

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046130.D
 Acq On : 20 Jun 2024 19:24
 Operator : MA/JU
 Sample : P2710-21
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4B87

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/21/2024
 Supervised By :mohammad ahmed 06/24/2024

Quant Time: Jun 21 02:48:32 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	7.422	152	2535	0.400	ng/ul	-0.04
4) Naphthalene-d8	10.187	136	7274	0.400	ng/ul	-0.07
9) Acenaphthene-d10	14.066	164	4239	0.400	ng/ul	-0.05
13) Phenanthrene-d10	16.807	188	9582m	0.400	ng/ul	-0.05
17) Chrysene-d12	21.009	240	6384m	0.400	ng/ul	-0.03
23) Perylene-d12	23.104	264	10145	0.400	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.029	96	20758	5.968	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.804	152	4481	0.459	ng/ul	-0.06
18) Fluoranthene-d10	18.843	212	10914	0.571	ng/ul	-0.04
Target Compounds						Qvalue
5) Naphthalene	10.237	128	38765	1.911	ng/ul#	93
7) 2-Methylnaphthalene	11.876	142	14582	1.277	ng/ul	98
8) 1-Methylnaphthalene	12.096	142	13274	1.060	ng/ul	98
10) Acenaphthylene	13.784	152	44009	2.189	ng/ul	97
11) Acenaphthene	14.131	153	61347	4.226	ng/ul	97
12) Fluorene	15.121	166	83819	5.382	ng/ul	99
15) Phenanthrene	16.849	178	1418565m	52.694	ng/ul	
16) Anthracene	16.942	178	254473m	12.692	ng/ul	
19) Fluoranthene	18.875	202	2159803	78.136	ng/ul	97
20) Pyrene	19.238	202	1436591	48.058	ng/ul	97
21) Benzo(a)anthracene	20.991	228	905838m	36.734	ng/ul	
22) Chrysene	21.044	228	901955	28.661	ng/ul	99
24) Benzo(b)fluoranthene	22.490	252	1190638m	32.575	ng/ul	
25) Benzo(k)fluoranthene	22.525	252	435096m	10.013	ng/ul	
26) Benzo(a)pyrene	23.014	252	453236m	13.382	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.152	276	412678	7.445	ng/ul#	93
28) Dibenzo(a,h)anthracene	25.152	278	144117	3.492	ng/ul	92
29) Benzo(g,h,i)perylene	25.773	276	56990	1.199	ng/ul	97

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

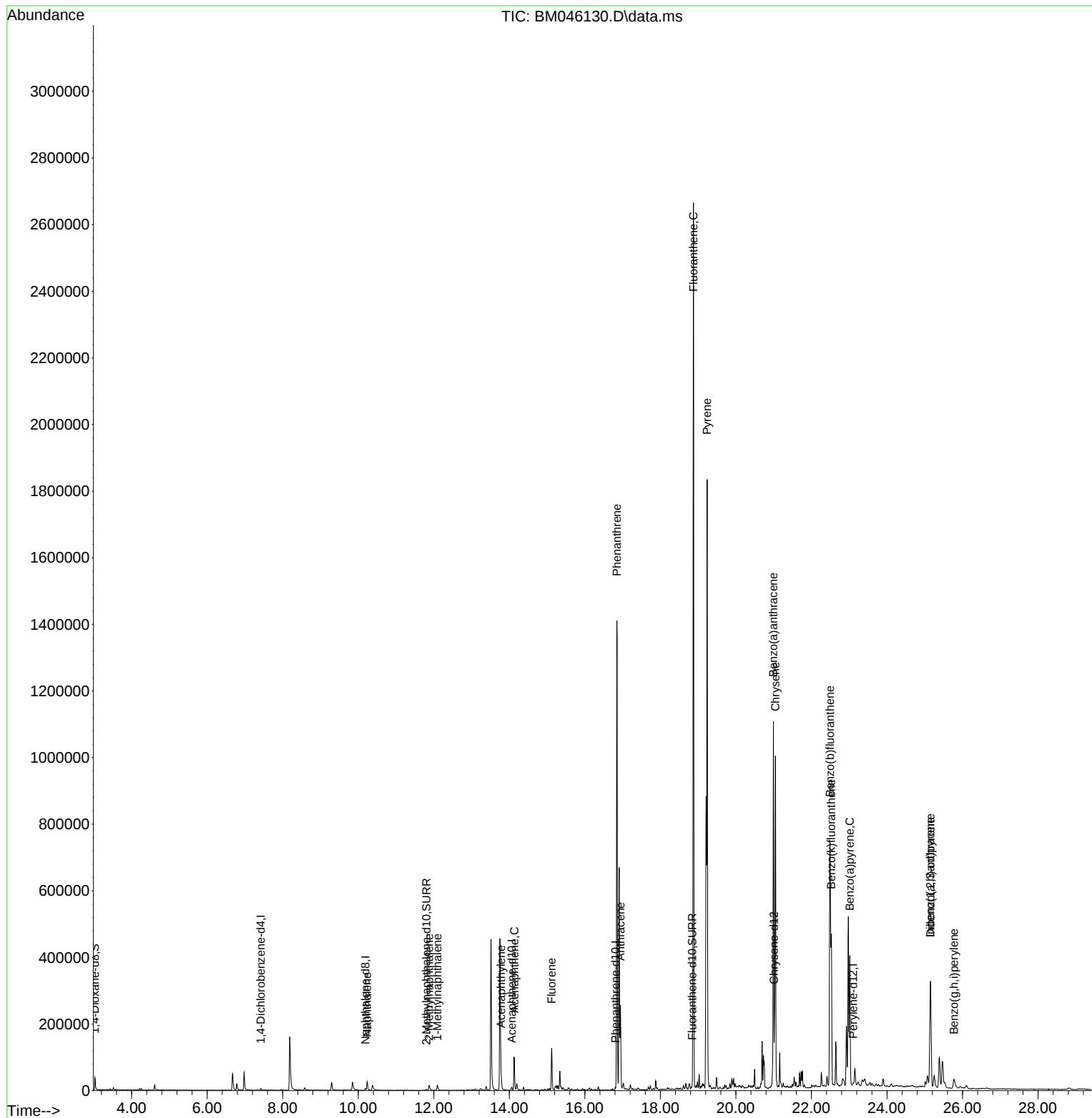
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046130.D
Acq On : 20 Jun 2024 19:24
Operator : MA/JU
Sample : P2710-21
Misc :
ALS Vial : 18 Sample Multiplier: 1

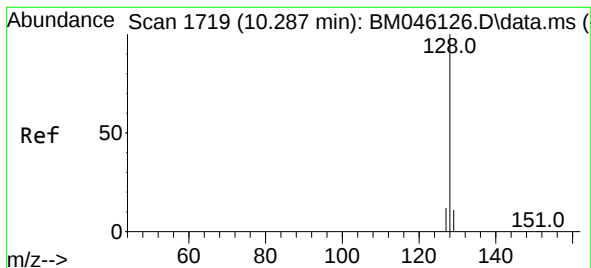
Instrument :
BNA_M
ClientSampleId :
A4B87

Quant Time: Jun 21 02:48:32 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

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024





#5

Naphthalene

Concen: 1.911 ng/ul

RT: 10.237 min Scan# 1

Delta R.T. -0.066 min

Lab File: BM046130.D

Acq: 20 Jun 2024 19:24

Instrument :

BNA_M

ClientSampleId :

A4B87

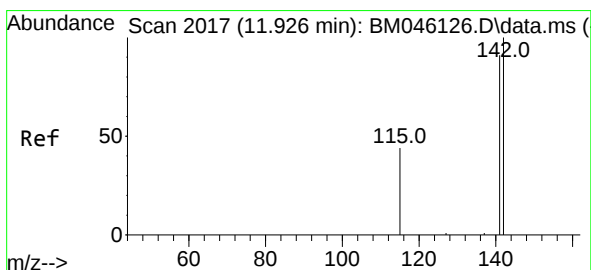
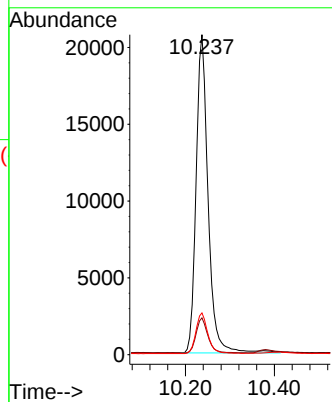
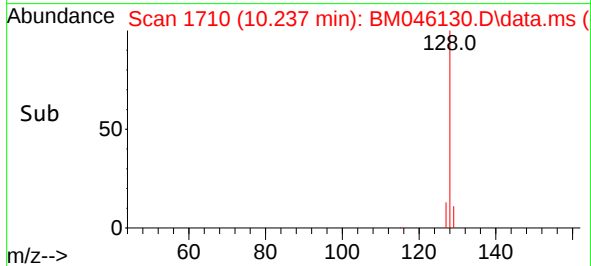
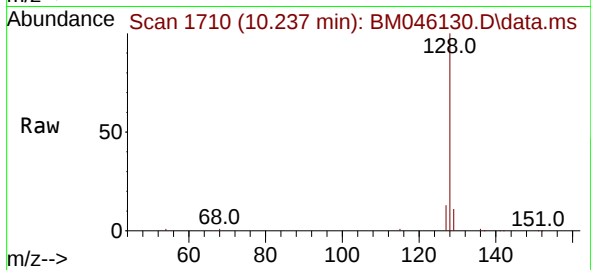
Tgt Ion:128 Resp: 3876

Ion	Ratio	Lower	Upper
128	100		
129	11.5	11.8	17.6
127	13.1	12.8	19.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



#7

2-Methylnaphthalene

Concen: 1.277 ng/ul

RT: 11.876 min Scan# 2008

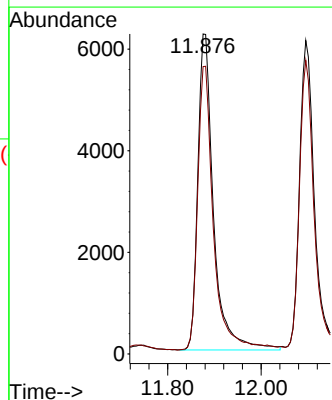
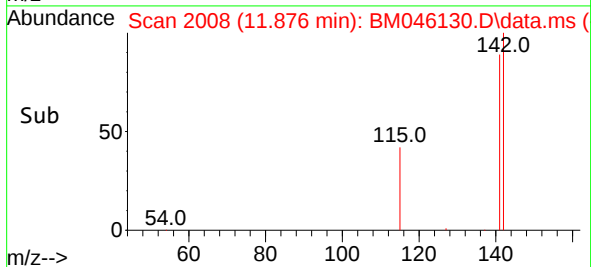
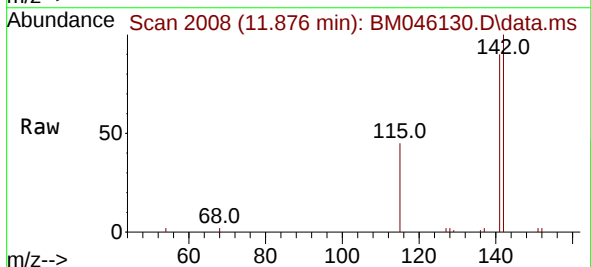
Delta R.T. -0.071 min

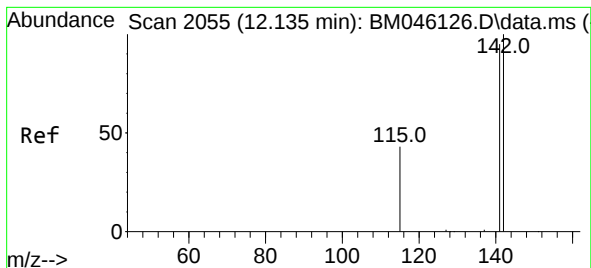
Lab File: BM046130.D

Acq: 20 Jun 2024 19:24

Tgt Ion:142 Resp: 14582

Ion	Ratio	Lower	Upper
142	100		
141	91.0	74.6	111.8





#8

1-Methylnaphthalene

Concen: 1.060 ng/ul

RT: 12.096 min Scan# 2055

Delta R.T. -0.055 min

Lab File: BM046130.D

Acq: 20 Jun 2024 19:24

Instrument :

BNA_M

ClientSampleId :

A4B87

Tgt Ion:142 Resp: 13274

Ion Ratio Lower Upper

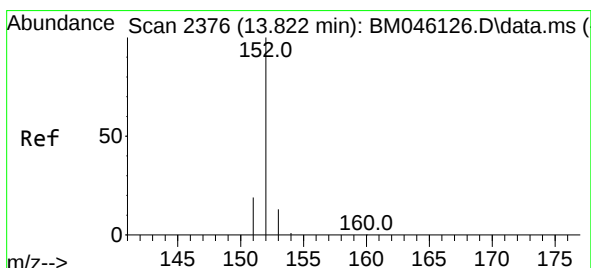
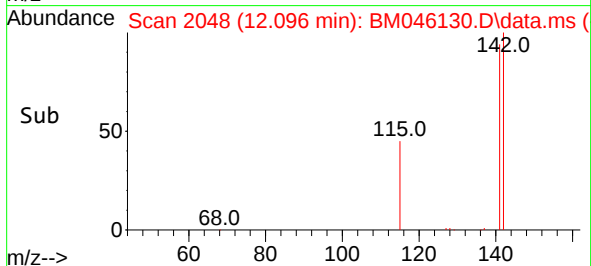
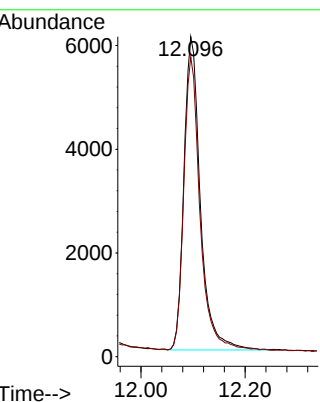
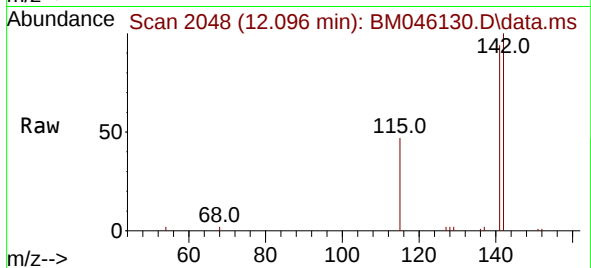
142 100

141 92.3 75.2 112.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



#10

Acenaphthylene

Concen: 2.189 ng/ul

RT: 13.784 min Scan# 2368

Delta R.T. -0.051 min

Lab File: BM046130.D

Acq: 20 Jun 2024 19:24

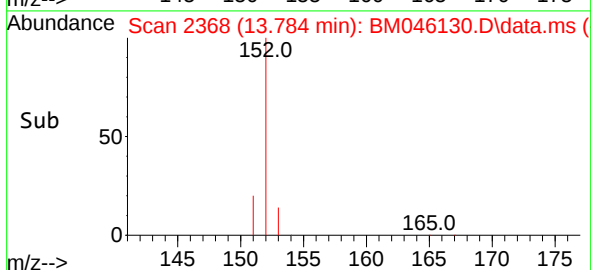
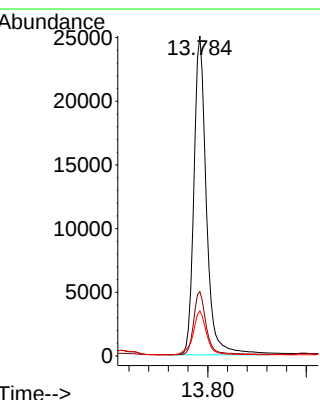
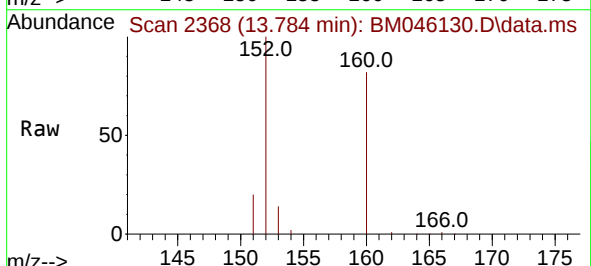
Tgt Ion:152 Resp: 44009

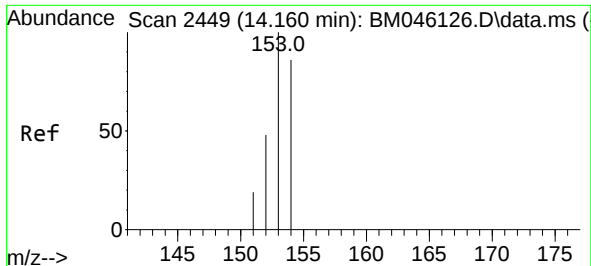
Ion Ratio Lower Upper

152 100

151 20.1 17.4 26.2

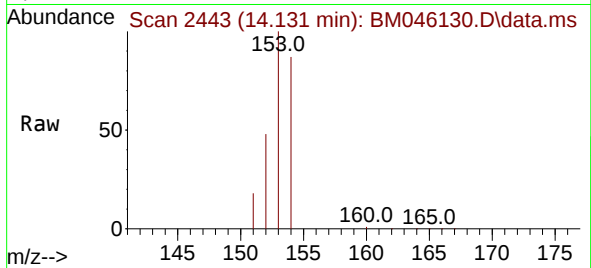
153 14.1 11.8 17.8





#11
Acenaphthene
Concen: 4.226 ng/ul
RT: 14.131 min Scan# 2443
Delta R.T. -0.042 min
Lab File: BM046130.D
Acq: 20 Jun 2024 19:24

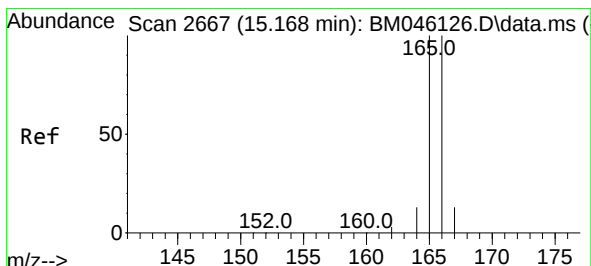
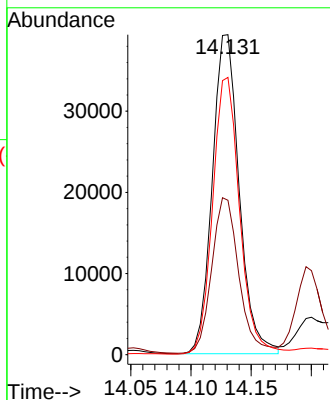
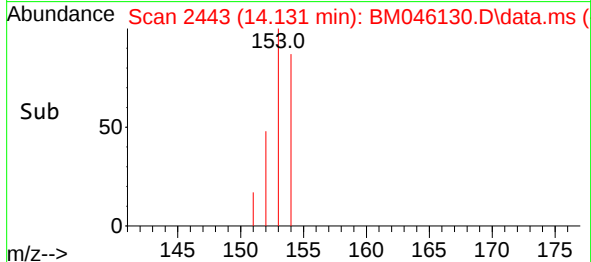
Instrument :
BNA_M
ClientSampleId :
A4B87



Tgt Ion:153 Resp: 6134
Ion Ratio Lower Upper
153 100
152 48.3 41.3 61.9
154 86.6 68.2 102.4

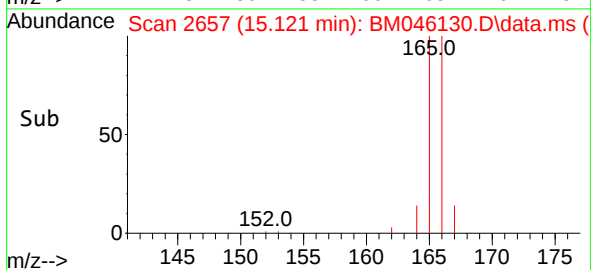
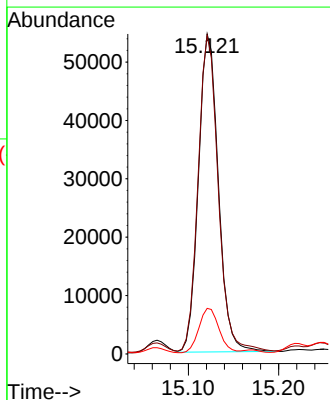
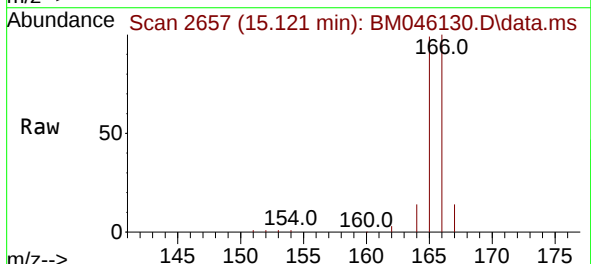
Manual Integrations
APPROVED

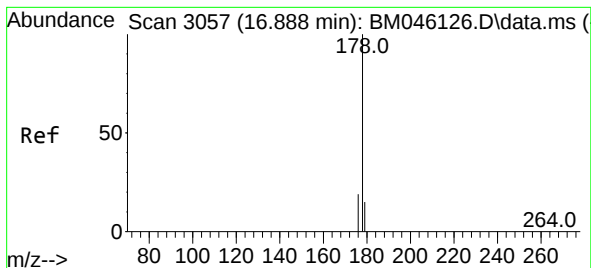
Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



#12
Fluorene
Concen: 5.382 ng/ul
RT: 15.121 min Scan# 2657
Delta R.T. -0.060 min
Lab File: BM046130.D
Acq: 20 Jun 2024 19:24

Tgt Ion:166 Resp: 83819
Ion Ratio Lower Upper
166 100
165 99.5 80.4 120.6
167 14.3 12.4 18.6





#15

Phenanthrene

Concen: 52.694 ng/ul m

RT: 16.849 min Scan# 3048

Delta R.T. -0.055 min

Lab File: BM046130.D

Acq: 20 Jun 2024 19:24

Instrument :

BNA_M

ClientSampleId :

A4B87

Tgt Ion:178 Resp: 141856

Ion Ratio Lower Upper

178 100

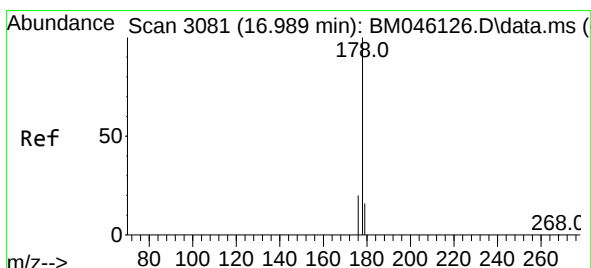
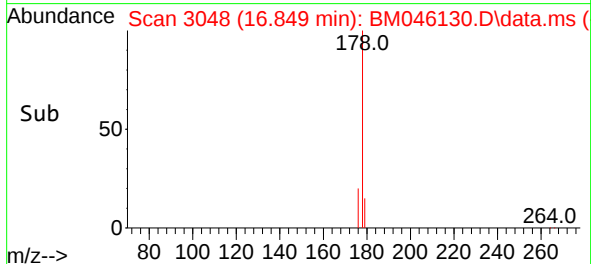
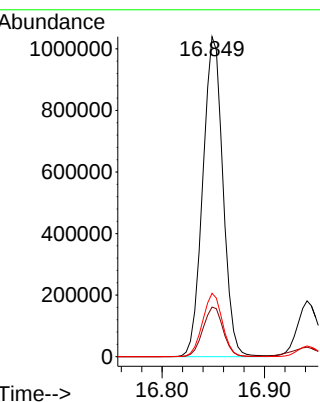
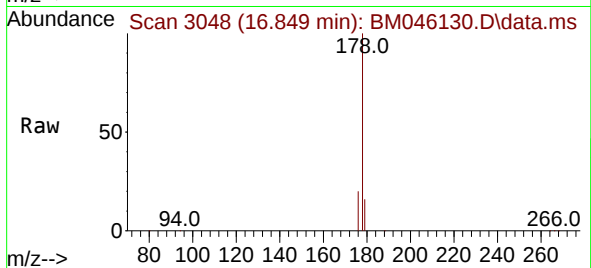
179 15.5 14.2 21.2

176 19.8 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



#16

Anthracene

Concen: 12.692 ng/ul m

RT: 16.942 min Scan# 3070

Delta R.T. -0.063 min

Lab File: BM046130.D

Acq: 20 Jun 2024 19:24

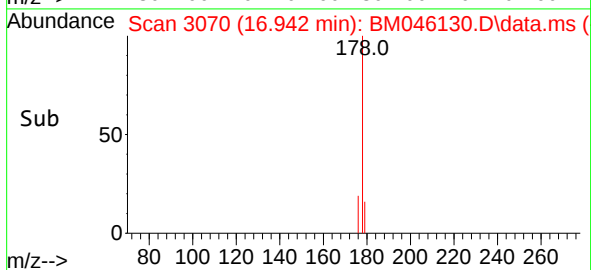
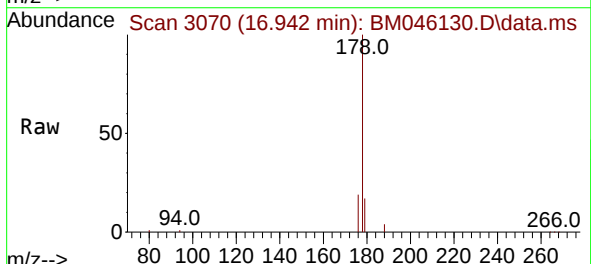
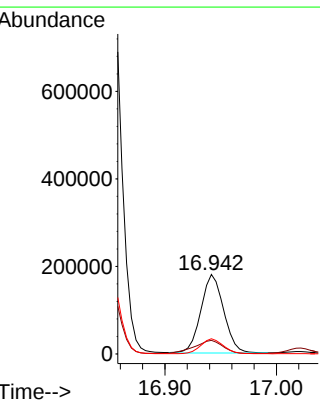
Tgt Ion:178 Resp: 254473

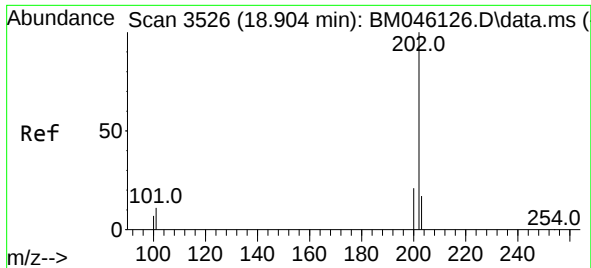
Ion Ratio Lower Upper

178 100

179 17.0 14.9 22.3

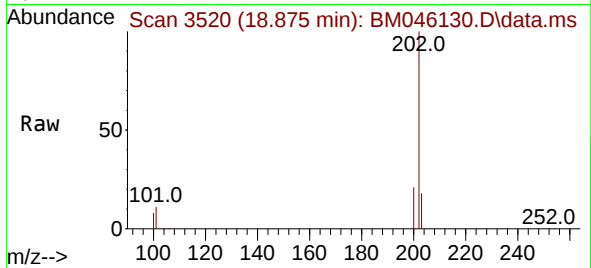
176 19.1 17.0 25.4





#19
Fluoranthene
Concen: 78.136 ng/u1
RT: 18.875 min Scan# 31
Delta R.T. -0.042 min
Lab File: BM046130.D
Acq: 20 Jun 2024 19:24

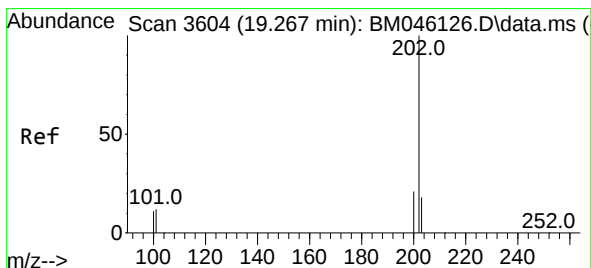
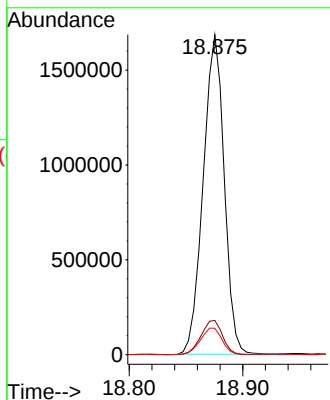
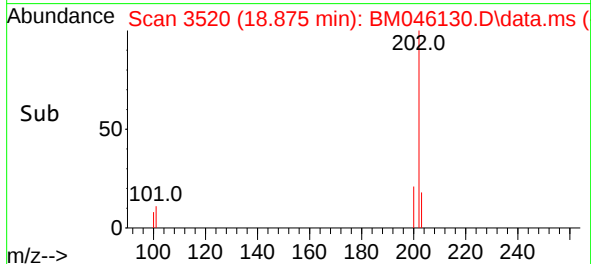
Instrument :
BNA_M
ClientSampleId :
A4B87



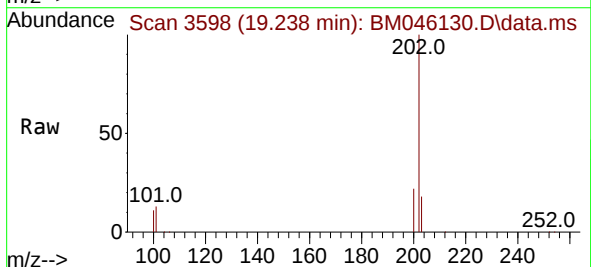
Tgt Ion:202 Resp: 215980
Ion Ratio Lower Upper
202 100
101 10.7 9.6 14.4
100 8.2 7.6 11.4

Manual Integrations
APPROVED

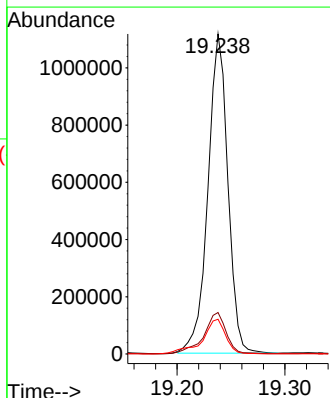
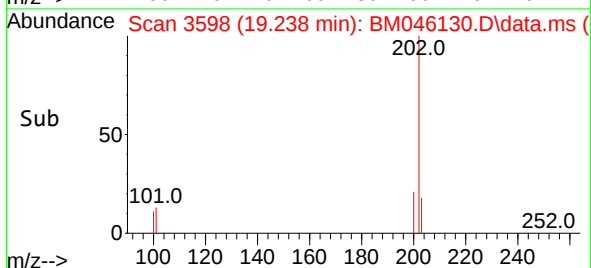
Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024

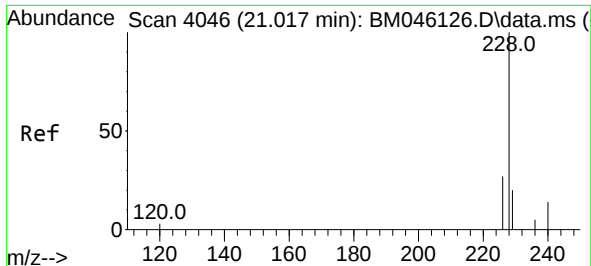


#20
Pyrene
Concen: 48.058 ng/u1
RT: 19.238 min Scan# 3598
Delta R.T. -0.037 min
Lab File: BM046130.D
Acq: 20 Jun 2024 19:24



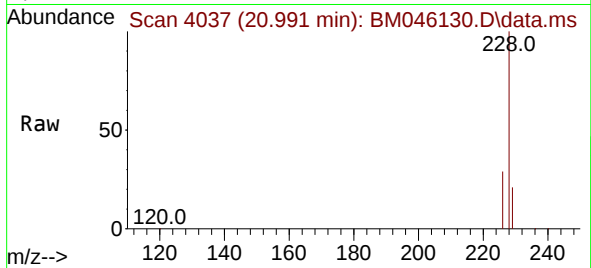
Tgt Ion:202 Resp: 1436591
Ion Ratio Lower Upper
202 100
101 13.0 11.3 16.9
100 10.9 9.8 14.6





#21
Benzo(a)anthracene
Concen: 36.734 ng/ul m
RT: 20.991 min Scan# 4055
Delta R.T. -0.038 min
Lab File: BM046130.D
Acq: 20 Jun 2024 19:24

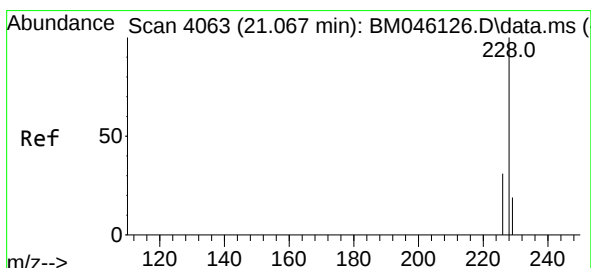
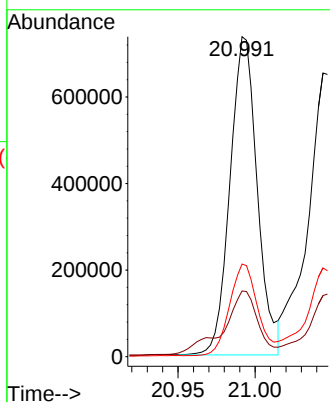
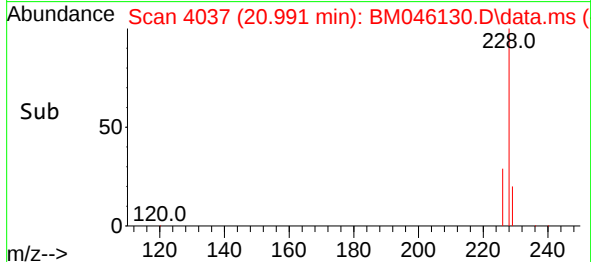
Instrument :
BNA_M
ClientSampleId :
A4B87



Tgt Ion:228 Resp: 905838
Ion Ratio Lower Upper
228 100
229 20.5 16.4 24.6
226 29.0 23.4 35.2

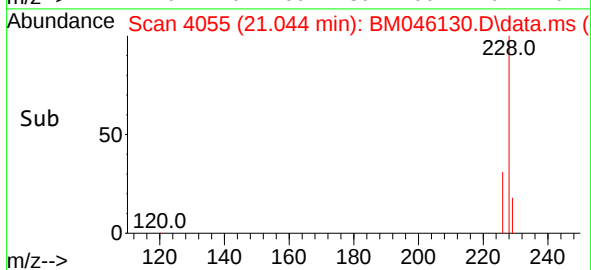
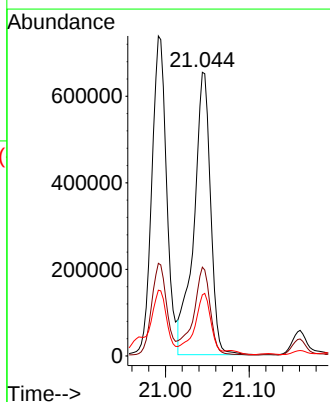
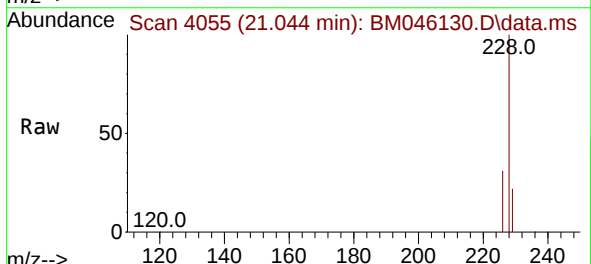
Manual Integrations
APPROVED

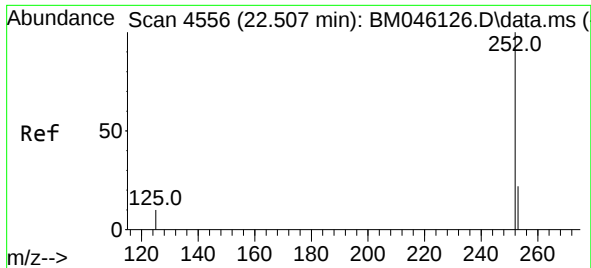
Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



#22
Chrysene
Concen: 28.661 ng/ul
RT: 21.044 min Scan# 4055
Delta R.T. -0.032 min
Lab File: BM046130.D
Acq: 20 Jun 2024 19:24

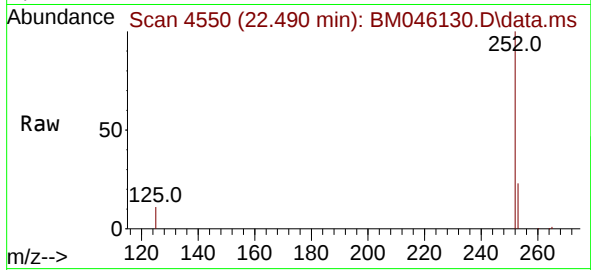
Tgt Ion:228 Resp: 901955
Ion Ratio Lower Upper
228 100
226 31.3 25.2 37.8
229 21.5 16.3 24.5





#24
Benzo(b)fluoranthene
Concen: 32.575 ng/ul m
RT: 22.490 min Scan# 4550
Delta R.T. -0.029 min
Lab File: BM046130.D
Acq: 20 Jun 2024 19:24

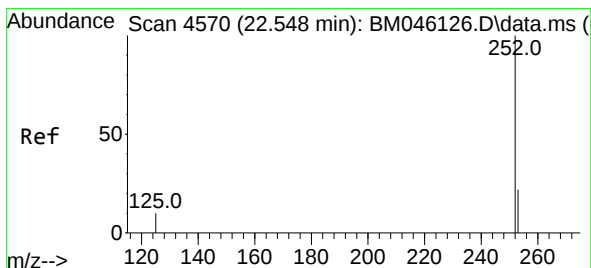
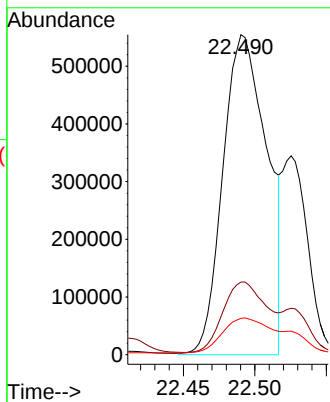
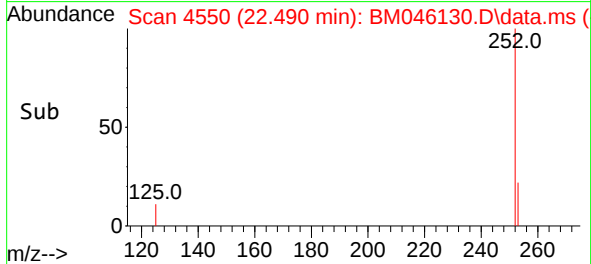
Instrument :
BNA_M
ClientSampleId :
A4B87



Tgt Ion:252 Resp: 1190638
Ion Ratio Lower Upper
252 100
253 22.7 0.0 65.8
125 11.4 0.0 40.2

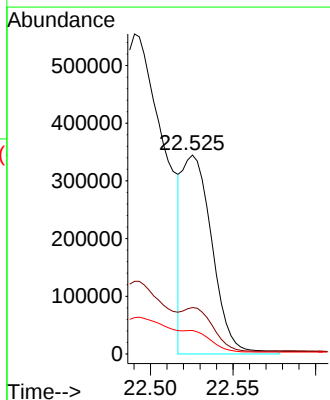
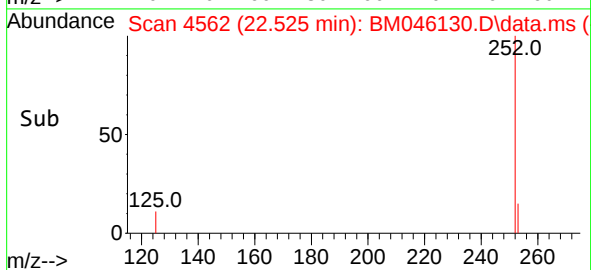
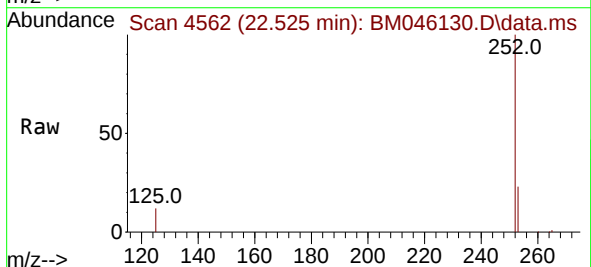
Manual Integrations
APPROVED

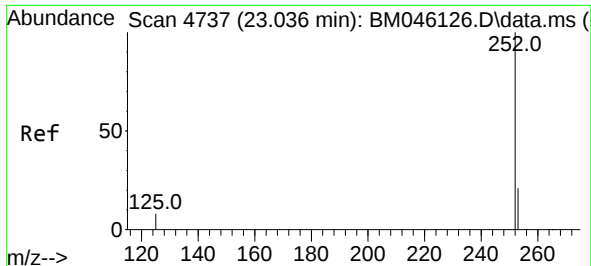
Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



#25
Benzo(k)fluoranthene
Concen: 10.013 ng/ul m
RT: 22.525 min Scan# 4562
Delta R.T. -0.038 min
Lab File: BM046130.D
Acq: 20 Jun 2024 19:24

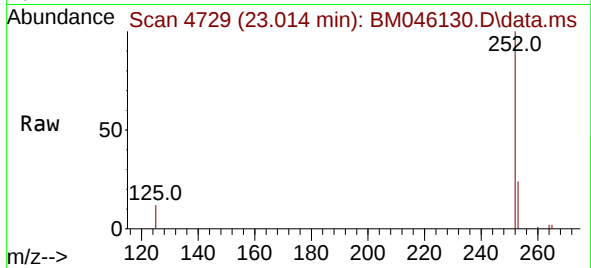
Tgt Ion:252 Resp: 435096
Ion Ratio Lower Upper
252 100
253 23.4 27.2 40.8#
125 11.8 16.6 25.0#





#26
Benzo(a)pyrene
Concen: 13.382 ng/ul m
RT: 23.014 min Scan# 4
Delta R.T. -0.041 min
Lab File: BM046130.D
Acq: 20 Jun 2024 19:24

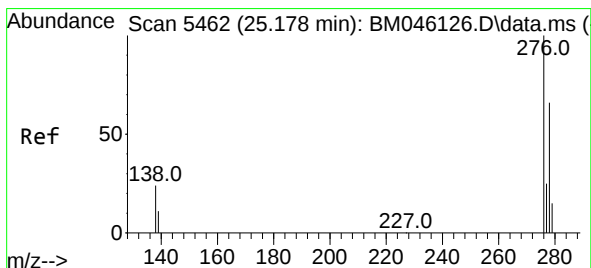
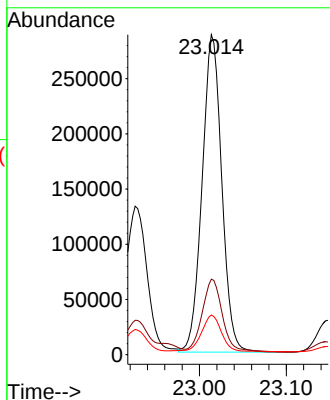
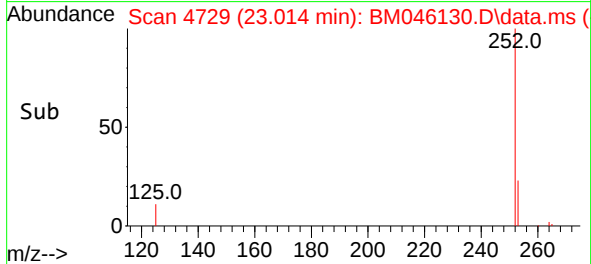
Instrument :
BNA_M
ClientSampleId :
A4B87



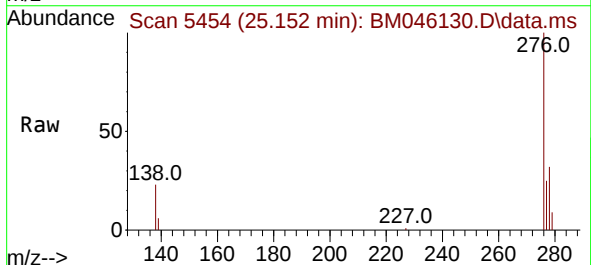
Tgt Ion:252 Resp: 453230
Ion Ratio Lower Upper
252 100
253 23.6 32.1 48.1
125 12.4 21.2 31.8

Manual Integrations
APPROVED

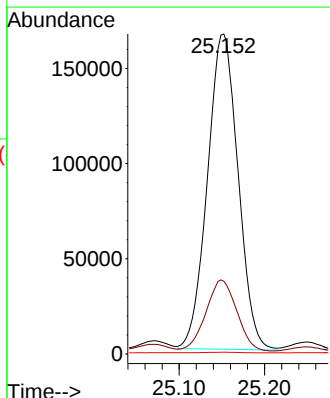
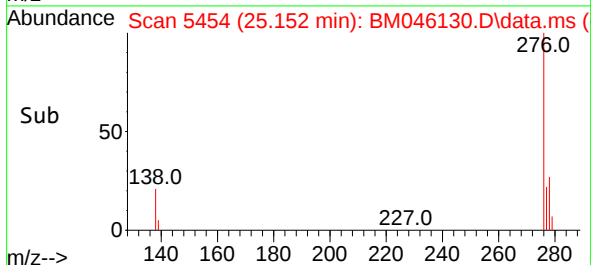
Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024

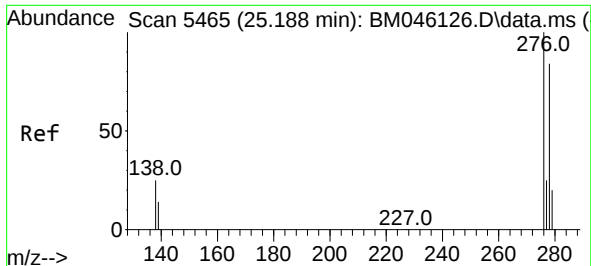


#27
Indeno(1,2,3-cd)pyrene
Concen: 7.445 ng/ul
RT: 25.152 min Scan# 5454
Delta R.T. -0.050 min
Lab File: BM046130.D
Acq: 20 Jun 2024 19:24



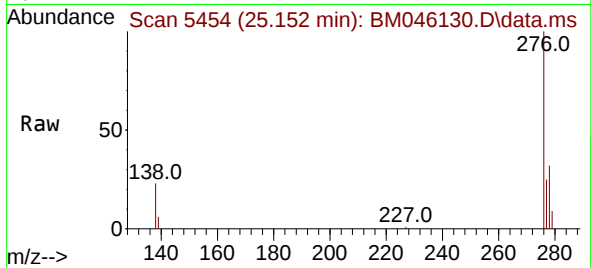
Tgt Ion:276 Resp: 412678
Ion Ratio Lower Upper
276 100
138 22.6 21.0 31.4
227 0.2 0.0 0.0





#28
Dibenzo(a,h)anthracene
Concen: 3.492 ng/ul
RT: 25.152 min Scan# 5465
Delta R.T. -0.064 min
Lab File: BM046130.D
Acq: 20 Jun 2024 19:24

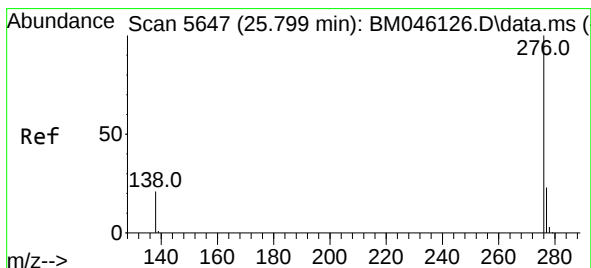
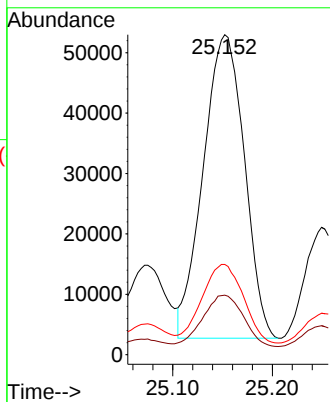
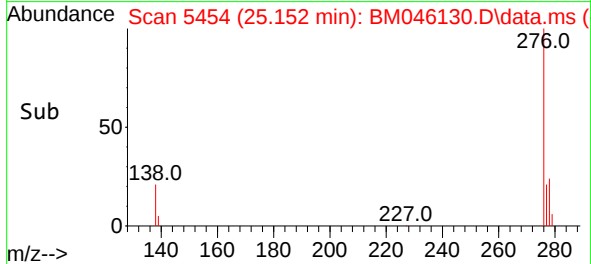
Instrument :
BNA_M
ClientSampleId :
A4B87



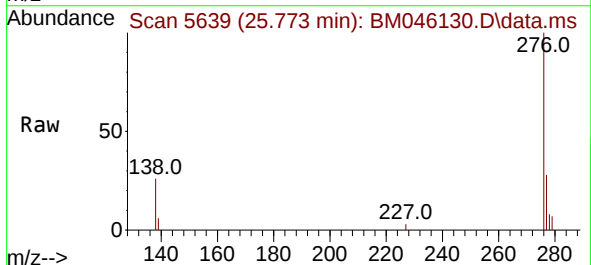
Tgt Ion:278 Resp: 14411
Ion Ratio Lower Upper
278 100
139 18.6 17.6 26.4
279 28.2 26.3 39.5

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



#29
Benzo(g,h,i)perylene
Concen: 1.199 ng/ul
RT: 25.773 min Scan# 5639
Delta R.T. -0.057 min
Lab File: BM046130.D
Acq: 20 Jun 2024 19:24



Tgt Ion:276 Resp: 56990
Ion Ratio Lower Upper
276 100
138 26.4 21.7 32.5
277 28.1 20.4 30.6

