

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046163.D
 Acq On : 21 Jun 2024 17:00
 Operator : MA/JU
 Sample : P2754-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BP8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :mohammad ahmed 06/24/2024

Quant Time: Jun 21 17:36:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 18 13:58:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.417	152	2227	0.400	ng/ul	-0.05
4) Naphthalene-d8	10.193	136	6502	0.400	ng/ul	-0.06
9) Acenaphthene-d10	14.070	164	3521	0.400	ng/ul	#-0.04
13) Phenanthrene-d10	16.811	188	8057m	0.400	ng/ul	-0.05
17) Chrysene-d12	21.015	240	6511m	0.400	ng/ul	-0.03
23) Perylene-d12	23.107	264	7323m	0.400	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.029	96	11786	3.857	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.821	152	2409	0.276	ng/ul	-0.04
18) Fluoranthene-d10	18.847	212	5499	0.282	ng/ul	-0.04
Target Compounds						
					Qvalue	
5) Naphthalene	10.242	128	2680	0.148	ng/ul	97
7) 2-Methylnaphthalene	11.892	142	1238	0.121	ng/ul	94
8) 1-Methylnaphthalene	12.106	142	1205	0.108	ng/ul	98
10) Acenaphthylene	13.784	152	3055	0.183	ng/ul#	92
11) Acenaphthene	14.131	153	4090	0.339	ng/ul	99
12) Fluorene	15.125	166	4254	0.329	ng/ul	99
15) Phenanthrene	16.853	178	65260m	2.883	ng/ul	
16) Anthracene	16.941	178	13406m	0.795	ng/ul	
19) Fluoranthene	18.875	202	106174	3.766	ng/ul	97
20) Pyrene	19.238	202	85506	2.805	ng/ul	96
21) Benzo(a)anthracene	20.997	228	54239	2.157	ng/ul	98
22) Chrysene	21.050	228	51819	1.615	ng/ul	98
24) Benzo(b)fluoranthene	22.490	252	72059m	2.731	ng/ul	
25) Benzo(k)fluoranthene	22.528	252	30104m	0.960	ng/ul	
26) Benzo(a)pyrene	23.016	252	27831m	1.138	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.155	276	28598	0.715	ng/ul#	89
28) Dibenzo(a,h)anthracene	25.155	278	9045	0.304	ng/ul#	86
29) Benzo(g,h,i)perylene	25.779	276	4198	0.122	ng/ul#	71

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

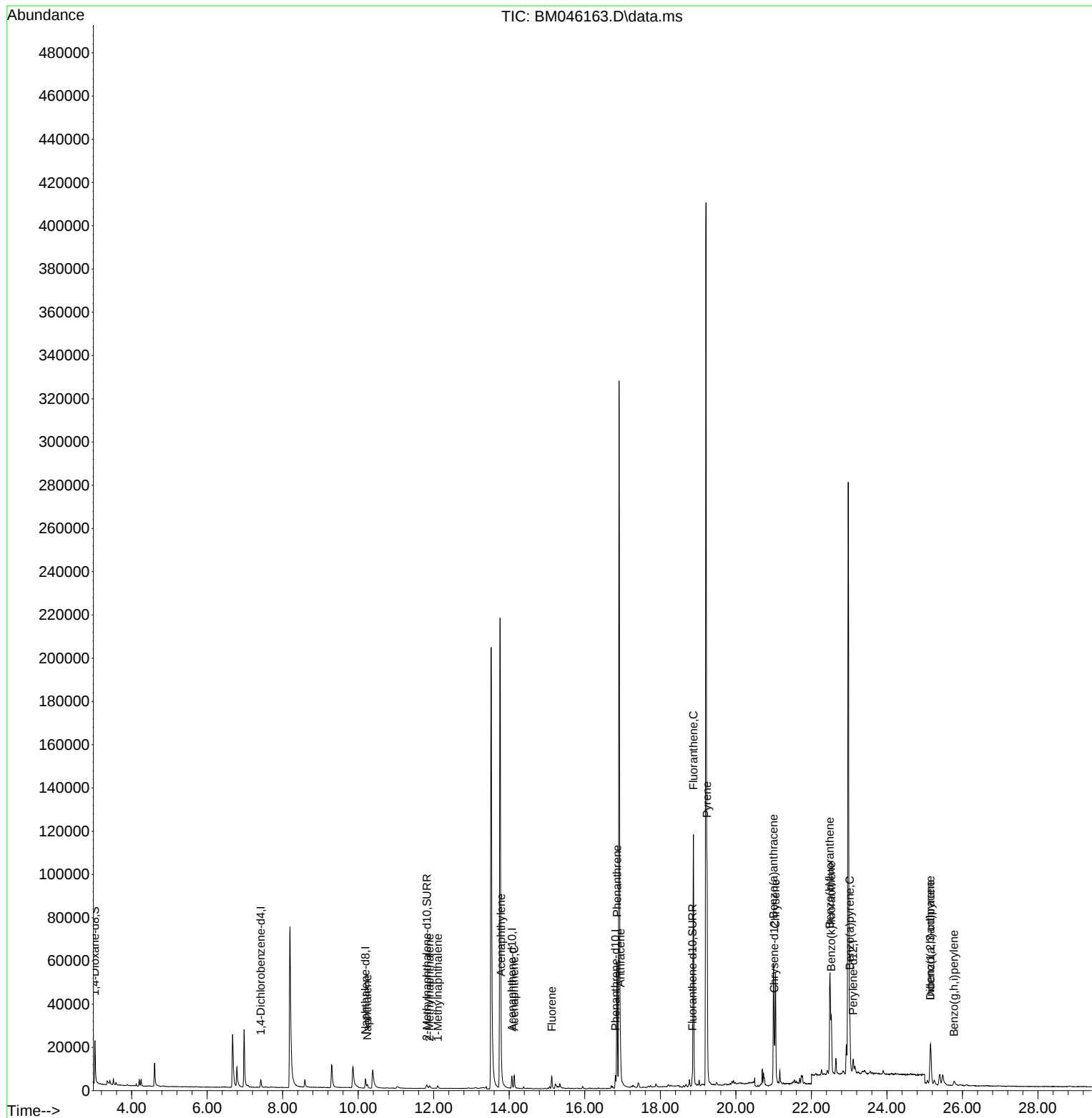
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046163.D
Acq On : 21 Jun 2024 17:00
Operator : MA/JU
Sample : P2754-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

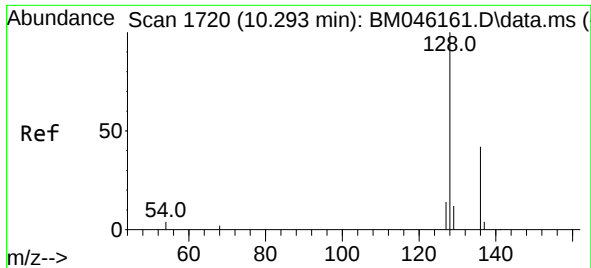
Instrument :
BNA_M
ClientSampleId :
A4BP8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024

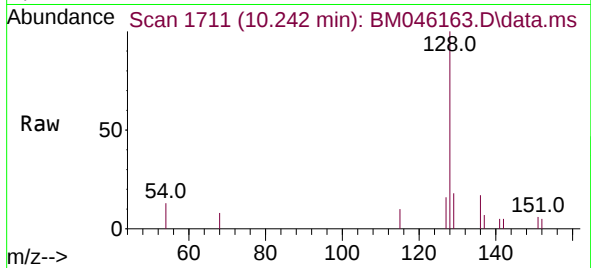
Quant Time: Jun 21 17:36:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.148 ng/ul
RT: 10.242 min Scan# 1711
Delta R.T. -0.061 min
Lab File: BM046163.D
Acq: 21 Jun 2024 17:00

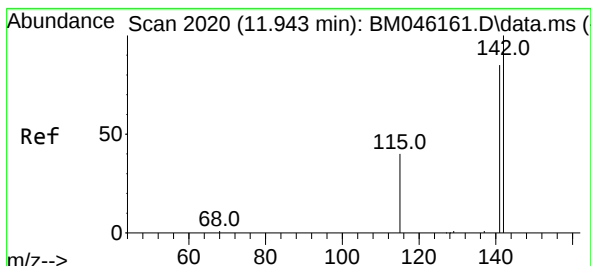
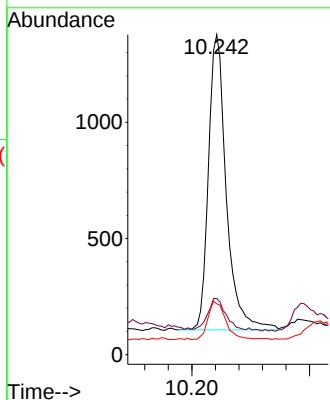
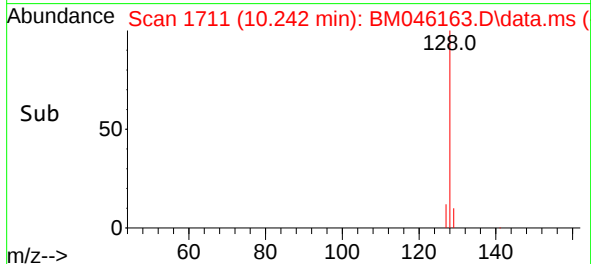
Instrument :
BNA_M
ClientSampleId :
A4BP8



Tgt Ion:128 Resp: 2680
Ion Ratio Lower Upper
128 100
129 17.6 11.8 17.6
127 15.9 12.8 19.2

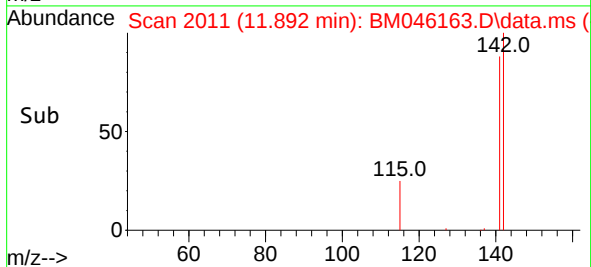
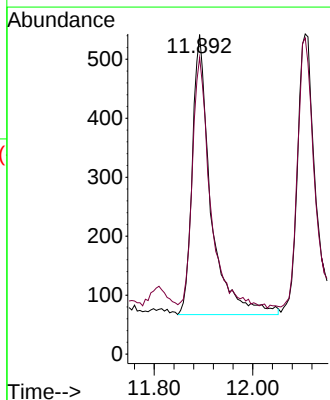
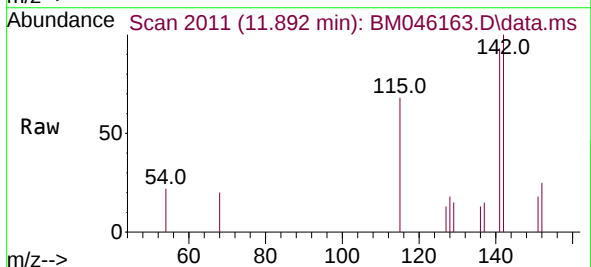
Manual Integrations
APPROVED

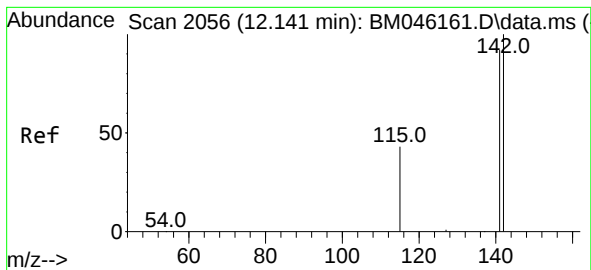
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



#7
2-Methylnaphthalene
Concen: 0.121 ng/ul
RT: 11.892 min Scan# 2011
Delta R.T. -0.055 min
Lab File: BM046163.D
Acq: 21 Jun 2024 17:00

Tgt Ion:142 Resp: 1238
Ion Ratio Lower Upper
142 100
141 87.0 74.6 111.8





#8

1-Methylnaphthalene

Concen: 0.108 ng/ul

RT: 12.106 min Scan# 2056

Delta R.T. -0.044 min

Lab File: BM046163.D

Acq: 21 Jun 2024 17:00

Instrument :

BNA_M

ClientSampleId :

A4BP8

Tgt Ion:142 Resp: 1209

Ion Ratio Lower Upper

142 100

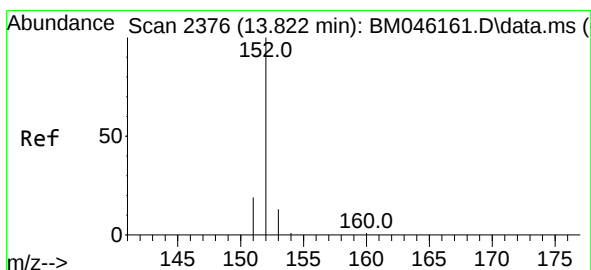
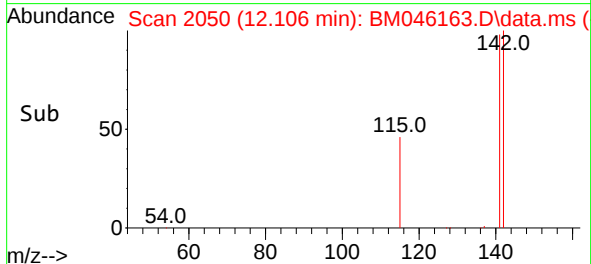
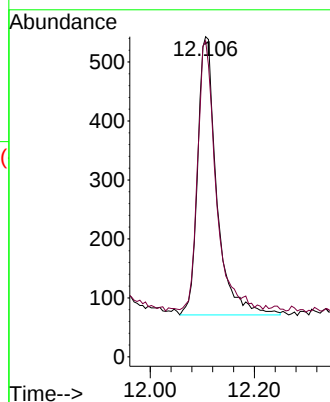
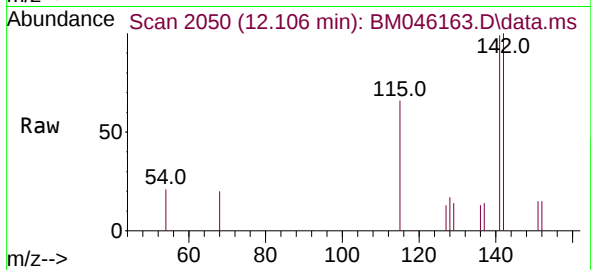
141 92.0 75.2 112.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/24/2024

Supervised By :mohammad ahmed 06/24/2024



#10

Acenaphthylene

Concen: 0.183 ng/ul

RT: 13.784 min Scan# 2368

Delta R.T. -0.051 min

Lab File: BM046163.D

Acq: 21 Jun 2024 17:00

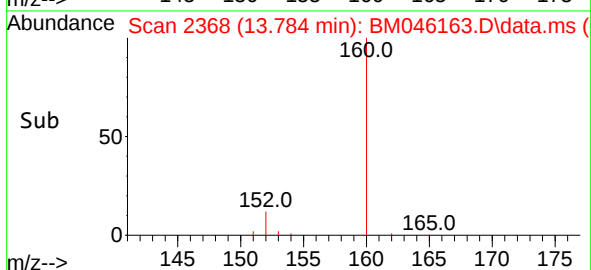
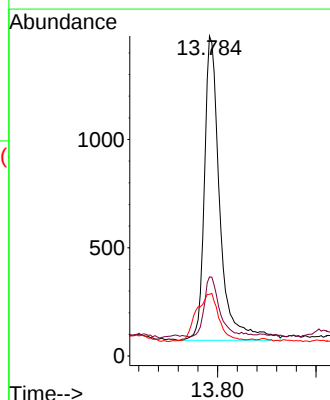
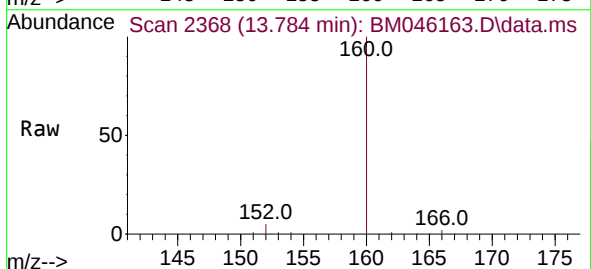
Tgt Ion:152 Resp: 3055

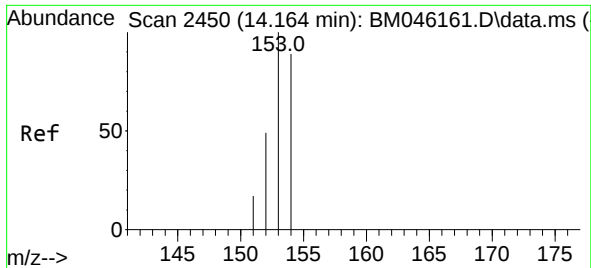
Ion Ratio Lower Upper

152 100

151 24.7 17.4 26.2

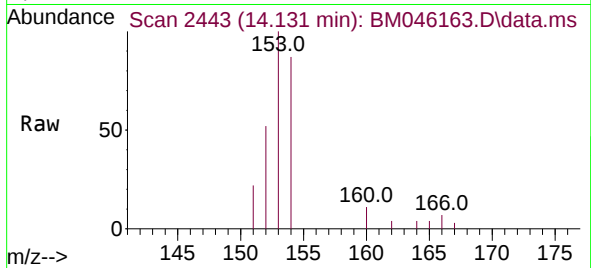
153 19.3 11.8 17.8#





#11
Acenaphthene
Concen: 0.339 ng/u1
RT: 14.131 min Scan# 2443
Delta R.T. -0.042 min
Lab File: BM046163.D
Acq: 21 Jun 2024 17:00

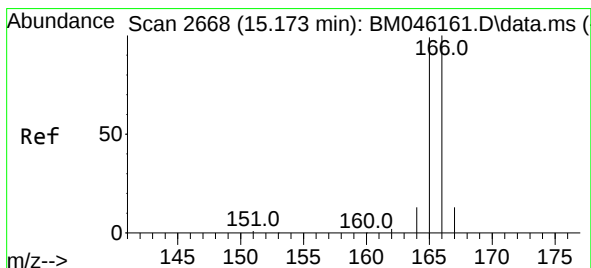
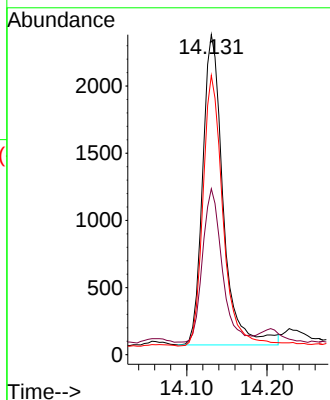
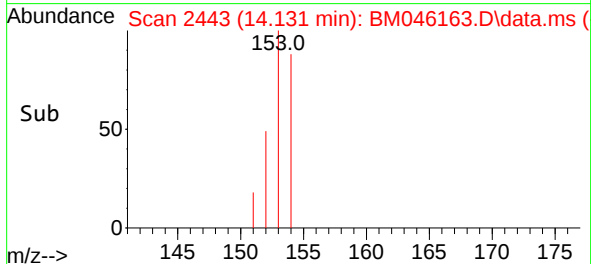
Instrument :
BNA_M
ClientSampleId :
A4BP8



Tgt Ion:153 Resp: 4090
Ion Ratio Lower Upper
153 100
152 51.8 41.3 61.9
154 87.2 68.2 102.4

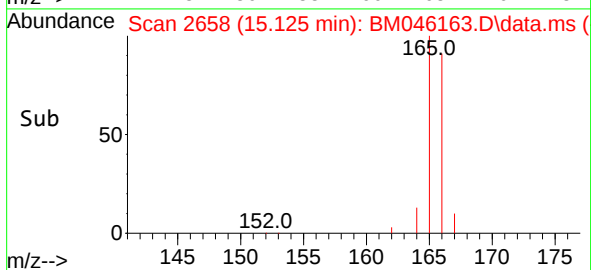
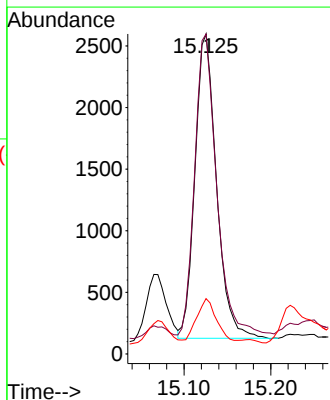
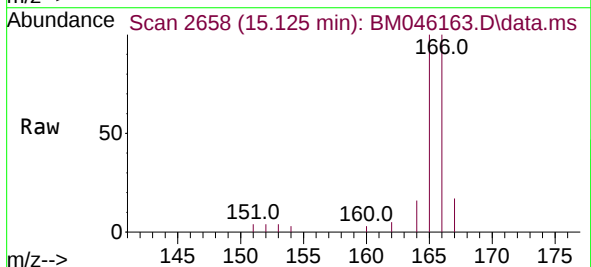
Manual Integrations
APPROVED

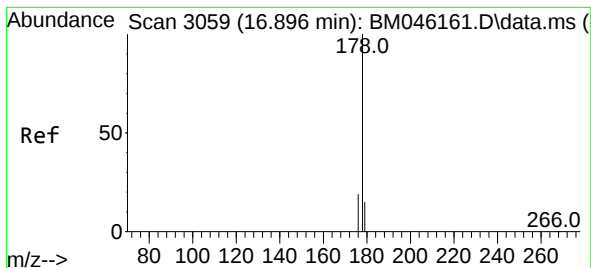
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



#12
Fluorene
Concen: 0.329 ng/u1
RT: 15.125 min Scan# 2658
Delta R.T. -0.056 min
Lab File: BM046163.D
Acq: 21 Jun 2024 17:00

Tgt Ion:166 Resp: 4254
Ion Ratio Lower Upper
166 100
165 100.0 80.4 120.6
167 17.3 12.4 18.6





#15

Phenanthrene

Concen: 2.883 ng/ul m

RT: 16.853 min Scan# 3049

Delta R.T. -0.051 min

Lab File: BM046163.D

Acq: 21 Jun 2024 17:00

Instrument :

BNA_M

ClientSampleId :

A4BP8

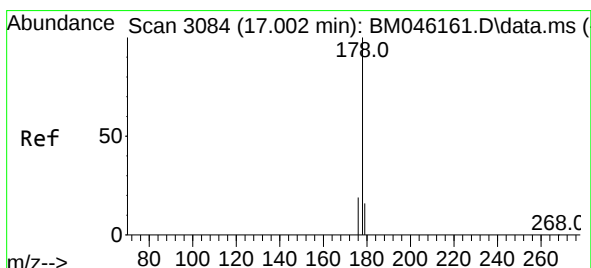
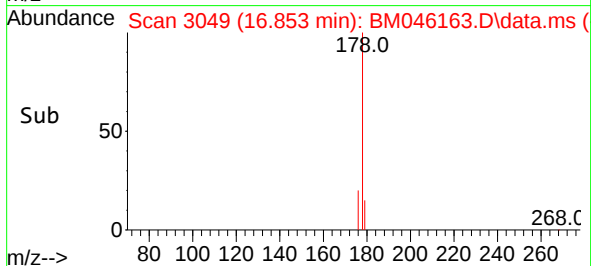
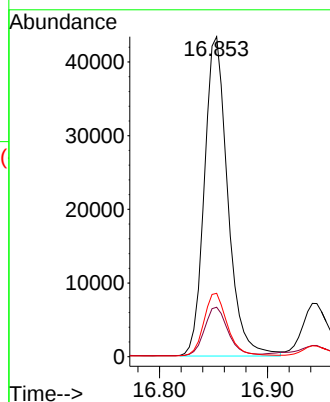
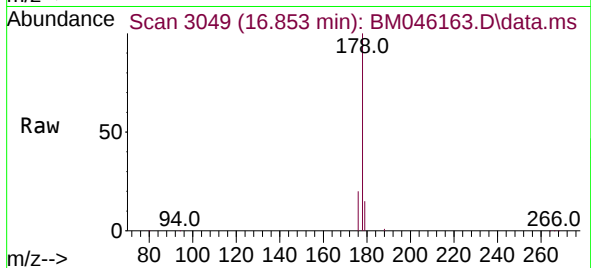
Tgt Ion:178	Resp: 65260
Ion Ratio	Lower Upper
178 100	
179 15.5	14.2 21.2
176 19.8	17.1 25.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/24/2024

Supervised By :mohammad ahmed 06/24/2024



#16

Anthracene

Concen: 0.795 ng/ul m

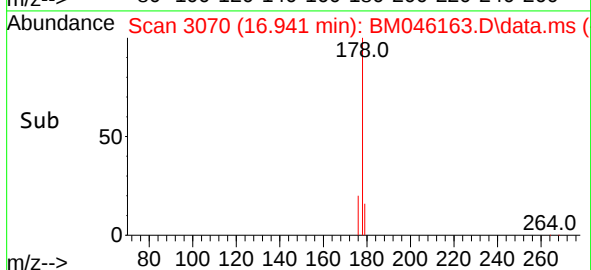
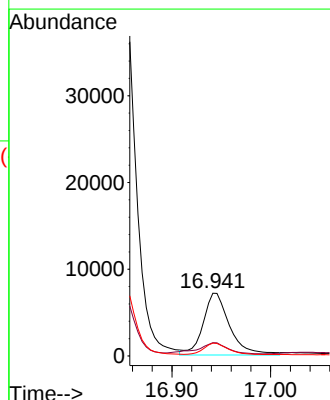
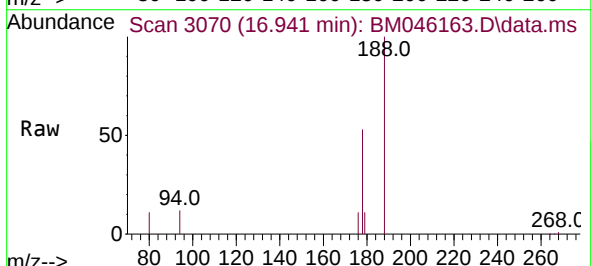
RT: 16.941 min Scan# 3070

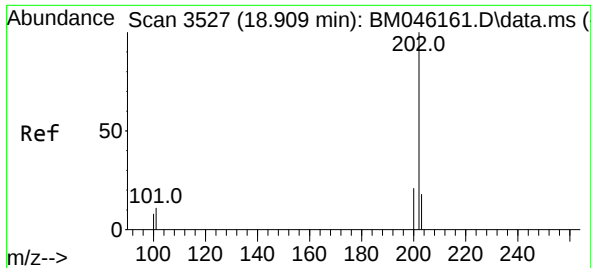
Delta R.T. -0.063 min

Lab File: BM046163.D

Acq: 21 Jun 2024 17:00

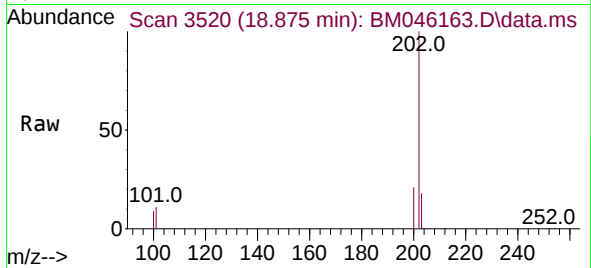
Tgt Ion:178	Resp: 13406
Ion Ratio	Lower Upper
178 100	
179 21.1	14.9 22.3
176 20.5	17.0 25.4





#19
Fluoranthene
Concen: 3.766 ng/u1
RT: 18.875 min Scan# 3520
Delta R.T. -0.042 min
Lab File: BM046163.D
Acq: 21 Jun 2024 17:00

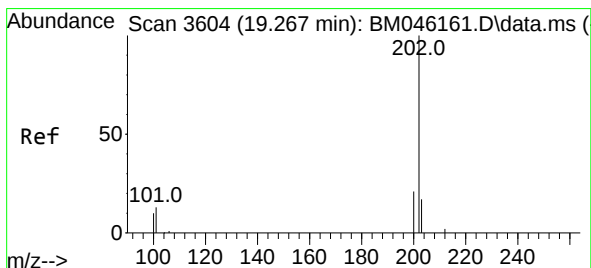
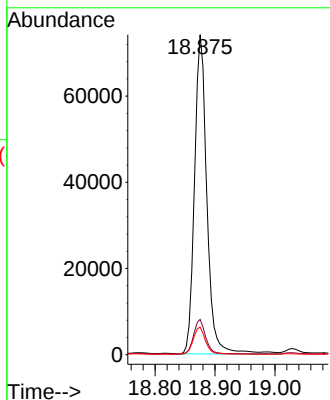
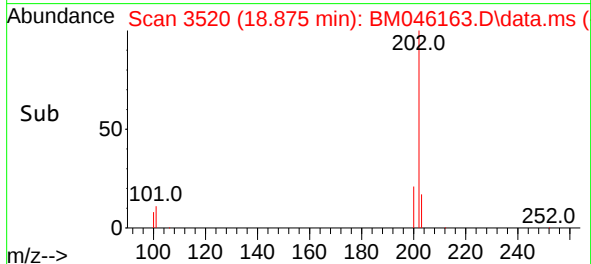
Instrument :
BNA_M
ClientSampleId :
A4BP8



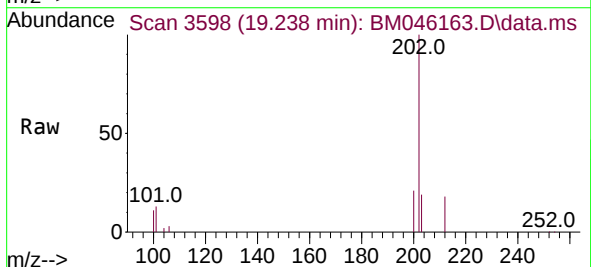
Tgt Ion:202 Resp: 106174
Ion Ratio Lower Upper
202 100
101 11.0 9.6 14.4
100 8.6 7.6 11.4

Manual Integrations
APPROVED

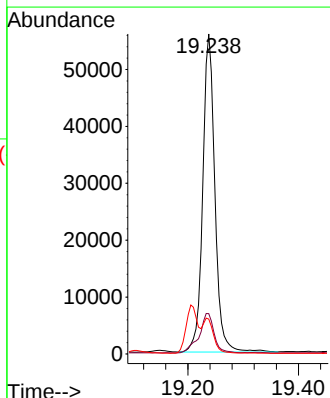
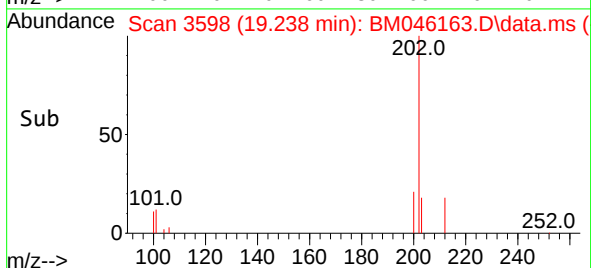
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024

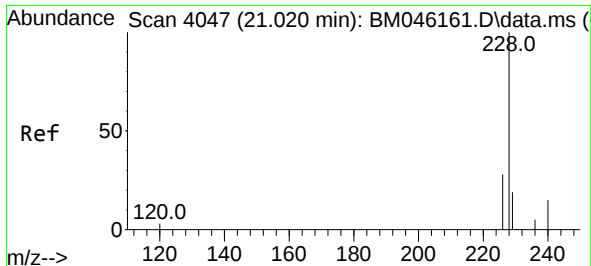


#20
Pyrene
Concen: 2.805 ng/u1
RT: 19.238 min Scan# 3598
Delta R.T. -0.037 min
Lab File: BM046163.D
Acq: 21 Jun 2024 17:00



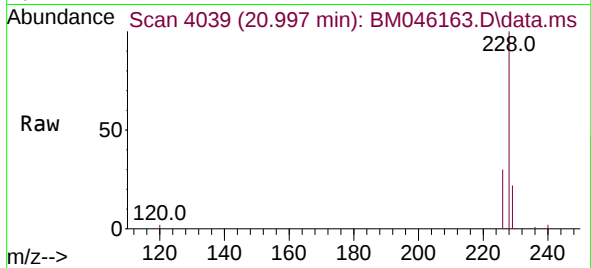
Tgt Ion:202 Resp: 85506
Ion Ratio Lower Upper
202 100
101 12.6 11.3 16.9
100 10.9 9.8 14.6





#21
Benzo(a)anthracene
Concen: 2.157 ng/ul
RT: 20.997 min Scan# 4039
Delta R.T. -0.032 min
Lab File: BM046163.D
Acq: 21 Jun 2024 17:00

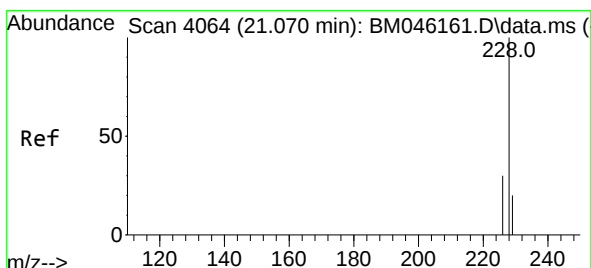
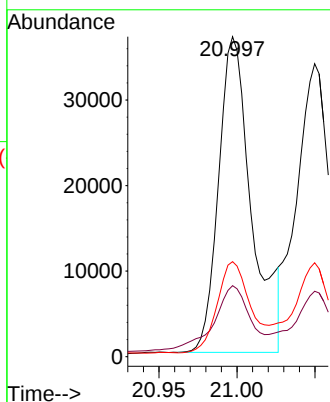
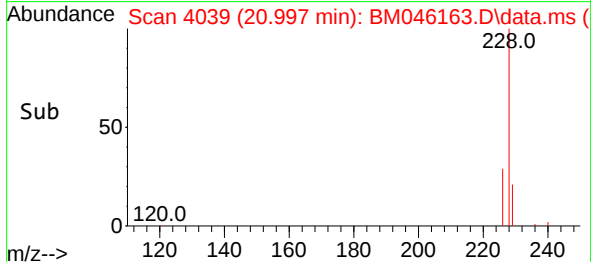
Instrument :
BNA_M
ClientSampleId :
A4BP8



Tgt Ion:228 Resp: 54239
Ion Ratio Lower Upper
228 100
229 22.2 16.4 24.6
226 29.7 23.4 35.2

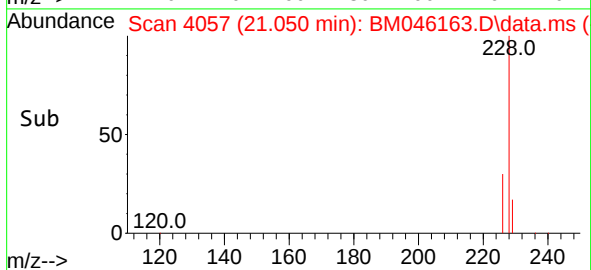
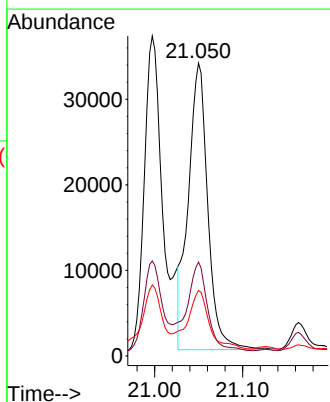
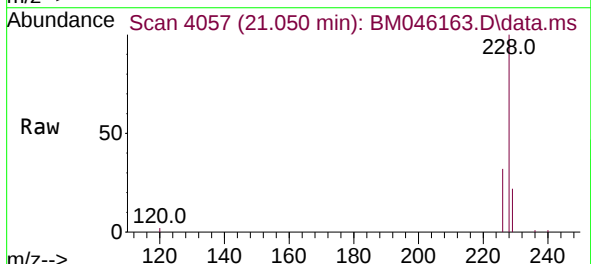
Manual Integrations
APPROVED

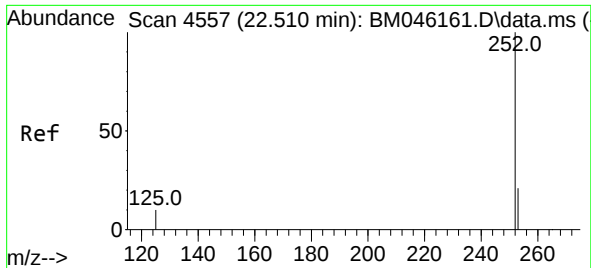
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



#22
Chrysene
Concen: 1.615 ng/ul
RT: 21.050 min Scan# 4057
Delta R.T. -0.026 min
Lab File: BM046163.D
Acq: 21 Jun 2024 17:00

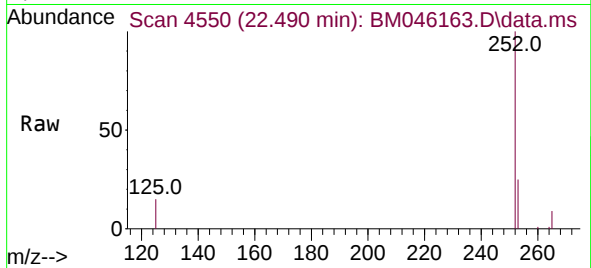
Tgt Ion:228 Resp: 51819
Ion Ratio Lower Upper
228 100
226 32.1 25.2 37.8
229 22.4 16.3 24.5





#24
Benzo(b)fluoranthene
Concen: 2.731 ng/ul m
RT: 22.490 min Scan# 4550
Delta R.T. -0.029 min
Lab File: BM046163.D
Acq: 21 Jun 2024 17:00

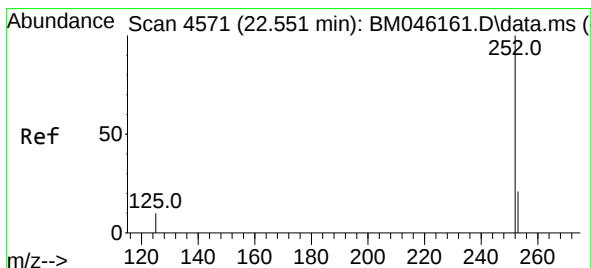
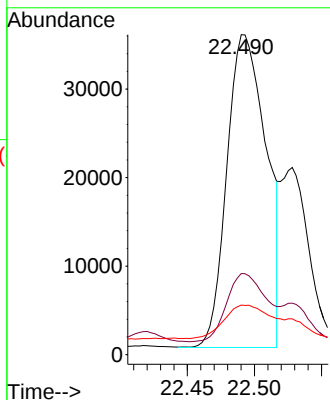
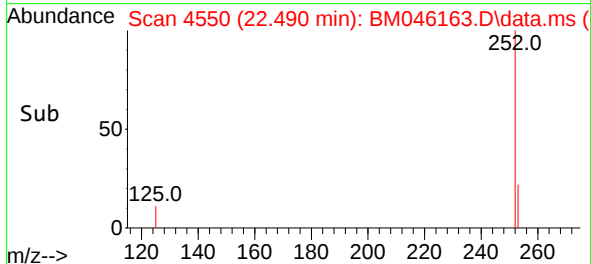
Instrument :
BNA_M
ClientSampleId :
A4BP8



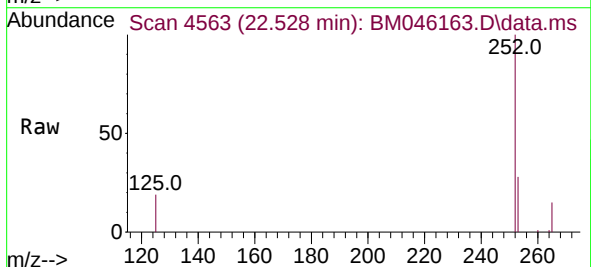
Tgt Ion:252 Resp: 72059
Ion Ratio Lower Upper
252 100
253 25.4 0.0 65.8
125 15.5 0.0 40.2

Manual Integrations
APPROVED

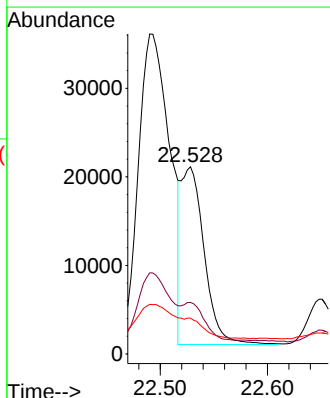
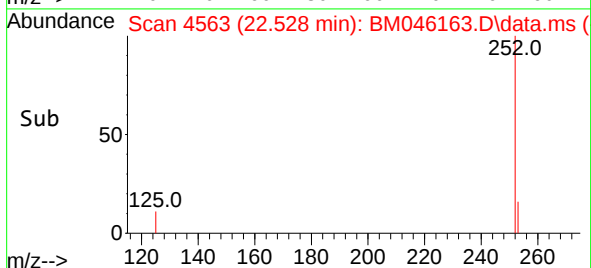
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024

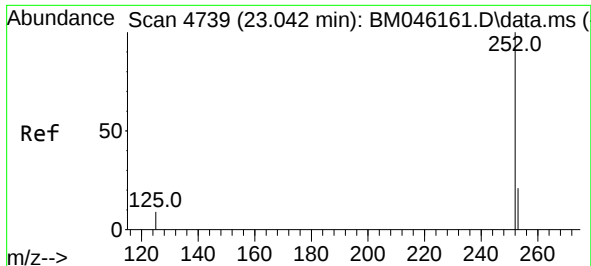


#25
Benzo(k)fluoranthene
Concen: 0.960 ng/ul m
RT: 22.528 min Scan# 4563
Delta R.T. -0.035 min
Lab File: BM046163.D
Acq: 21 Jun 2024 17:00



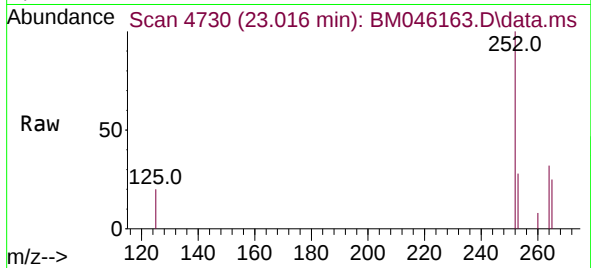
Tgt Ion:252 Resp: 30104
Ion Ratio Lower Upper
252 100
253 27.5 27.2 40.8
125 19.1 16.6 25.0





#26
Benzo(a)pyrene
Concen: 1.138 ng/ul m
RT: 23.016 min Scan# 4739
Delta R.T. -0.038 min
Lab File: BM046163.D
Acq: 21 Jun 2024 17:00

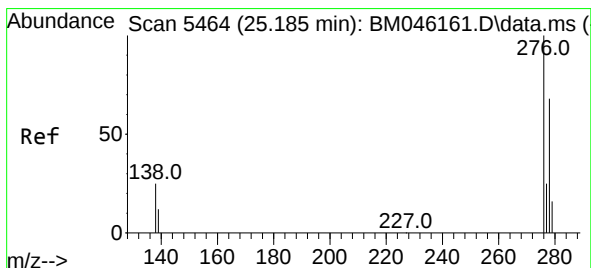
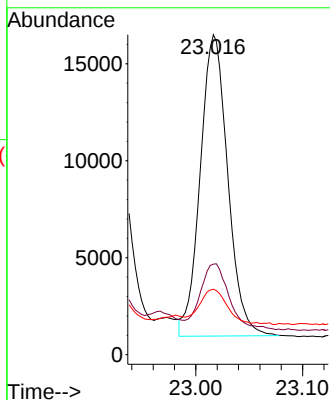
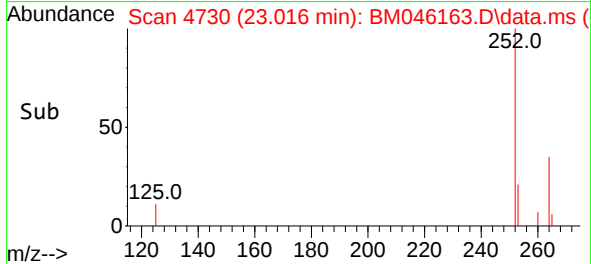
Instrument :
BNA_M
ClientSampleId :
A4BP8



Tgt Ion:252 Resp: 2783
Ion Ratio Lower Upper
252 100
253 28.3 32.1 48.1#
125 20.5 21.2 31.8#

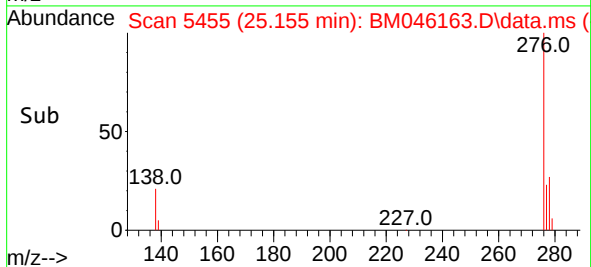
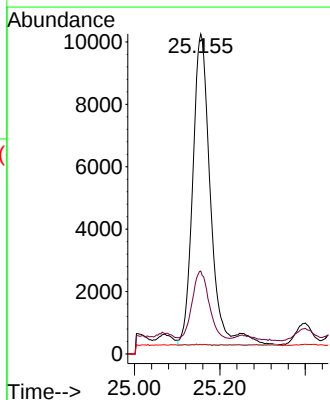
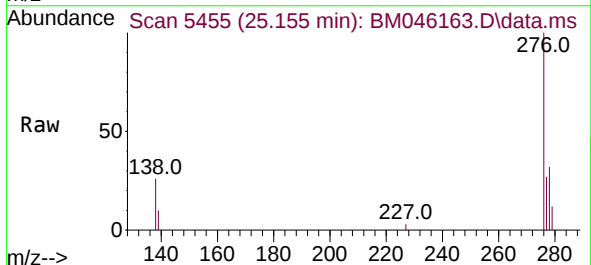
Manual Integrations
APPROVED

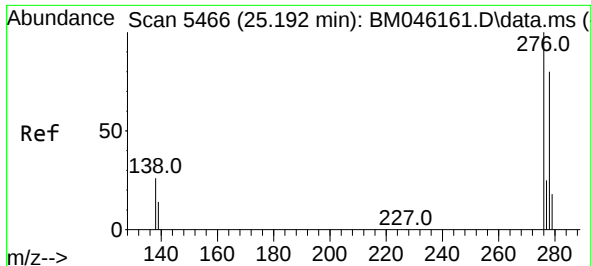
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.715 ng/ul
RT: 25.155 min Scan# 5455
Delta R.T. -0.047 min
Lab File: BM046163.D
Acq: 21 Jun 2024 17:00

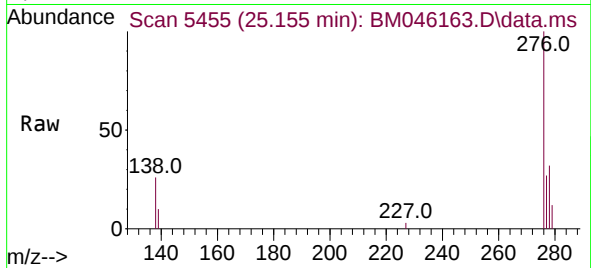
Tgt Ion:276 Resp: 28598
Ion Ratio Lower Upper
276 100
138 20.8 21.0 31.4#
227 0.1 0.0 0.0#





#28
Dibenzo(a,h)anthracene
Concen: 0.304 ng/ul
RT: 25.155 min Scan# 5466
Delta R.T. -0.060 min
Lab File: BM046163.D
Acq: 21 Jun 2024 17:00

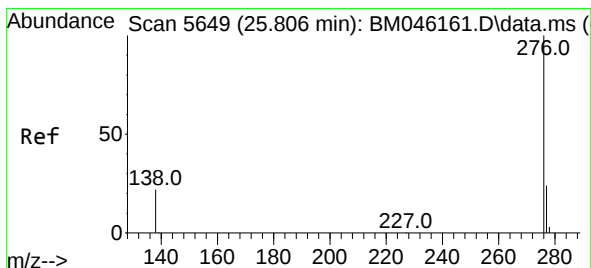
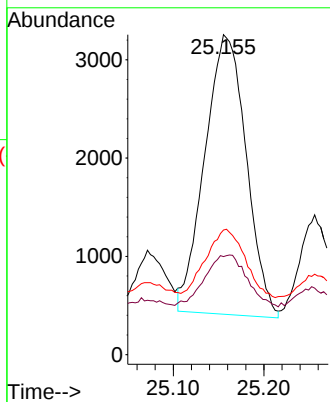
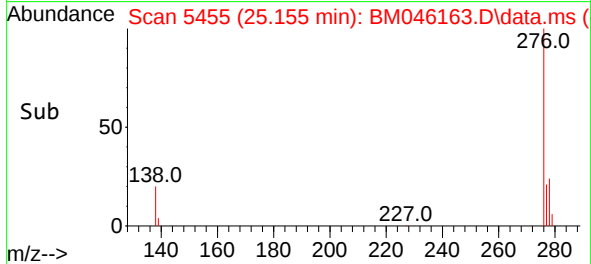
Instrument :
BNA_M
ClientSampleId :
A4BP8



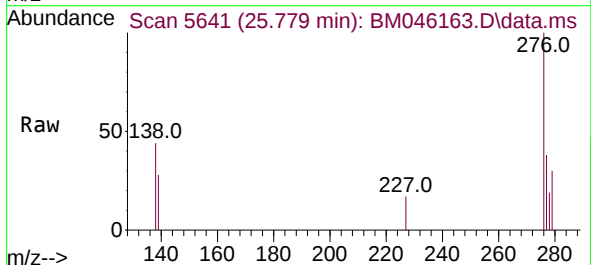
Tgt Ion:278 Resp: 904
Ion Ratio Lower Upper
278 100
139 30.7 17.6 26.4
279 38.9 26.3 39.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



#29
Benzo(g,h,i)perylene
Concen: 0.122 ng/ul
RT: 25.779 min Scan# 5641
Delta R.T. -0.050 min
Lab File: BM046163.D
Acq: 21 Jun 2024 17:00



Tgt Ion:276 Resp: 4198
Ion Ratio Lower Upper
276 100
138 44.0 21.7 32.5#
277 38.4 20.4 30.6#

