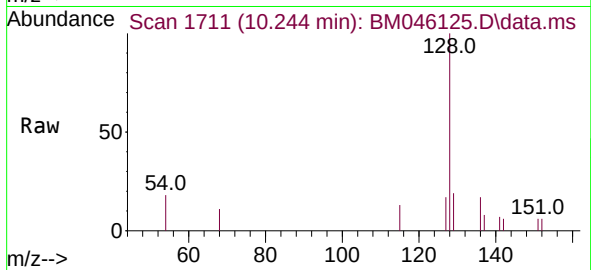


#5
Naphthalene
Concen: 0.094 ng/ul
RT: 10.244 min Scan# 1711
Delta R.T. -0.059 min
Lab File: BM046125.D
Acq: 20 Jun 2024 16:20

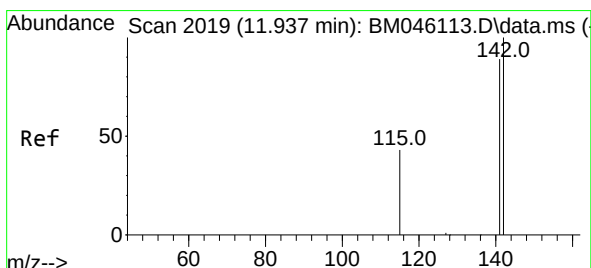
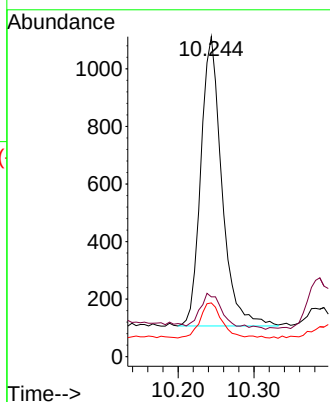
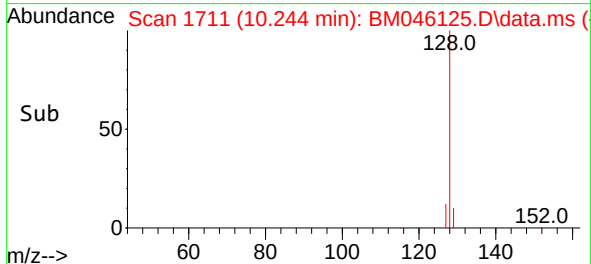
Instrument :
BNA_M
ClientSampleId :
A4BM3



Tgt Ion:128 Resp: 1927
Ion Ratio Lower Upper
128 100
129 18.7 11.8 17.6
127 16.8 12.8 19.2

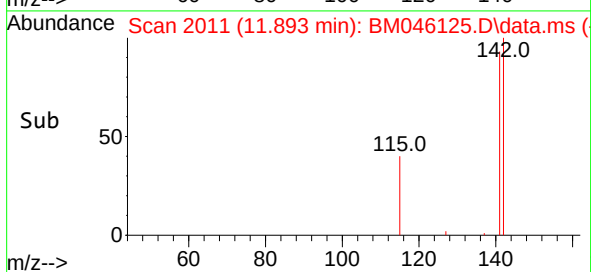
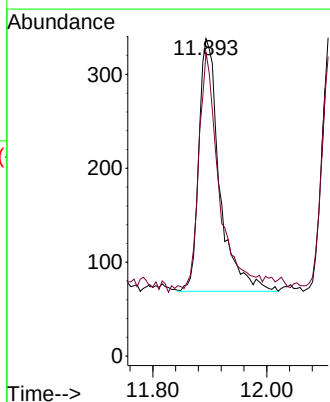
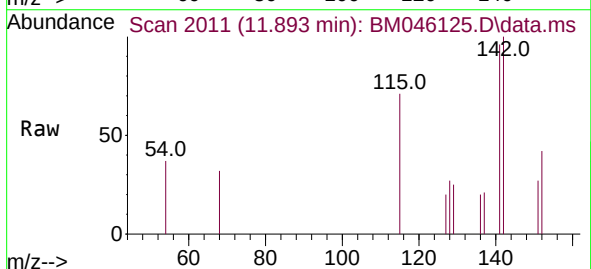
Manual Integrations
APPROVED

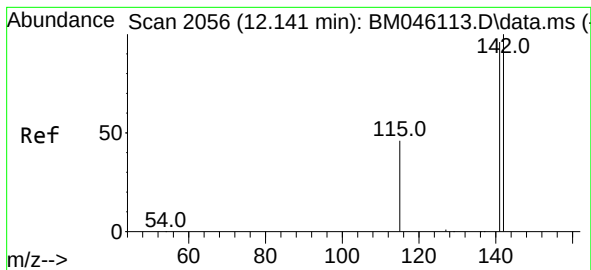
Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



#7
2-Methylnaphthalene
Concen: 0.059 ng/ul
RT: 11.893 min Scan# 2011
Delta R.T. -0.054 min
Lab File: BM046125.D
Acq: 20 Jun 2024 16:20

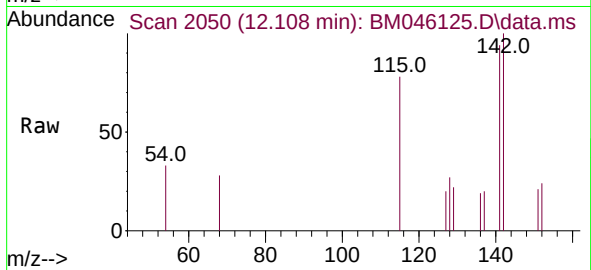
Tgt Ion:142 Resp: 679
Ion Ratio Lower Upper
142 100
141 96.3 74.6 111.8





#8
1-Methylnaphthalene
Concen: 0.048 ng/ul
RT: 12.108 min Scan# 2050
Delta R.T. -0.043 min
Lab File: BM046125.D
Acq: 20 Jun 2024 16:20

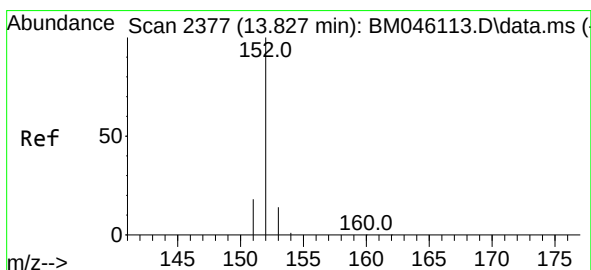
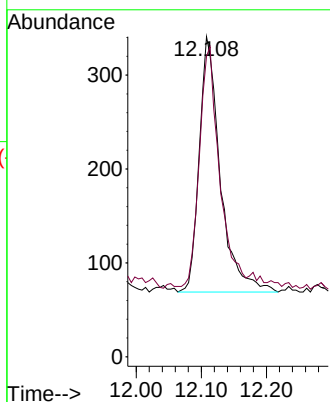
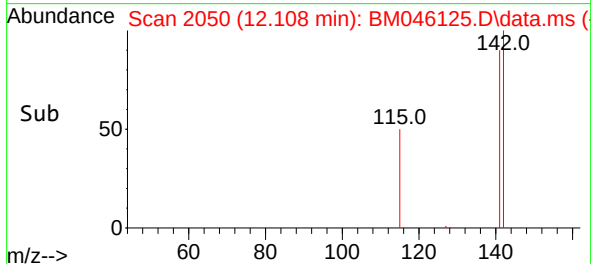
Instrument :
BNA_M
ClientSampleId :
A4BM3



Tgt Ion:142 Resp: 610
Ion Ratio Lower Upper
142 100
141 92.0 75.2 112.8

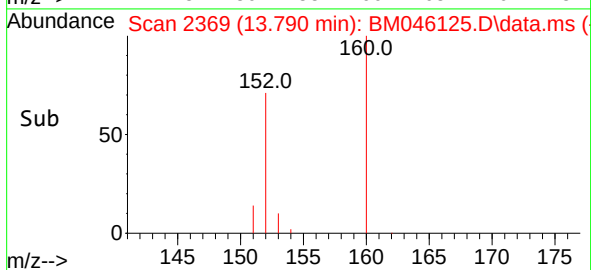
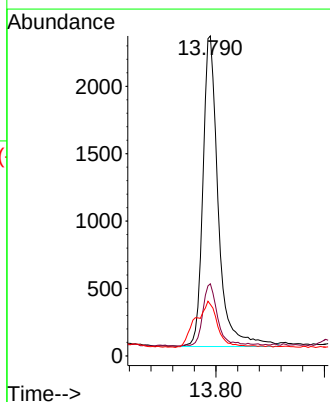
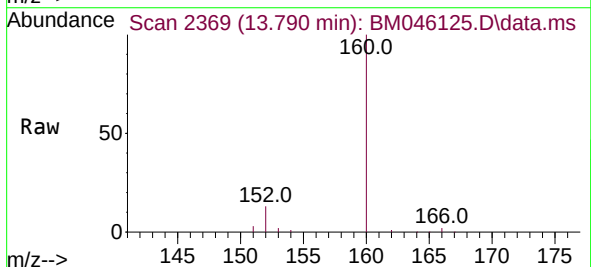
Manual Integrations
APPROVED

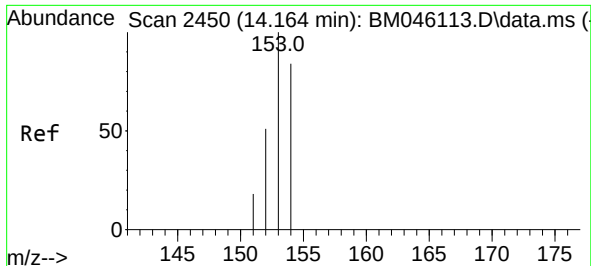
Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



#10
Acenaphthylene
Concen: 0.238 ng/ul
RT: 13.790 min Scan# 2369
Delta R.T. -0.045 min
Lab File: BM046125.D
Acq: 20 Jun 2024 16:20

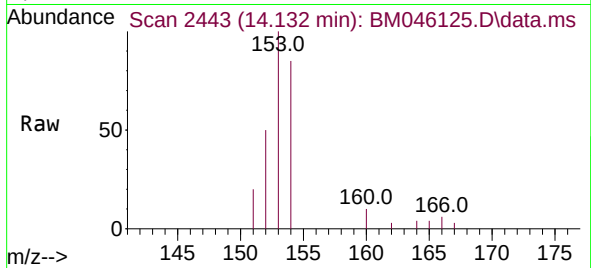
Tgt Ion:152 Resp: 4521
Ion Ratio Lower Upper
152 100
151 22.5 17.4 26.2
153 16.1 11.8 17.8





#11
Acenaphthene
Concen: 0.305 ng/u1
RT: 14.132 min Scan# 2450
Delta R.T. -0.040 min
Lab File: BM046125.D
Acq: 20 Jun 2024 16:20

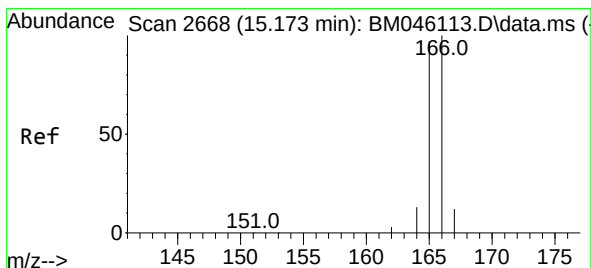
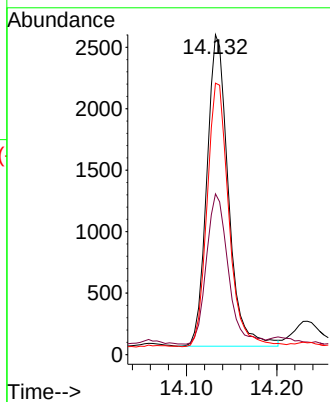
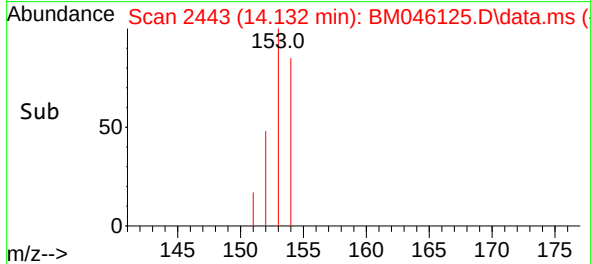
Instrument :
BNA_M
ClientSampleId :
A4BM3



Tgt Ion:153 Resp: 4189
Ion Ratio Lower Upper
153 100
152 50.2 41.3 61.9
154 84.8 68.2 102.4

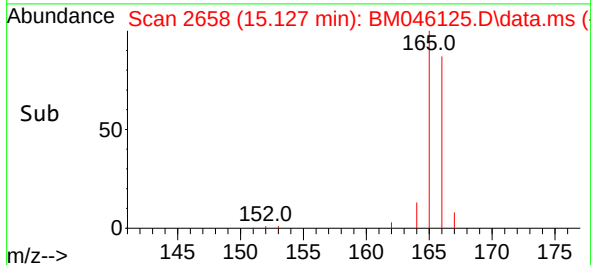
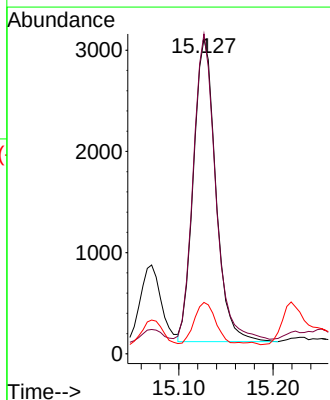
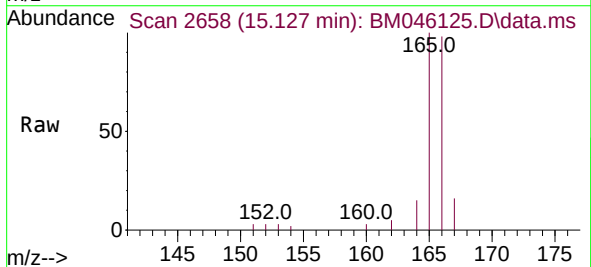
Manual Integrations
APPROVED

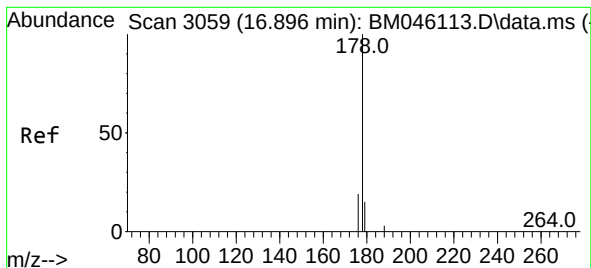
Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



#12
Fluorene
Concen: 0.334 ng/u1
RT: 15.127 min Scan# 2658
Delta R.T. -0.054 min
Lab File: BM046125.D
Acq: 20 Jun 2024 16:20

Tgt Ion:166 Resp: 4926
Ion Ratio Lower Upper
166 100
165 101.6 80.4 120.6
167 16.3 12.4 18.6





#15

Phenanthrene

Concen: 4.310 ng/ul m

RT: 16.854 min Scan# 30

Delta R.T. -0.049 min

Lab File: BM046125.D

Acq: 20 Jun 2024 16:20

Instrument :

BNA_M

ClientSampleId :

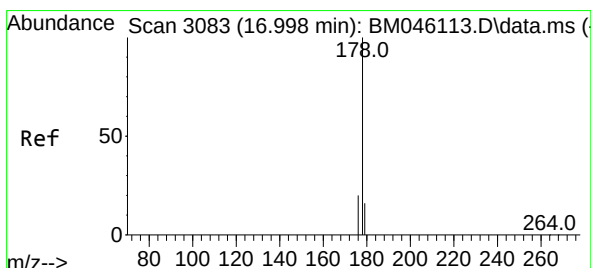
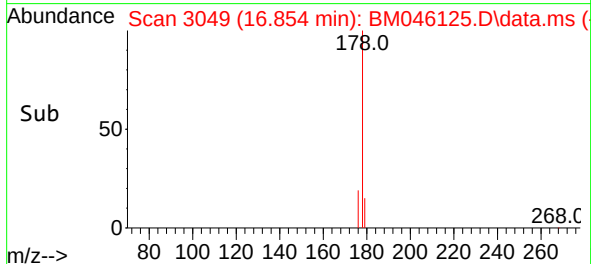
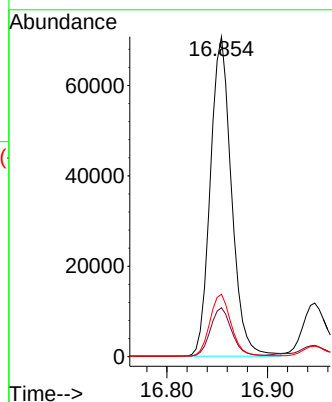
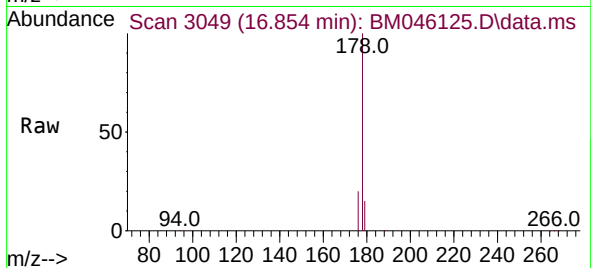
A4BM3

Tgt Ion:	178	Resp:	10337
Ion Ratio	Lower	Upper	
178	100		
179	15.3	14.2	21.2
176	19.5	17.1	25.7

Manual Integrations

APPROVED

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



#16

Anthracene

Concen: 1.167 ng/ul m

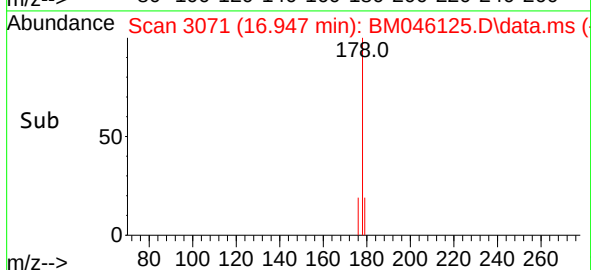
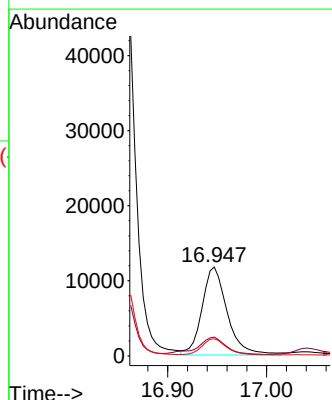
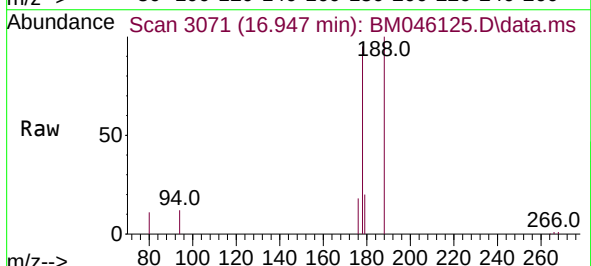
RT: 16.947 min Scan# 3071

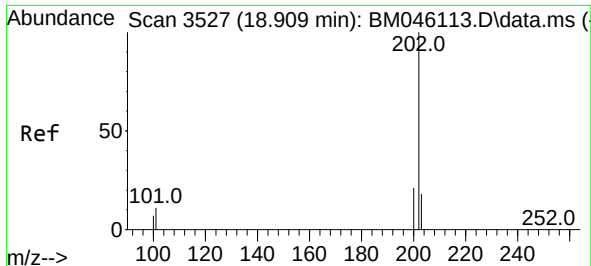
Delta R.T. -0.058 min

Lab File: BM046125.D

Acq: 20 Jun 2024 16:20

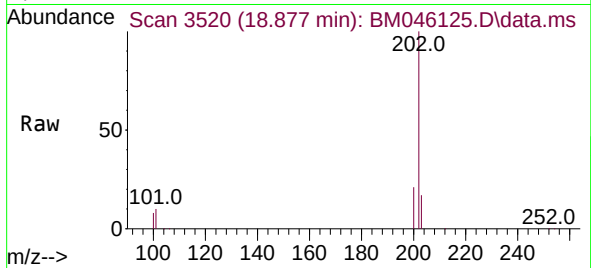
Tgt Ion:	178	Resp:	20854
Ion Ratio	Lower	Upper	
178	100		
179	21.2	14.9	22.3
176	19.2	17.0	25.4





#19
Fluoranthene
Concen: 7.776 ng/ul
RT: 18.877 min Scan# 3520
Delta R.T. -0.041 min
Lab File: BM046125.D
Acq: 20 Jun 2024 16:20

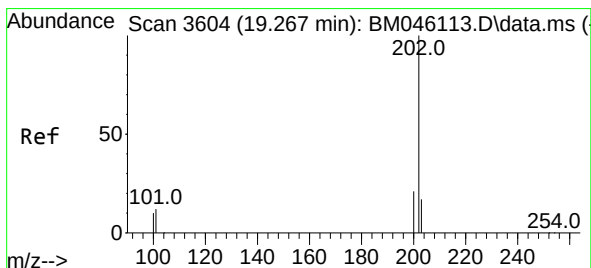
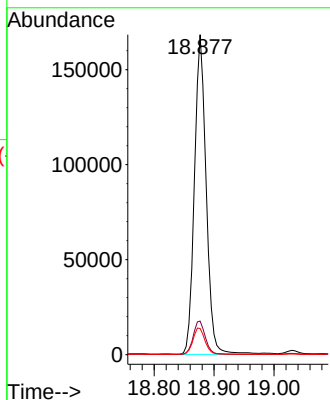
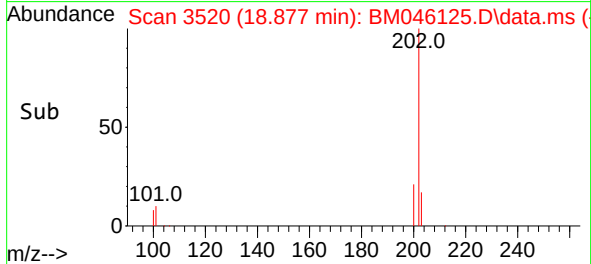
Instrument :
BNA_M
ClientSampleId :
A4BM3



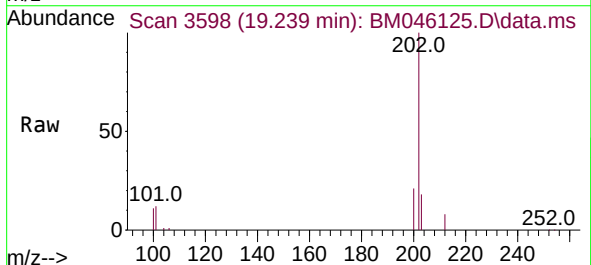
Tgt Ion:202 Resp: 229742
Ion Ratio Lower Upper
202 100
101 10.5 9.6 14.4
100 8.2 7.6 11.4

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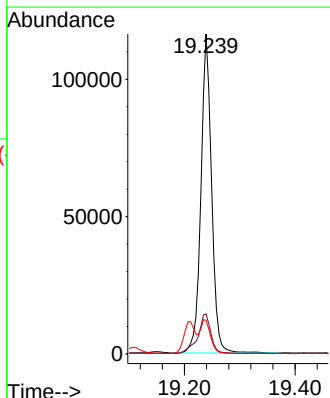
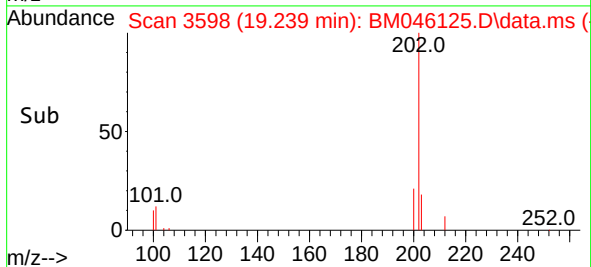
Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024

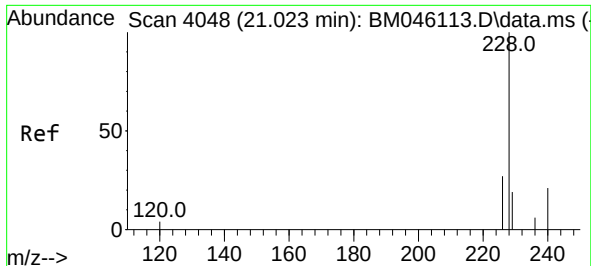


#20
Pyrene
Concen: 4.848 ng/ul
RT: 19.239 min Scan# 3598
Delta R.T. -0.036 min
Lab File: BM046125.D
Acq: 20 Jun 2024 16:20



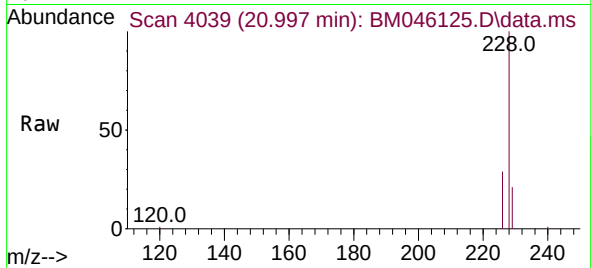
Tgt Ion:202 Resp: 154895
Ion Ratio Lower Upper
202 100
101 12.5 11.3 16.9
100 10.5 9.8 14.6





#21
Benzo(a)anthracene
Concen: 3.822 ng/ul
RT: 20.997 min Scan# 4048
Delta R.T. -0.033 min
Lab File: BM046125.D
Acq: 20 Jun 2024 16:20

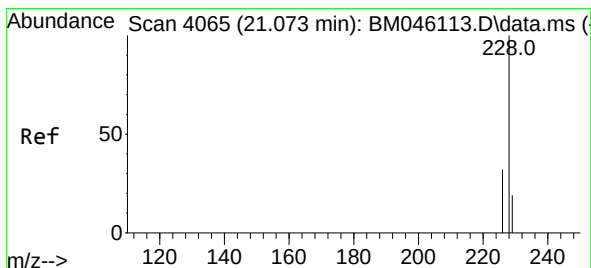
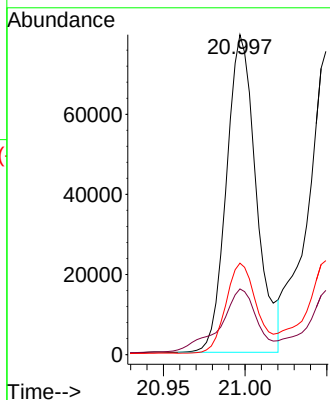
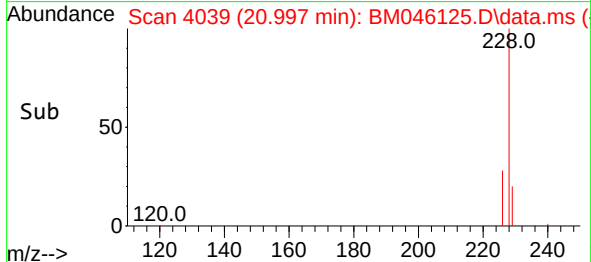
Instrument :
BNA_M
ClientSampleId :
A4BM3



Tgt Ion:228 Resp: 100736
Ion Ratio Lower Upper
228 100
229 20.5 16.4 24.6
226 28.6 23.4 35.2

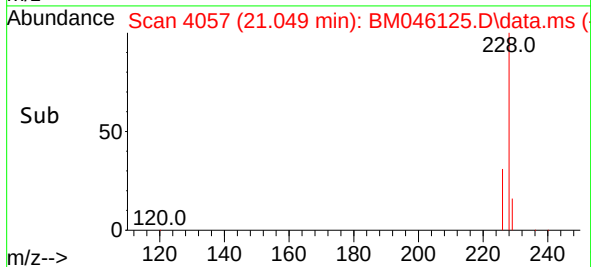
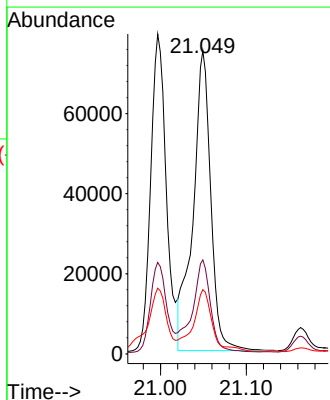
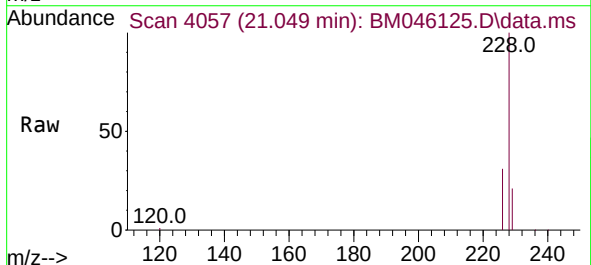
Manual Integrations
APPROVED

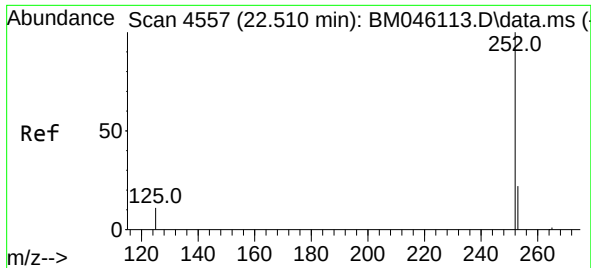
Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



#22
Chrysene
Concen: 3.202 ng/ul
RT: 21.049 min Scan# 4057
Delta R.T. -0.027 min
Lab File: BM046125.D
Acq: 20 Jun 2024 16:20

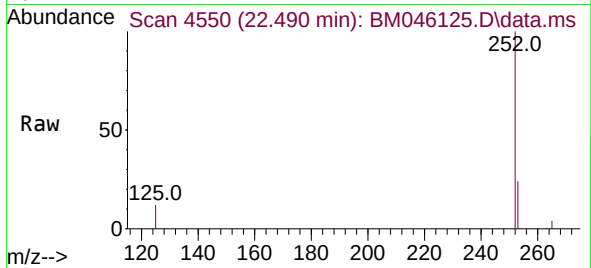
Tgt Ion:228 Resp: 107718
Ion Ratio Lower Upper
228 100
226 31.0 25.2 37.8
229 21.2 16.3 24.5





#24
Benzo(b)fluoranthene
Concen: 5.703 ng/ul m
RT: 22.490 min Scan# 4550
Delta R.T. -0.030 min
Lab File: BM046125.D
Acq: 20 Jun 2024 16:20

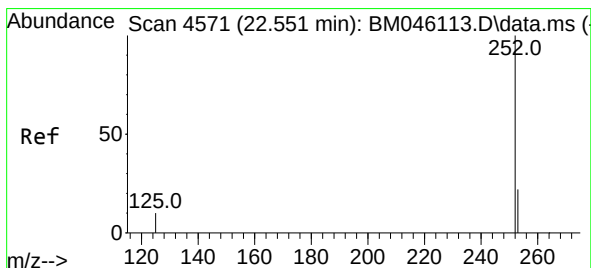
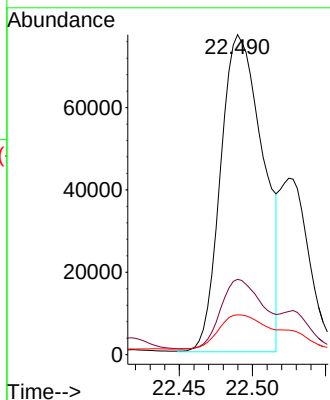
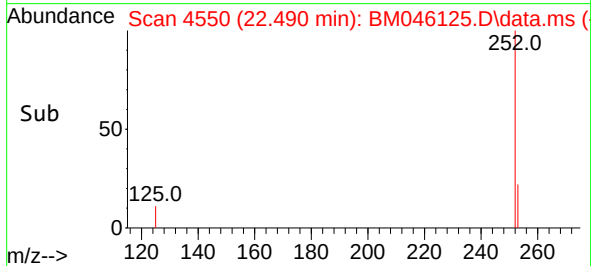
Instrument :
BNA_M
ClientSampleId :
A4BM3



Tgt Ion:252 Resp: 155911
Ion Ratio Lower Upper
252 100
253 23.5 0.0 65.8
125 12.4 0.0 40.2

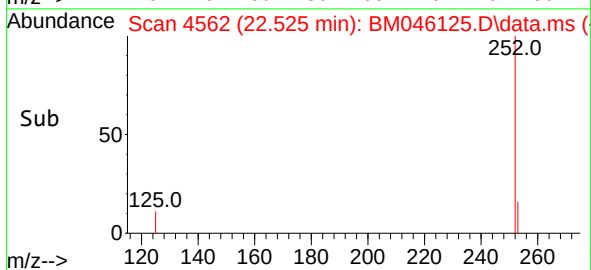
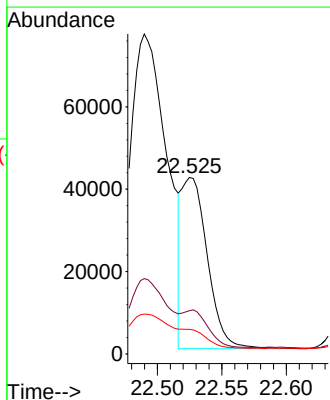
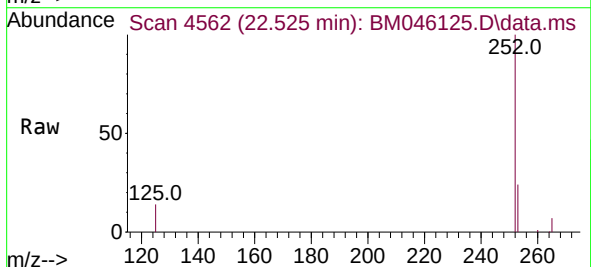
Manual Integrations
APPROVED

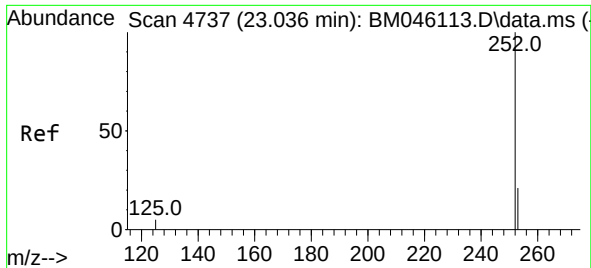
Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



#25
Benzo(k)fluoranthene
Concen: 1.781 ng/ul m
RT: 22.525 min Scan# 4562
Delta R.T. -0.038 min
Lab File: BM046125.D
Acq: 20 Jun 2024 16:20

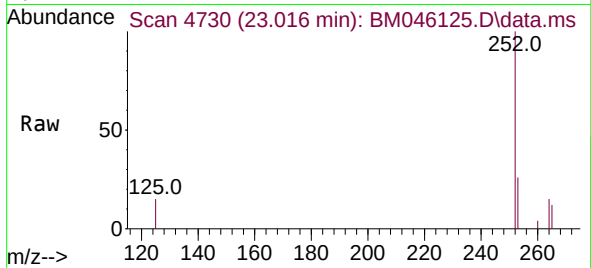
Tgt Ion:252 Resp: 57869
Ion Ratio Lower Upper
252 100
253 24.4 27.2 40.8#
125 14.0 16.6 25.0#





#26
Benzo(a)pyrene
Concen: 2.153 ng/ul
RT: 23.016 min Scan# 41
Delta R.T. -0.038 min
Lab File: BM046125.D
Acq: 20 Jun 2024 16:20

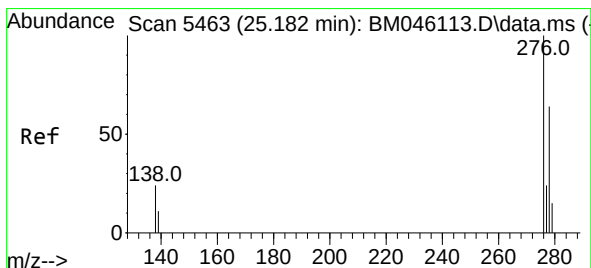
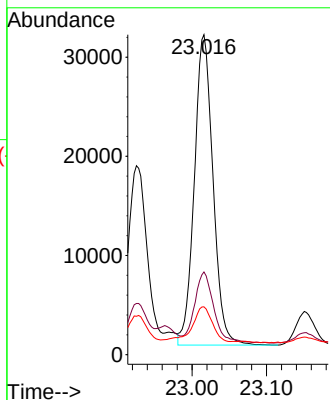
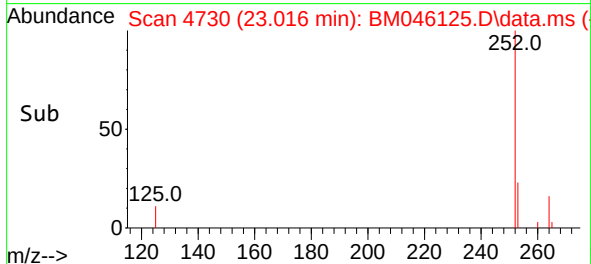
Instrument :
BNA_M
ClientSampleId :
A4BM3



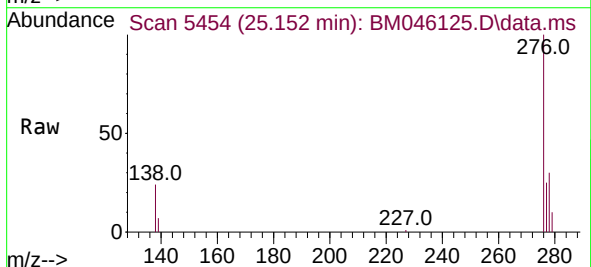
Tgt Ion:252 Resp: 54536
Ion Ratio Lower Upper
252 100
253 25.8 32.1 48.1#
125 14.9 21.2 31.8#

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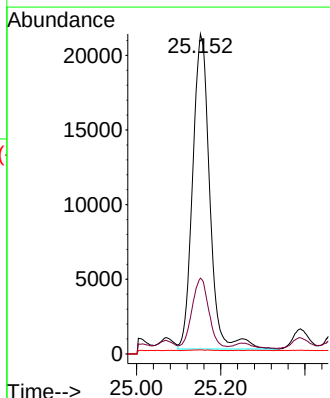
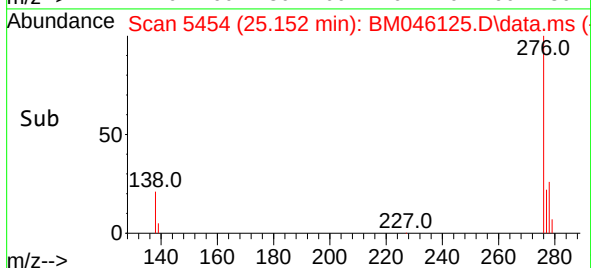
Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024

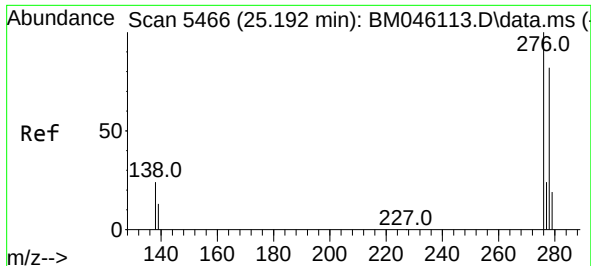


#27
Indeno(1,2,3-cd)pyrene
Concen: 1.434 ng/ul
RT: 25.152 min Scan# 5454
Delta R.T. -0.051 min
Lab File: BM046125.D
Acq: 20 Jun 2024 16:20



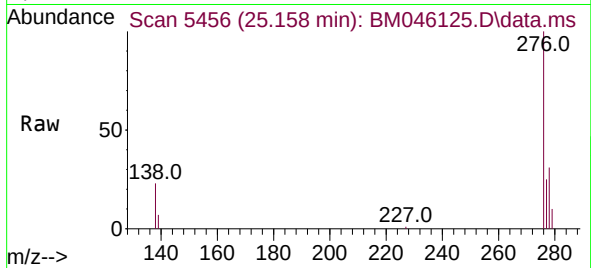
Tgt Ion:276 Resp: 59442
Ion Ratio Lower Upper
276 100
138 20.9 21.0 31.4#
227 0.2 0.0 0.0#





#28
Dibenzo(a,h)anthracene
Concen: 0.587 ng/ul
RT: 25.158 min Scan# 5466
Delta R.T. -0.057 min
Lab File: BM046125.D
Acq: 20 Jun 2024 16:20

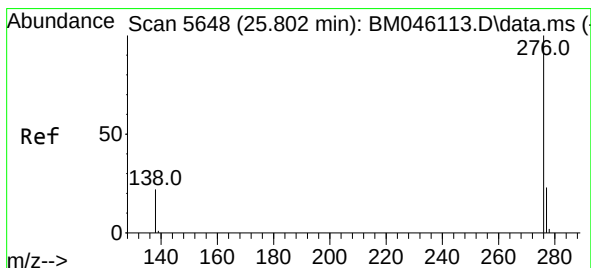
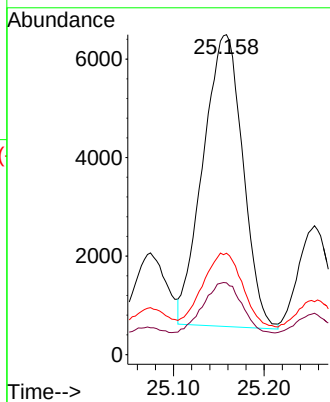
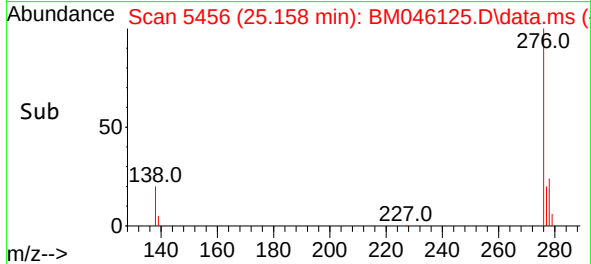
Instrument :
BNA_M
ClientSampleId :
A4BM3



Tgt Ion:278 Resp: 18115
Ion Ratio Lower Upper
278 100
139 22.4 17.6 26.4
279 31.7 26.3 39.5

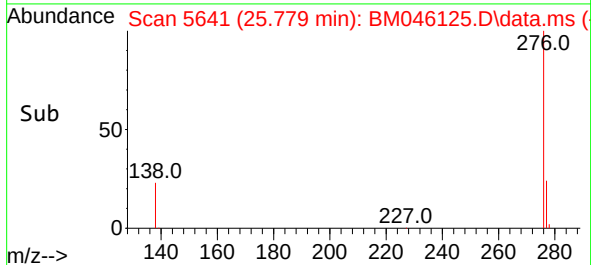
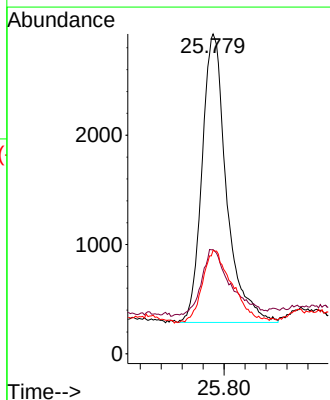
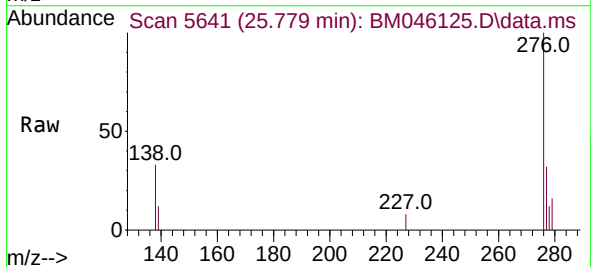
Manual Integrations
APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 0.240 ng/ul
RT: 25.779 min Scan# 5641
Delta R.T. -0.051 min
Lab File: BM046125.D
Acq: 20 Jun 2024 16:20

Tgt Ion:276 Resp: 8539
Ion Ratio Lower Upper
276 100
138 32.6 21.7 32.5#
277 32.4 20.4 30.6#



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046125.D
 Acq On : 20 Jun 2024 16:20
 Operator : MA/JU
 Sample : P2710-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BM3

Manual Integrations
 APPROVED

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

Quant Time: Jun 20 16:50:22 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	7.426	152	2551	0.400	ng/ul	#-0.04
4) Naphthalene-d8	10.194	136	7340	0.400	ng/ul	-0.06
9) Acenaphthene-d10	14.072	164	4012	0.400	ng/ul	-0.04
13) Phenanthrene-d10	16.812	188	8538m	0.400	ng/ul	-0.05
17) Chrysene-d12	21.014	240	6824m	0.400	ng/ul	-0.03
23) Perylene-d12	23.107	264	7588m	0.400	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.029	96	15111	4.318	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.822	152	3091	0.314	ng/ul	-0.04
18) Fluoranthene-d10	18.849	212	7407	0.362	ng/ul	-0.04
Target Compounds						
					Qvalue	
5) Naphthalene	10.244	128	1927	0.094	ng/ul#	94
7) 2-Methylnaphthalene	11.893	142	679	0.059	ng/ul	97
8) 1-Methylnaphthalene	12.108	142	610	0.048	ng/ul	98
10) Acenaphthylene	13.790	152	4521	0.238	ng/ul	98
11) Acenaphthene	14.132	153	4189	0.305	ng/ul	99
12) Fluorene	15.127	166	4926	0.334	ng/ul	99
15) Phenanthrene	16.854	178	103377m	4.310	ng/ul	
16) Anthracene	16.947	178	20854m	1.167	ng/ul	
19) Fluoranthene	18.877	202	229742	7.776	ng/ul	96
20) Pyrene	19.239	202	154895	4.848	ng/ul	96
21) Benzo(a)anthracene	20.997	228	100736	3.822	ng/ul	99
22) Chrysene	21.049	228	107718	3.202	ng/ul	99
24) Benzo(b)fluoranthene	22.490	252	155911m	5.703	ng/ul	
25) Benzo(k)fluoranthene	22.525	252	57869m	1.781	ng/ul	
26) Benzo(a)pyrene	23.016	252	54530	2.153	ng/ul#	77
27) Indeno(1,2,3-cd)pyrene	25.152	276	59442	1.434	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.158	278	18115	0.587	ng/ul	98
29) Benzo(g,h,i)perylene	25.779	276	8539	0.240	ng/ul#	88

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