

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091323\
 Data File : BM041858.D
 Acq On : 14 Sep 2023 08:53
 Operator : MA/JU
 Sample : 04175-22RE
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EZYW5RE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/15/2023
 Supervised By :mohammad ahmed 09/15/2023

Quant Time: Sep 15 00:27:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM091323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 13 16:15:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.971	152	4513	0.400	ng/ul	0.00
4) Naphthalene-d8	10.785	136	11344	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.611	164	6007	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.362	188	13321	0.400	ng/ul	0.00
17) Chrysene-d12	21.536	240	8704	0.400	ng/ul	0.00
23) Perylene-d12	23.950	264	8593	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	4653	0.811	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.363	152	726	0.047	ng/ul	0.00
18) Fluoranthene-d10	19.385	212	1651	0.055	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.834	128	8720	0.228	ng/ul	99
7) 2-Methylnaphthalene	12.440	142	5380	0.234	ng/ul	99
8) 1-Methylnaphthalene	12.660	142	4011	0.171	ng/ul	99
10) Acenaphthylene	14.338	152	1521	0.040	ng/ul#	78
11) Acenaphthene	14.675	153	3354	0.116	ng/ul	97
12) Fluorene	15.661	166	3369	0.100	ng/ul#	98
15) Phenanthrene	17.405	178	57232	0.984	ng/ul	100
16) Anthracene	17.497	178	10293	0.203	ng/ul	98
19) Fluoranthene	19.413	202	126255	1.873	ng/ul	100
20) Pyrene	19.780	202	108359m	1.535	ng/ul	
21) Benzo(a)anthracene	21.518	228	52169	0.908	ng/ul	99
22) Chrysene	21.571	228	56187	0.956	ng/ul	97
24) Benzo(b)fluoranthene	23.205	252	83273	1.362	ng/ul	98
25) Benzo(k)fluoranthene	23.252	252	27887m	0.495	ng/ul	
26) Benzo(a)pyrene	23.839	252	51092	1.096	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	26.444	276	39081	0.545	ng/ul#	90
28) Dibenzo(a,h)anthracene	26.458	278	9263	0.175	ng/ul#	84
29) Benzo(g,h,i)perylene	27.223	276	34451	0.568	ng/ul	99

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

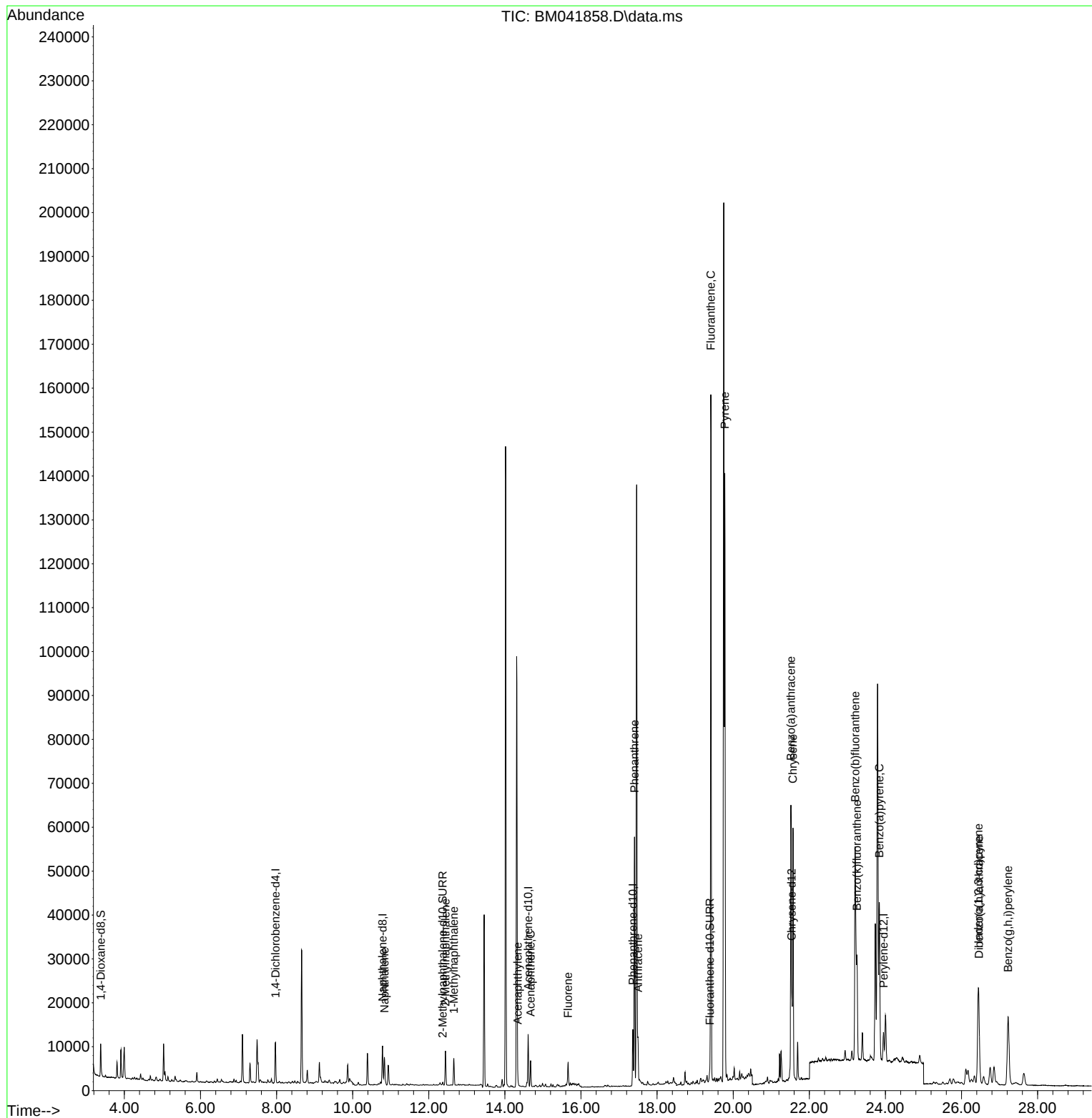
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091323\
Data File : BM041858.D
Acq On : 14 Sep 2023 08:53
Operator : MA/JU
Sample : 04175-22RE
Misc :
ALS Vial : 35 Sample Multiplier: 1

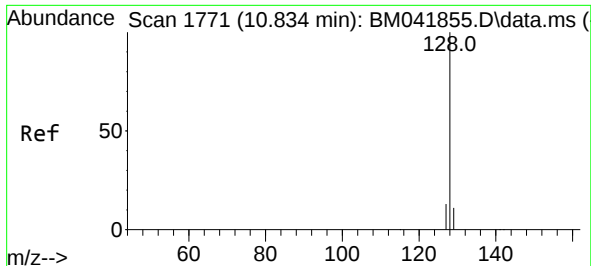
Instrument :
BNA_M
ClientSampleId :
EZYW5RE

Quant Time: Sep 15 00:27:58 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM091323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 13 16:15:23 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

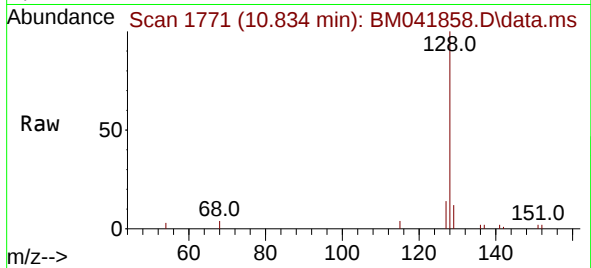
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023





#5
Naphthalene
Concen: 0.228 ng/ul
RT: 10.834 min Scan# 1771
Delta R.T. -0.006 min
Lab File: BM041858.D
Acq: 14 Sep 2023 08:53

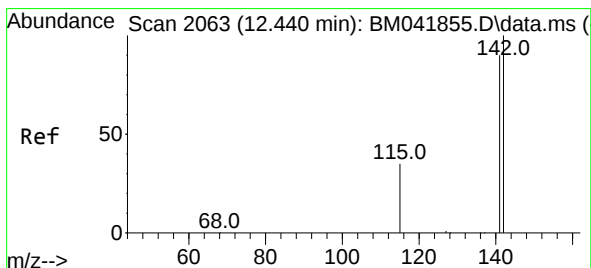
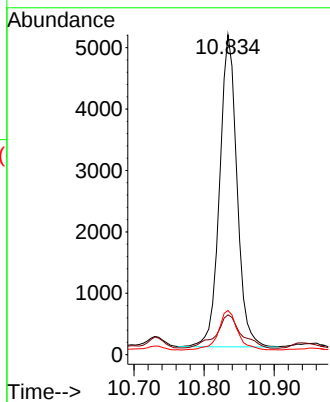
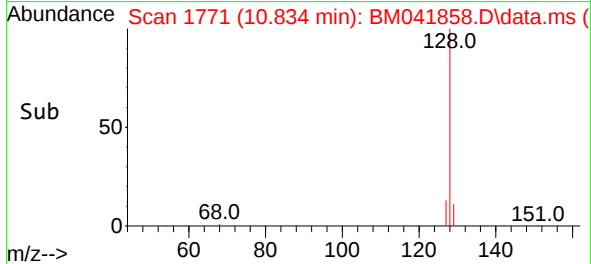
Instrument :
BNA_M
ClientSampleId :
EZYW5RE



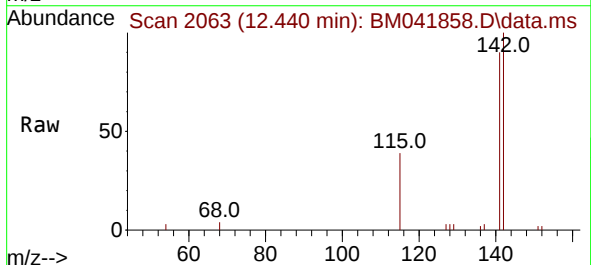
Tgt Ion:128 Resp: 8720
Ion Ratio Lower Upper
128 100
129 12.5 9.5 14.3
127 13.8 10.7 16.1

Manual Integrations
APPROVED

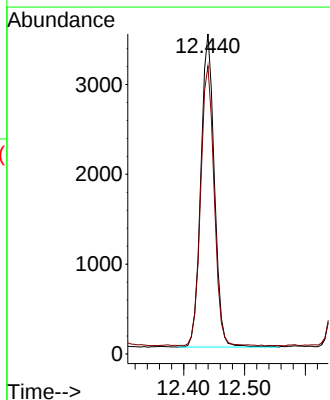
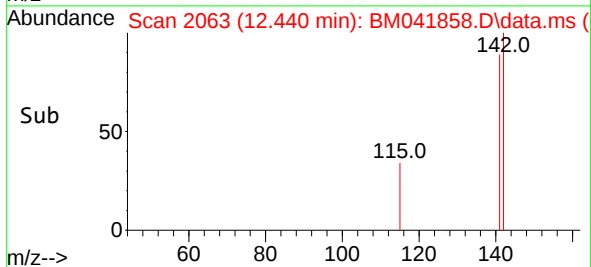
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023

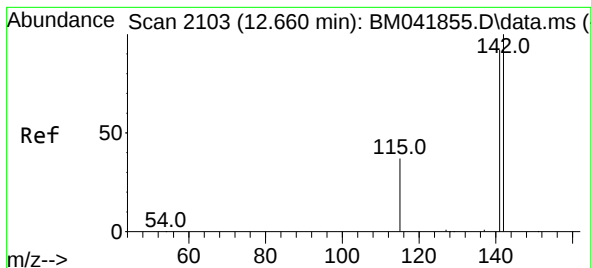


#7
2-Methylnaphthalene
Concen: 0.234 ng/ul
RT: 12.440 min Scan# 2063
Delta R.T. -0.006 min
Lab File: BM041858.D
Acq: 14 Sep 2023 08:53



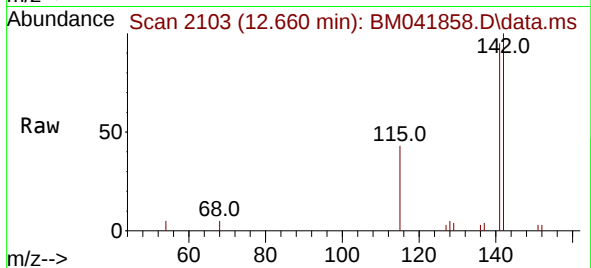
Tgt Ion:142 Resp: 5380
Ion Ratio Lower Upper
142 100
141 89.5 72.1 108.1





#8
1-Methylnaphthalene
Concen: 0.171 ng/u1
RT: 12.660 min Scan# 2103
Delta R.T. -0.006 min
Lab File: BM041858.D
Acq: 14 Sep 2023 08:53

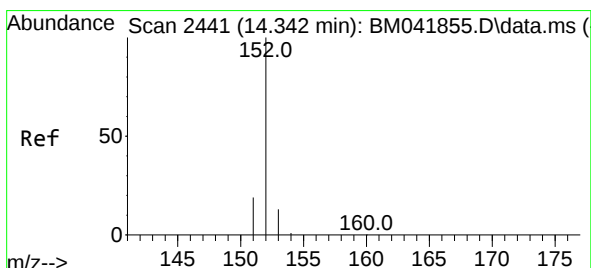
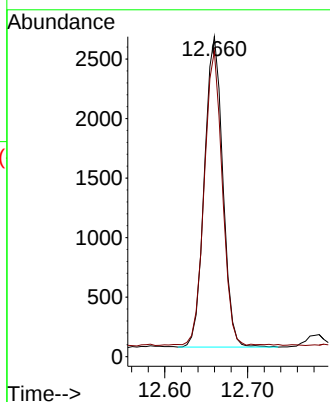
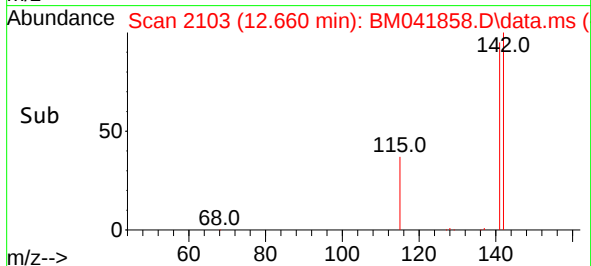
Instrument :
BNA_M
ClientSampleId :
EZYW5RE



Tgt Ion:142 Resp: 401
Ion Ratio Lower Upper
142 100
141 93.5 74.3 111.5

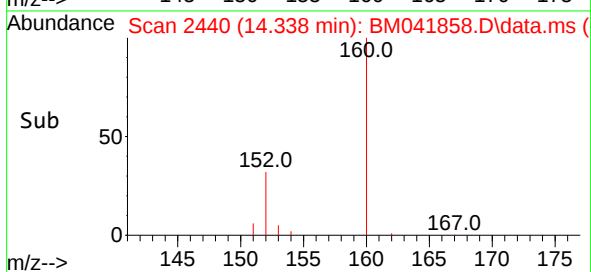
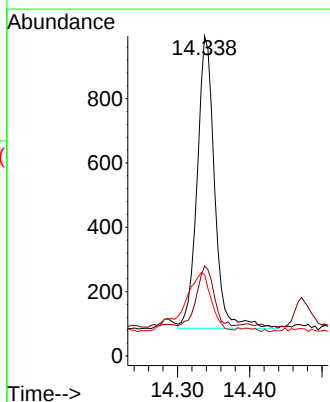
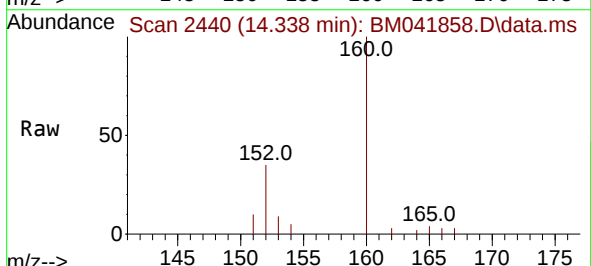
Manual Integrations
APPROVED

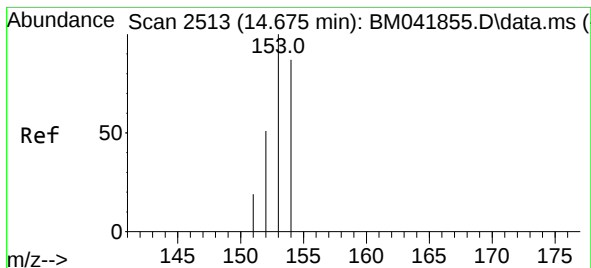
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#10
Acenaphthylene
Concen: 0.040 ng/u1
RT: 14.338 min Scan# 2440
Delta R.T. -0.005 min
Lab File: BM041858.D
Acq: 14 Sep 2023 08:53

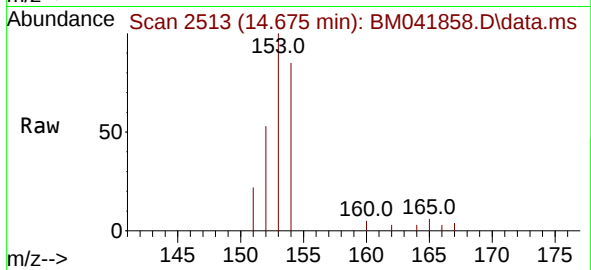
Tgt Ion:152 Resp: 1521
Ion Ratio Lower Upper
152 100
151 28.1 16.3 24.5#
153 25.4 10.9 16.3#





#11
Acenaphthene
Concen: 0.116 ng/u1
RT: 14.675 min Scan# 2513
Delta R.T. -0.005 min
Lab File: BM041858.D
Acq: 14 Sep 2023 08:53

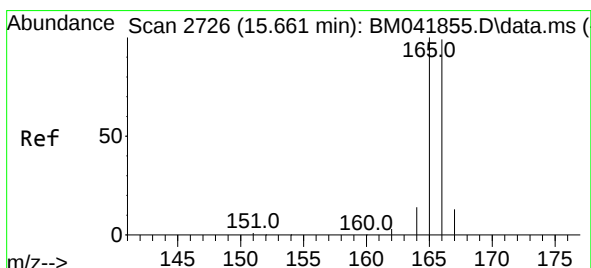
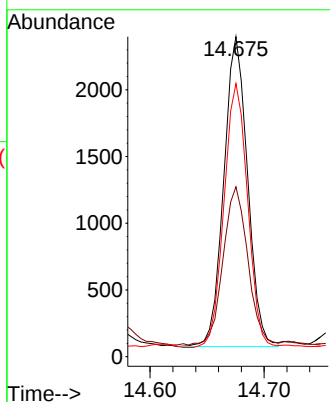
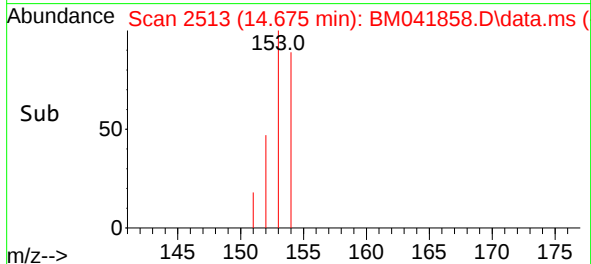
Instrument :
BNA_M
ClientSampleId :
EZYW5RE



Tgt Ion:153 Resp: 3354
Ion Ratio Lower Upper
153 100
152 53.1 41.5 62.3
154 85.4 70.7 106.1

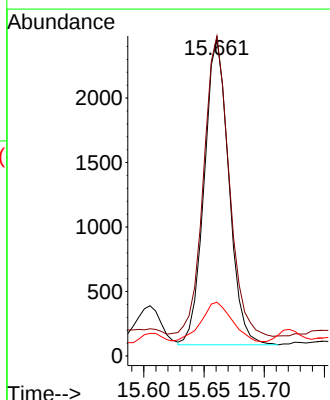
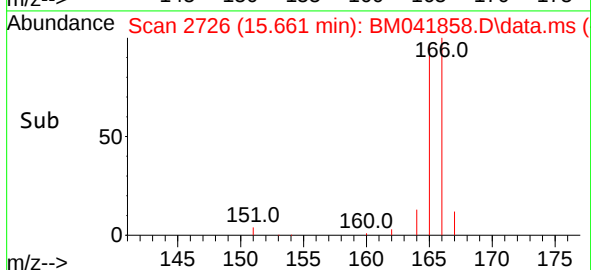
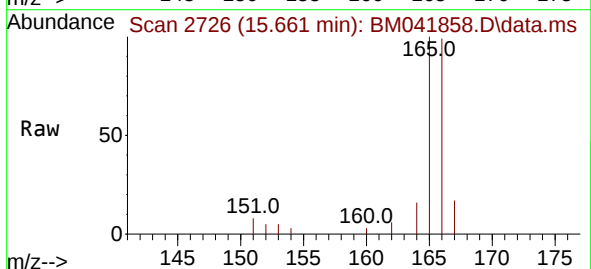
Manual Integrations
APPROVED

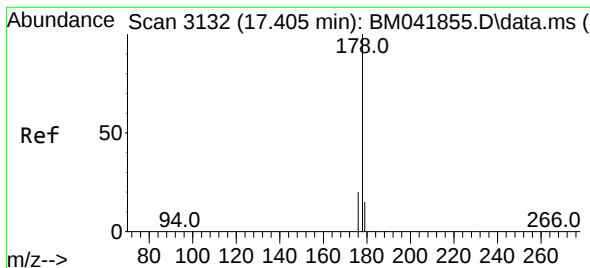
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#12
Fluorene
Concen: 0.100 ng/u1
RT: 15.661 min Scan# 2726
Delta R.T. -0.005 min
Lab File: BM041858.D
Acq: 14 Sep 2023 08:53

Tgt Ion:166 Resp: 3369
Ion Ratio Lower Upper
166 100
165 100.7 79.3 118.9
167 17.0 11.2 16.8#





#15

Phenanthrene

Concen: 0.984 ng/ul

RT: 17.405 min Scan# 3132

Delta R.T. -0.004 min

Lab File: BM041858.D

Acq: 14 Sep 2023 08:53

Instrument :

BNA_M

ClientSampleId :

EZYW5RE

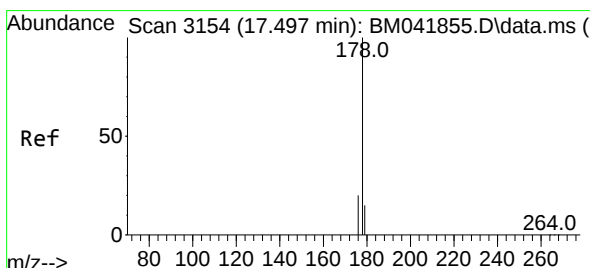
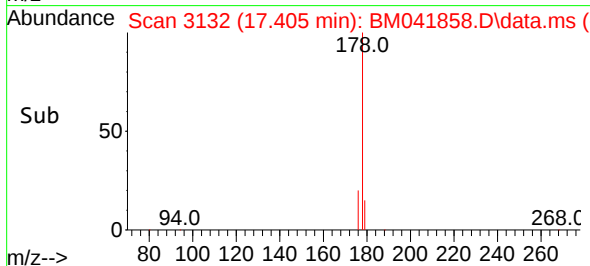
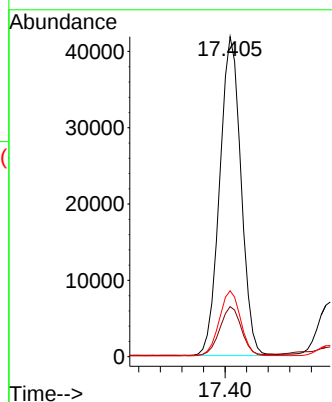
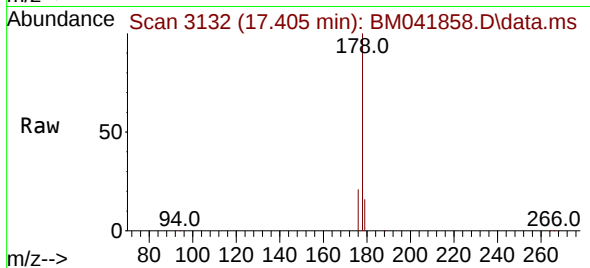
Tgt Ion:	178	Resp:	5723
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.6	19.0
176	20.6	16.6	25.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/15/2023

Supervised By :mohammad ahmed 09/15/2023



#16

Anthracene

Concen: 0.203 ng/ul

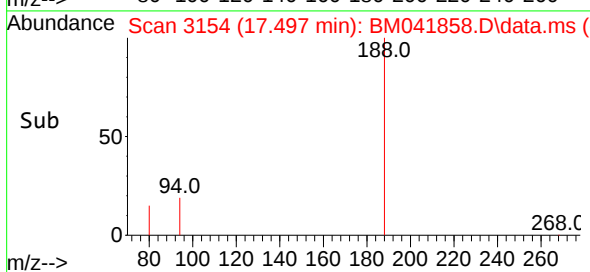
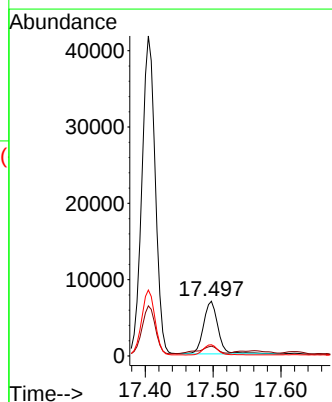
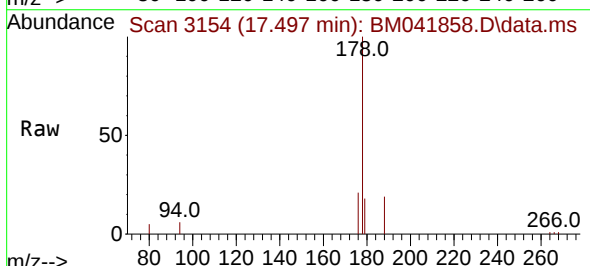
RT: 17.497 min Scan# 3154

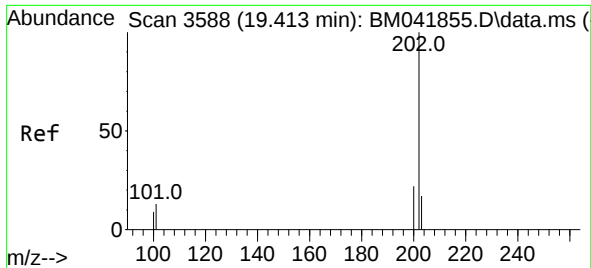
Delta R.T. -0.004 min

Lab File: BM041858.D

Acq: 14 Sep 2023 08:53

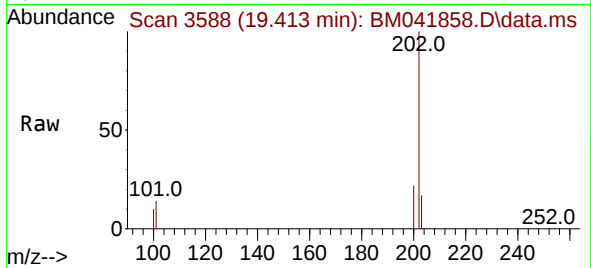
Tgt Ion:	178	Resp:	10293
Ion Ratio	Lower	Upper	
178	100		
179	17.8	12.7	19.1
176	20.6	16.1	24.1





#19
Fluoranthene
Concen: 1.873 ng/ul
RT: 19.413 min Scan# 3588
Delta R.T. -0.005 min
Lab File: BM041858.D
Acq: 14 Sep 2023 08:53

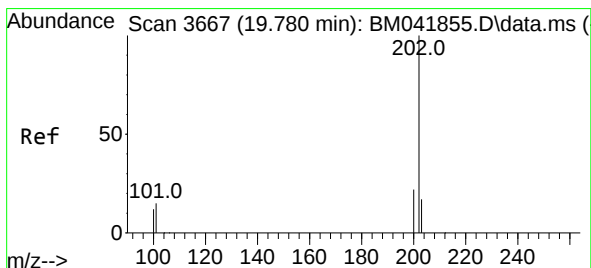
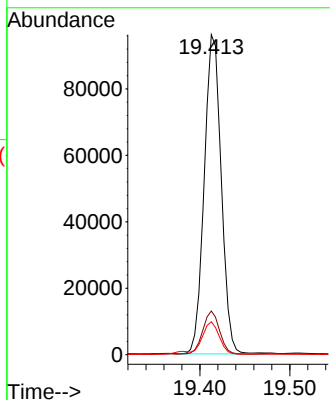
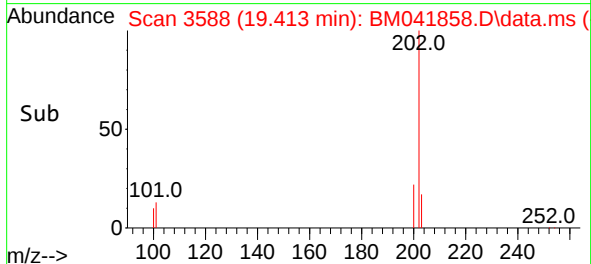
Instrument :
BNA_M
ClientSampleId :
EZYW5RE



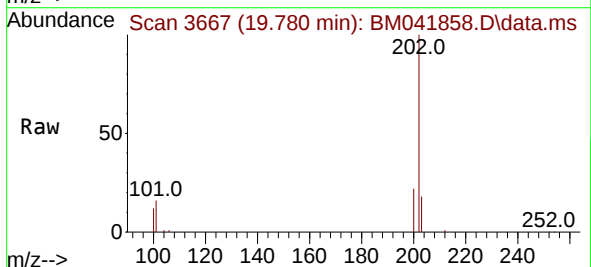
Tgt Ion:202 Resp: 12625
Ion Ratio Lower Upper
202 100
101 13.7 11.0 16.6
100 10.3 8.2 12.4

Manual Integrations
APPROVED

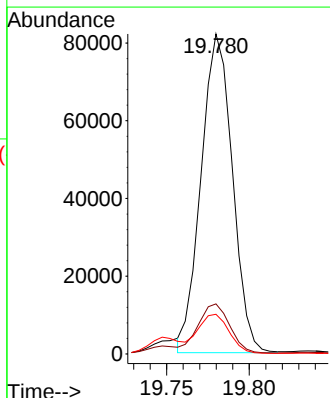
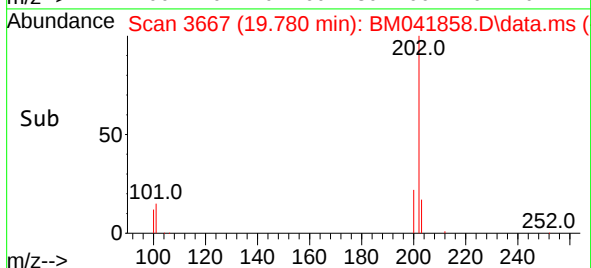
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023

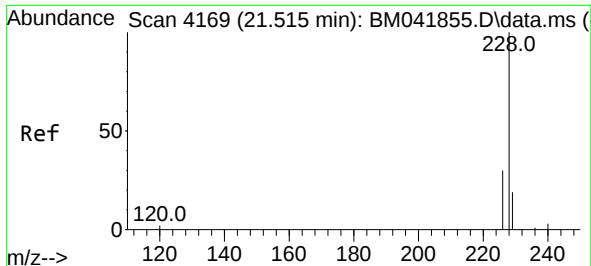


#20
Pyrene
Concen: 1.535 ng/ul m
RT: 19.780 min Scan# 3667
Delta R.T. -0.005 min
Lab File: BM041858.D
Acq: 14 Sep 2023 08:53



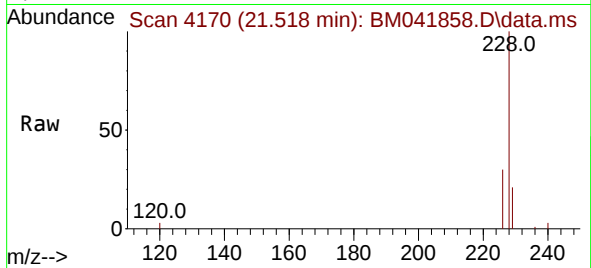
Tgt Ion:202 Resp: 108359
Ion Ratio Lower Upper
202 100
101 15.6 12.6 19.0
100 12.4 9.9 14.9





#21
Benzo(a)anthracene
Concen: 0.908 ng/u1
RT: 21.518 min Scan# 4169
Delta R.T. -0.003 min
Lab File: BM041858.D
Acq: 14 Sep 2023 08:53

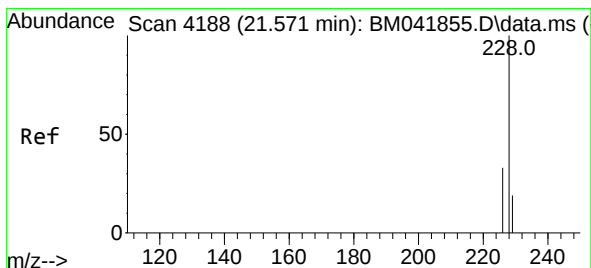
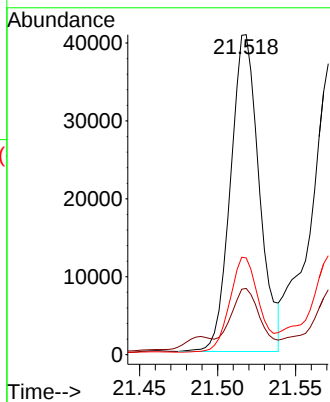
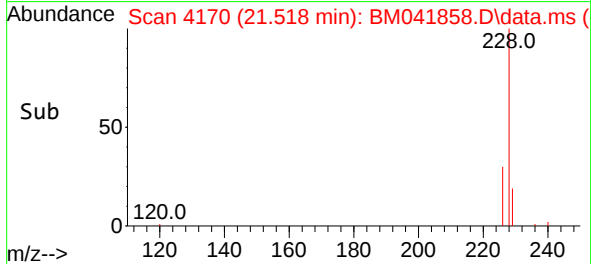
Instrument :
BNA_M
ClientSampleId :
EZYW5RE



Tgt Ion:228 Resp: 52169
Ion Ratio Lower Upper
228 100
229 20.7 15.8 23.8
226 30.3 24.3 36.5

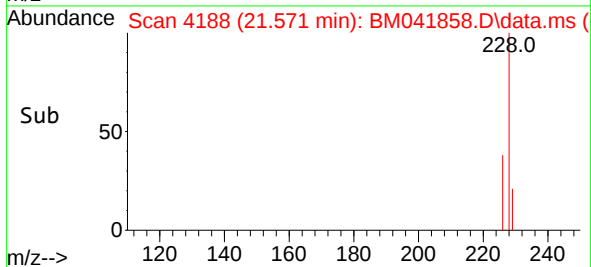
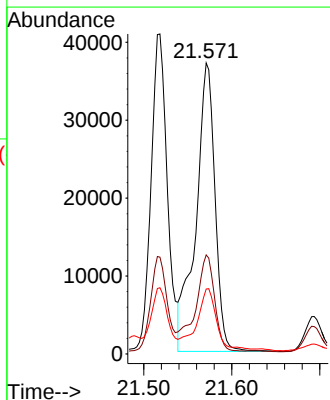
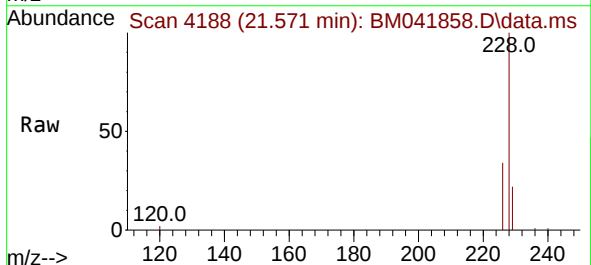
Manual Integrations
APPROVED

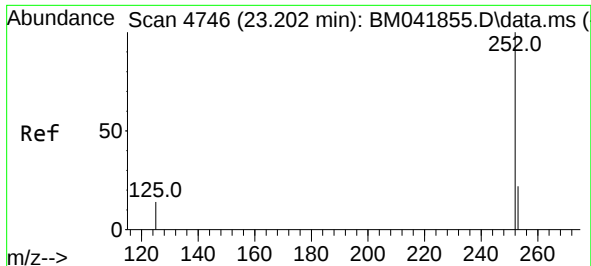
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#22
Chrysene
Concen: 0.956 ng/u1
RT: 21.571 min Scan# 4188
Delta R.T. -0.006 min
Lab File: BM041858.D
Acq: 14 Sep 2023 08:53

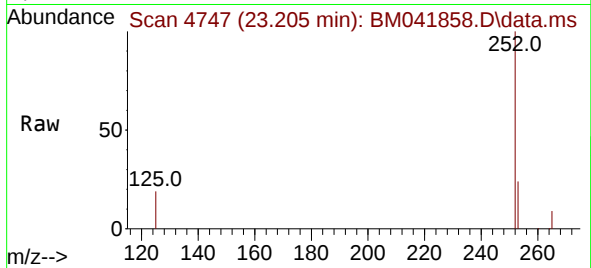
Tgt Ion:228 Resp: 56187
Ion Ratio Lower Upper
228 100
226 34.1 27.0 40.4
229 22.3 15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 1.362 ng/ul
RT: 23.205 min Scan# 4746
Delta R.T. -0.003 min
Lab File: BM041858.D
Acq: 14 Sep 2023 08:53

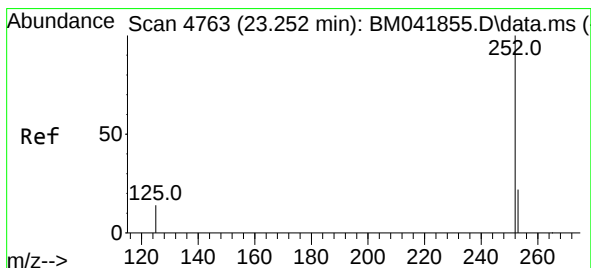
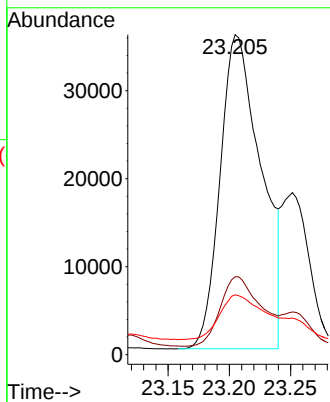
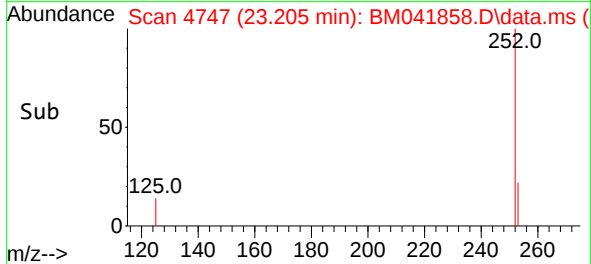
Instrument :
BNA_M
ClientSampleId :
EZYW5RE



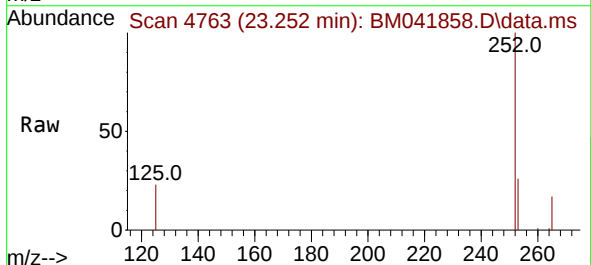
Tgt Ion:252 Resp: 8327
Ion Ratio Lower Upper
252 100
253 24.3 0.0 51.0
125 18.7 0.0 39.8

Manual Integrations
APPROVED

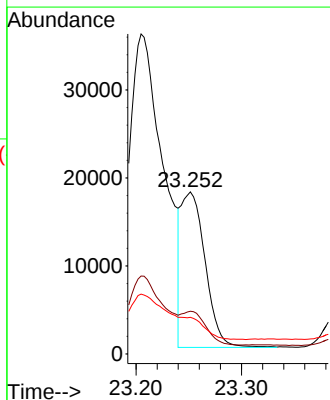
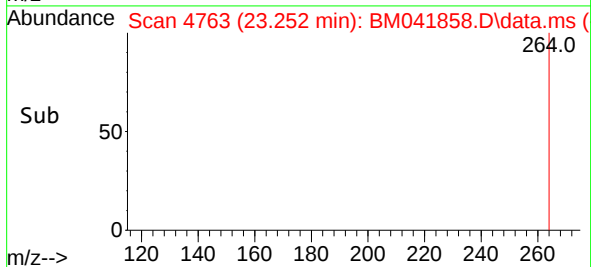
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023

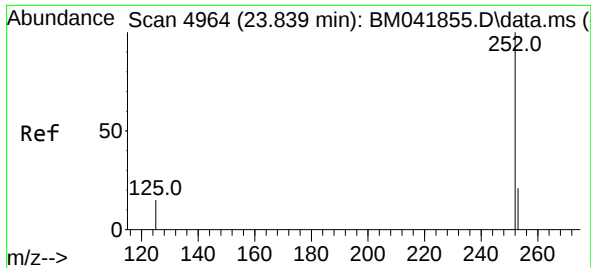


#25
Benzo(k)fluoranthene
Concen: 0.495 ng/ul m
RT: 23.252 min Scan# 4763
Delta R.T. -0.009 min
Lab File: BM041858.D
Acq: 14 Sep 2023 08:53



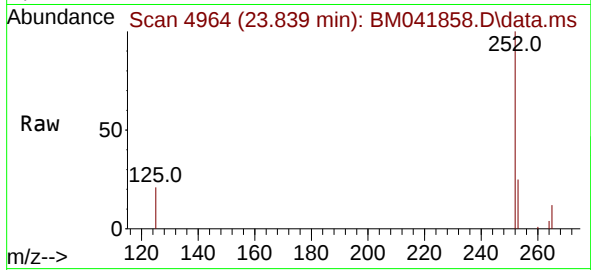
Tgt Ion:252 Resp: 27887
Ion Ratio Lower Upper
252 100
253 26.3 20.2 30.2
125 22.6 15.8 23.8





#26
Benzo(a)pyrene
Concen: 1.096 ng/ul
RT: 23.839 min Scan# 4964
Delta R.T. -0.006 min
Lab File: BM041858.D
Acq: 14 Sep 2023 08:53

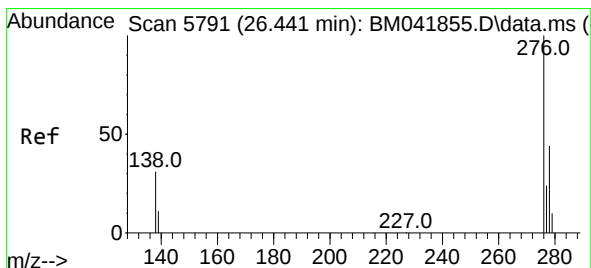
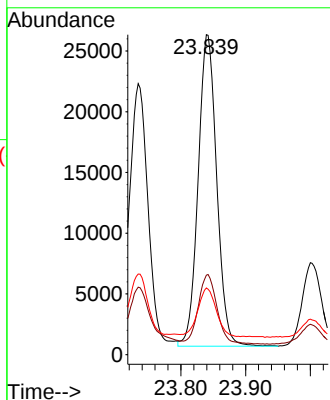
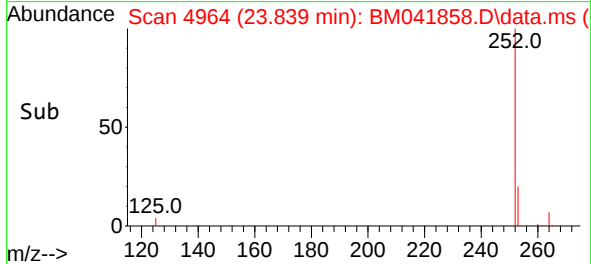
Instrument :
BNA_M
ClientSampleId :
EZYW5RE



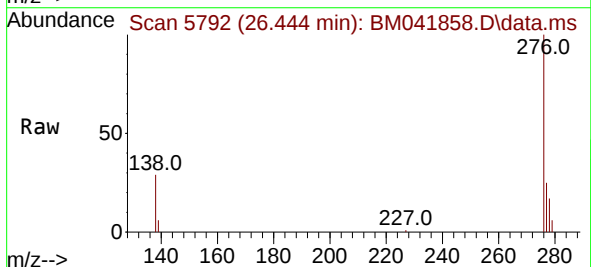
Tgt Ion:252 Resp: 51092
Ion Ratio Lower Upper
252 100
253 24.9 21.8 32.8
125 20.8 18.8 28.2

Manual Integrations
APPROVED

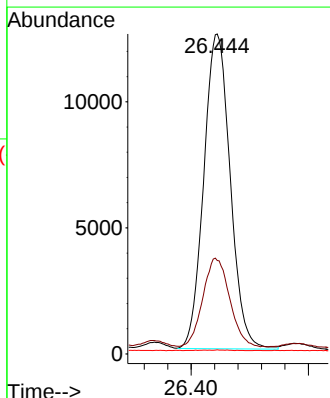
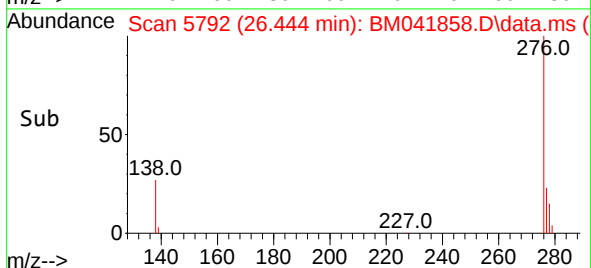
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023

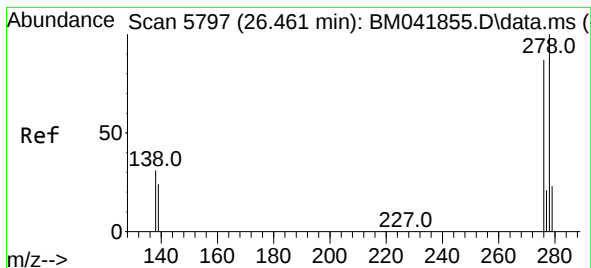


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.545 ng/ul
RT: 26.444 min Scan# 5792
Delta R.T. -0.010 min
Lab File: BM041858.D
Acq: 14 Sep 2023 08:53



Tgt Ion:276 Resp: 39081
Ion Ratio Lower Upper
276 100
138 28.7 27.7 41.5
227 0.1 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.175 ng/ul

RT: 26.458 min Scan# 5796

Delta R.T. -0.017 min

Lab File: BM041858.D

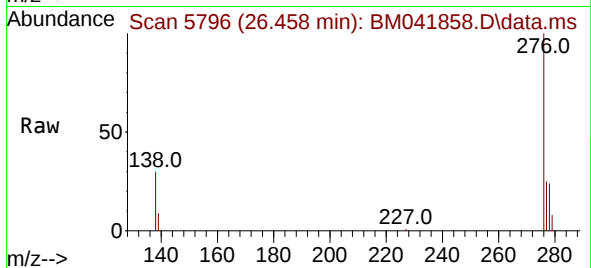
Acq: 14 Sep 2023 08:53

Instrument :

BNA_M

ClientSampleId :

EZYW5RE



Tgt Ion:278 Resp: 926

Ion Ratio Lower Upper

278 100

139 35.1 20.9 31.3

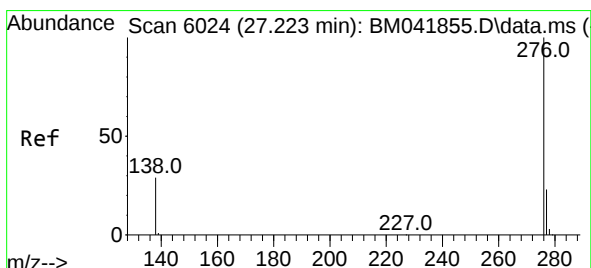
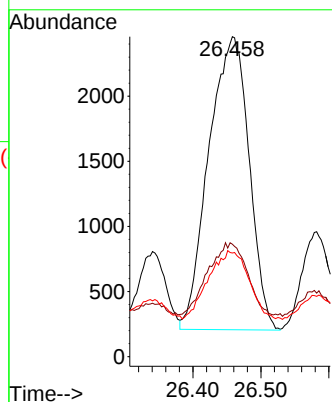
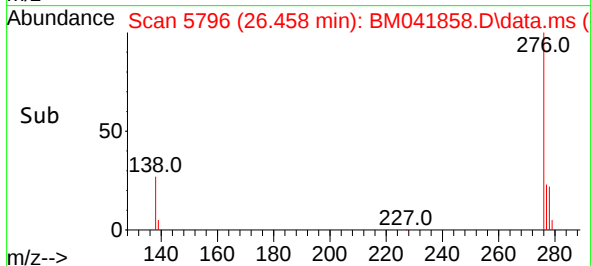
279 32.4 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/15/2023

Supervised By :mohammad ahmed 09/15/2023



#29

Benzo(g,h,i)perylene

Concen: 0.568 ng/ul

RT: 27.223 min Scan# 6024

Delta R.T. -0.013 min

Lab File: BM041858.D

Acq: 14 Sep 2023 08:53

Tgt Ion:276 Resp: 34451

Ion Ratio Lower Upper

276 100

138 30.8 24.7 37.1

277 24.7 19.3 28.9

