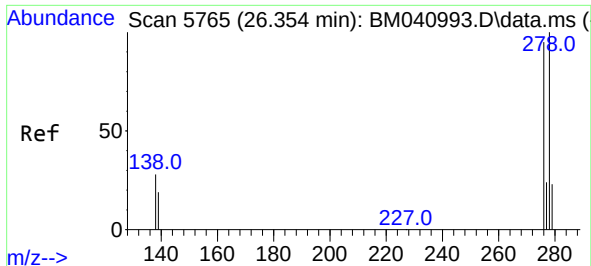
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.340 ng/ul
RT: 26.317 min Scan# 5754
Delta R.T. -0.033 min
Lab File: BM041003.D
Acq: 21 Jul 2023 05:06

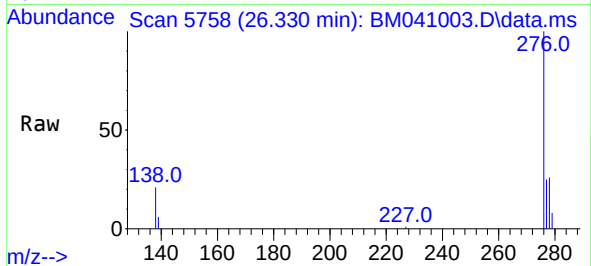
Tgt Ion:276 Resp: 94345
Ion Ratio Lower Upper
276 100
138 20.4 22.3 33.5#
227 0.2 0.0 0.0#





#28
Dibenzo(a,h)anthracene
Concen: 0.429 ng/ul
RT: 26.330 min Scan# 51
Delta R.T. -0.037 min
Lab File: BM041003.D
Acq: 21 Jul 2023 05:06

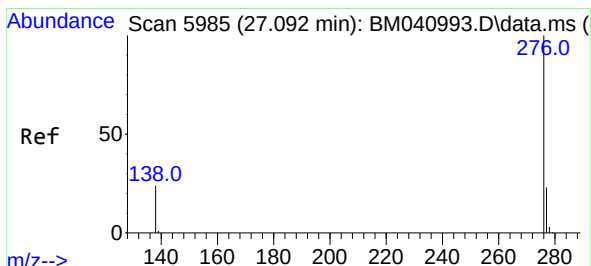
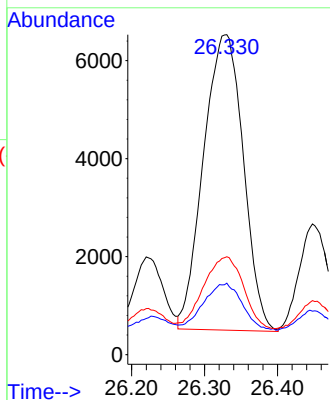
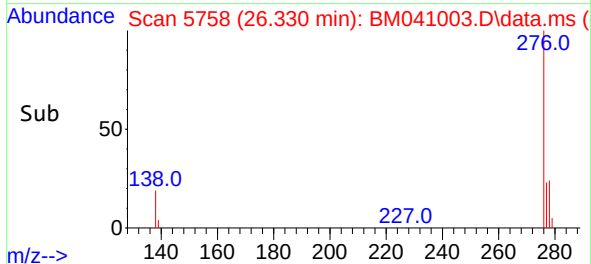
Instrument :
BNA_M
ClientSampleId :
A46W0



Tgt Ion:278 Resp: 22849
Ion Ratio Lower Upper
278 100
139 22.3 19.2 28.8
279 30.6 27.0 40.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023



#29
Benzo(g,h,i)perylene
Concen: 1.418 ng/ul
RT: 27.078 min Scan# 5981
Delta R.T. -0.023 min
Lab File: BM041003.D
Acq: 21 Jul 2023 05:06

Tgt Ion:276 Resp: 92248
Ion Ratio Lower Upper
276 100
138 21.7 22.6 34.0#
277 24.2 21.2 31.8

