

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
 Data File : BM045920.D
 Acq On : 08 Jun 2024 17:28
 Operator : MA/JU
 Sample : P2640-22
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C35

Manual Integrations
 APPROVED

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

Quant Time: Jun 10 01:29:18 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	6716	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.233	136	23651	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.109	164	13054	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.850	188	28750m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.043	240	17739m	0.400	ng/ul	0.00
23) Perylene-d12	23.153	264	16180m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.058	96	26655	3.485	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.838	152	8005	0.235	ng/ul	0.00
18) Fluoranthene-d10	18.881	212	17338	0.326	ng/ul	-0.01
Target Compounds					Qvalue	
5) Naphthalene	10.277	128	3362	0.054	ng/ul#	91
7) 2-Methylnaphthalene	11.915	142	1572	0.040	ng/ul	100
8) 1-Methylnaphthalene	12.135	142	1331	0.031	ng/ul	98
10) Acenaphthylene	13.827	152	5481	0.092	ng/ul	96
11) Acenaphthene	14.169	153	5001	0.115	ng/ul	99
12) Fluorene	15.159	166	4994	0.102	ng/ul#	98
15) Phenanthrene	16.888	178	92015m	1.140	ng/ul	
16) Anthracene	16.981	178	19019m	0.276	ng/ul	
19) Fluoranthene	18.914	202	162589	2.299	ng/ul	96
20) Pyrene	19.276	202	136433	1.849	ng/ul	96
21) Benzo(a)anthracene	21.026	228	63816	0.980	ng/ul	97
22) Chrysene	21.081	228	66112	0.933	ng/ul	98
24) Benzo(b)fluoranthene	22.531	252	71571m	1.334	ng/ul	
25) Benzo(k)fluoranthene	22.566	252	25863m	0.439	ng/ul	
26) Benzo(a)pyrene	23.060	252	48055m	0.900	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.215	276	34381	0.498	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.222	278	8326	0.151	ng/ul#	70
29) Benzo(g,h,i)perylene	25.846	276	35695	0.600	ng/ul	99

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

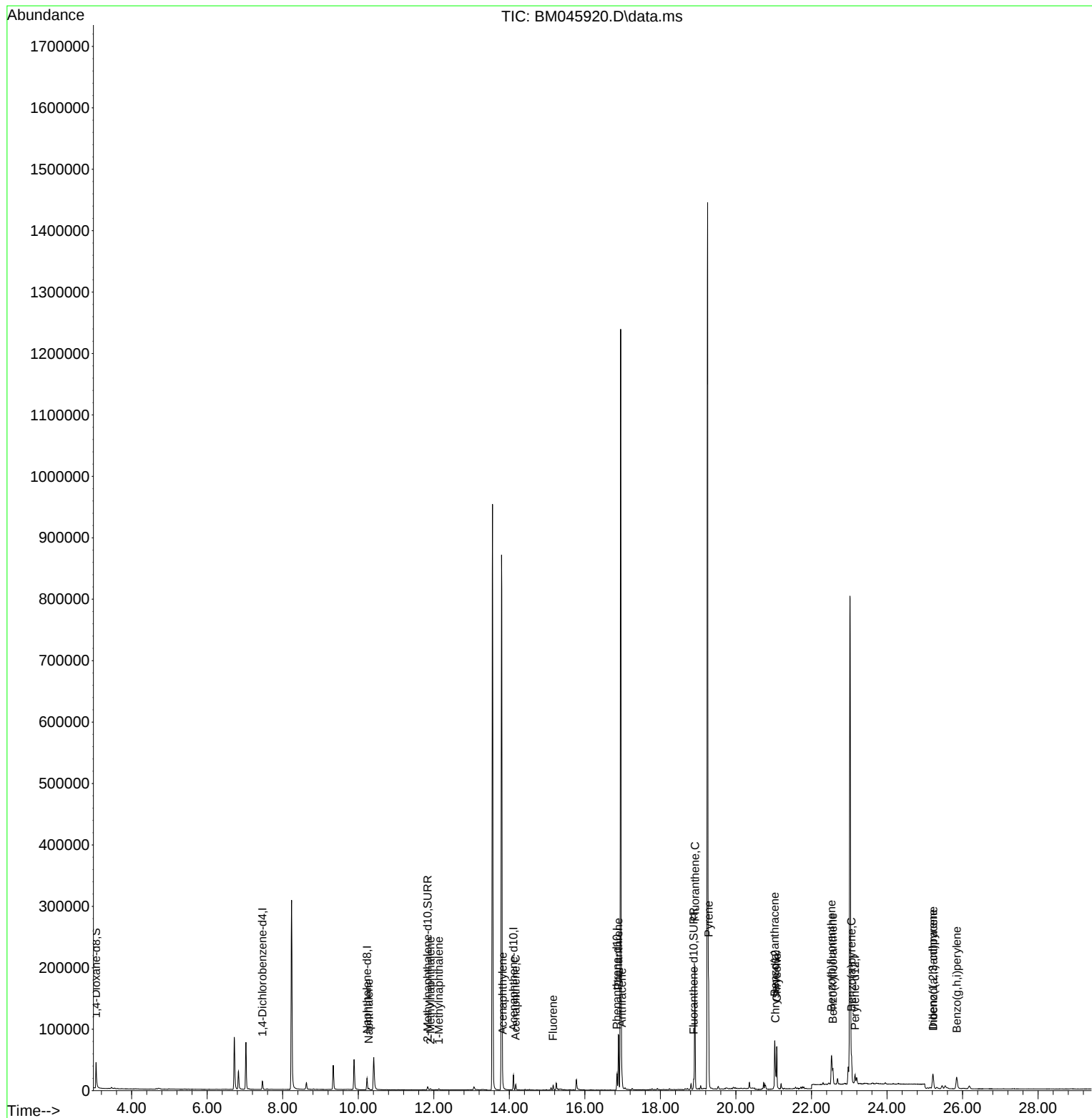
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045920.D
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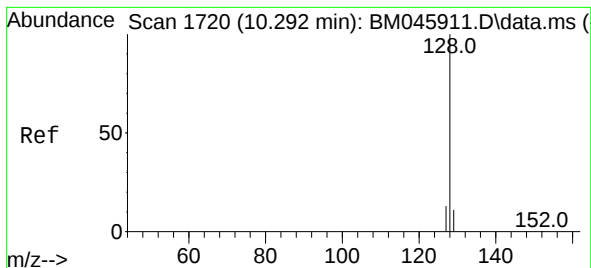
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#5

Naphthalene

Concen: 0.054 ng/ul

RT: 10.277 min Scan# 1717

Delta R.T. -0.026 min

Lab File: BM045920.D

Acq: 08 Jun 2024 17:28

Instrument :

BNA_M

ClientSampleId :

A4C35

Tgt Ion:128 Resp: 3362

Ion Ratio Lower Upper

128 100

129 16.1 9.4 14.0

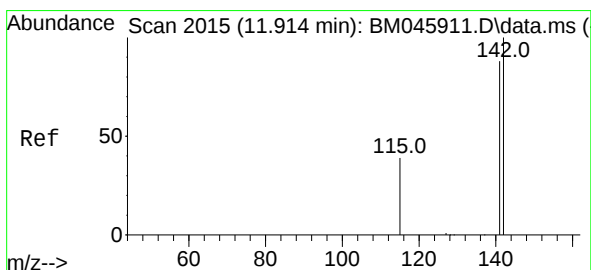
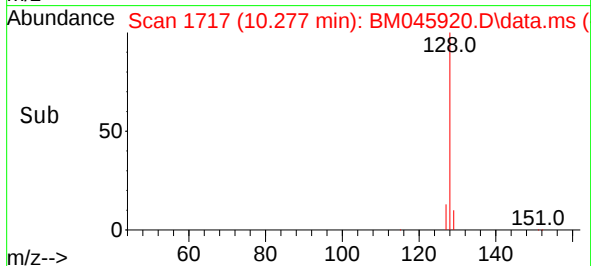
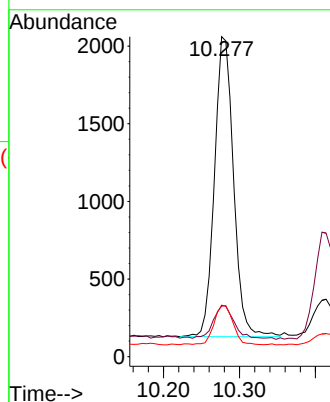
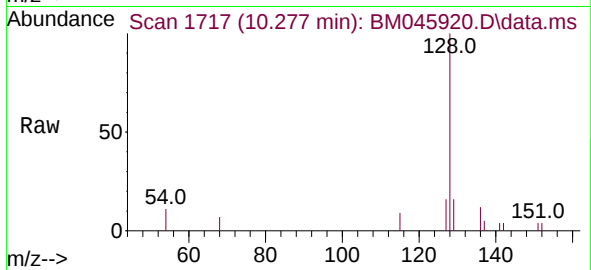
127 15.7 10.6 15.8

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Supervised By :mohammad ahmed 06/13/2024



#7

2-Methylnaphthalene

Concen: 0.040 ng/ul

RT: 11.915 min Scan# 2015

Delta R.T. -0.004 min

Lab File: BM045920.D

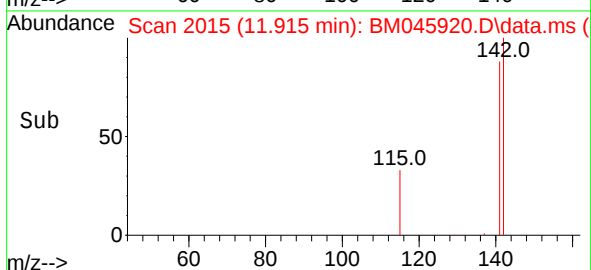
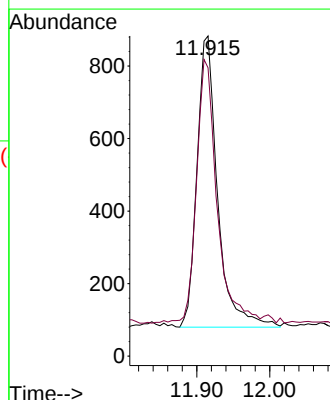
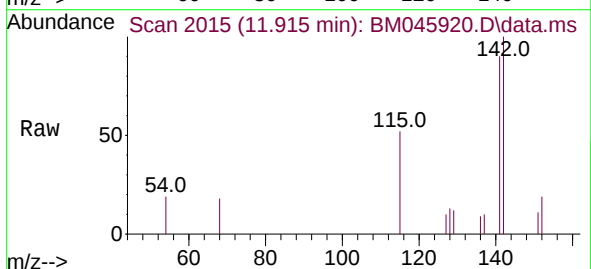
Acq: 08 Jun 2024 17:28

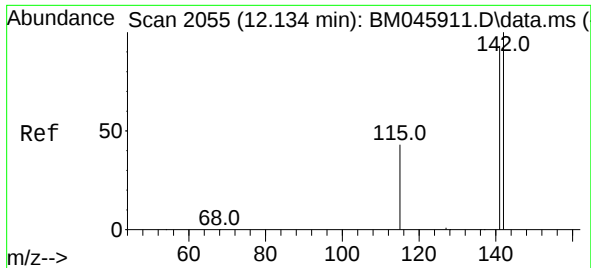
Tgt Ion:142 Resp: 1572

Ion Ratio Lower Upper

142 100

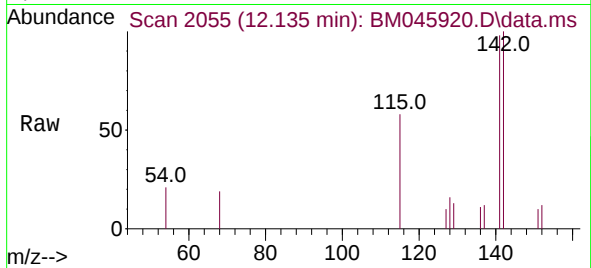
141 90.2 72.2 108.4





#8
1-Methylnaphthalene
Concen: 0.031 ng/ul
RT: 12.135 min Scan# 2055
Delta R.T. -0.010 min
Lab File: BM045920.D
Acq: 08 Jun 2024 17:28

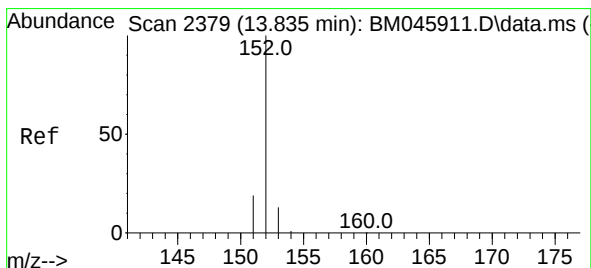
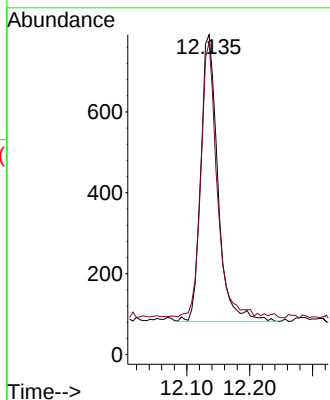
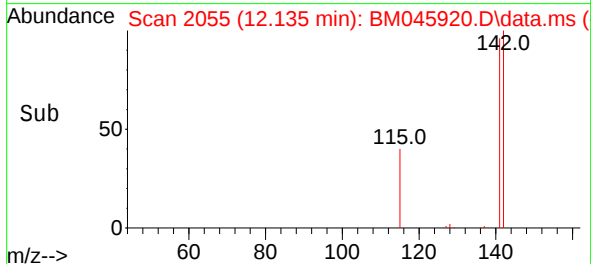
Instrument :
BNA_M
ClientSampleId :
A4C35



Tgt Ion:142 Resp: 133
Ion Ratio Lower Upper
142 100
141 93.5 73.5 110.3

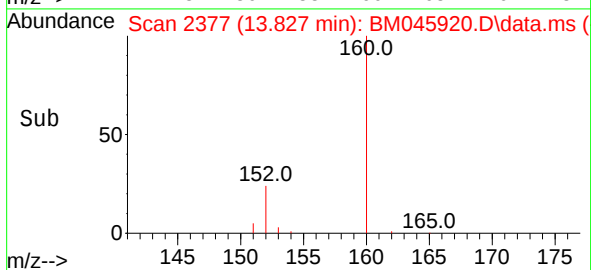
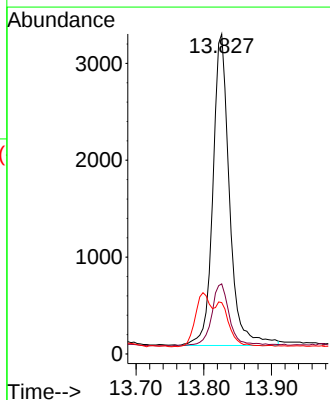
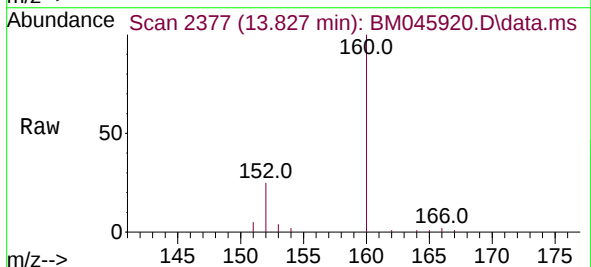
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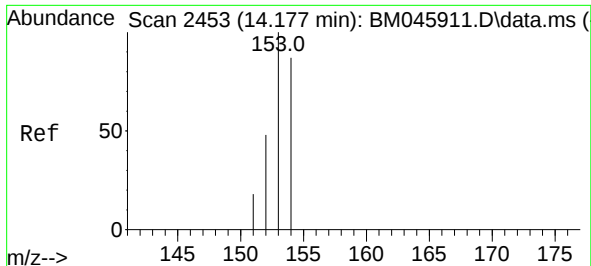
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#10
Acenaphthylene
Concen: 0.092 ng/ul
RT: 13.827 min Scan# 2377
Delta R.T. -0.013 min
Lab File: BM045920.D
Acq: 08 Jun 2024 17:28

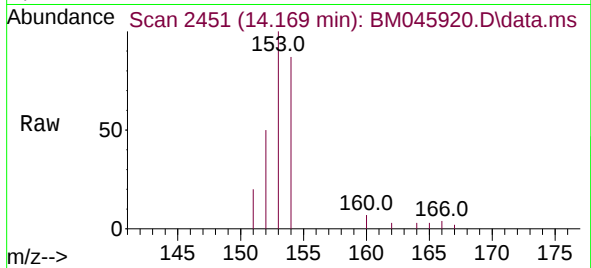
Tgt Ion:152 Resp: 5481
Ion Ratio Lower Upper
152 100
151 21.9 16.4 24.6
153 16.0 11.1 16.7





#11
Acenaphthene
Concen: 0.115 ng/ul
RT: 14.169 min Scan# 2451
Delta R.T. -0.013 min
Lab File: BM045920.D
Acq: 08 Jun 2024 17:28

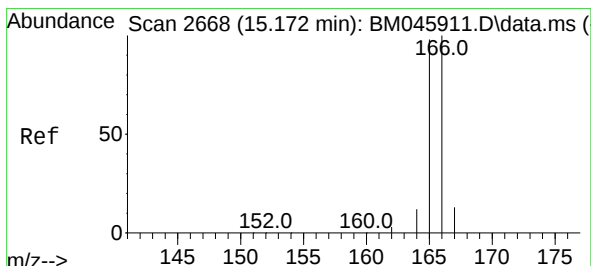
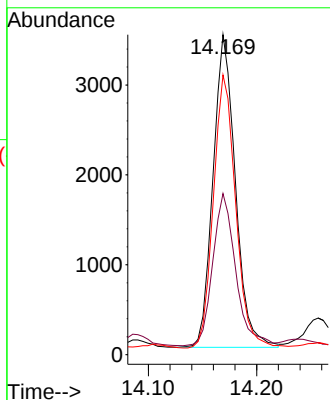
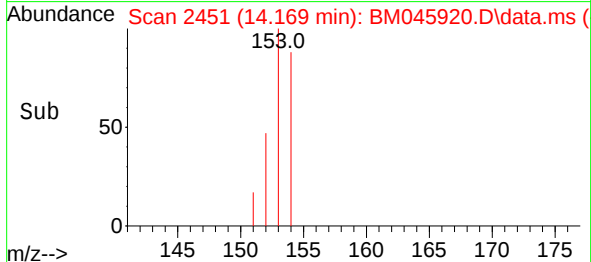
Instrument :
BNA_M
ClientSampleId :
A4C35



Tgt Ion:153 Resp: 500
Ion Ratio Lower Upper
153 100
152 50.3 39.0 58.4
154 87.4 69.4 104.2

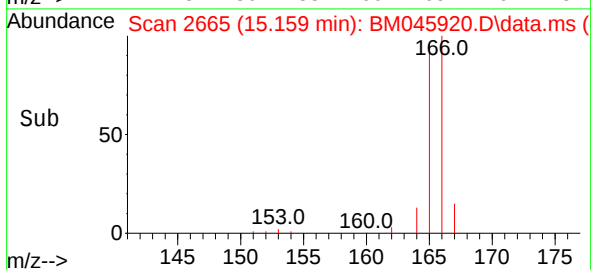
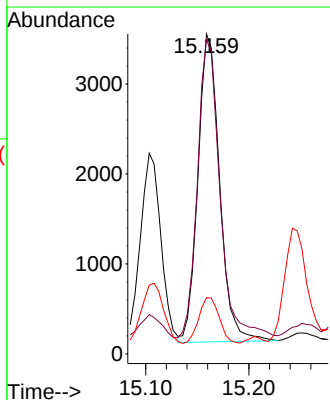
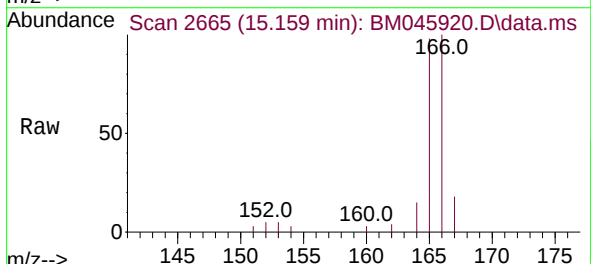
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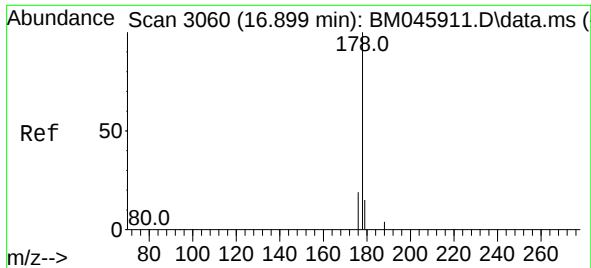
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#12
Fluorene
Concen: 0.102 ng/ul
RT: 15.159 min Scan# 2665
Delta R.T. -0.017 min
Lab File: BM045920.D
Acq: 08 Jun 2024 17:28

Tgt Ion:166 Resp: 4994
Ion Ratio Lower Upper
166 100
165 98.2 79.7 119.5
167 17.6 11.3 16.9#





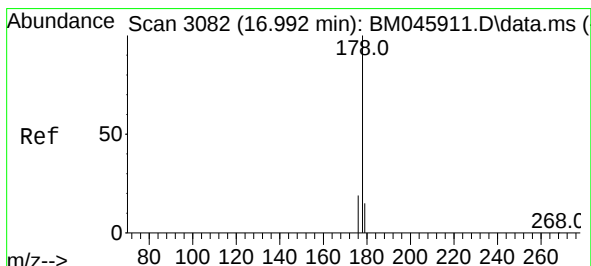
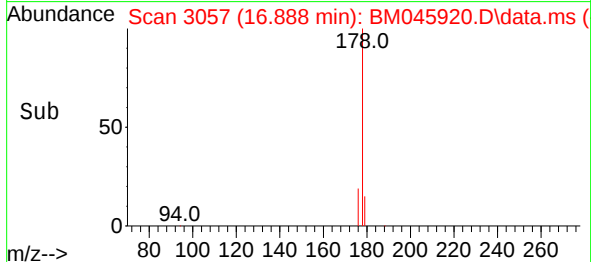
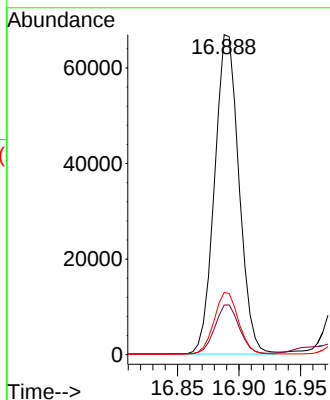
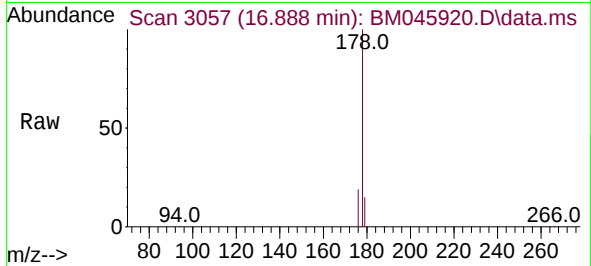
#15
Phenanthrene
Concen: 1.140 ng/ul m
RT: 16.888 min Scan# 3057
Delta R.T. -0.016 min
Lab File: BM045920.D
Acq: 08 Jun 2024 17:28

Instrument :
BNA_M
ClientSampleId :
A4C35

Tgt Ion:178 Resp: 92015
Ion Ratio Lower Upper
178 100
179 15.5 12.7 19.1
176 19.5 15.6 23.4

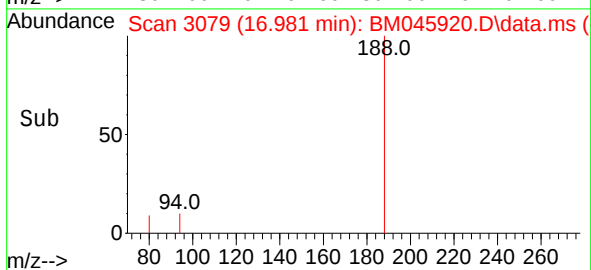
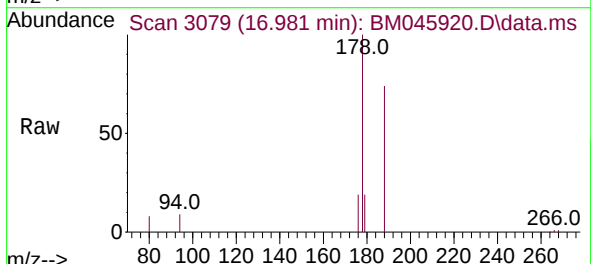
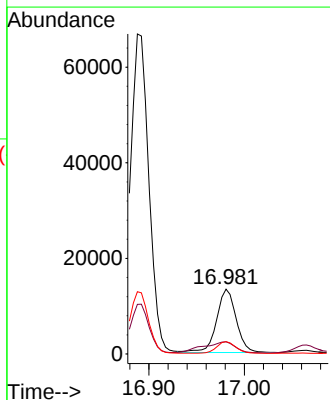
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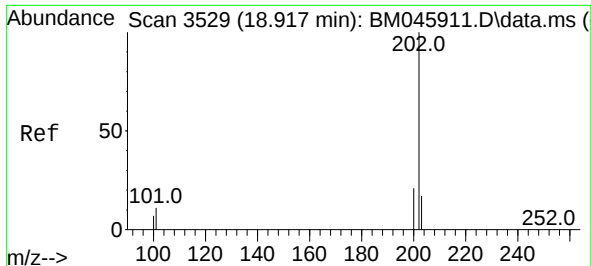
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#16
Anthracene
Concen: 0.276 ng/ul m
RT: 16.981 min Scan# 3079
Delta R.T. -0.016 min
Lab File: BM045920.D
Acq: 08 Jun 2024 17:28

Tgt Ion:178 Resp: 19019
Ion Ratio Lower Upper
178 100
179 18.8 13.1 19.7
176 19.1 15.5 23.3





#19

Fluoranthene

Concen: 2.299 ng/ul

RT: 18.914 min Scan# 3529

Delta R.T. -0.008 min

Lab File: BM045920.D

Acq: 08 Jun 2024 17:28

Instrument :

BNA_M

ClientSampleId :

A4C35

Tgt Ion:202 Resp: 162589

Ion Ratio Lower Upper

202 100

101 9.8 9.0 13.6

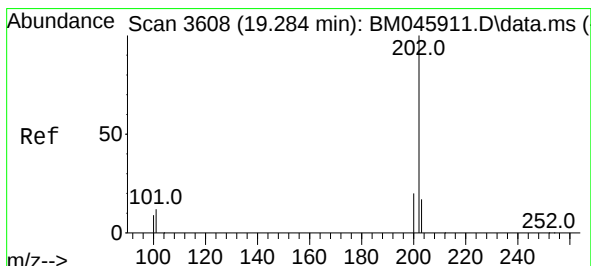
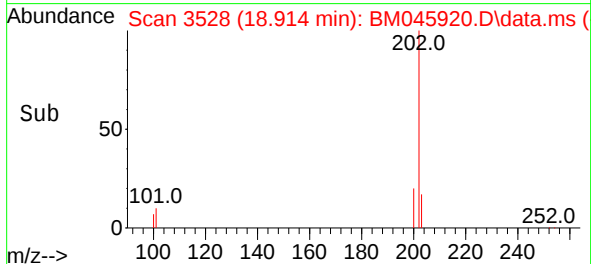
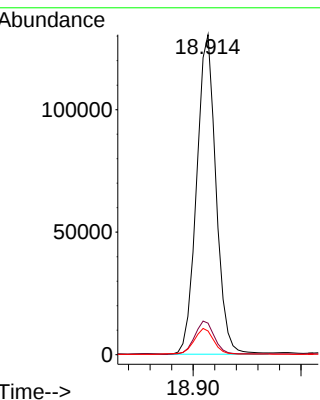
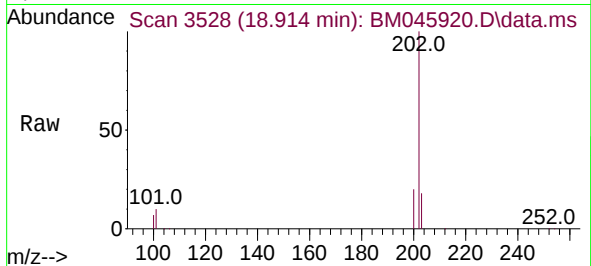
100 7.4 7.0 10.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/13/2024



#20

Pyrene

Concen: 1.849 ng/ul

RT: 19.276 min Scan# 3606

Delta R.T. -0.008 min

Lab File: BM045920.D

Acq: 08 Jun 2024 17:28

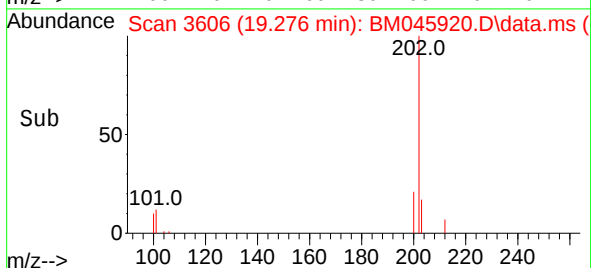
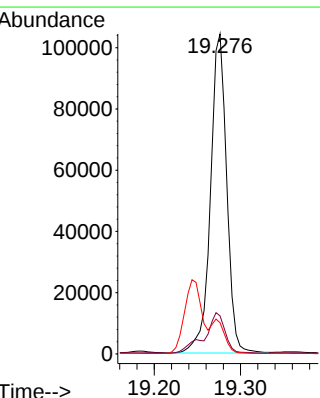
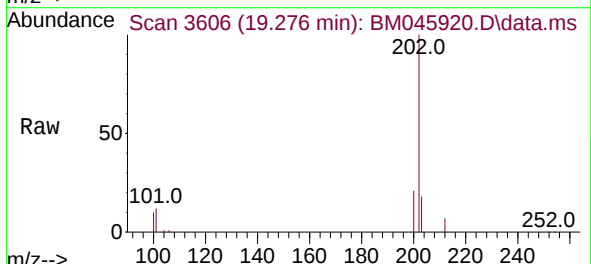
Tgt Ion:202 Resp: 136433

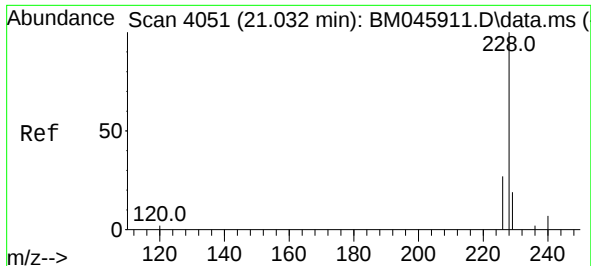
Ion Ratio Lower Upper

202 100

101 11.9 10.6 16.0

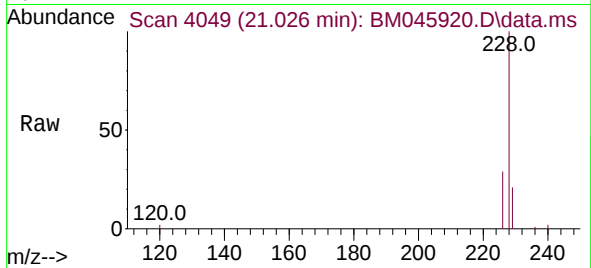
100 9.8 9.1 13.7





#21
Benzo(a)anthracene
Concen: 0.980 ng/ul
RT: 21.026 min Scan# 4051
Delta R.T. -0.009 min
Lab File: BM045920.D
Acq: 08 Jun 2024 17:28

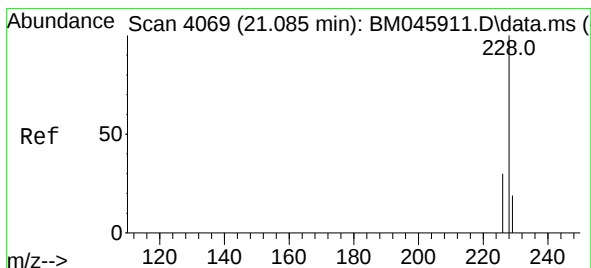
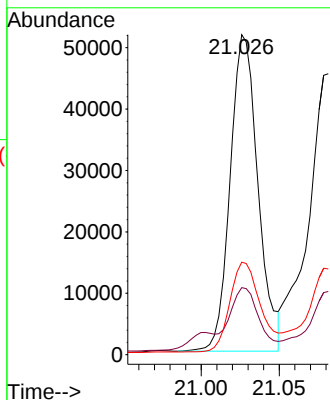
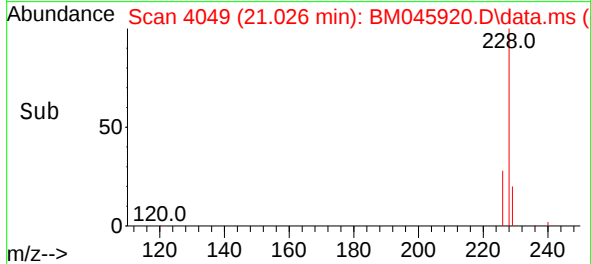
Instrument :
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Tgt Ion:228 Resp: 63810
Ion Ratio Lower Upper
228 100
229 21.0 15.7 23.5
226 28.9 22.0 33.0

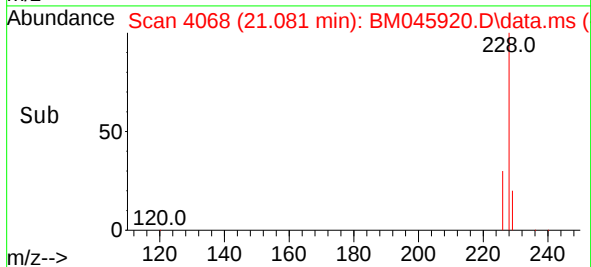
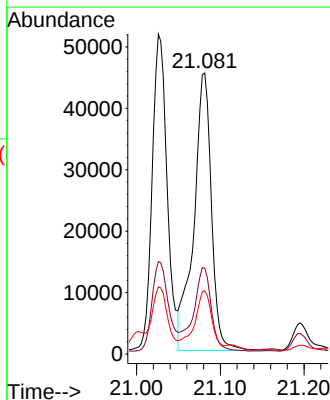
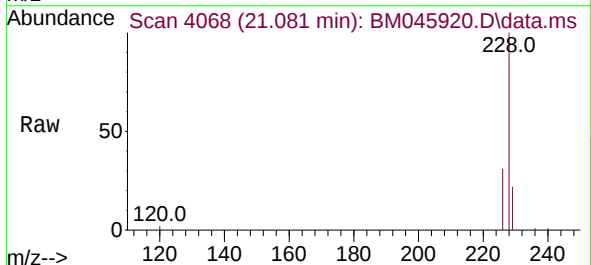
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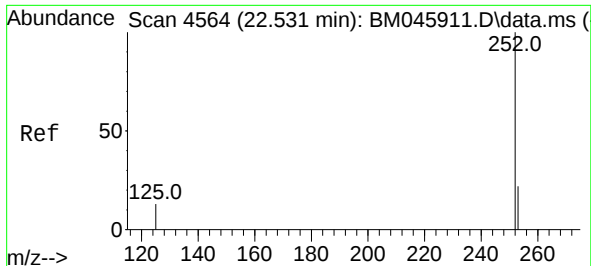
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#22
Chrysene
Concen: 0.933 ng/ul
RT: 21.081 min Scan# 4068
Delta R.T. -0.006 min
Lab File: BM045920.D
Acq: 08 Jun 2024 17:28

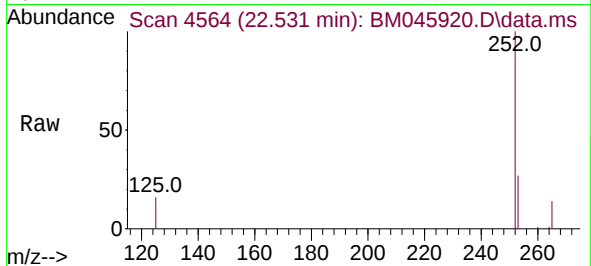
Tgt Ion:228 Resp: 66112
Ion Ratio Lower Upper
228 100
226 30.5 24.5 36.7
229 22.5 16.2 24.2





#24
Benzo(b)fluoranthene
Concen: 1.334 ng/ul m
RT: 22.531 min Scan# 4564
Delta R.T. -0.006 min
Lab File: BM045920.D
Acq: 08 Jun 2024 17:28

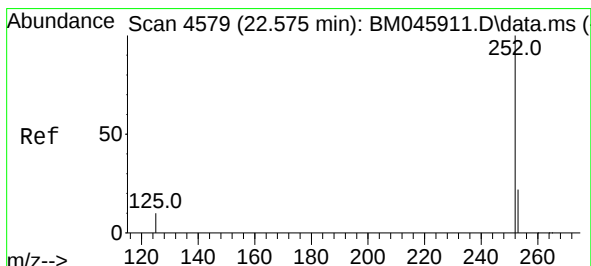
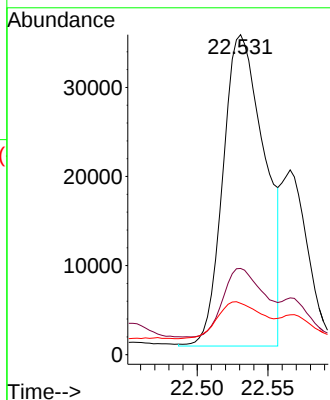
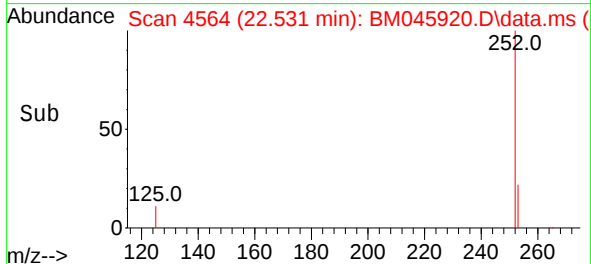
Instrument :
BNA_M
ClientSampleId :
A4C35



Tgt Ion:252 Resp: 7157
Ion Ratio Lower Upper
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253 27.0 0.0 63.6
125 16.1 0.0 35.8

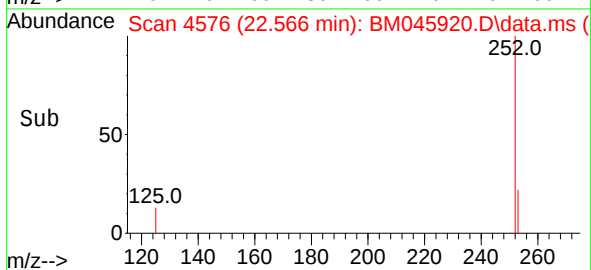
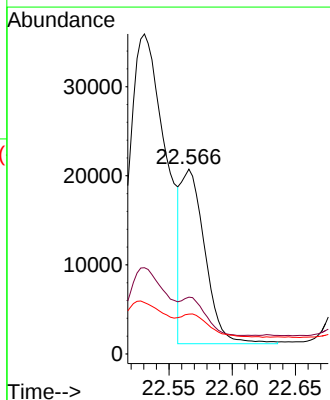
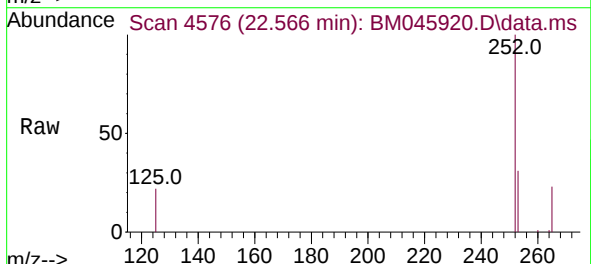
Manual Integrations
APPROVED

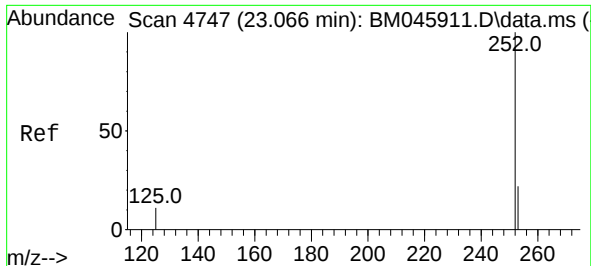
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#25
Benzo(k)fluoranthene
Concen: 0.439 ng/ul m
RT: 22.566 min Scan# 4576
Delta R.T. -0.015 min
Lab File: BM045920.D
Acq: 08 Jun 2024 17:28

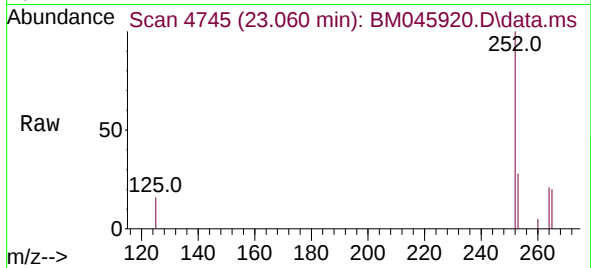
Tgt Ion:252 Resp: 25863
Ion Ratio Lower Upper
252 100
253 30.8 25.0 37.6
125 21.5 14.2 21.2#





#26
Benzo(a)pyrene
Concen: 0.900 ng/ul m
RT: 23.060 min Scan# 4745
Delta R.T. -0.012 min
Lab File: BM045920.D
Acq: 08 Jun 2024 17:28

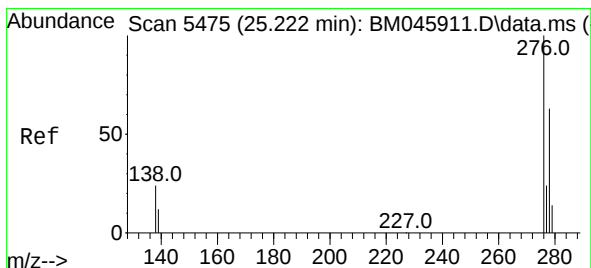
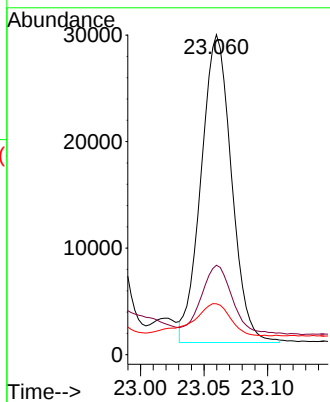
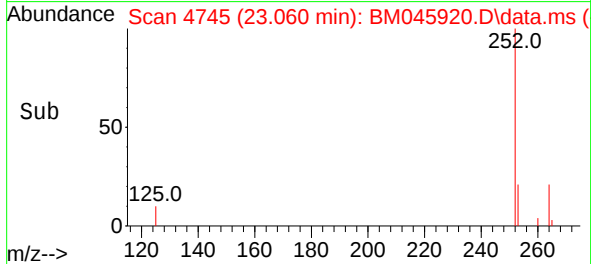
Instrument :
BNA_M
ClientSampleId :
A4C35



Tgt Ion:252 Resp: 4805
Ion Ratio Lower Upper
252 100
253 27.9 28.8 43.2
125 15.9 17.3 25.9

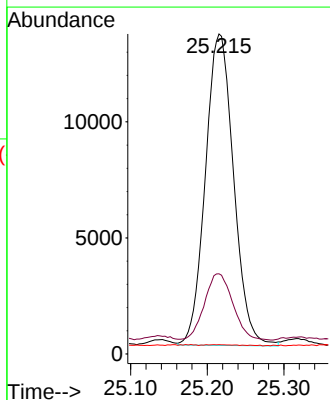
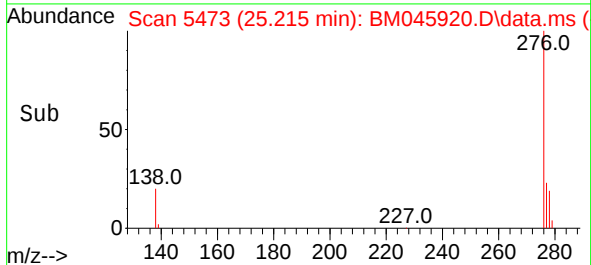
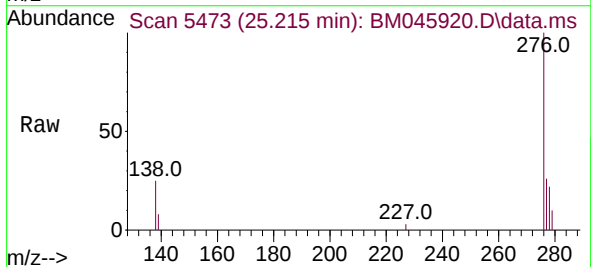
Manual Integrations
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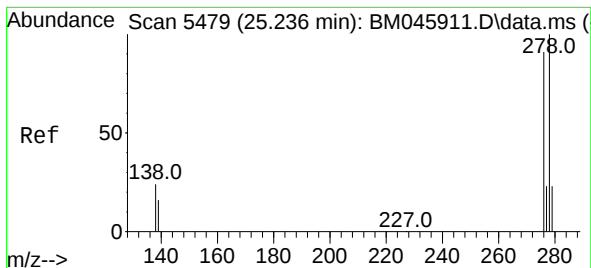
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.498 ng/ul
RT: 25.215 min Scan# 5473
Delta R.T. -0.017 min
Lab File: BM045920.D
Acq: 08 Jun 2024 17:28

Tgt Ion:276 Resp: 34381
Ion Ratio Lower Upper
276 100
138 21.5 20.7 31.1
227 0.1 0.2 0.2





#28

Dibenzo(a,h)anthracene

Concen: 0.151 ng/ul

RT: 25.222 min Scan# 5479

Delta R.T. -0.027 min

Lab File: BM045920.D

Acq: 08 Jun 2024 17:28

Instrument :

BNA_M

ClientSampleId :

A4C35

Tgt Ion:278 Resp: 8320

Ion Ratio Lower Upper

278 100

139 36.9 16.6 25.0

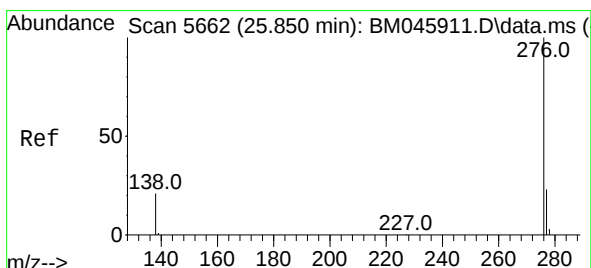
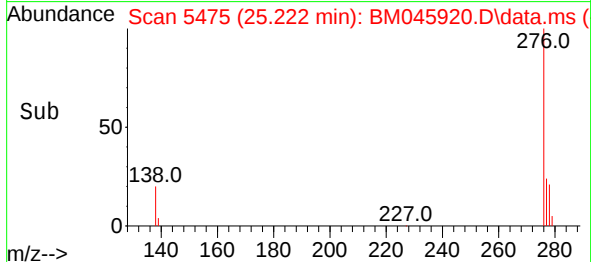
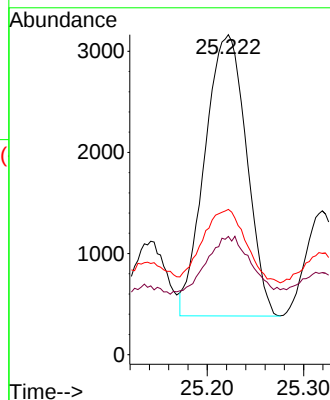
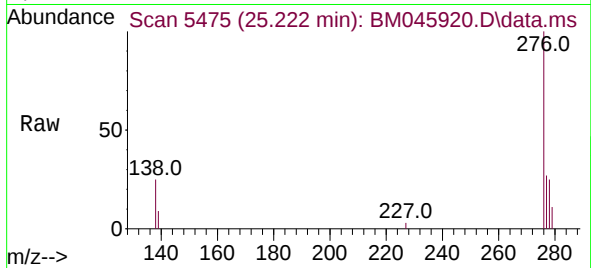
279 45.4 24.6 37.0

Manual Integrations

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Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/13/2024



#29

Benzo(g,h,i)perylene

Concen: 0.600 ng/ul

RT: 25.846 min Scan# 5661

Delta R.T. -0.017 min

Lab File: BM045920.D

Acq: 08 Jun 2024 17:28

Tgt Ion:276 Resp: 35695

Ion Ratio Lower Upper

276 100

138 25.1 21.0 31.4

277 25.6 20.5 30.7

