

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
 Data File : BM045918.D
 Acq On : 08 Jun 2024 16:16
 Operator : MA/JU
 Sample : P2640-20
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C24

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/10/2024
 Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 10 01:28:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 07 22:59:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.463	152	7248	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.233	136	25188	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.104	164	14669	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.846	188	31706m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.046	240	16611m	0.400	ng/ul	0.00
23) Perylene-d12	23.153	264	21109m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.058	96	26526	3.213	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.827	152	8428	0.233	ng/ul	-0.02
18) Fluoranthene-d10	18.881	212	23988m	0.482	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.277	128	80265	1.219	ng/ul	99
7) 2-Methylnaphthalene	11.904	142	79039	1.883	ng/ul	99
8) 1-Methylnaphthalene	12.130	142	72600	1.591	ng/ul	100
10) Acenaphthylene	13.822	152	23521	0.353	ng/ul#	90
11) Acenaphthene	14.164	153	372065	7.590	ng/ul	99
12) Fluorene	15.159	166	371338	6.777	ng/ul	98
15) Phenanthrene	16.892	178	4136244m	46.465	ng/ul	
16) Anthracene	16.981	178	1137188m	14.977	ng/ul	
19) Fluoranthene	18.914	202	3914445m	59.097	ng/ul	
20) Pyrene	19.276	202	3006027m	43.505	ng/ul	
21) Benzo(a)anthracene	21.029	228	1512749m	24.810	ng/ul	
22) Chrysene	21.081	228	1447163m	21.801	ng/ul	
24) Benzo(b)fluoranthene	22.536	252	1276573m	18.233	ng/ul	
25) Benzo(k)fluoranthene	22.569	252	507829m	6.600	ng/ul	
26) Benzo(a)pyrene	23.063	252	649822m	9.333	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.222	276	421069m	4.677	ng/ul	
28) Dibenzo(a,h)anthracene	25.222	278	158289m	2.199	ng/ul	
29) Benzo(g,h,i)perylene	25.849	276	64896m	0.836	ng/ul	

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

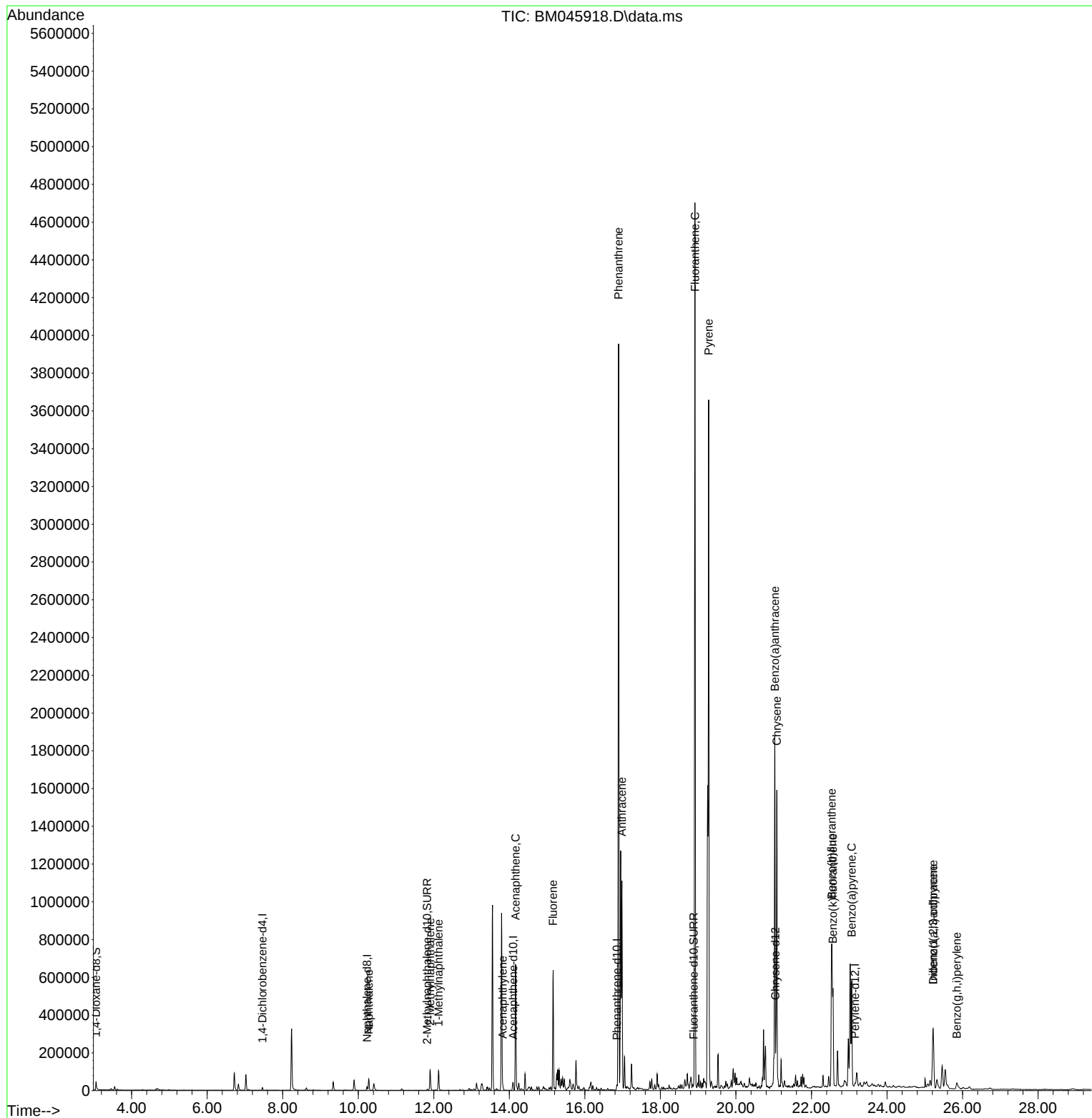
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045918.D
Acq On : 08 Jun 2024 16:16
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ALS Vial : 46 Sample Multiplier: 1

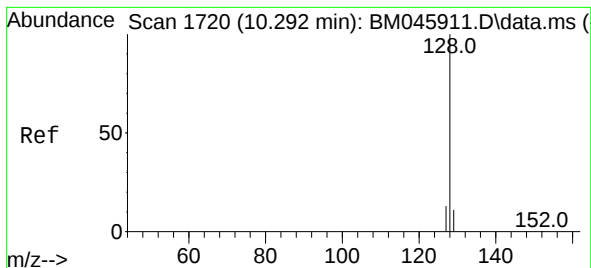
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Response via : Initial Calibration





#5

Naphthalene

Concen: 1.219 ng/ul

RT: 10.277 min Scan# 1717

Delta R.T. -0.026 min

Lab File: BM045918.D

Acq: 08 Jun 2024 16:16

Instrument :

BNA_M

ClientSampleId :

A4C24

Tgt Ion:128 Resp: 8026

Ion Ratio Lower Upper

128 100

129 11.2 9.4 14.0

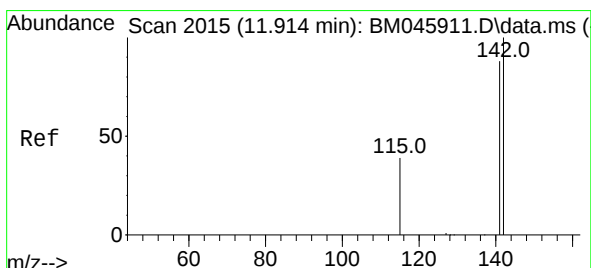
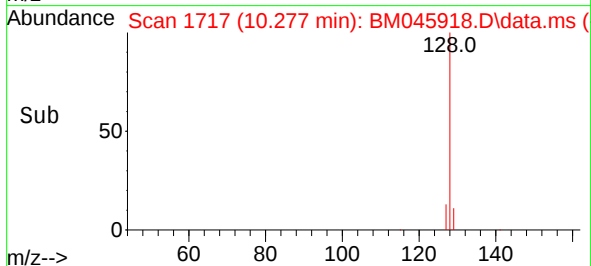
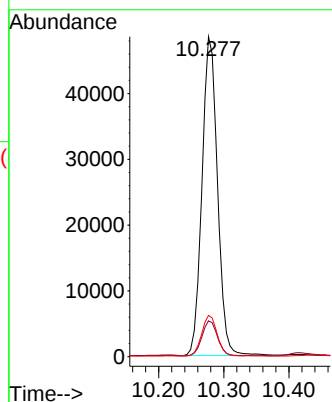
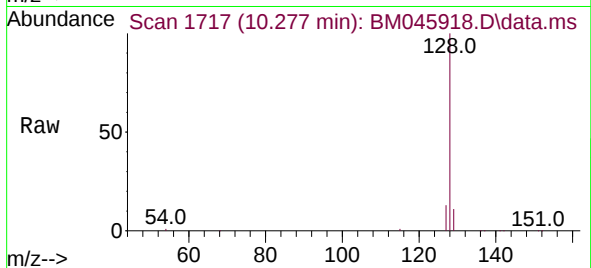
127 12.9 10.6 15.8

Manual Integrations

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Supervised By :mohammad ahmed 06/13/2024



#7

2-Methylnaphthalene

Concen: 1.883 ng/ul

RT: 11.904 min Scan# 2013

Delta R.T. -0.015 min

Lab File: BM045918.D

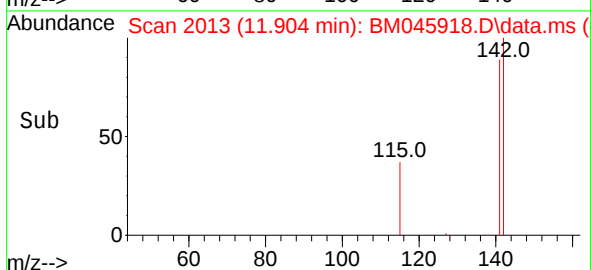
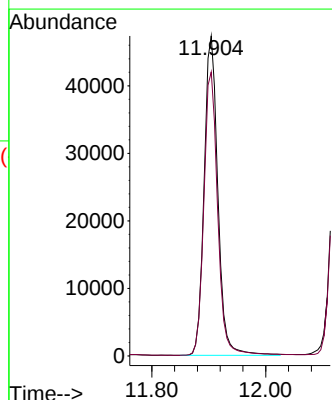
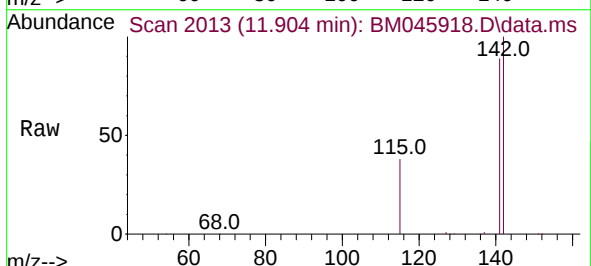
Acq: 08 Jun 2024 16:16

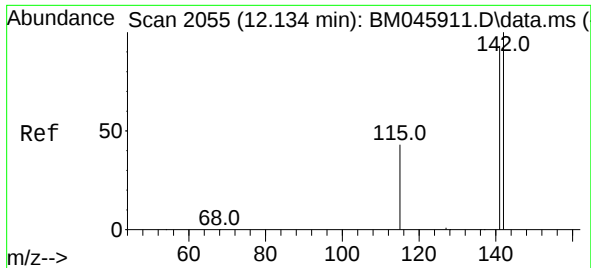
Tgt Ion:142 Resp: 79039

Ion Ratio Lower Upper

142 100

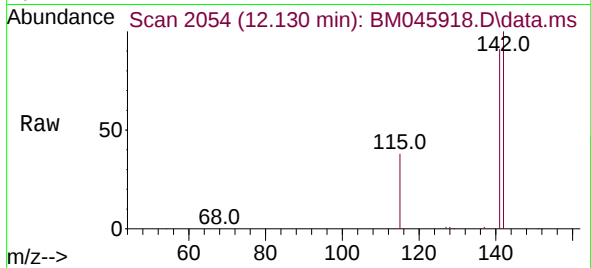
141 89.3 72.2 108.4





#8
1-Methylnaphthalene
Concen: 1.591 ng/ul
RT: 12.130 min Scan# 2055
Delta R.T. -0.015 min
Lab File: BM045918.D
Acq: 08 Jun 2024 16:16

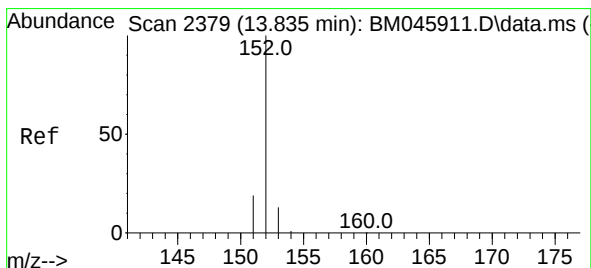
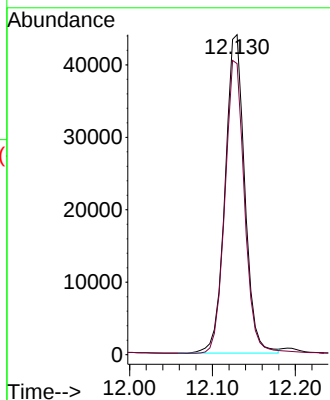
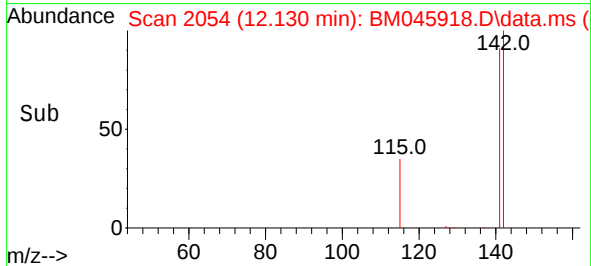
Instrument :
BNA_M
ClientSampleId :
A4C24



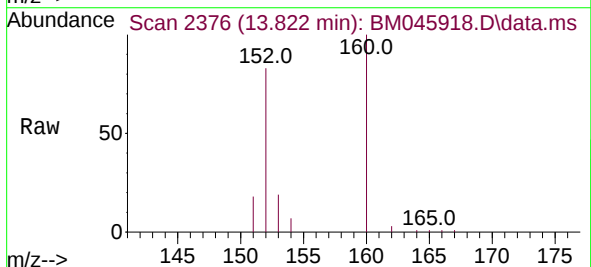
Tgt Ion:142 Resp: 72600
Ion Ratio Lower Upper
142 100
141 92.0 73.5 110.3

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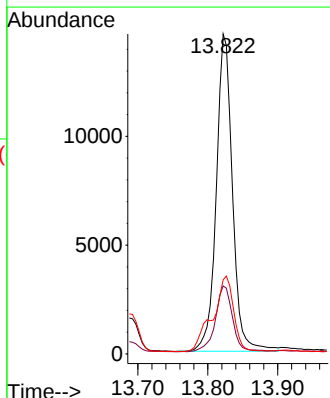
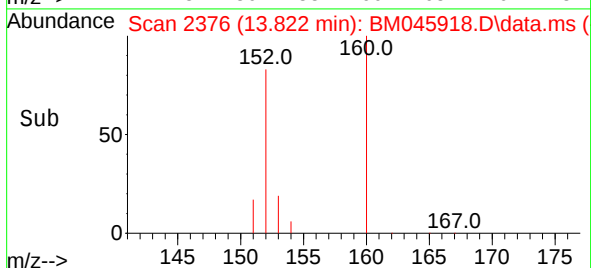
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024

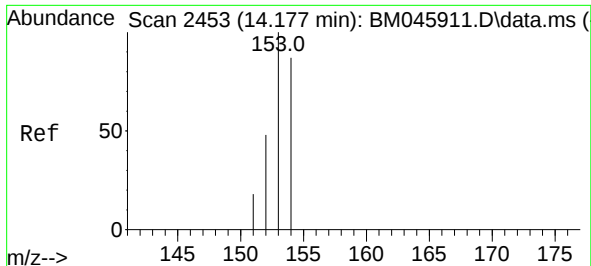


#10
Acenaphthylene
Concen: 0.353 ng/ul
RT: 13.822 min Scan# 2376
Delta R.T. -0.017 min
Lab File: BM045918.D
Acq: 08 Jun 2024 16:16



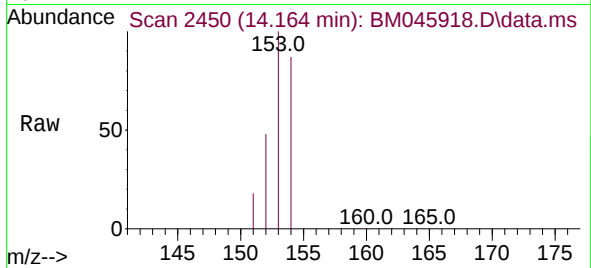
Tgt Ion:152 Resp: 23521
Ion Ratio Lower Upper
152 100
151 21.3 16.4 24.6
153 23.2 11.1 16.7#





#11
Acenaphthene
Concen: 7.590 ng/ul
RT: 14.164 min Scan# 2450
Delta R.T. -0.017 min
Lab File: BM045918.D
Acq: 08 Jun 2024 16:16

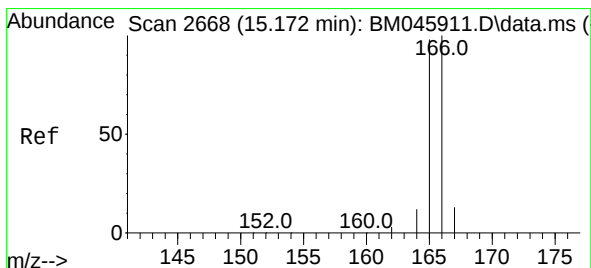
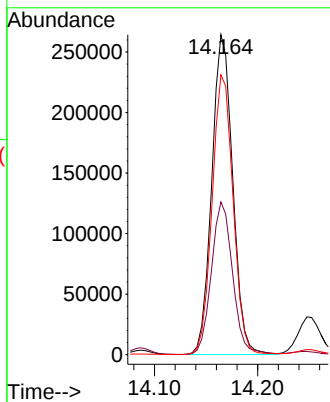
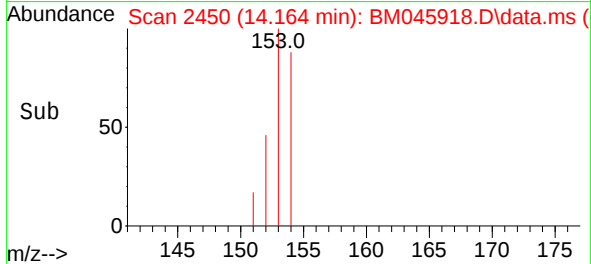
Instrument :
BNA_M
ClientSampleId :
A4C24



Tgt Ion:153 Resp: 372065
Ion Ratio Lower Upper
153 100
152 47.7 39.0 58.4
154 87.4 69.4 104.2

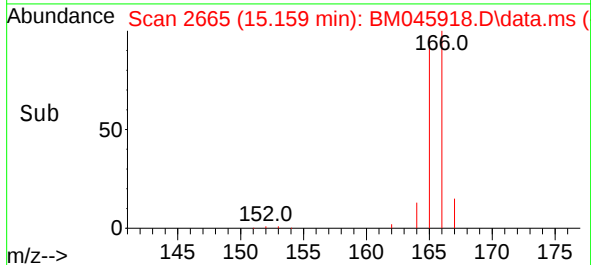
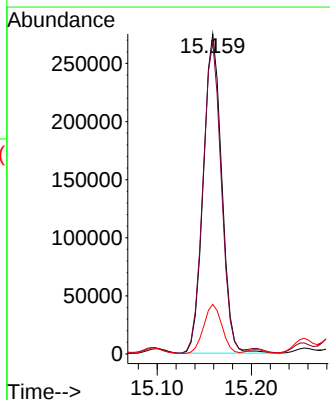
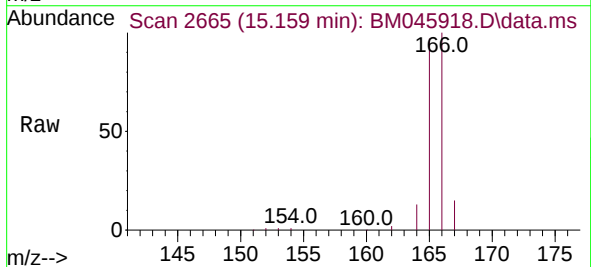
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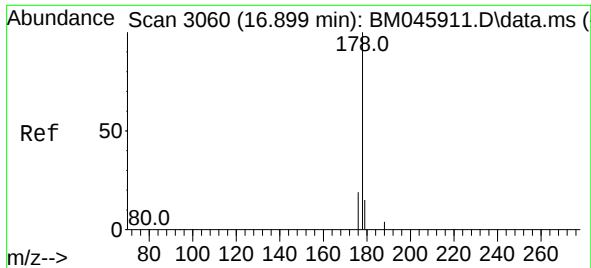
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#12
Fluorene
Concen: 6.777 ng/ul
RT: 15.159 min Scan# 2665
Delta R.T. -0.017 min
Lab File: BM045918.D
Acq: 08 Jun 2024 16:16

Tgt Ion:166 Resp: 371338
Ion Ratio Lower Upper
166 100
165 97.4 79.7 119.5
167 15.5 11.3 16.9





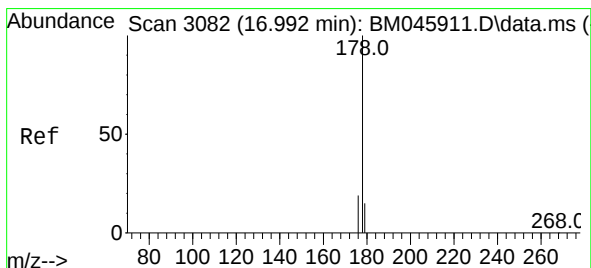
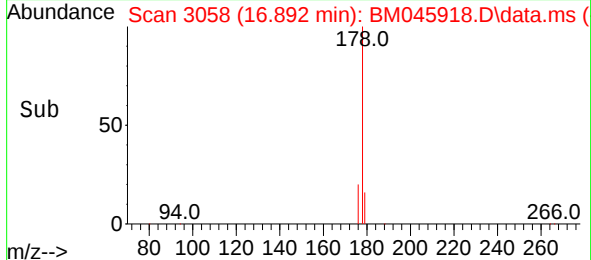
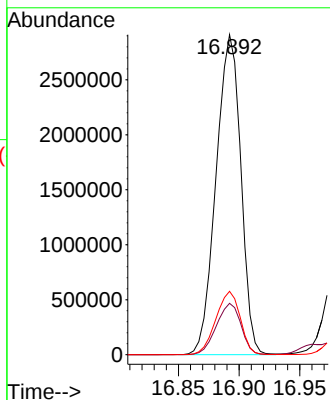
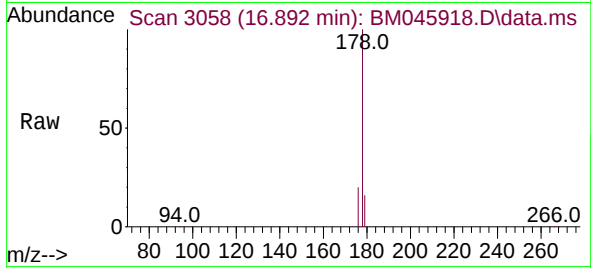
#15
Phenanthrene
Concen: 46.465 ng/ul m
RT: 16.892 min Scan# 3060
Delta R.T. -0.011 min
Lab File: BM045918.D
Acq: 08 Jun 2024 16:16

Instrument :
BNA_M
ClientSampleId :
A4C24

Tgt Ion:178 Resp: 413624
Ion Ratio Lower Upper
178 100
179 16.1 12.7 19.1
176 19.8 15.6 23.4

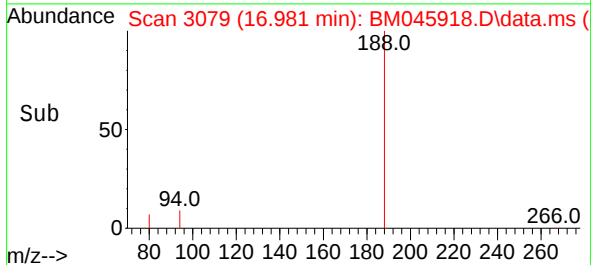
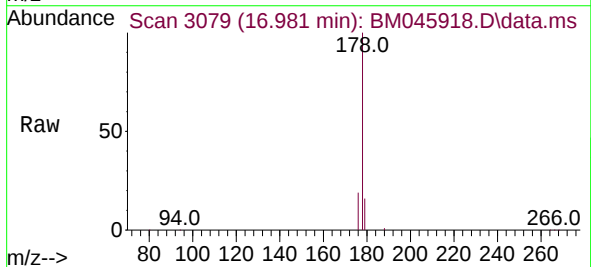
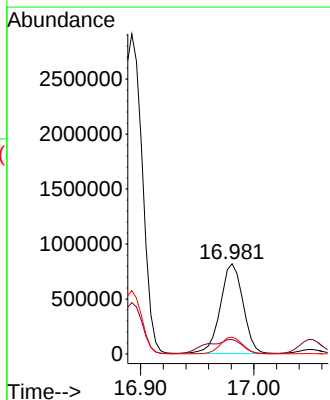
Manual Integrations
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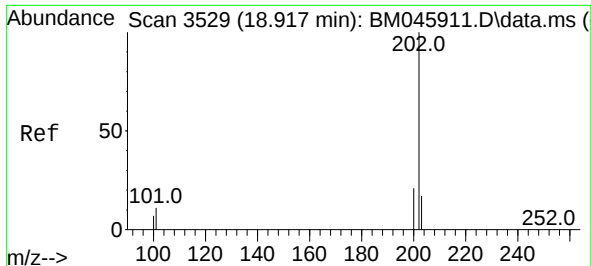
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#16
Anthracene
Concen: 14.977 ng/ul m
RT: 16.981 min Scan# 3079
Delta R.T. -0.016 min
Lab File: BM045918.D
Acq: 08 Jun 2024 16:16

Tgt Ion:178 Resp: 1137188
Ion Ratio Lower Upper
178 100
179 16.1 13.1 19.7
176 18.6 15.5 23.3





#19

Fluoranthene

Concen: 59.097 ng/ul m

RT: 18.914 min Scan# 3529

Delta R.T. -0.008 min

Lab File: BM045918.D

Acq: 08 Jun 2024 16:16

Instrument :

BNA_M

ClientSampleId :

A4C24

Tgt Ion:202 Resp: 391444

Ion Ratio Lower Upper

202 100

101 11.1 9.0 13.6

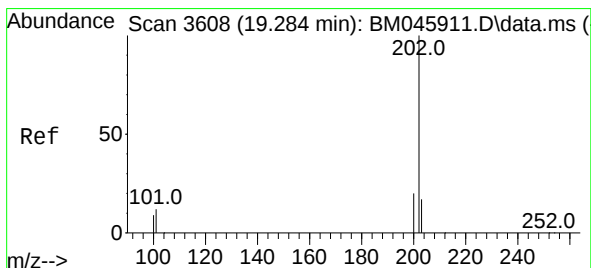
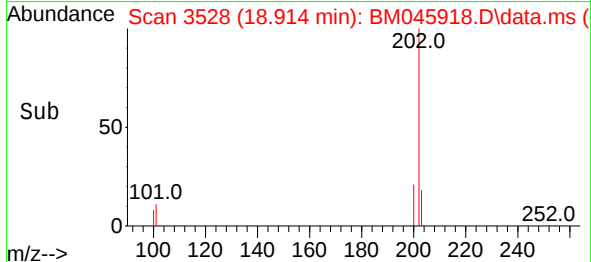
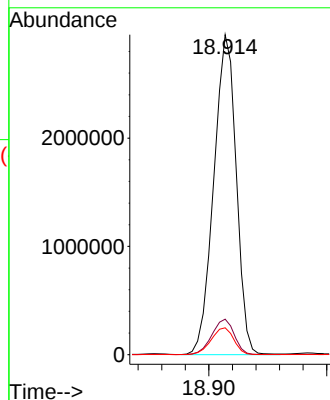
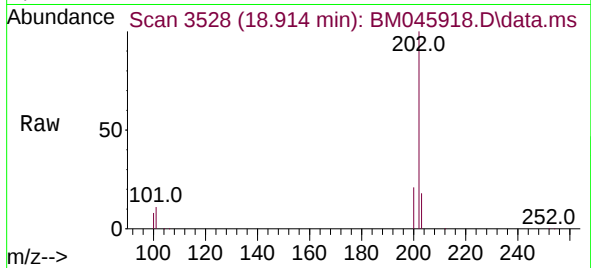
100 8.4 7.0 10.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/13/2024



#20

Pyrene

Concen: 43.505 ng/ul m

RT: 19.276 min Scan# 3606

Delta R.T. -0.008 min

Lab File: BM045918.D

Acq: 08 Jun 2024 16:16

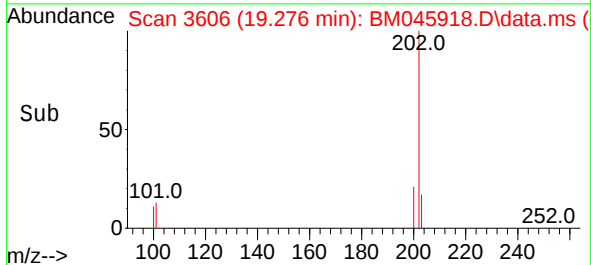
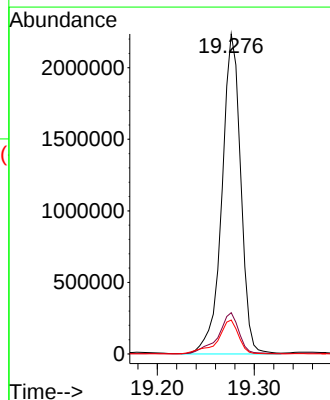
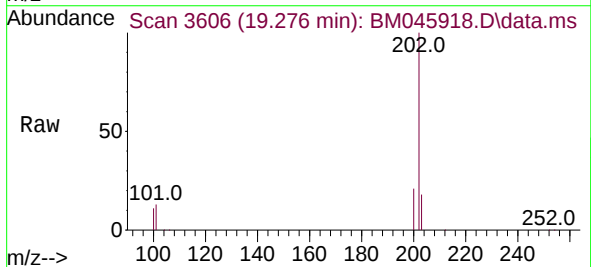
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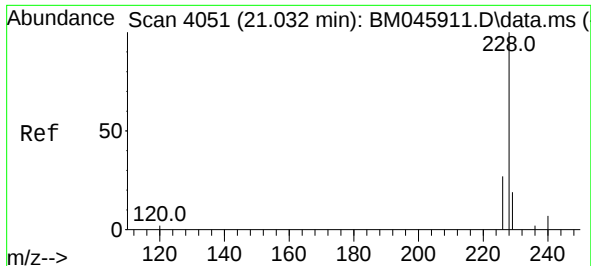
Ion Ratio Lower Upper

202 100

101 12.9 10.6 16.0

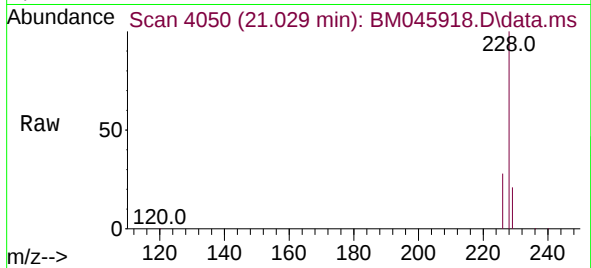
100 10.6 9.1 13.7





#21
Benzo(a)anthracene
Concen: 24.810 ng/ul m
RT: 21.029 min Scan# 4050
Delta R.T. -0.006 min
Lab File: BM045918.D
Acq: 08 Jun 2024 16:16

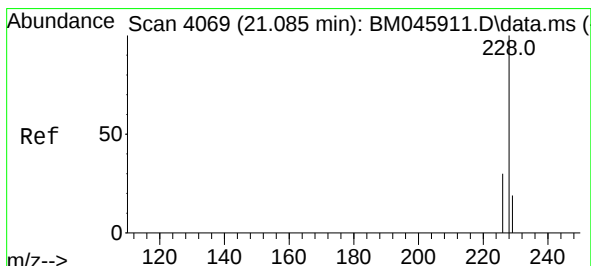
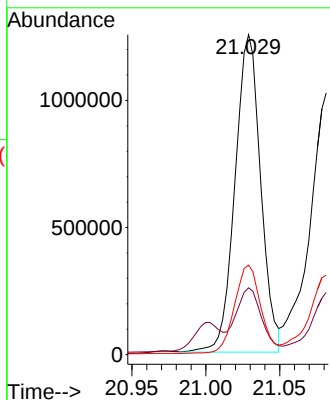
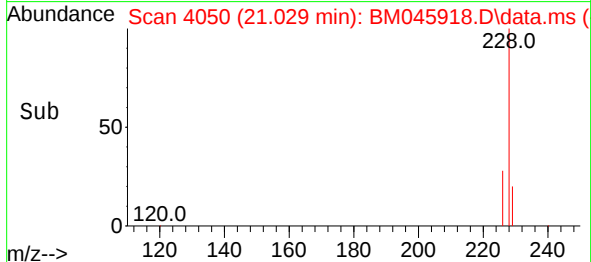
Instrument :
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ClientSampleId :
A4C24



Tgt Ion:228 Resp: 1512749
Ion Ratio Lower Upper
228 100
229 20.9 15.7 23.5
226 28.0 22.0 33.0

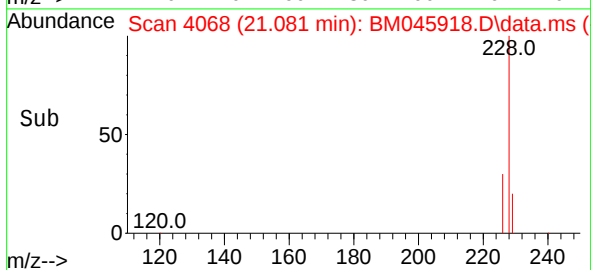
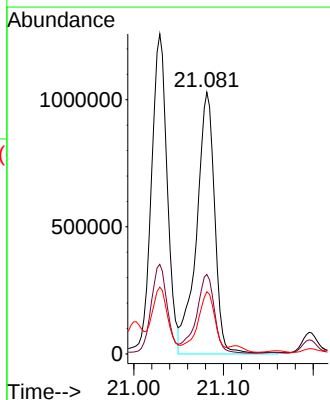
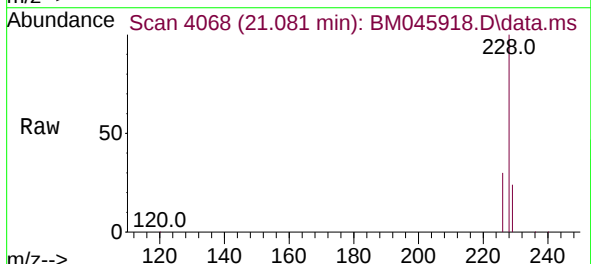
Manual Integrations
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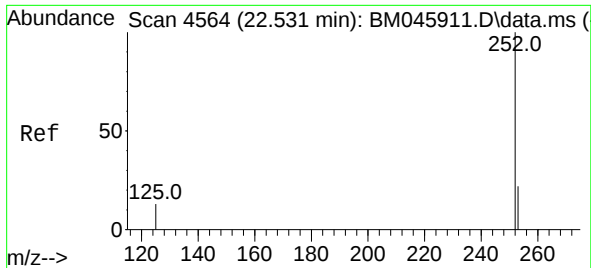
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#22
Chrysene
Concen: 21.801 ng/ul m
RT: 21.081 min Scan# 4068
Delta R.T. -0.006 min
Lab File: BM045918.D
Acq: 08 Jun 2024 16:16

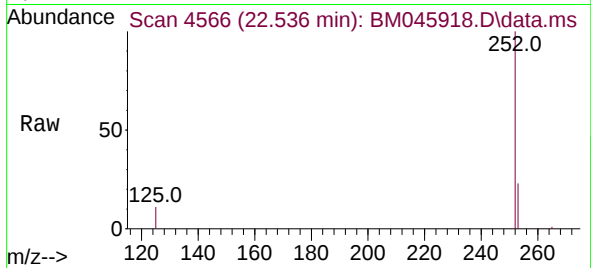
Tgt Ion:228 Resp: 1447163
Ion Ratio Lower Upper
228 100
226 30.4 24.5 36.7
229 23.8 16.2 24.2





#24
Benzo(b)fluoranthene
Concen: 18.233 ng/ul m
RT: 22.536 min Scan# 4566
Delta R.T. -0.001 min
Lab File: BM045918.D
Acq: 08 Jun 2024 16:16

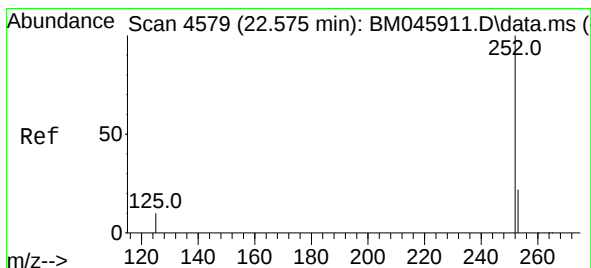
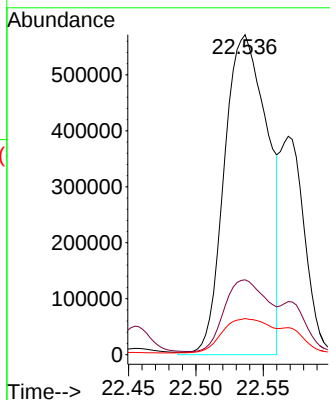
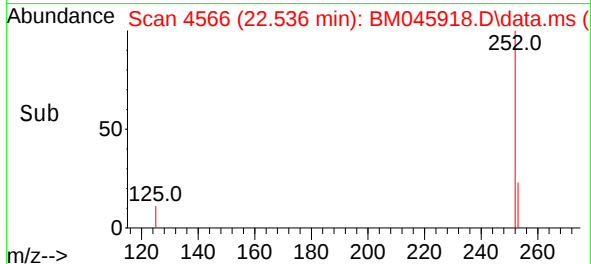
Instrument :
BNA_M
ClientSampleId :
A4C24



Tgt Ion:252 Resp: 127657
Ion Ratio Lower Upper
252 100
253 23.4 0.0 63.6
125 11.3 0.0 35.8

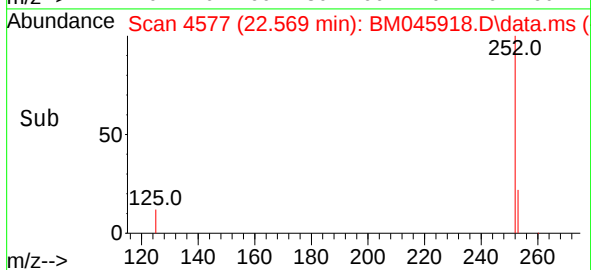
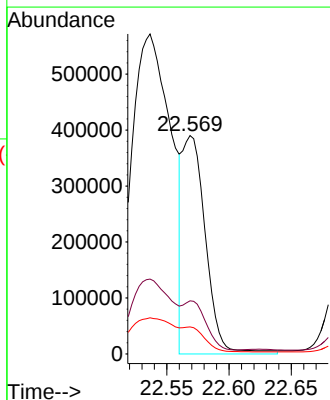
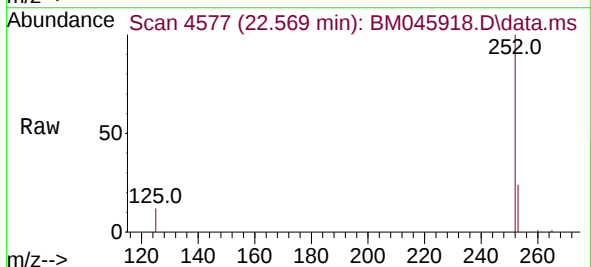
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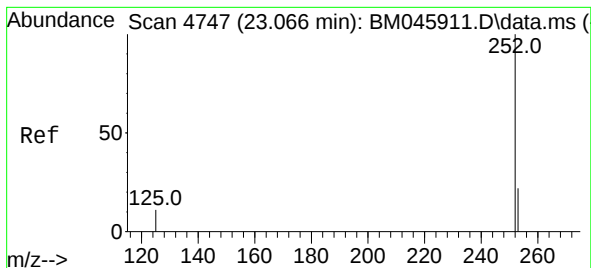
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#25
Benzo(k)fluoranthene
Concen: 6.600 ng/ul m
RT: 22.569 min Scan# 4577
Delta R.T. -0.012 min
Lab File: BM045918.D
Acq: 08 Jun 2024 16:16

Tgt Ion:252 Resp: 507829
Ion Ratio Lower Upper
252 100
253 24.3 25.0 37.6#
125 12.4 14.2 21.2#





#26

Benzo(a)pyrene

Concen: 9.333 ng/ul m

RT: 23.063 min Scan# 4746

Delta R.T. -0.009 min

Lab File: BM045918.D

Acq: 08 Jun 2024 16:16

Instrument :

BNM_M

ClientSampleId :

A4C24

Tgt Ion:252 Resp: 64982

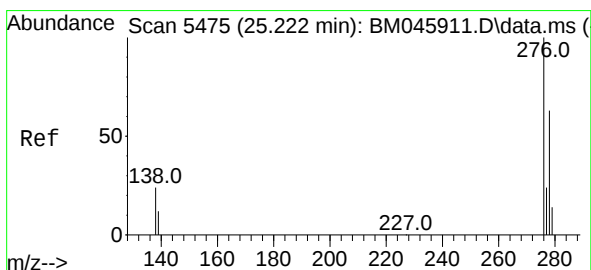
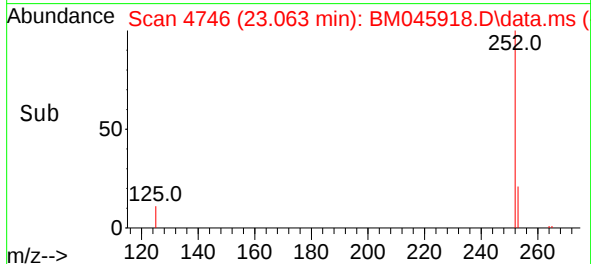
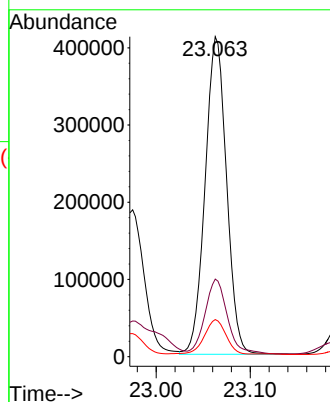
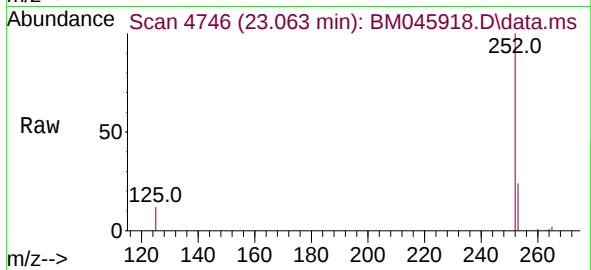
Ion	Ratio	Lower	Upper
252	100		
253	24.2	28.8	43.2
125	11.6	17.3	25.9

Manual Integrations

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Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/13/2024



#27

Indeno(1,2,3-cd)pyrene

Concen: 4.677 ng/ul m

RT: 25.222 min Scan# 5475

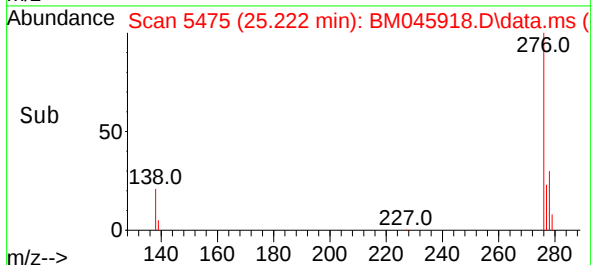
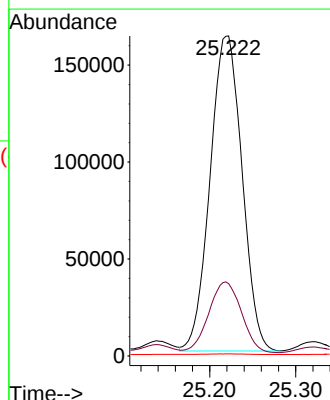
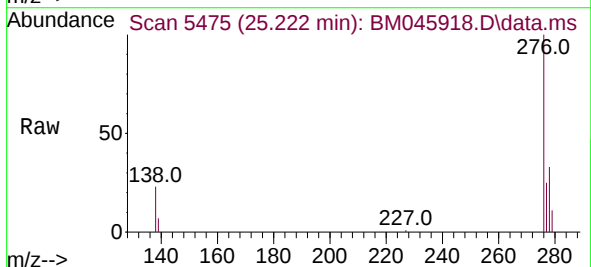
Delta R.T. -0.010 min

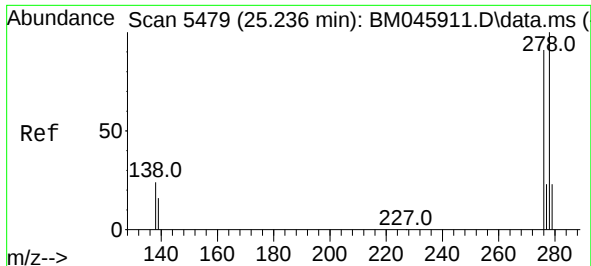
Lab File: BM045918.D

Acq: 08 Jun 2024 16:16

Tgt Ion:276 Resp: 421069

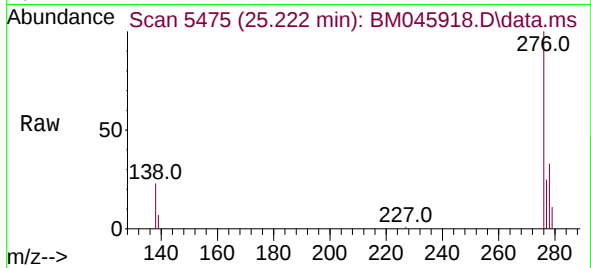
Ion	Ratio	Lower	Upper
276	100		
138	2.2	20.7	31.1
227	0.0	0.2	0.2





#28
Dibenzo(a,h)anthracene
Concen: 2.199 ng/ul m
RT: 25.222 min Scan# 5475
Delta R.T. -0.027 min
Lab File: BM045918.D
Acq: 08 Jun 2024 16:16

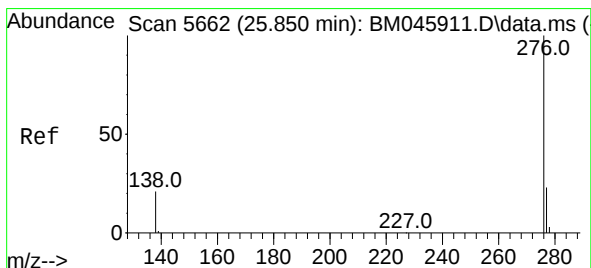
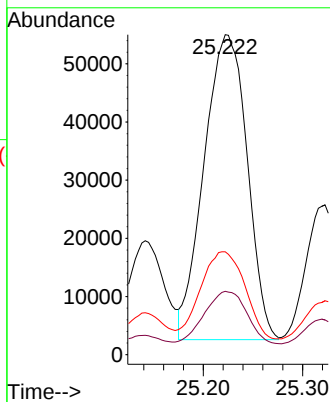
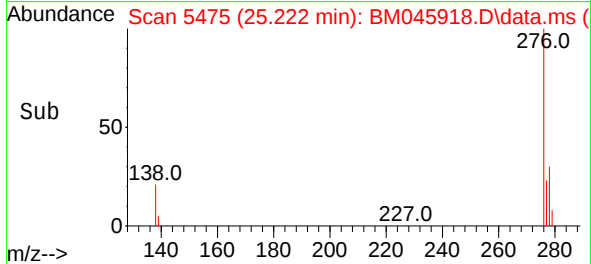
Instrument :
BNA_M
ClientSampleId :
A4C24



Tgt Ion:278 Resp: 158289
Ion Ratio Lower Upper
278 100
139 19.8 16.6 25.0
279 32.2 24.6 37.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#29
Benzo(g,h,i)perylene
Concen: 0.836 ng/ul m
RT: 25.849 min Scan# 5662
Delta R.T. -0.014 min
Lab File: BM045918.D
Acq: 08 Jun 2024 16:16

Tgt Ion:276 Resp: 64896
Ion Ratio Lower Upper
276 100
138 26.2 21.0 31.4
277 28.8 20.5 30.7

