

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
 Data File : BM041019.D
 Acq On : 21 Jul 2023 15:37
 Operator : MA/JU
 Sample : 03472-35
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A46S5

Manual Integrations
 APPROVED

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

Quant Time: Jul 21 16:41:05 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 16:33:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	3891	0.400	ng/ul	0.00
4) Naphthalene-d8	10.669	136	14148	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.518	164	7702	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.270	188	17391	0.400	ng/ul	0.00
17) Chrysene-d12	21.466	240	12948	0.400	ng/ul	0.00
23) Perylene-d12	23.857	264	11298	0.400	ng/ul #	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.280	96	5225	0.817	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.264	152	4886	0.259	ng/ul	0.00
18) Fluoranthene-d10	19.301	212	10666	0.196	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.719	128	6839	0.177	ng/ul	97
7) 2-Methylnaphthalene	12.335	142	901	0.042	ng/ul	99
8) 1-Methylnaphthalene	12.555	142	668	0.030	ng/ul	84
10) Acenaphthylene	14.236	152	5110	0.158	ng/ul	94
11) Acenaphthene	14.578	153	2318	0.082	ng/ul	99
12) Fluorene	15.568	166	3796	0.129	ng/ul#	97
15) Phenanthrene	17.312	178	83728	1.611	ng/ul	98
16) Anthracene	17.405	178	5848	0.144	ng/ul#	95
19) Fluoranthene	19.334	202	151754	2.270	ng/ul#	93
20) Pyrene	19.696	202	102629	1.503	ng/ul	94
21) Benzo(a)anthracene	21.448	228	52964	1.343	ng/ul	99
22) Chrysene	21.501	228	66971	1.485	ng/ul	99
24) Benzo(b)fluoranthene	23.129	252	85854	1.980	ng/ul	87
25) Benzo(k)fluoranthene	23.173	252	34335m	0.833	ng/ul	
26) Benzo(a)pyrene	23.752	252	11652	0.311	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	26.327	276	31413	0.632	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.334	278	9460	0.252	ng/ul	99
29) Benzo(g,h,i)perylene	27.088	276	2653	0.058	ng/ul#	75

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

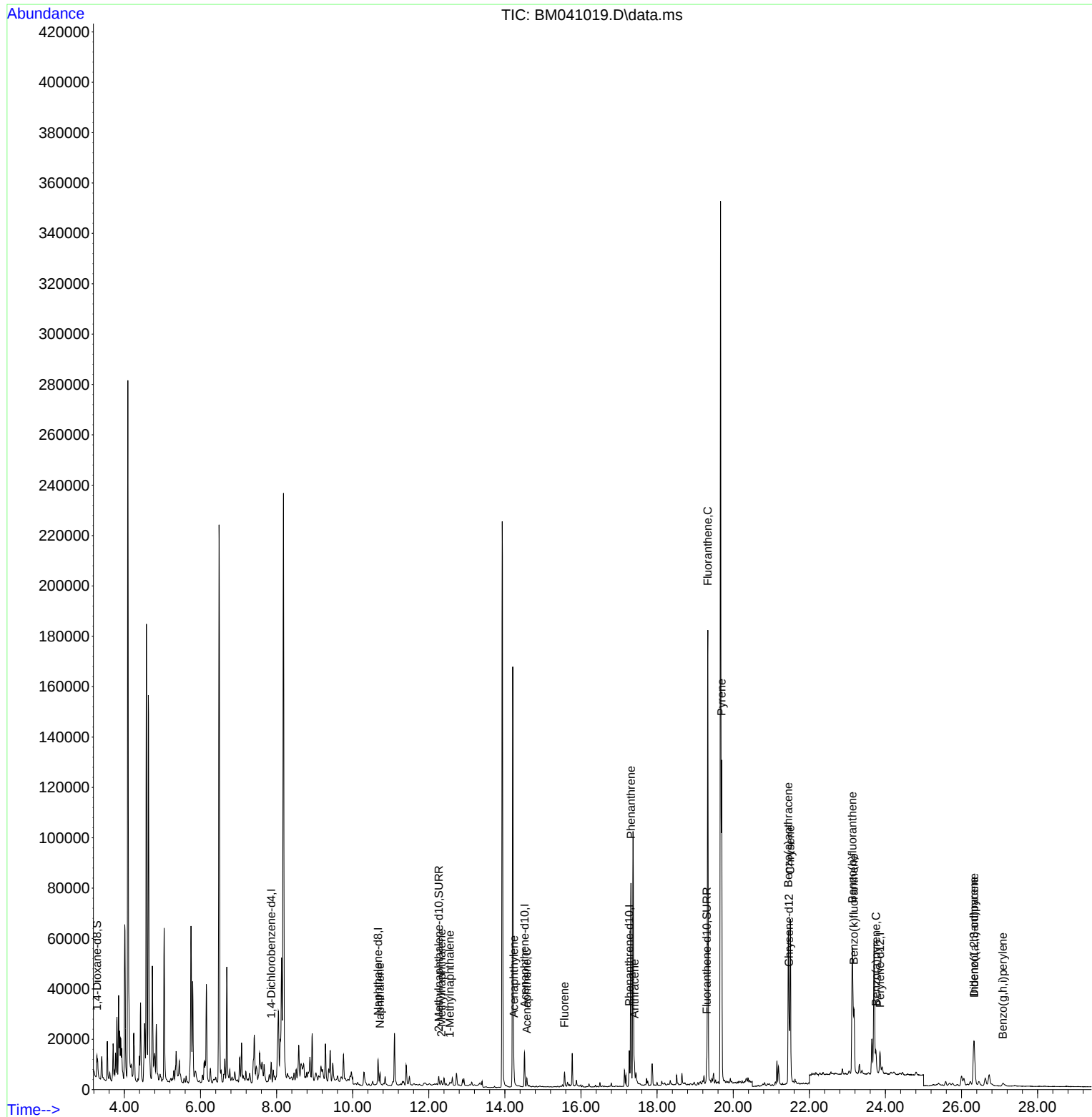
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
Data File : BM041019.D
Acq On : 21 Jul 2023 15:37
Operator : MA/JU
Sample : 03472-35
Misc :
ALS Vial : 8 Sample Multiplier: 1

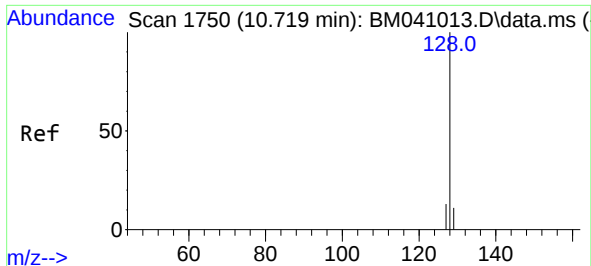
Instrument :
BNA_M
ClientSampleId :
A46S5

Manual Integrations
APPROVED

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

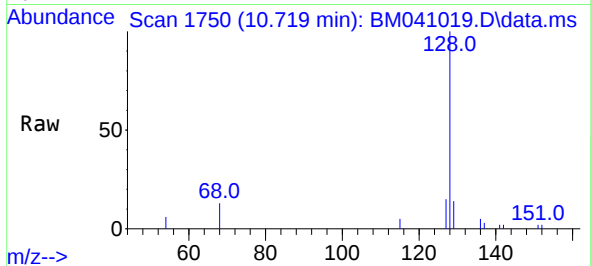
Quant Time: Jul 21 16:41:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 21 16:33:57 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.177 ng/ul
RT: 10.719 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BM041019.D
Acq: 21 Jul 2023 15:37

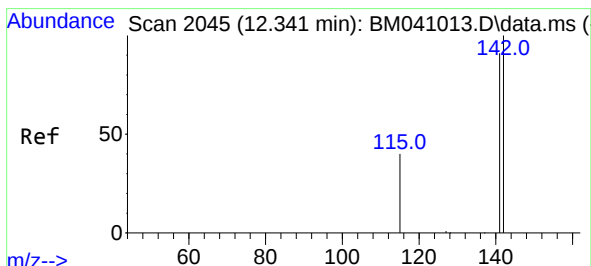
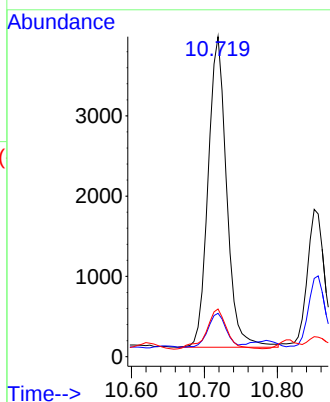
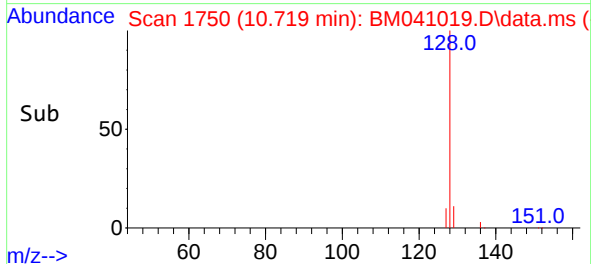
Instrument :
BNA_M
ClientSampleId :
A46S5



Tgt Ion:128 Resp: 6839
Ion Ratio Lower Upper
128 100
129 13.5 9.8 14.8
127 14.9 11.0 16.4

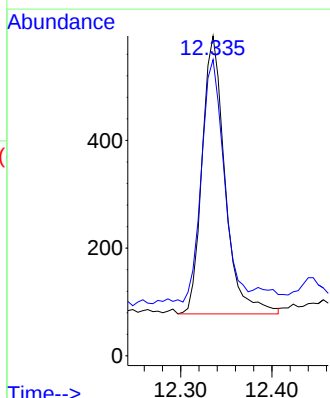
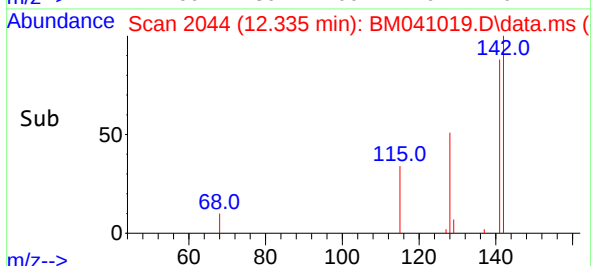
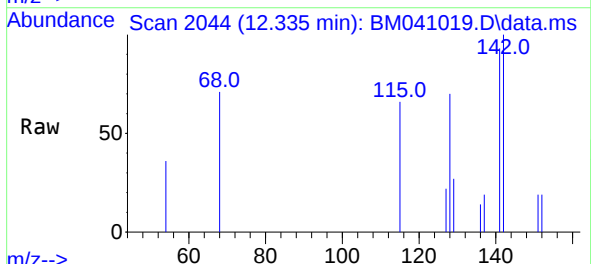
Manual Integrations
APPROVED

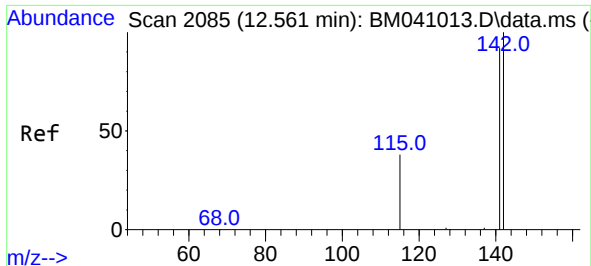
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#7
2-Methylnaphthalene
Concen: 0.042 ng/ul
RT: 12.335 min Scan# 2044
Delta R.T. -0.006 min
Lab File: BM041019.D
Acq: 21 Jul 2023 15:37

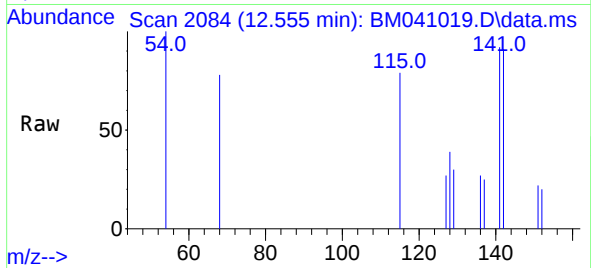
Tgt Ion:142 Resp: 901
Ion Ratio Lower Upper
142 100
141 90.7 73.2 109.8





#8
1-Methylnaphthalene
Concen: 0.030 ng/ul
RT: 12.555 min Scan# 2084
Delta R.T. -0.006 min
Lab File: BM041019.D
Acq: 21 Jul 2023 15:37

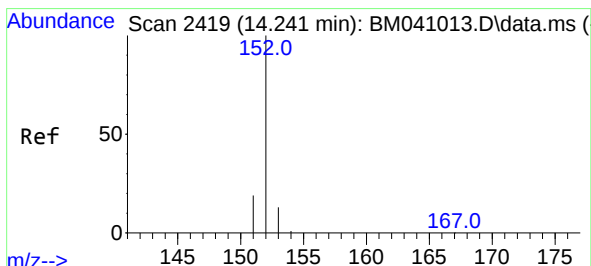
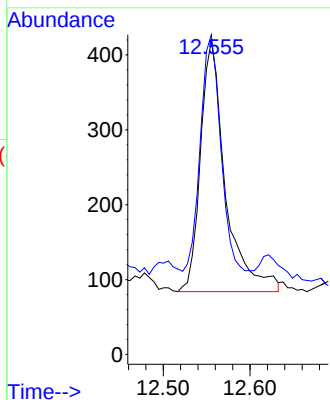
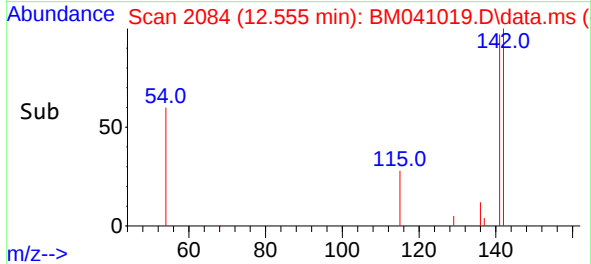
Instrument :
BNA_M
ClientSampleId :
A46S5



Tgt Ion:142 Resp: 668
Ion Ratio Lower Upper
142 100
141 76.5 73.4 110.2

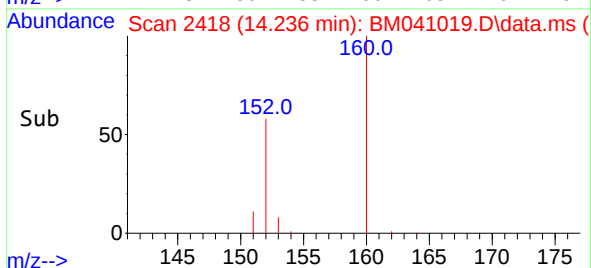
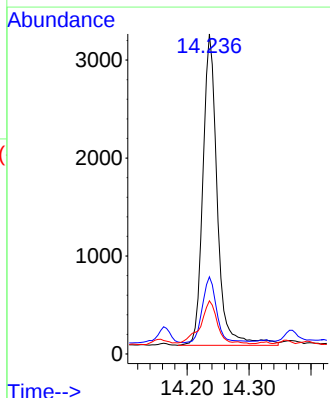
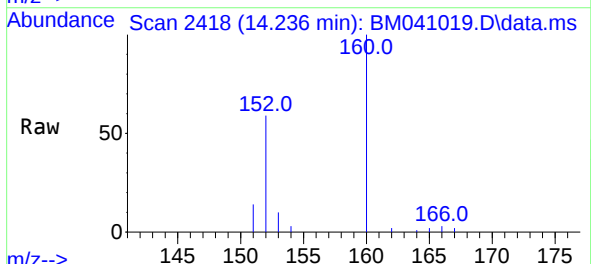
Manual Integrations
APPROVED

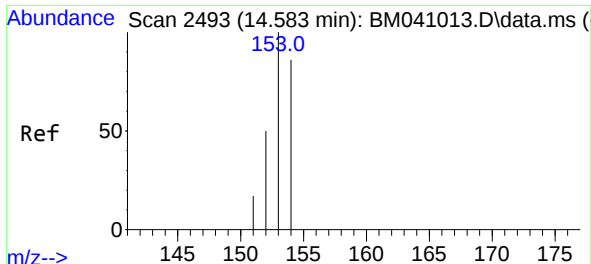
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#10
Acenaphthylene
Concen: 0.158 ng/ul
RT: 14.236 min Scan# 2418
Delta R.T. -0.005 min
Lab File: BM041019.D
Acq: 21 Jul 2023 15:37

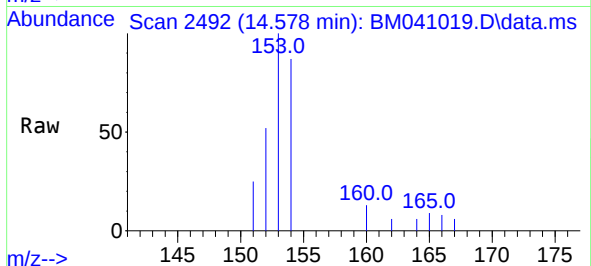
Tgt Ion:152 Resp: 5110
Ion Ratio Lower Upper
152 100
151 24.1 16.8 25.2
153 16.6 11.6 17.4





#11
Acenaphthene
Concen: 0.082 ng/u1
RT: 14.578 min Scan# 2492
Delta R.T. -0.005 min
Lab File: BM041019.D
Acq: 21 Jul 2023 15:37

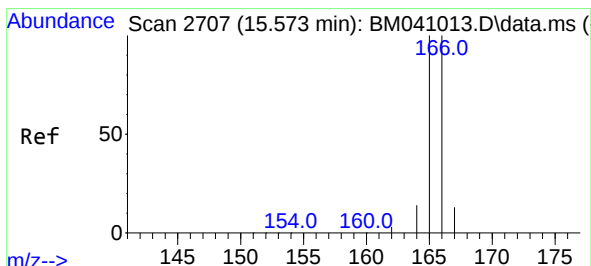
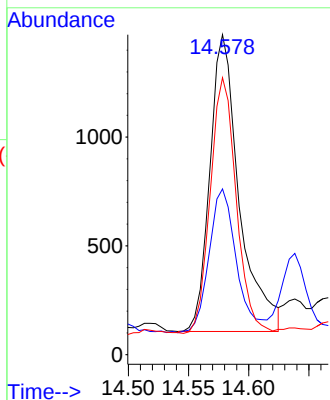
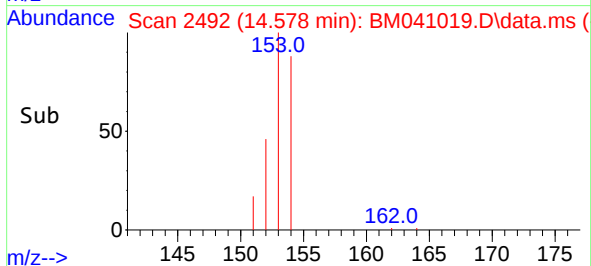
Instrument :
BNA_M
ClientSampleId :
A46S5



Tgt Ion:153 Resp: 2318
Ion Ratio Lower Upper
153 100
152 51.8 41.0 61.6
154 86.5 68.2 102.2

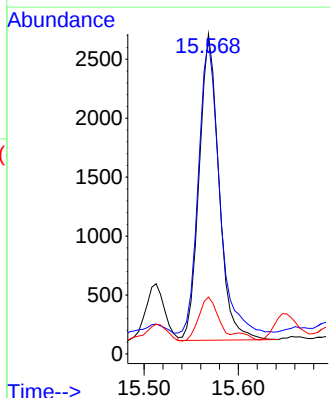
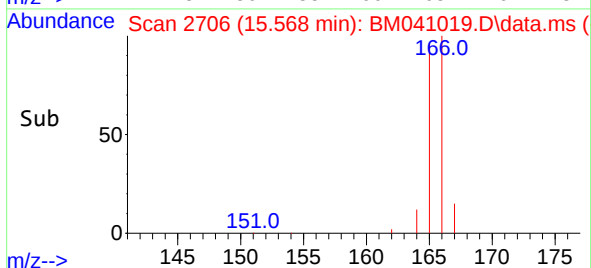
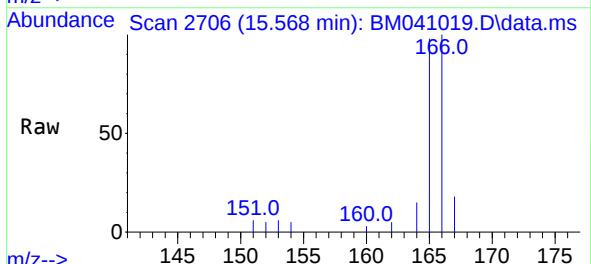
Manual Integrations
APPROVED

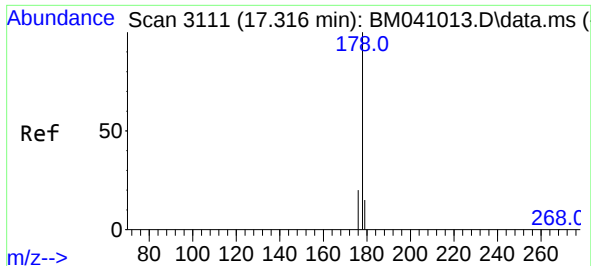
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#12
Fluorene
Concen: 0.129 ng/u1
RT: 15.568 min Scan# 2706
Delta R.T. -0.005 min
Lab File: BM041019.D
Acq: 21 Jul 2023 15:37

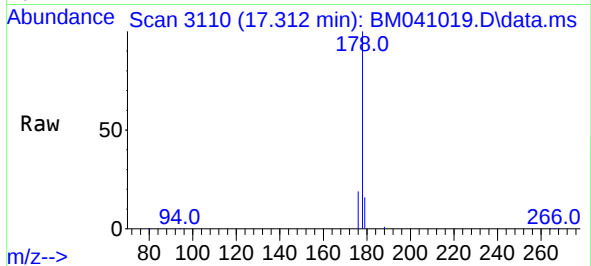
Tgt Ion:166 Resp: 3796
Ion Ratio Lower Upper
166 100
165 98.1 80.3 120.5
167 17.8 11.7 17.5#





#15
Phenanthrene
Concen: 1.611 ng/u1
RT: 17.312 min Scan# 3111
Delta R.T. -0.004 min
Lab File: BM041019.D
Acq: 21 Jul 2023 15:37

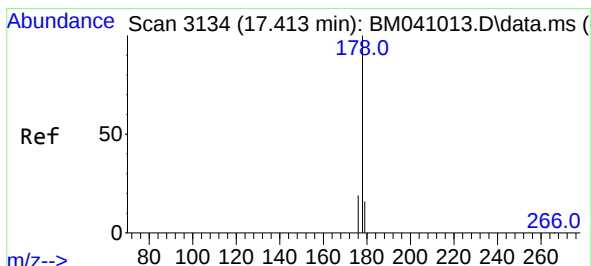
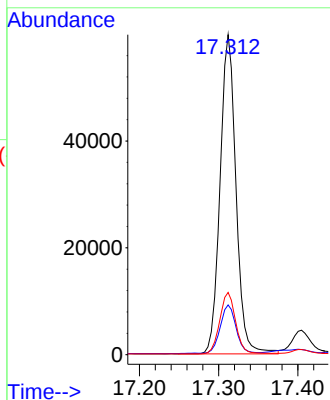
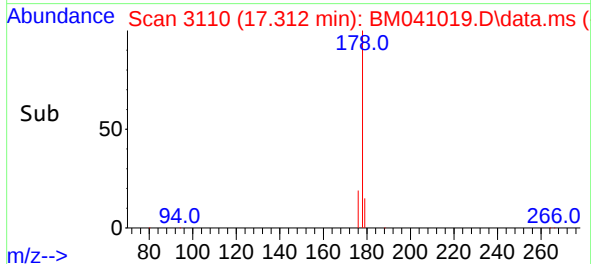
Instrument :
BNA_M
ClientSampleId :
A46S5



Tgt Ion:178 Resp: 83728
Ion Ratio Lower Upper
178 100
179 15.6 13.0 19.6
176 19.4 16.2 24.4

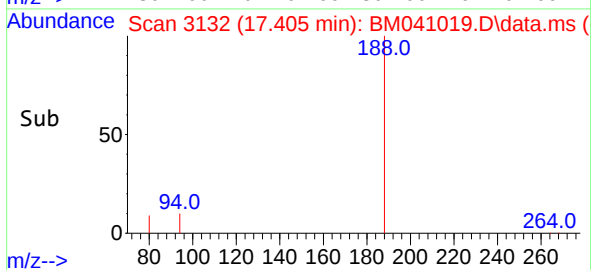
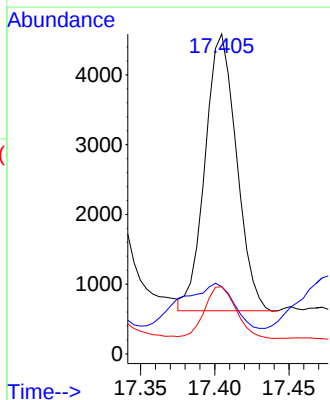
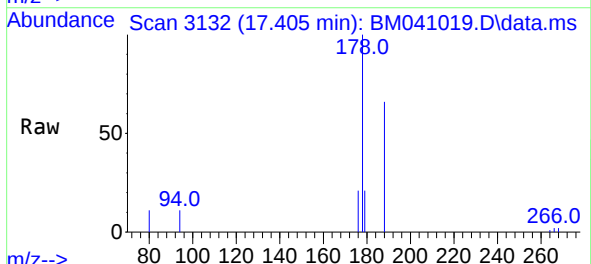
Manual Integrations
APPROVED

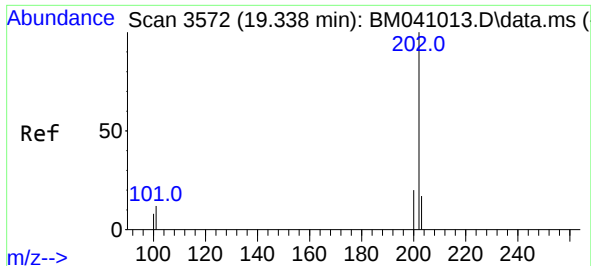
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#16
Anthracene
Concen: 0.144 ng/u1
RT: 17.405 min Scan# 3132
Delta R.T. -0.008 min
Lab File: BM041019.D
Acq: 21 Jul 2023 15:37

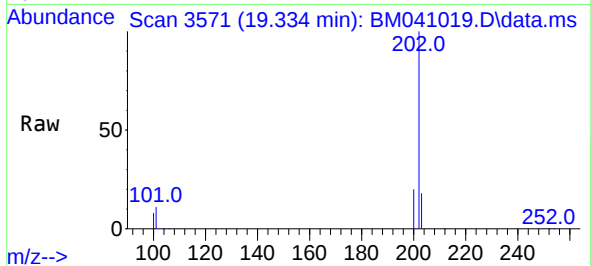
Tgt Ion:178 Resp: 5848
Ion Ratio Lower Upper
178 100
179 21.0 13.7 20.5#
176 21.0 16.4 24.6





#19
Fluoranthene
Concen: 2.270 ng/u1
RT: 19.334 min Scan# 3572
Delta R.T. -0.005 min
Lab File: BM041019.D
Acq: 21 Jul 2023 15:37

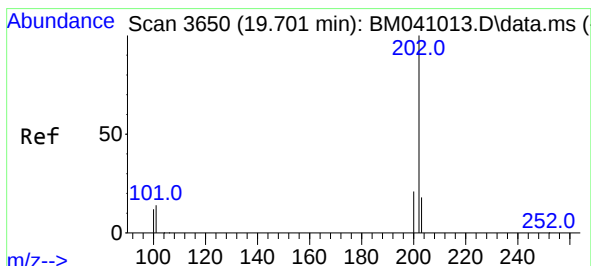
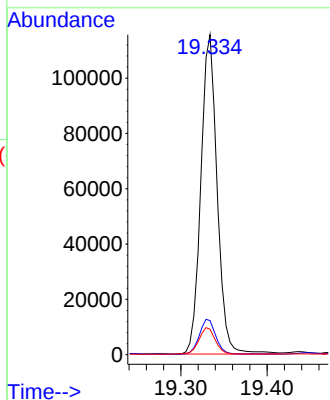
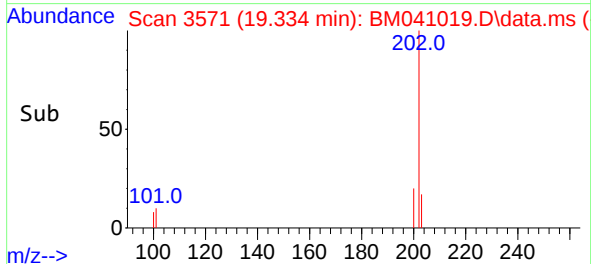
Instrument :
BNA_M
ClientSampleId :
A46S5



Tgt Ion:202 Resp: 151754
Ion Ratio Lower Upper
202 100
101 10.7 11.0 16.4
100 8.0 8.3 12.5

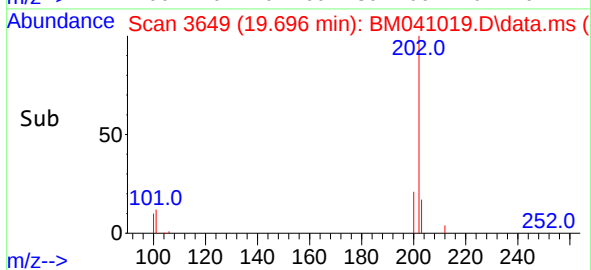
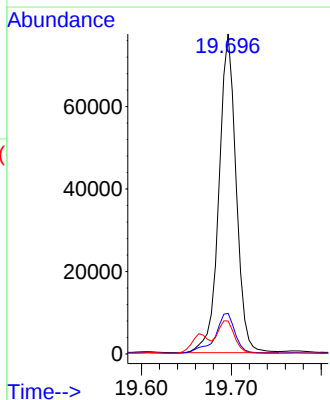
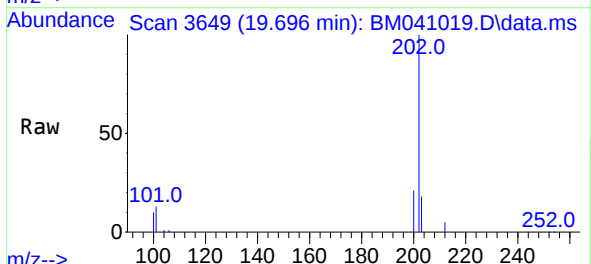
Manual Integrations
APPROVED

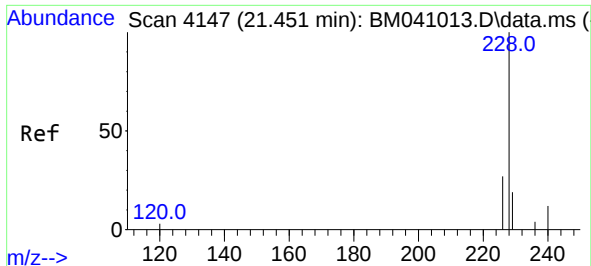
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#20
Pyrene
Concen: 1.503 ng/u1
RT: 19.696 min Scan# 3649
Delta R.T. -0.005 min
Lab File: BM041019.D
Acq: 21 Jul 2023 15:37

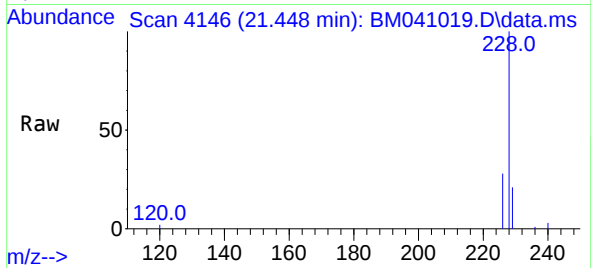
Tgt Ion:202 Resp: 102629
Ion Ratio Lower Upper
202 100
101 12.7 12.5 18.7
100 10.3 10.0 15.0





#21
Benzo(a)anthracene
Concen: 1.343 ng/ul
RT: 21.448 min Scan# 4146
Delta R.T. -0.003 min
Lab File: BM041019.D
Acq: 21 Jul 2023 15:37

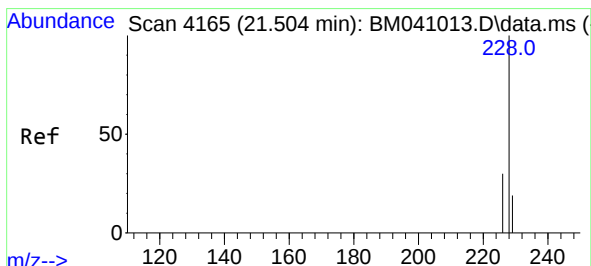
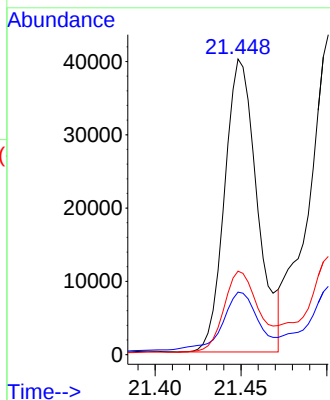
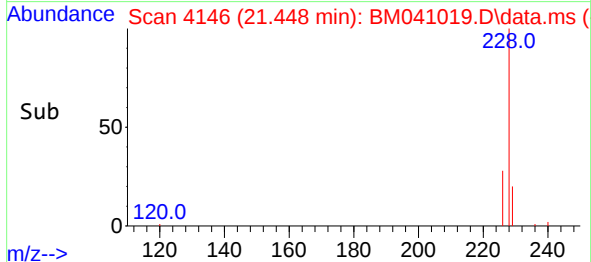
Instrument :
BNA_M
ClientSampleId :
A46S5



Tgt Ion:228 Resp: 52964
Ion Ratio Lower Upper
228 100
229 21.2 16.2 24.4
226 28.3 22.3 33.5

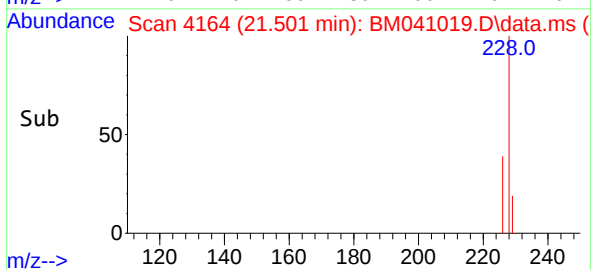
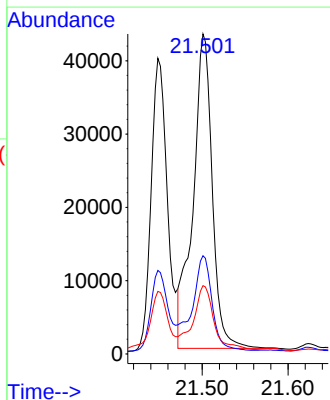
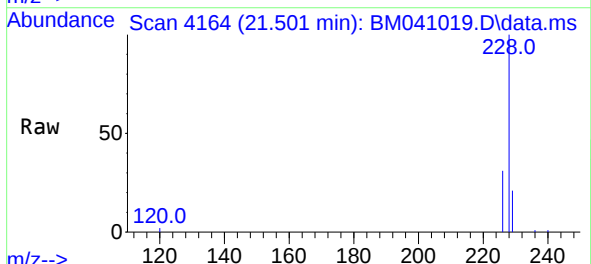
Manual Integrations
APPROVED

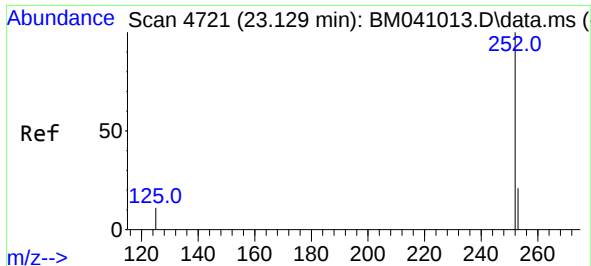
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#22
Chrysene
Concen: 1.485 ng/ul
RT: 21.501 min Scan# 4164
Delta R.T. -0.003 min
Lab File: BM041019.D
Acq: 21 Jul 2023 15:37

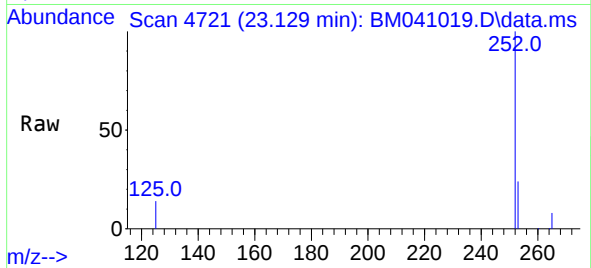
Tgt Ion:228 Resp: 66971
Ion Ratio Lower Upper
228 100
226 30.7 24.6 37.0
229 21.3 16.1 24.1





#24
Benzo(b)fluoranthene
Concen: 1.980 ng/ul
RT: 23.129 min Scan# 41
Delta R.T. -0.000 min
Lab File: BM041019.D
Acq: 21 Jul 2023 15:37

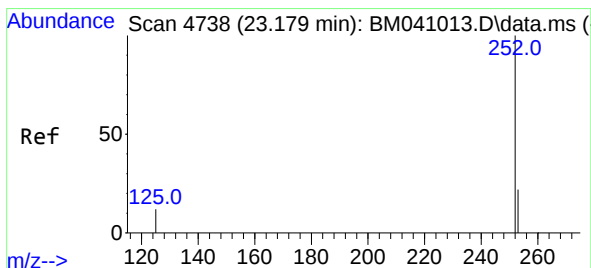
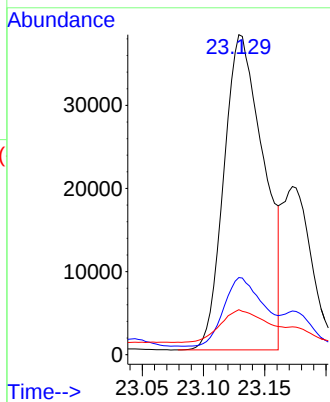
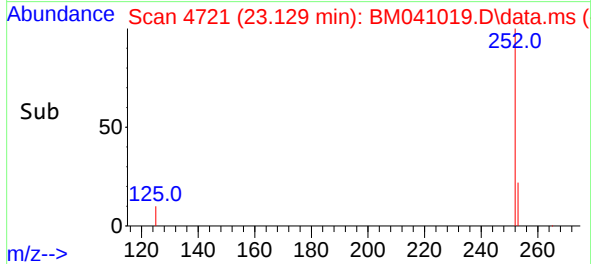
Instrument :
BNA_M
ClientSampleId :
A46S5



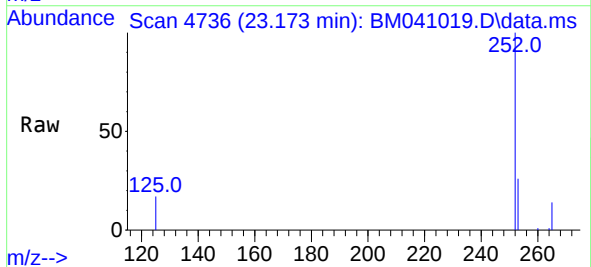
Tgt Ion:252 Resp: 85854
Ion Ratio Lower Upper
252 100
253 24.1 0.0 57.4
125 14.1 0.0 45.2

Manual Integrations
APPROVED

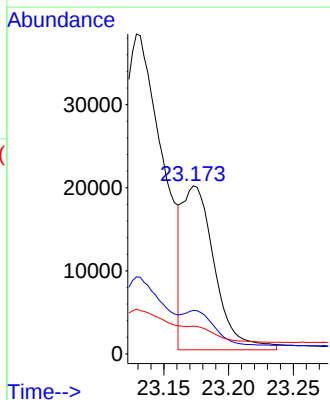
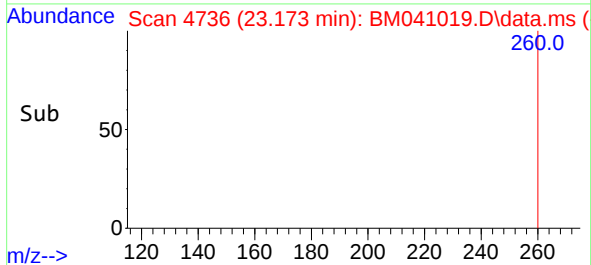
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

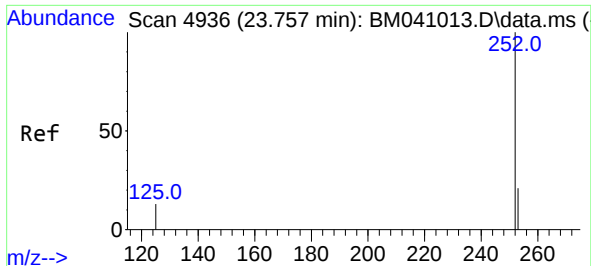


#25
Benzo(k)fluoranthene
Concen: 0.833 ng/ul m
RT: 23.173 min Scan# 4736
Delta R.T. -0.006 min
Lab File: BM041019.D
Acq: 21 Jul 2023 15:37



Tgt Ion:252 Resp: 34335
Ion Ratio Lower Upper
252 100
253 25.9 23.3 34.9
125 16.6 18.2 27.2#





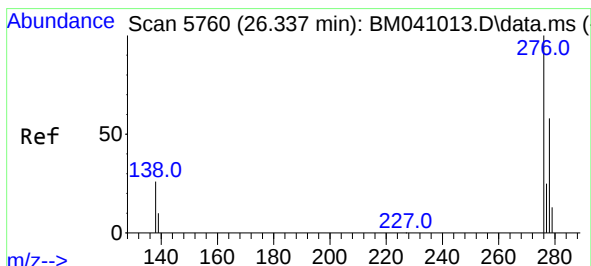
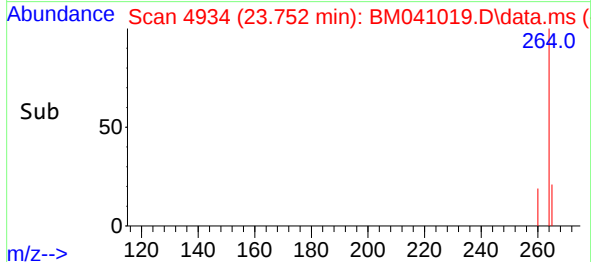
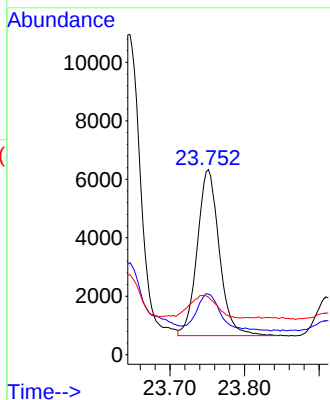
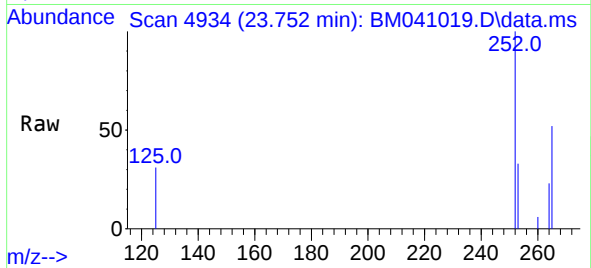
#26
Benzo(a)pyrene
Concen: 0.311 ng/ul
RT: 23.752 min Scan# 4936
Delta R.T. -0.006 min
Lab File: BM041019.D
Acq: 21 Jul 2023 15:37

Instrument :
BNA_M
ClientSampleId :
A46S5

Tgt Ion:252 Resp: 11652
Ion Ratio Lower Upper
252 100
253 32.6 28.2 42.2
125 31.1 25.2 37.8

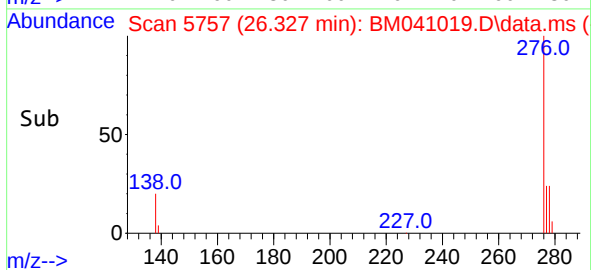
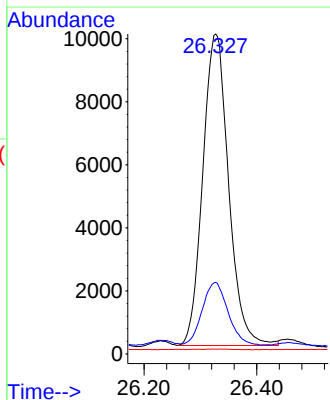
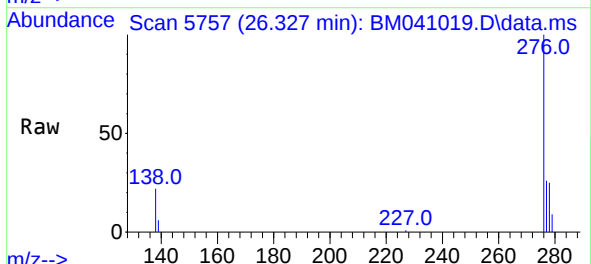
Manual Integrations
APPROVED

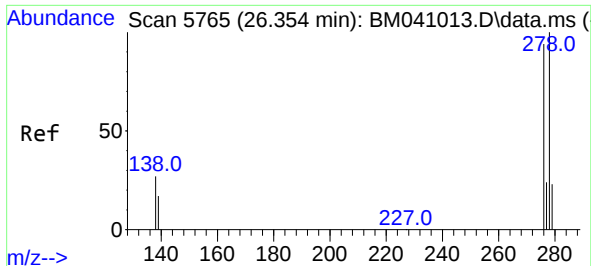
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.632 ng/ul
RT: 26.327 min Scan# 5757
Delta R.T. -0.010 min
Lab File: BM041019.D
Acq: 21 Jul 2023 15:37

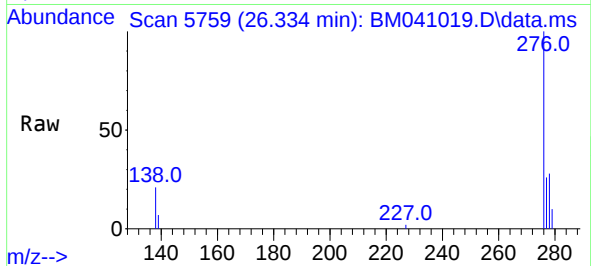
Tgt Ion:276 Resp: 31413
Ion Ratio Lower Upper
276 100
138 20.5 22.3 33.5#
227 0.0 0.0 0.0#





#28
Dibenzo(a,h)anthracene
Concen: 0.252 ng/ul
RT: 26.334 min Scan# 51
Delta R.T. -0.020 min
Lab File: BM041019.D
Acq: 21 Jul 2023 15:37

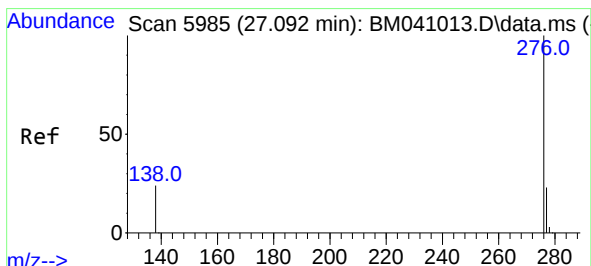
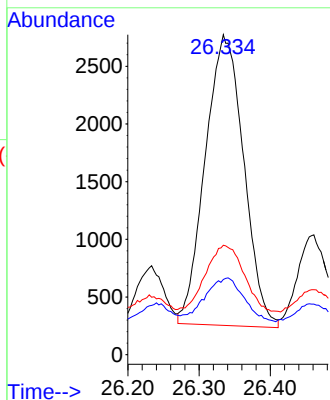
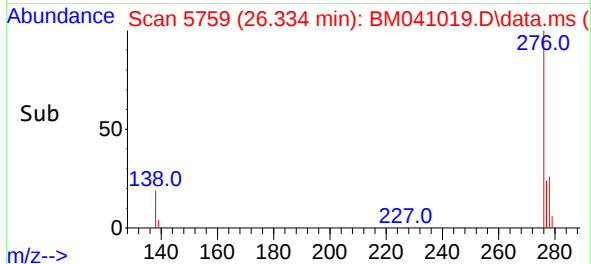
Instrument :
BNA_M
ClientSampleId :
A46S5



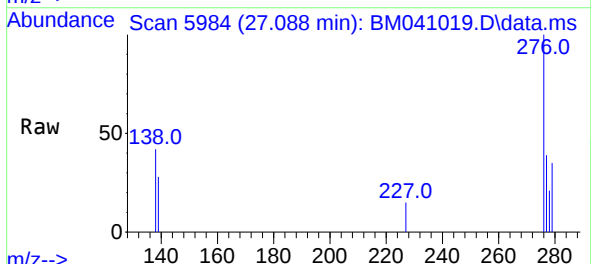
Tgt Ion:278 Resp: 9460
Ion Ratio Lower Upper
278 100
139 23.5 19.2 28.8
279 34.2 27.0 40.6

Manual Integrations
APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 0.058 ng/ul
RT: 27.088 min Scan# 5984
Delta R.T. -0.003 min
Lab File: BM041019.D
Acq: 21 Jul 2023 15:37



Tgt Ion:276 Resp: 2653
Ion Ratio Lower Upper
276 100
138 42.3 22.6 34.0#
277 38.7 21.2 31.8#

