

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
 Data File : BM041038.D
 Acq On : 22 Jul 2023 04:08
 Operator : MA/JU
 Sample : 03444-07RE
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A46Q1RE

Manual Integrations
 APPROVED

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

Quant Time: Jul 22 04:44:47 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	7.857	152	3756	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.664	136	13045	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.513	164	7667	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.270	188	27016	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.460	240	13537	0.400	ng/ul	0.00
23) Perylene-d12	23.848	264	16641	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.275	96	36770	5.954	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.258	152	7898	0.454	ng/ul	-0.01
18) Fluoranthene-d10	19.301	212	18320	0.322	ng/ul	0.00
Target Compounds					Qvalue	
5) Naphthalene	10.713	128	5425	0.152	ng/ul#	95
7) 2-Methylnaphthalene	12.335	142	2064	0.105	ng/ul	98
8) 1-Methylnaphthalene	12.555	142	1230	0.059	ng/ul	86
10) Acenaphthylene	14.231	152	5954	0.185	ng/ul#	90
11) Acenaphthene	14.574	153	3078m	0.109	ng/ul	
12) Fluorene	15.564	166	3570	0.122	ng/ul#	92
15) Phenanthrene	17.308	178	54304	0.673	ng/ul	99
16) Anthracene	17.400	178	9647	0.153	ng/ul#	94
19) Fluoranthene	19.329	202	110842	1.586	ng/ul	94
20) Pyrene	19.692	202	104000	1.457	ng/ul	96
21) Benzo(a)anthracene	21.442	228	46482	1.127	ng/ul	97
22) Chrysene	21.498	228	54645	1.159	ng/ul	97
24) Benzo(b)fluoranthene	23.123	252	64981	1.017	ng/ul	91
25) Benzo(k)fluoranthene	23.167	252	25475m	0.420	ng/ul	
26) Benzo(a)pyrene	23.743	252	48274	0.875	ng/ul#	79
27) Indeno(1,2,3-cd)pyrene	26.314	276	38714	0.529	ng/ul#	84
28) Dibenzo(a,h)anthracene	26.324	278	8754	0.158	ng/ul#	89
29) Benzo(g,h,i)perylene	27.075	276	40527	0.599	ng/ul	93

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

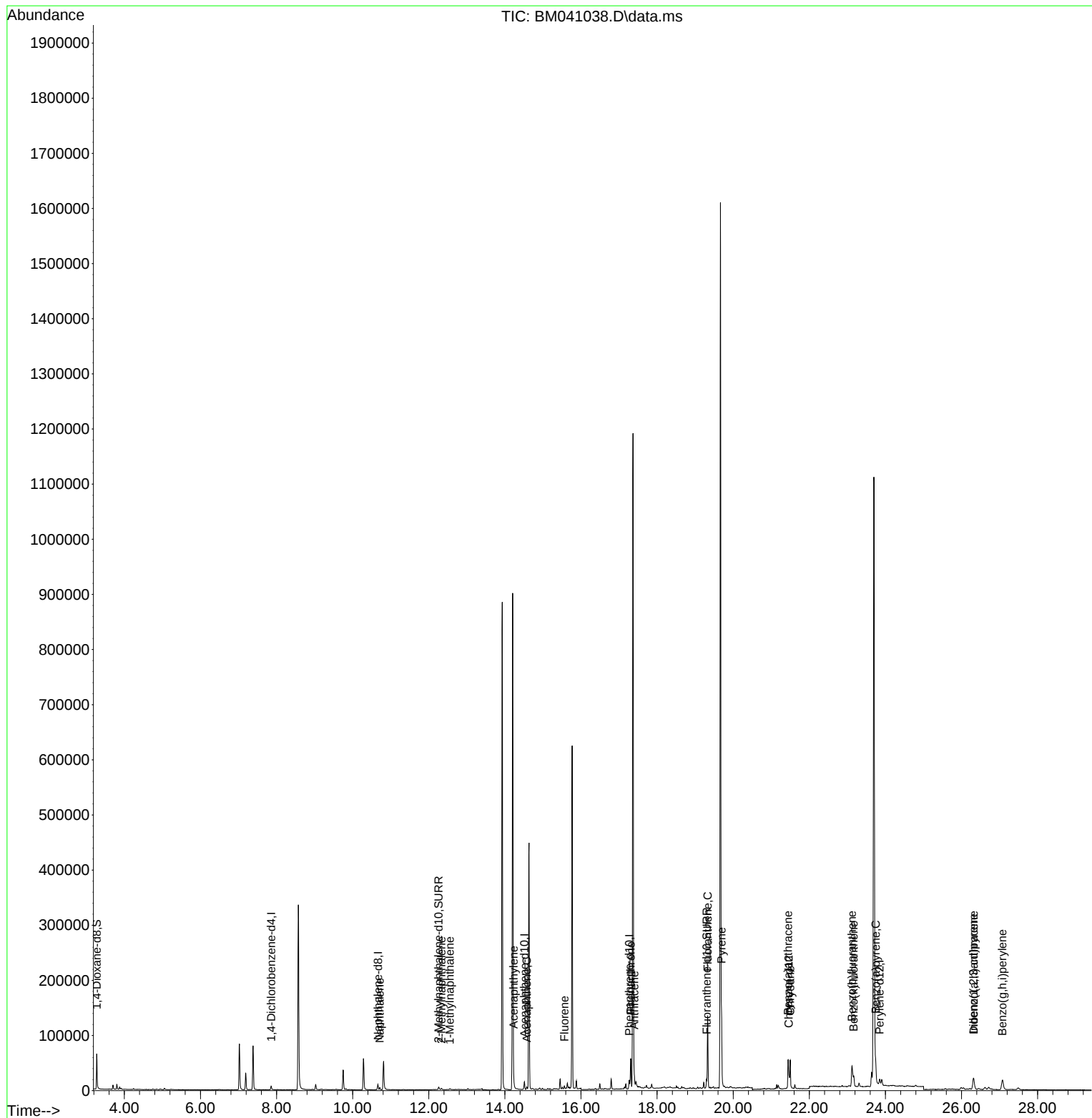
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
Data File : BM041038.D
Acq On : 22 Jul 2023 04:08
Operator : MA/JU
Sample : 03444-07RE
Misc :
ALS Vial : 27 Sample Multiplier: 1

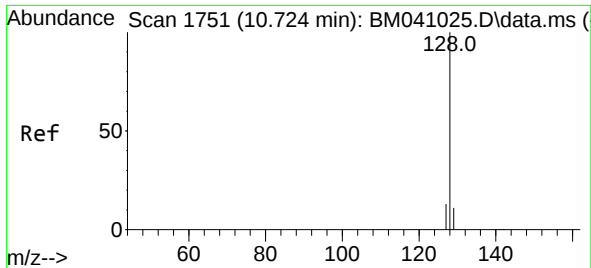
Instrument :
BNA_M
ClientSampleId :
A46Q1RE

Manual Integrations
APPROVED

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

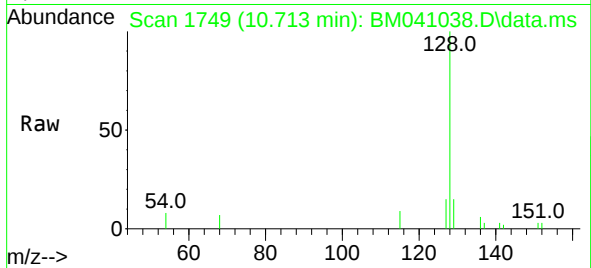
Quant Time: Jul 22 04:44:47 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 21 18:20:46 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.152 ng/ul
RT: 10.713 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BM041038.D
Acq: 22 Jul 2023 04:08

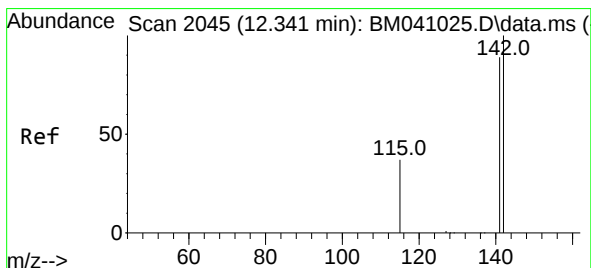
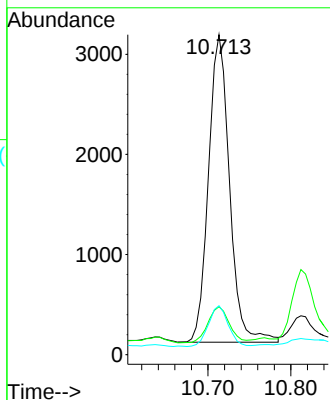
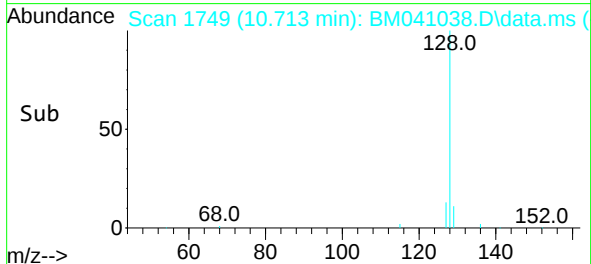
Instrument :
BNA_M
ClientSampleId :
A46Q1RE



Tgt Ion:128 Resp: 5429
Ion Ratio Lower Upper
128 100
129 15.0 9.8 14.8
127 15.3 11.0 16.4

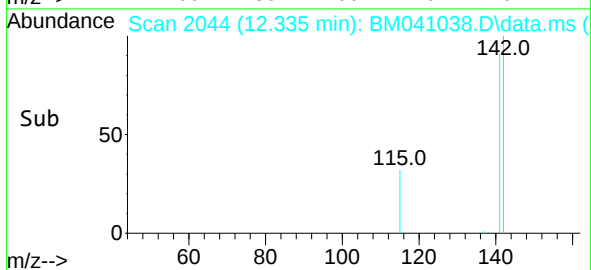
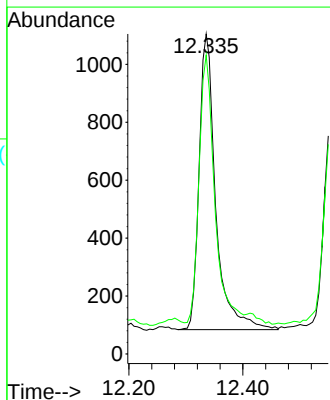
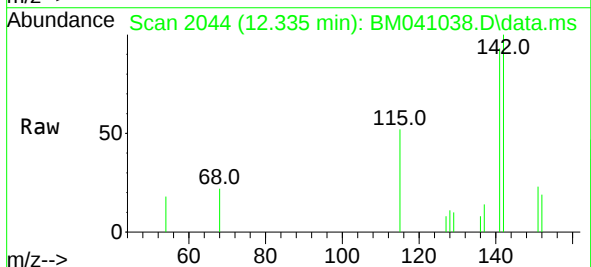
Manual Integrations
APPROVED

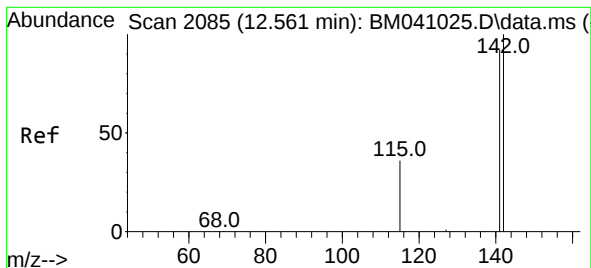
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#7
2-Methylnaphthalene
Concen: 0.105 ng/ul
RT: 12.335 min Scan# 2044
Delta R.T. -0.006 min
Lab File: BM041038.D
Acq: 22 Jul 2023 04:08

Tgt Ion:142 Resp: 2064
Ion Ratio Lower Upper
142 100
141 89.2 73.2 109.8





#8

1-Methylnaphthalene

Concen: 0.059 ng/ul

RT: 12.555 min Scan# 2084

Delta R.T. -0.005 min

Lab File: BM041038.D

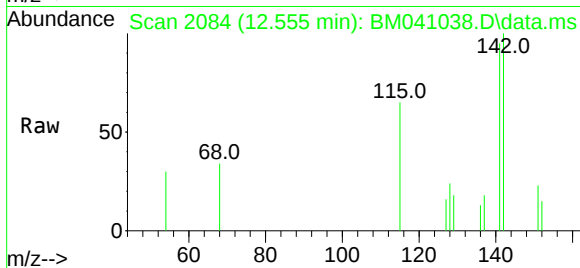
Acq: 22 Jul 2023 04:08

Instrument :

BNA_M

ClientSampleId :

A46Q1RE



Tgt Ion:142 Resp: 1230

Ion Ratio Lower Upper

142 100

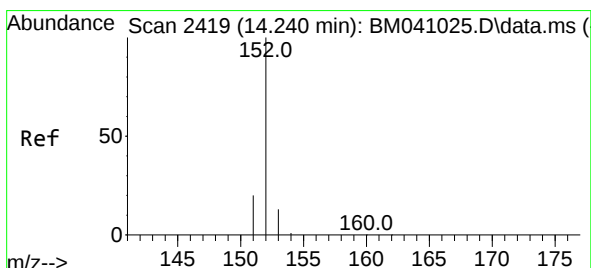
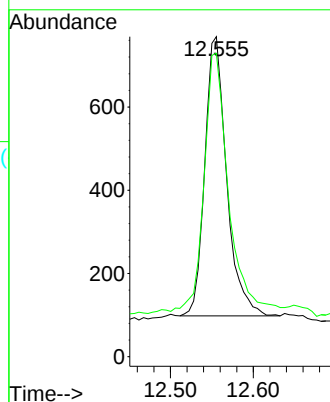
141 105.6 73.4 110.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/22/2023

Supervised By :mohammad ahmed 07/22/2023



#10

Acenaphthylene

Concen: 0.185 ng/ul

RT: 14.231 min Scan# 2417

Delta R.T. -0.009 min

Lab File: BM041038.D

Acq: 22 Jul 2023 04:08

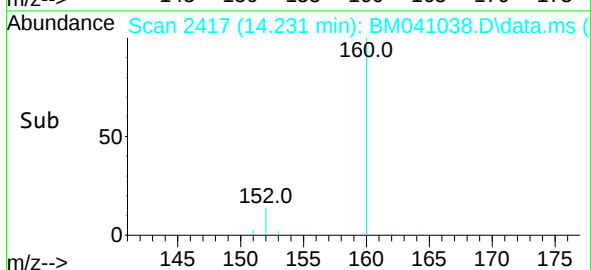
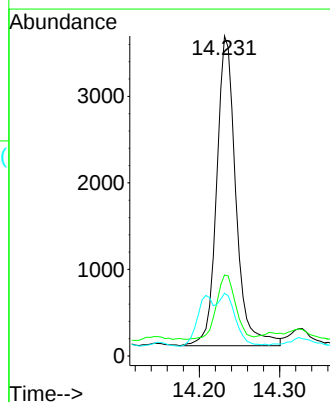
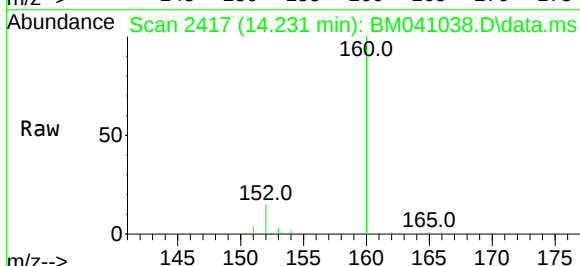
Tgt Ion:152 Resp: 5954

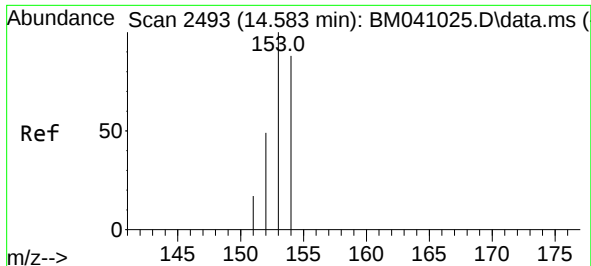
Ion Ratio Lower Upper

152 100

151 25.3 16.8 25.2#

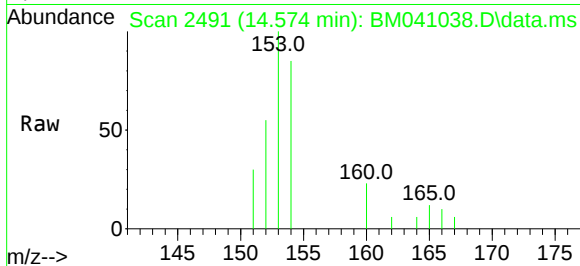
153 19.6 11.6 17.4#





#11
Acenaphthene
Concen: 0.109 ng/ul m
RT: 14.574 min Scan# 2491
Delta R.T. -0.009 min
Lab File: BM041038.D
Acq: 22 Jul 2023 04:08

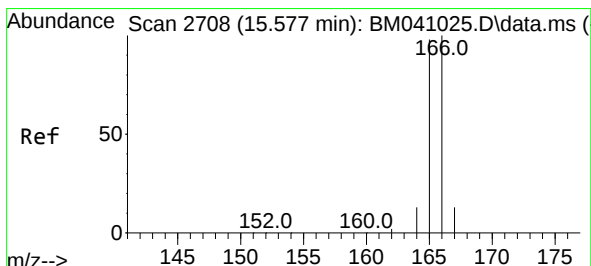
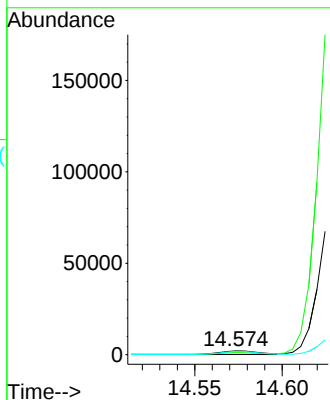
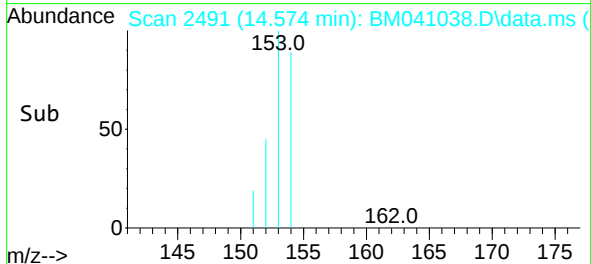
Instrument :
BNA_M
ClientSampleId :
A46Q1RE



Tgt Ion:153 Resp: 3078
Ion Ratio Lower Upper
153 100
152 55.1 41.0 61.6
154 85.1 68.2 102.2

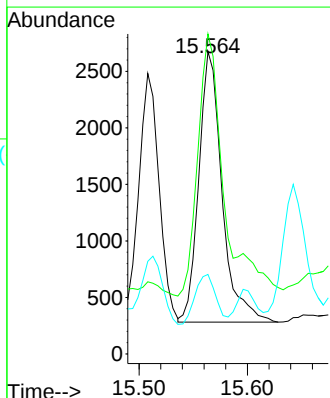
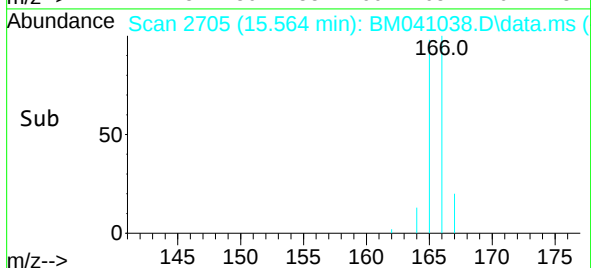
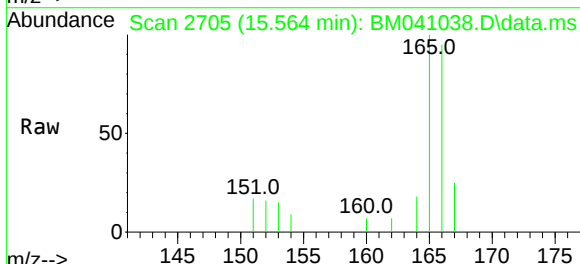
Manual Integrations
APPROVED

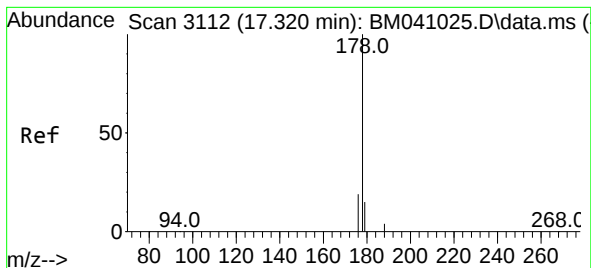
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#12
Fluorene
Concen: 0.122 ng/ul
RT: 15.564 min Scan# 2705
Delta R.T. -0.009 min
Lab File: BM041038.D
Acq: 22 Jul 2023 04:08

Tgt Ion:166 Resp: 3570
Ion Ratio Lower Upper
166 100
165 105.8 80.3 120.5
167 26.3 11.7 17.5#





#15

Phenanthrene

Concen: 0.673 ng/ul

RT: 17.308 min Scan# 3112

Delta R.T. -0.008 min

Lab File: BM041038.D

Acq: 22 Jul 2023 04:08

Instrument :

BNA_M

ClientSampleId :

A46Q1RE

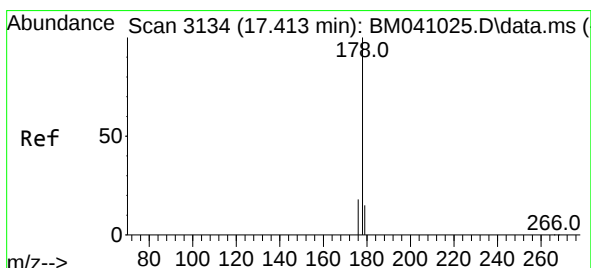
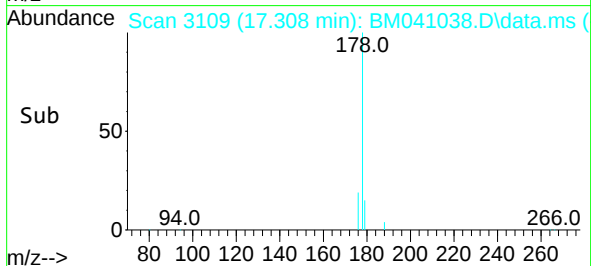
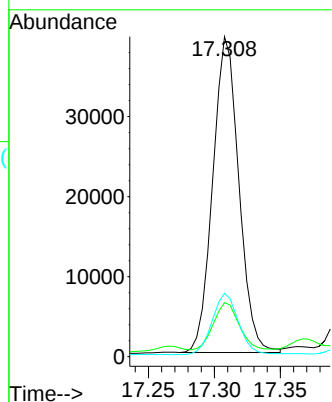
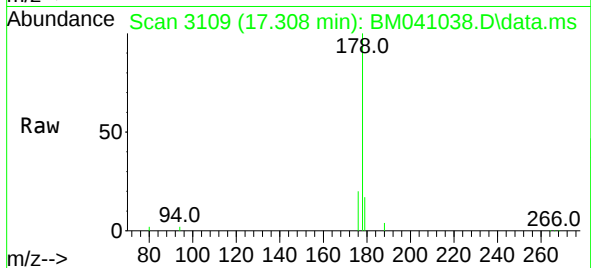
Tgt Ion:178	Resp:	54304
Ion Ratio	Lower	Upper
178	100	
179	16.9	13.0 19.6
176	19.8	16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/22/2023

Supervised By :mohammad ahmed 07/22/2023



#16

Anthracene

Concen: 0.153 ng/ul

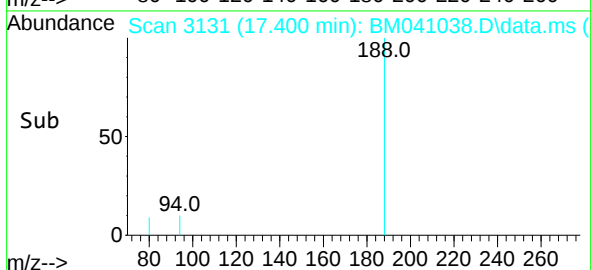
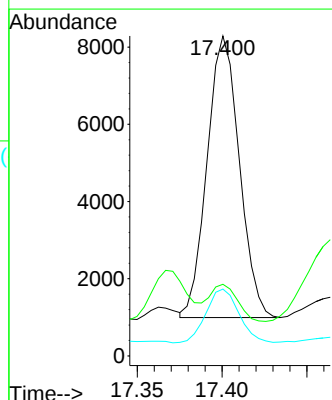
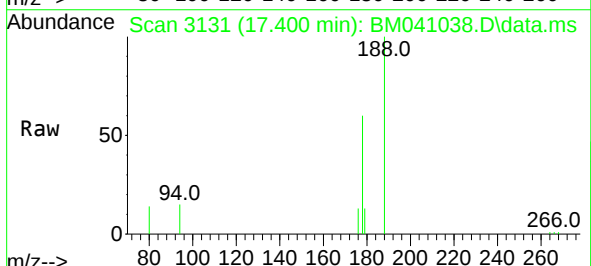
RT: 17.400 min Scan# 3131

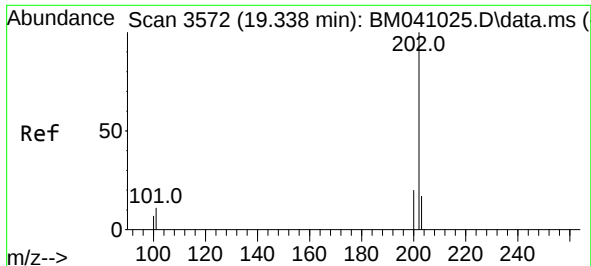
Delta R.T. -0.013 min

Lab File: BM041038.D

Acq: 22 Jul 2023 04:08

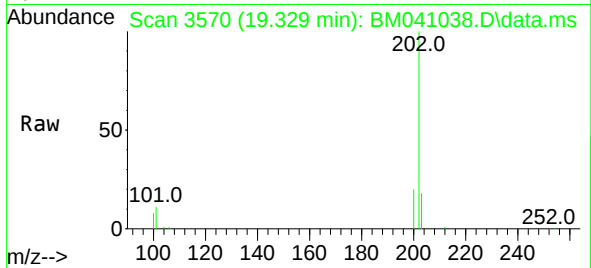
Tgt Ion:178	Resp:	9647
Ion Ratio	Lower	Upper
178	100	
179	22.4	13.7 20.5#
176	20.9	16.4 24.6





#19
Fluoranthene
Concen: 1.586 ng/ul
RT: 19.329 min Scan# 310
Delta R.T. -0.009 min
Lab File: BM041038.D
Acq: 22 Jul 2023 04:08

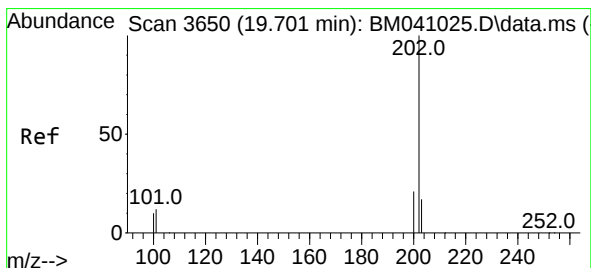
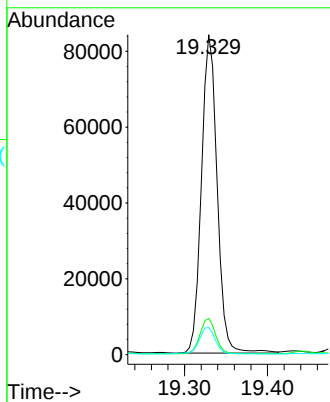
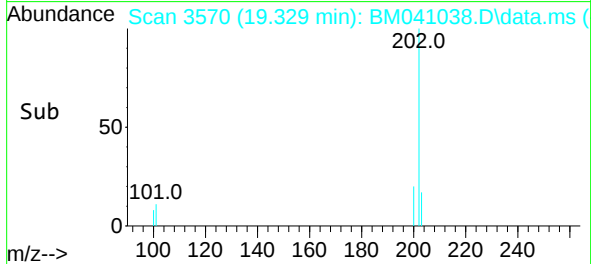
Instrument :
BNA_M
ClientSampleId :
A46Q1RE



Tgt Ion:202 Resp: 11084
Ion Ratio Lower Upper
202 100
101 11.3 11.0 16.4
100 8.5 8.3 12.5

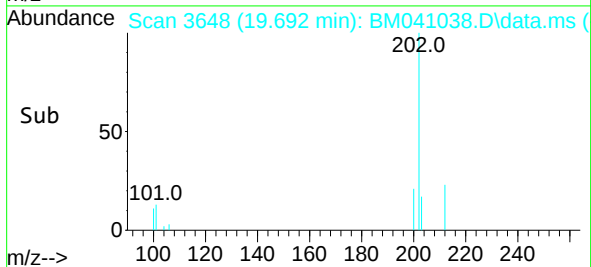
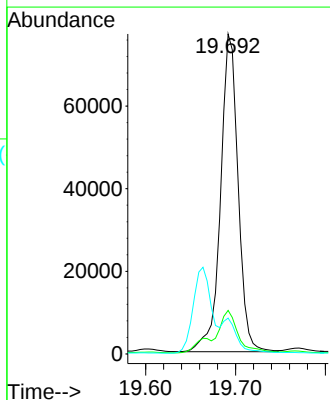
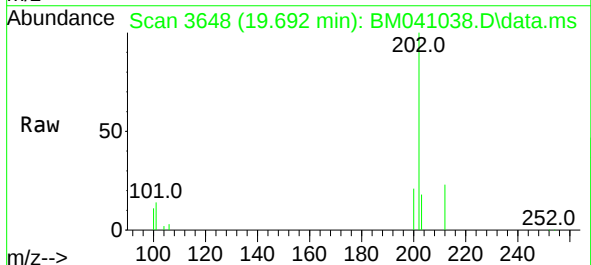
Manual Integrations
APPROVED

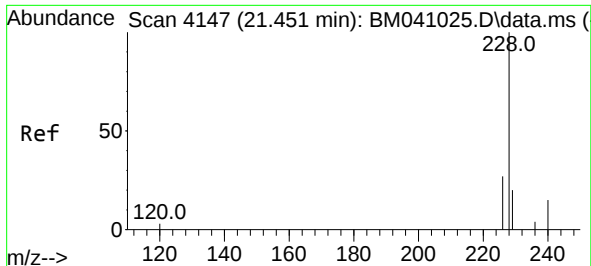
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#20
Pyrene
Concen: 1.457 ng/ul
RT: 19.692 min Scan# 3648
Delta R.T. -0.009 min
Lab File: BM041038.D
Acq: 22 Jul 2023 04:08

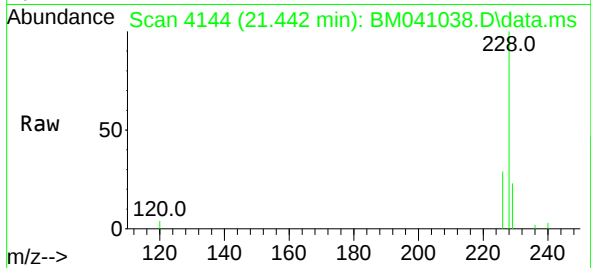
Tgt Ion:202 Resp: 104000
Ion Ratio Lower Upper
202 100
101 13.6 12.5 18.7
100 11.2 10.0 15.0





#21
Benzo(a)anthracene
Concen: 1.127 ng/ul
RT: 21.442 min Scan# 4147
Delta R.T. -0.009 min
Lab File: BM041038.D
Acq: 22 Jul 2023 04:08

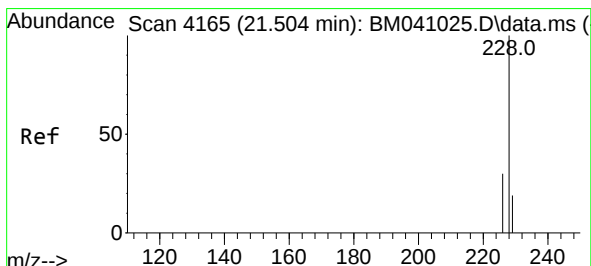
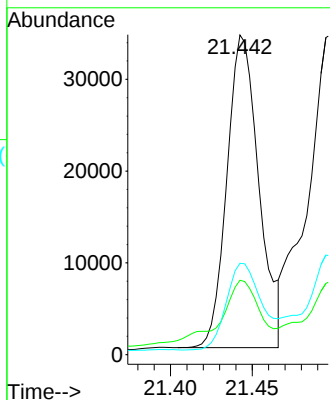
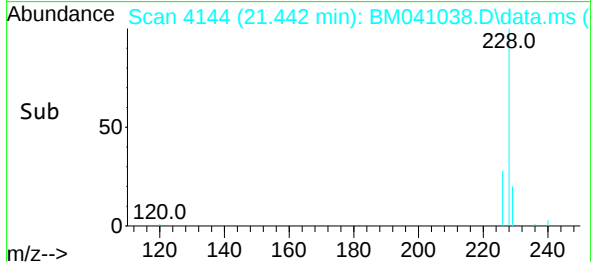
Instrument :
BNA_M
ClientSampleId :
A46Q1RE



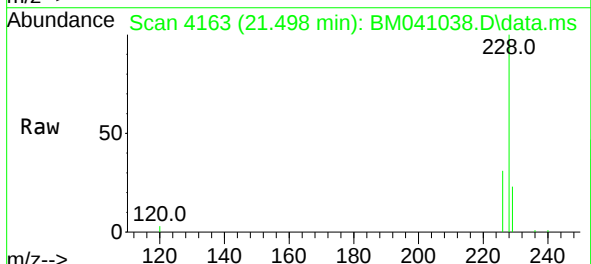
Tgt Ion:228 Resp: 4648
Ion Ratio Lower Upper
228 100
229 23.3 16.2 24.4
226 28.6 22.3 33.5

Manual Integrations
APPROVED

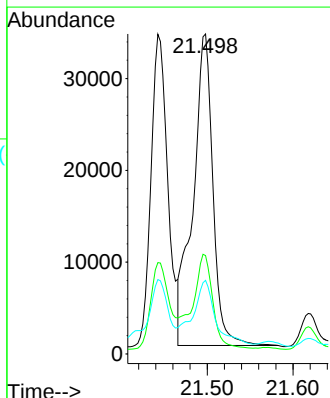
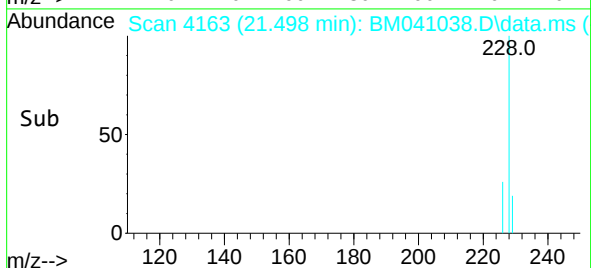
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

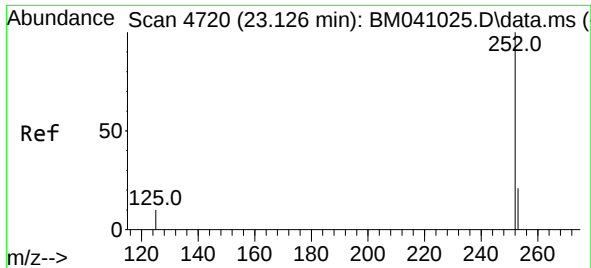


#22
Chrysene
Concen: 1.159 ng/ul
RT: 21.498 min Scan# 4163
Delta R.T. -0.006 min
Lab File: BM041038.D
Acq: 22 Jul 2023 04:08



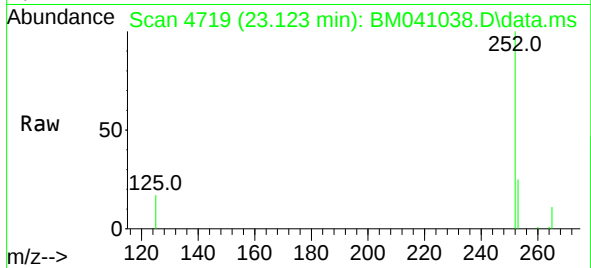
Tgt Ion:228 Resp: 54645
Ion Ratio Lower Upper
228 100
226 30.7 24.6 37.0
229 23.0 16.1 24.1





#24
Benzo(b)fluoranthene
Concen: 1.017 ng/ul
RT: 23.123 min Scan# 4719
Delta R.T. -0.006 min
Lab File: BM041038.D
Acq: 22 Jul 2023 04:08

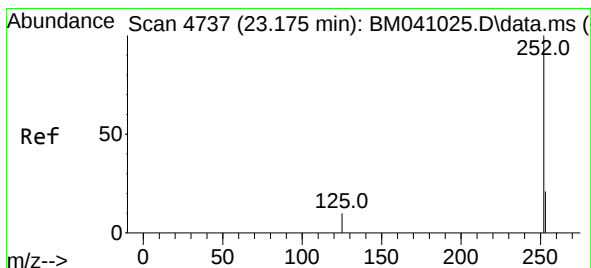
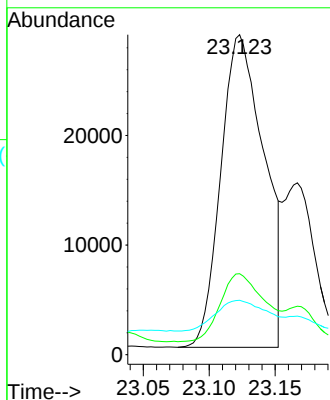
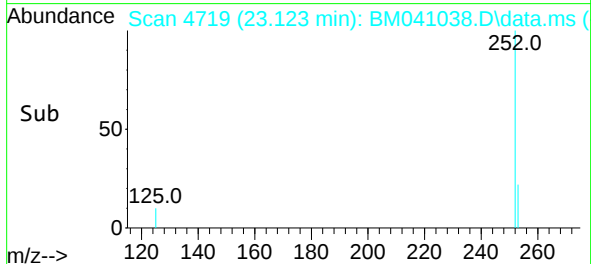
Instrument :
BNA_M
ClientSampleId :
A46Q1RE



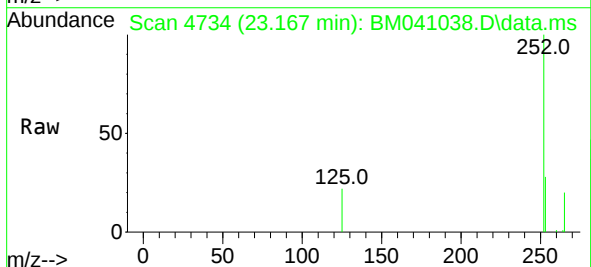
Tgt Ion:252 Resp: 6498
Ion Ratio Lower Upper
252 100
253 25.3 0.0 57.4
125 17.0 0.0 45.2

Manual Integrations
APPROVED

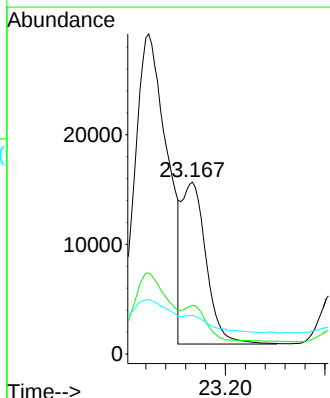
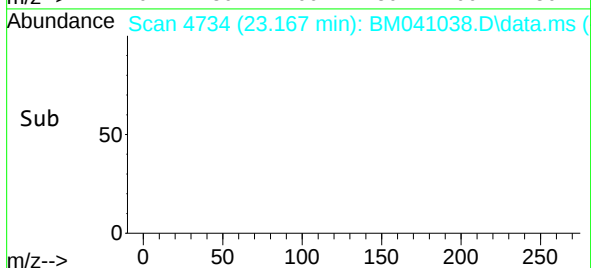
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

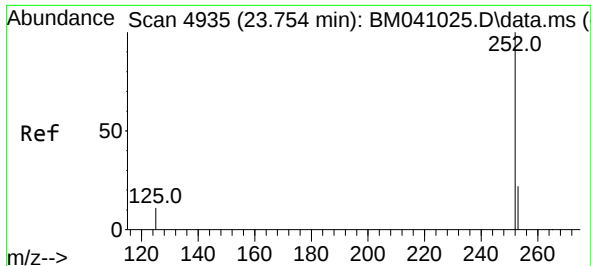


#25
Benzo(k)fluoranthene
Concen: 0.420 ng/ul m
RT: 23.167 min Scan# 4734
Delta R.T. -0.012 min
Lab File: BM041038.D
Acq: 22 Jul 2023 04:08



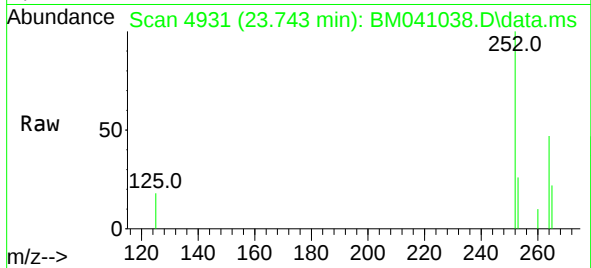
Tgt Ion:252 Resp: 25475
Ion Ratio Lower Upper
252 100
253 28.2 23.3 34.9
125 22.4 18.2 27.2





#26
Benzo(a)pyrene
Concen: 0.875 ng/ul
RT: 23.743 min Scan# 4935
Delta R.T. -0.015 min
Lab File: BM041038.D
Acq: 22 Jul 2023 04:08

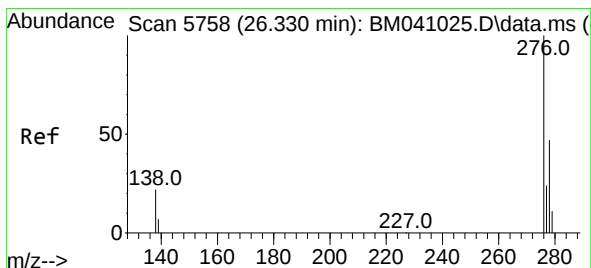
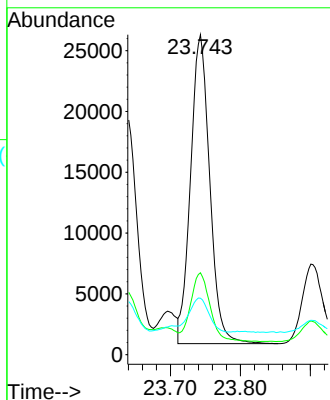
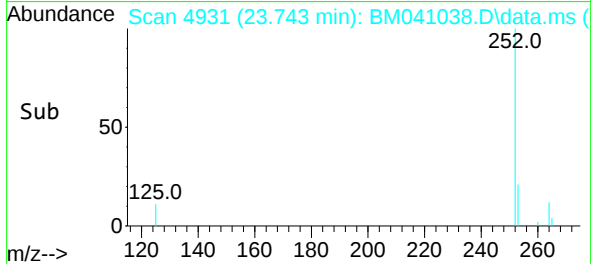
Instrument :
BNA_M
ClientSampleId :
A46Q1RE



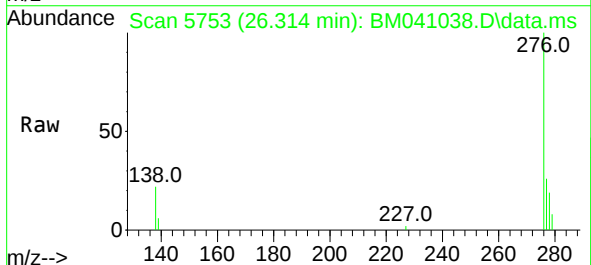
Tgt Ion:252 Resp: 48274
Ion Ratio Lower Upper
252 100
253 25.6 28.2 42.2#
125 17.7 25.2 37.8#

Manual Integrations
APPROVED

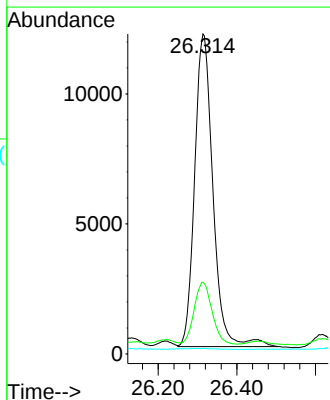
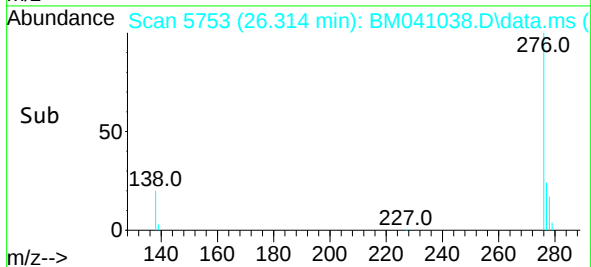
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

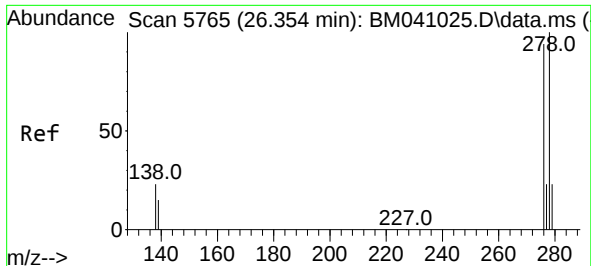


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.529 ng/ul
RT: 26.314 min Scan# 5753
Delta R.T. -0.023 min
Lab File: BM041038.D
Acq: 22 Jul 2023 04:08



Tgt Ion:276 Resp: 38714
Ion Ratio Lower Upper
276 100
138 19.2 22.3 33.5#
227 0.4 0.0 0.0#





#28

Dibenzo(a,h)anthracene

Concen: 0.158 ng/ul

RT: 26.324 min Scan# 51

Delta R.T. -0.030 min

Lab File: BM041038.D

Acq: 22 Jul 2023 04:08

Instrument :

BNA_M

ClientSampleId :

A46Q1RE

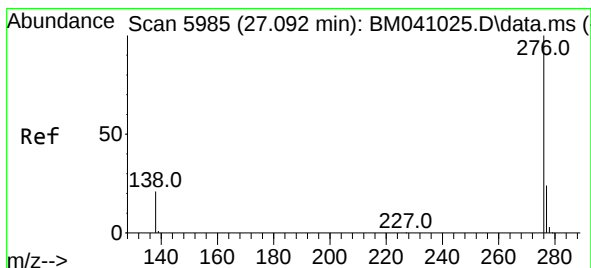
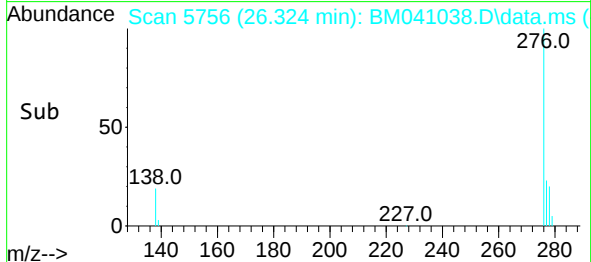
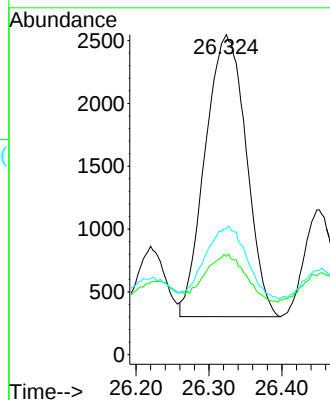
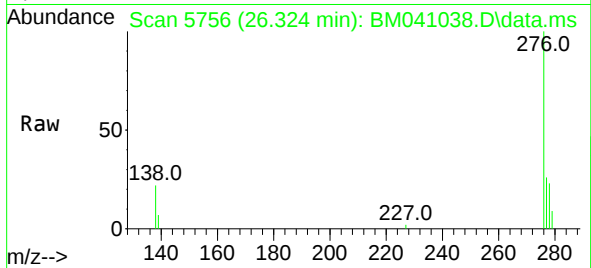
Tgt Ion:278	Resp:	8754
Ion Ratio	Lower	Upper
278	100	
139	30.8	19.2 28.8
279	39.5	27.0 40.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/22/2023

Supervised By :mohammad ahmed 07/22/2023



#29

Benzo(g,h,i)perylene

Concen: 0.599 ng/ul

RT: 27.075 min Scan# 5980

Delta R.T. -0.017 min

Lab File: BM041038.D

Acq: 22 Jul 2023 04:08

Tgt Ion:276	Resp:	40527
Ion Ratio	Lower	Upper
276	100	
138	22.7	22.6 34.0
277	25.2	21.2 31.8

