

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070824\
 Data File : BM046438.D
 Acq On : 08 Jul 2024 16:23
 Operator : MA/JU
 Sample : P3010-01DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4CG2DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/09/2024
 Supervised By :mohammad ahmed 07/10/2024

Quant Time: Jul 08 17:30:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM070524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 05 16:01:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.531	152	7250	0.400	ng/ul	0.00
4) Naphthalene-d8	10.297	136	20152	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.177	164	12463	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.925	188	24121	0.400	ng/ul	-0.01
17) Chrysene-d12	21.134	240	13369	0.400	ng/ul #	0.00
23) Perylene-d12	23.288	264	14894	0.400	ng/ul #	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.130	96	3623	0.484	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.897	152	1445	0.048	ng/ul	0.00
18) Fluoranthene-d10	18.964	212	2575	0.055	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.347	128	8587	0.161	ng/ul	98
7) 2-Methylnaphthalene	11.969	142	3872	0.107	ng/ul	96
8) 1-Methylnaphthalene	12.194	142	2473	0.066	ng/ul	96
10) Acenaphthylene	13.890	152	45573	0.720	ng/ul	99
11) Acenaphthene	14.237	153	4269	0.104	ng/ul	98
12) Fluorene	15.232	166	8784	0.180	ng/ul	97
14) Pentachlorophenol	16.583	266	192	0.027	ng/ul	93
15) Phenanthrene	16.967	178	173642	2.404	ng/ul	99
16) Anthracene	17.060	178	71299	1.018	ng/ul	100
19) Fluoranthene	18.996	202	487769	7.218	ng/ul#	95
20) Pyrene	19.359	202	335420	4.824	ng/ul#	92
21) Benzo(a)anthracene	21.117	228	225449	3.774	ng/ul	94
22) Chrysene	21.169	228	213631	3.597	ng/ul	98
24) Benzo(b)fluoranthene	22.654	252	259099m	4.092	ng/ul	
25) Benzo(k)fluoranthene	22.692	252	89031m	1.393	ng/ul	
26) Benzo(a)pyrene	23.195	252	93482	1.868	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	25.430	276	91147	1.348	ng/ul#	87
28) Dibenzo(a,h)anthracene	25.444	278	33589	0.642	ng/ul	94
29) Benzo(g,h,i)perylene	26.078	276	13602	0.252	ng/ul#	85

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

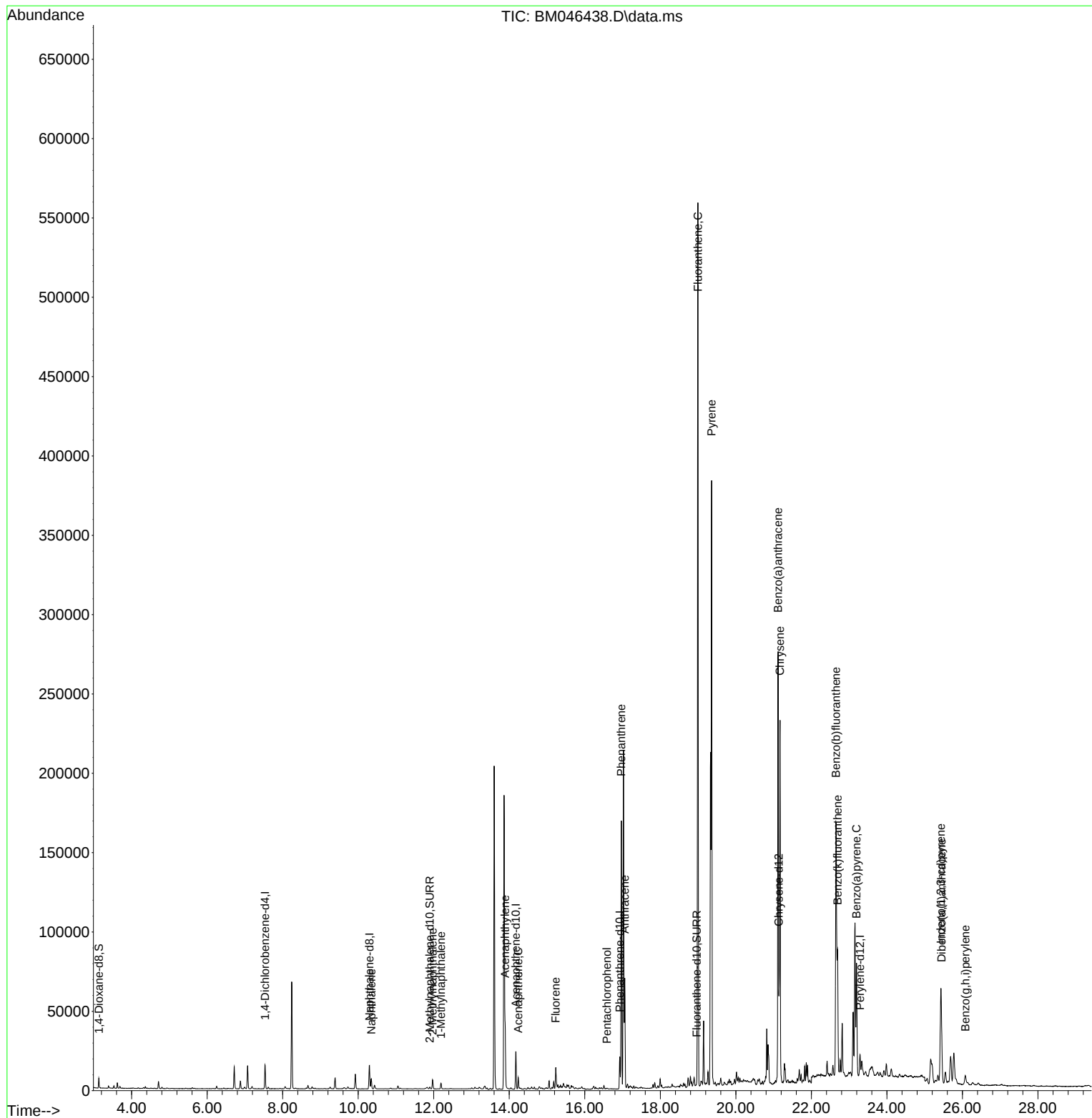
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070824\
Data File : BM046438.D
Acq On : 08 Jul 2024 16:23
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Sample : P3010-01DL 5X
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ALS Vial : 10 Sample Multiplier: 1

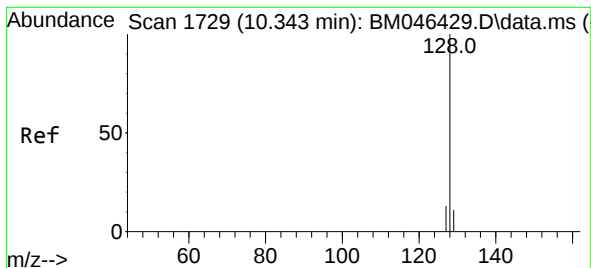
Instrument :
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Quant Time: Jul 08 17:30:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM070524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#5

Naphthalene

Concen: 0.161 ng/ul

RT: 10.347 min Scan# 1730

Delta R.T. -0.005 min

Lab File: BM046438.D

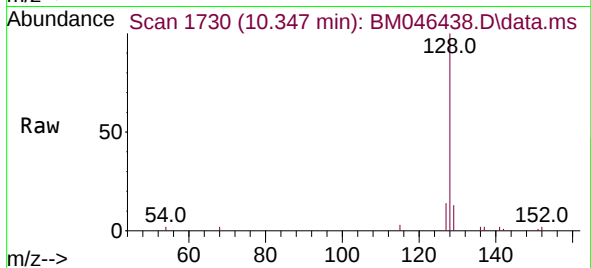
Acq: 08 Jul 2024 16:23

Instrument :

BNA_M

ClientSampleId :

A4CG2DL



Tgt Ion:128 Resp: 858

Ion Ratio Lower Upper

128 100

129 12.9 9.4 14.0

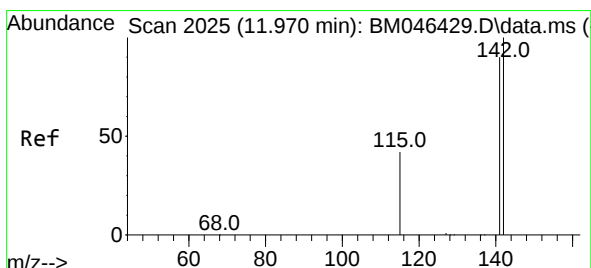
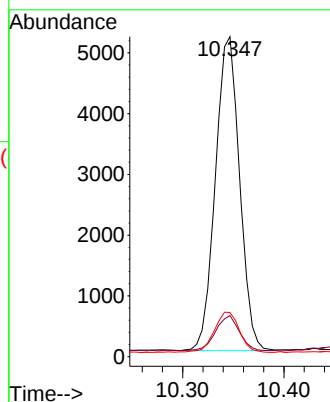
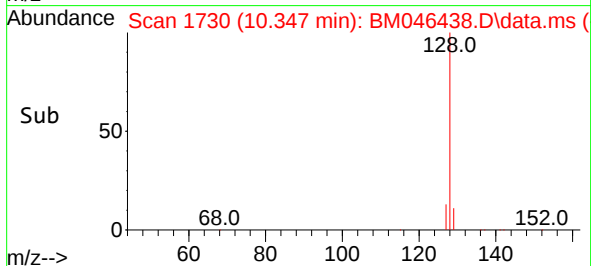
127 13.8 10.8 16.2

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Supervised By :mohammad ahmed 07/10/2024



#7

2-Methylnaphthalene

Concen: 0.107 ng/ul

RT: 11.969 min Scan# 2025

Delta R.T. -0.011 min

Lab File: BM046438.D

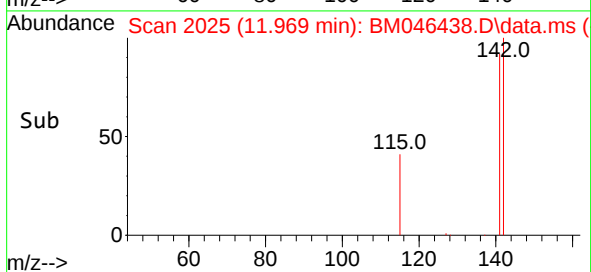
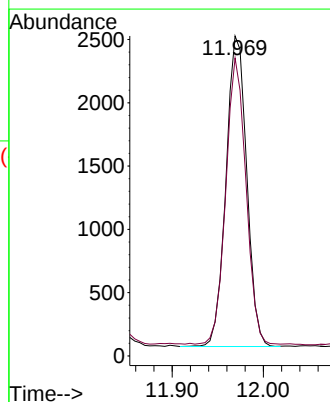
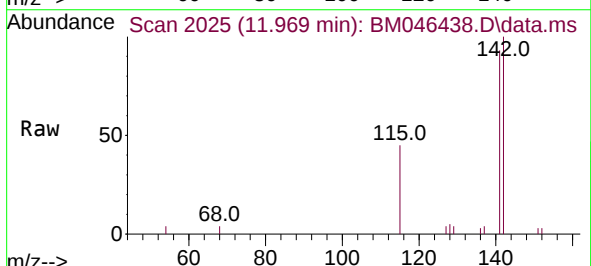
Acq: 08 Jul 2024 16:23

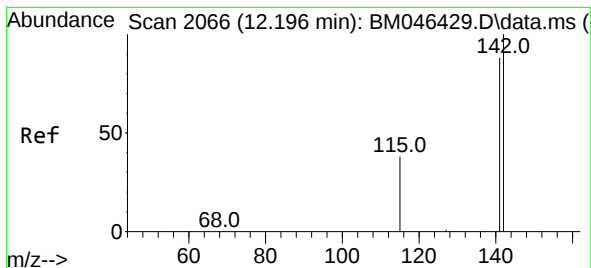
Tgt Ion:142 Resp: 3872

Ion Ratio Lower Upper

142 100

141 90.6 69.8 104.6





#8

1-Methylnaphthalene

Concen: 0.066 ng/ul

RT: 12.194 min Scan# 2066

Delta R.T. -0.005 min

Lab File: BM046438.D

Acq: 08 Jul 2024 16:23

Instrument :

BNA_M

ClientSampleId :

A4CG2DL

Tgt Ion:142 Resp: 247

Ion Ratio Lower Upper

142 100

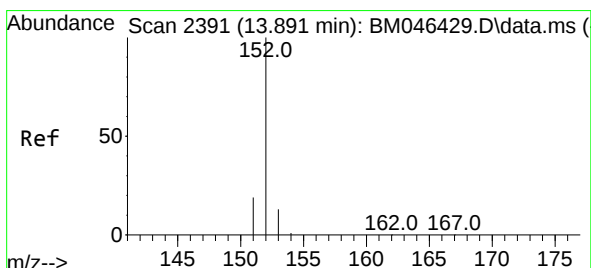
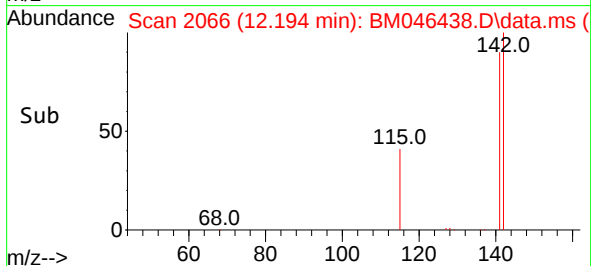
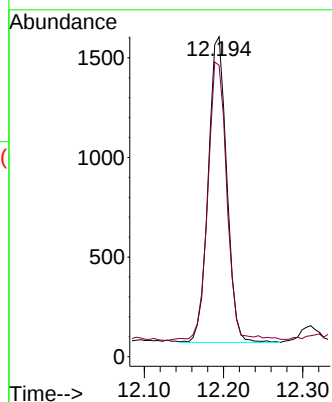
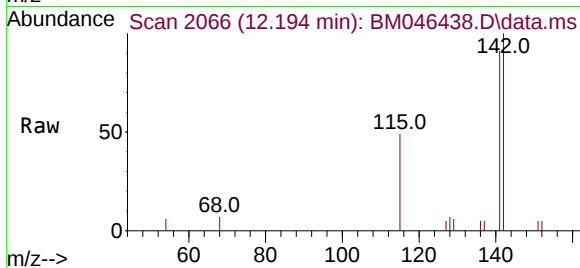
141 94.7 72.4 108.6

Manual Integrations

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#10

Acenaphthylene

Concen: 0.720 ng/ul

RT: 13.890 min Scan# 2391

Delta R.T. -0.009 min

Lab File: BM046438.D

Acq: 08 Jul 2024 16:23

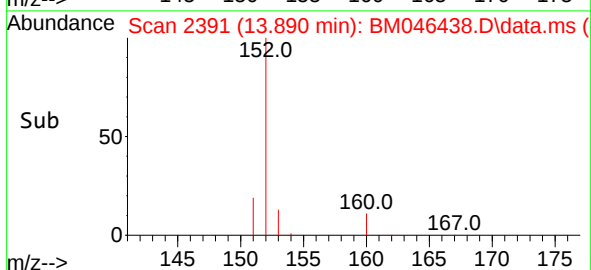
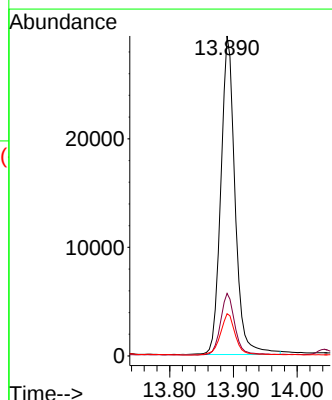
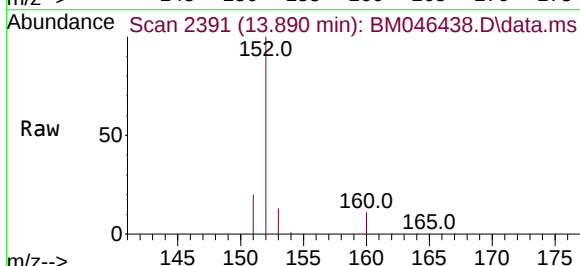
Tgt Ion:152 Resp: 45573

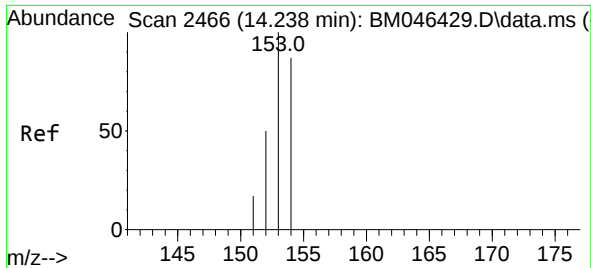
Ion Ratio Lower Upper

152 100

151 19.5 15.9 23.9

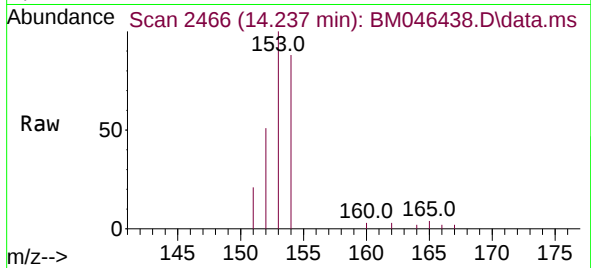
153 13.2 11.0 16.6





#11
Acenaphthene
Concen: 0.104 ng/ul
RT: 14.237 min Scan# 2466
Delta R.T. -0.009 min
Lab File: BM046438.D
Acq: 08 Jul 2024 16:23

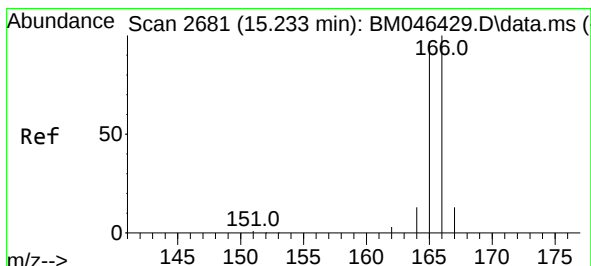
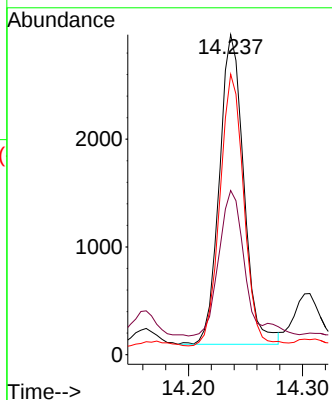
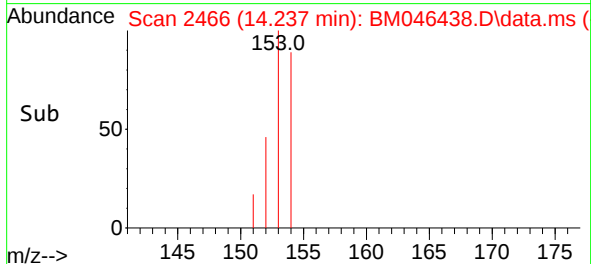
Instrument :
BNA_M
ClientSampleId :
A4CG2DL



Tgt Ion:153 Resp: 4269
Ion Ratio Lower Upper
153 100
152 51.3 40.4 60.6
154 87.7 72.1 108.1

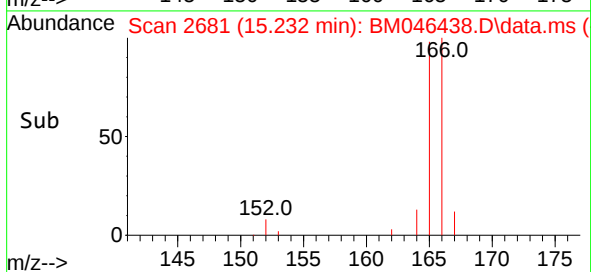
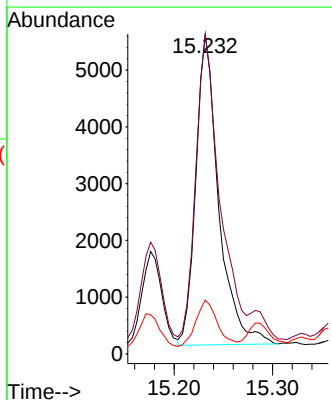
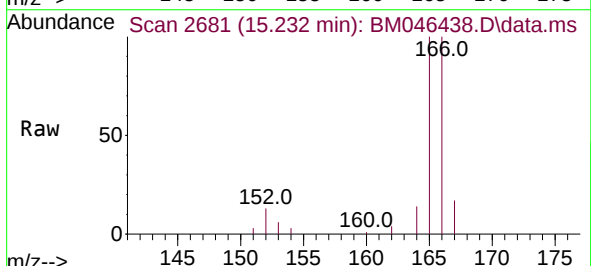
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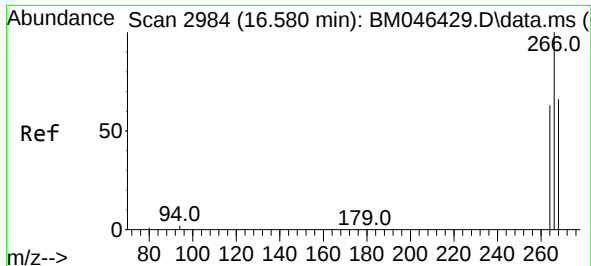
Reviewed By :Yogesh Patel 07/09/2024
Supervised By :mohammad ahmed 07/10/2024



#12
Fluorene
Concen: 0.180 ng/ul
RT: 15.232 min Scan# 2681
Delta R.T. -0.009 min
Lab File: BM046438.D
Acq: 08 Jul 2024 16:23

Tgt Ion:166 Resp: 8784
Ion Ratio Lower Upper
166 100
165 100.4 78.0 117.0
167 16.9 11.4 17.0





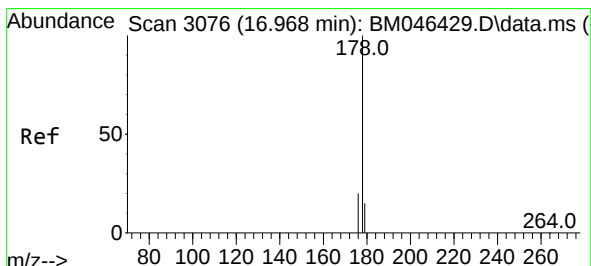
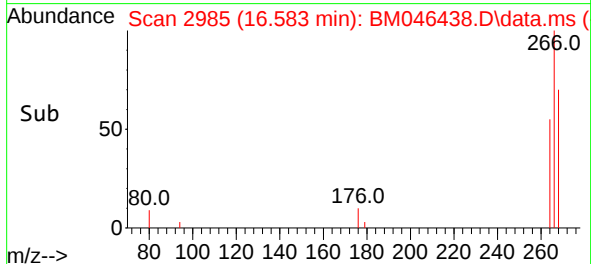
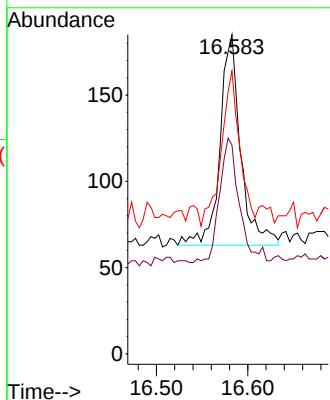
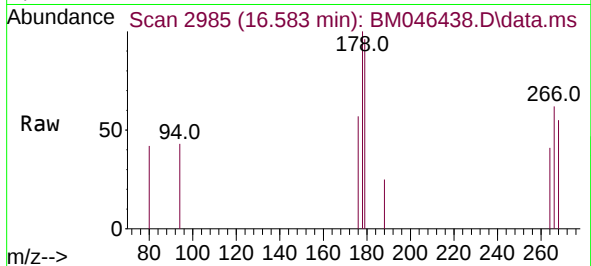
#14
Pentachlorophenol
Concen: 0.027 ng/ul
RT: 16.583 min Scan# 2984
Delta R.T. -0.004 min
Lab File: BM046438.D
Acq: 08 Jul 2024 16:23

Instrument :
BNA_M
ClientSampleId :
A4CG2DL

Tgt Ion:266 Resp: 192
Ion Ratio Lower Upper
266 100
264 57.8 51.0 76.6
268 67.7 50.8 76.2

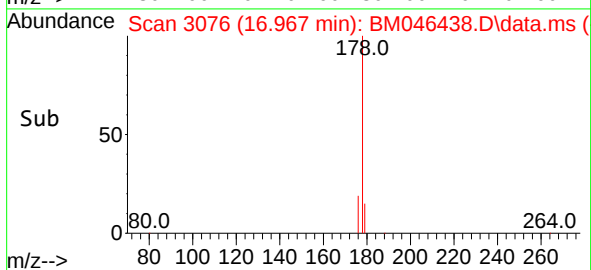
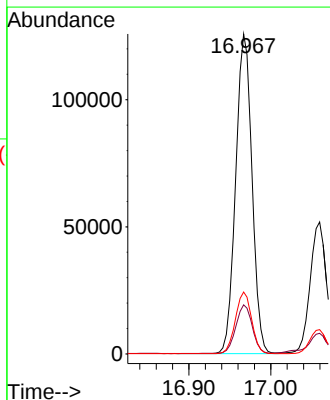
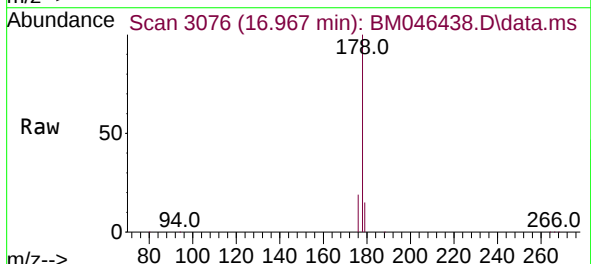
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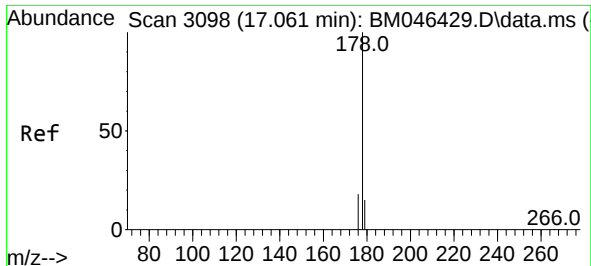
Reviewed By :Yogesh Patel 07/09/2024
Supervised By :mohammad ahmed 07/10/2024



#15
Phenanthrene
Concen: 2.404 ng/ul
RT: 16.967 min Scan# 3076
Delta R.T. -0.008 min
Lab File: BM046438.D
Acq: 08 Jul 2024 16:23

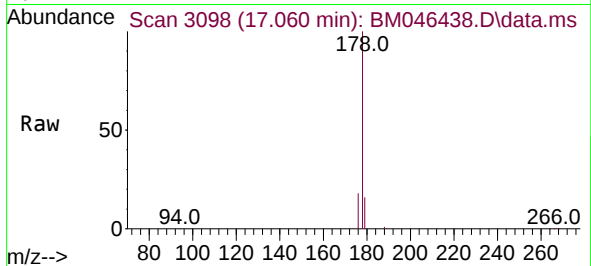
Tgt Ion:178 Resp: 173642
Ion Ratio Lower Upper
178 100
179 15.3 12.7 19.1
176 19.4 16.0 24.0





#16
 Anthracene
 Concen: 1.018 ng/ul
 RT: 17.060 min Scan# 3098
 Delta R.T. -0.008 min
 Lab File: BM046438.D
 Acq: 08 Jul 2024 16:23

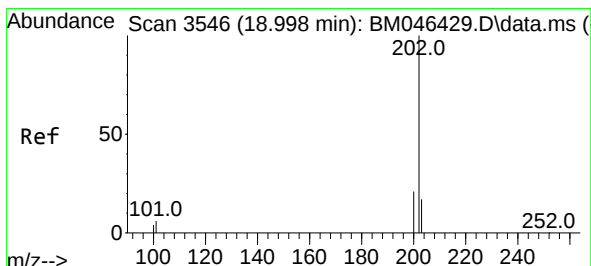
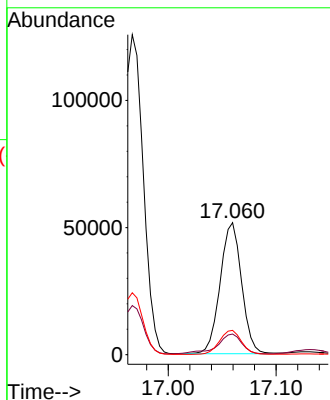
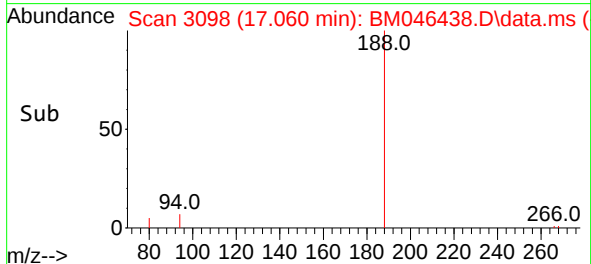
Instrument :
 BNA_M
 ClientSampleId :
 A4CG2DL



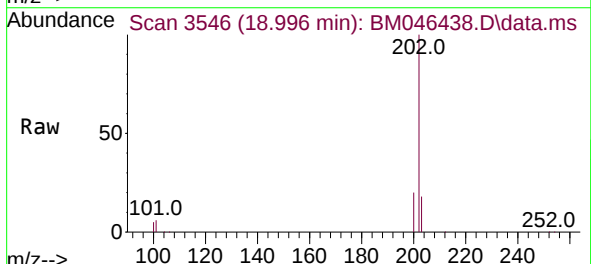
Tgt Ion:178 Resp: 71299
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.6 18.8
 176 18.5 14.9 22.3

Manual Integrations
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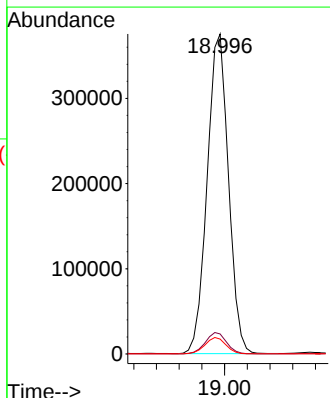
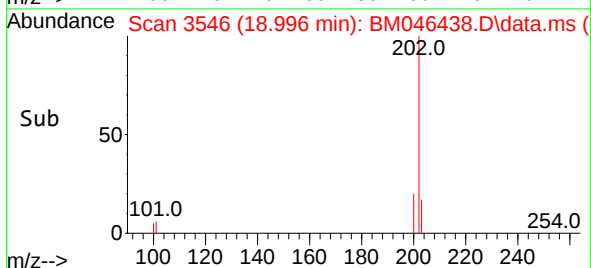
Reviewed By :Yogesh Patel 07/09/2024
 Supervised By :mohammad ahmed 07/10/2024

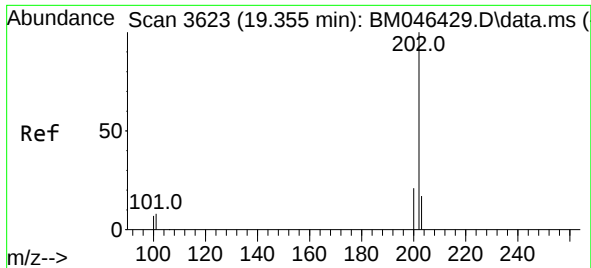


#19
 Fluoranthene
 Concen: 7.218 ng/ul
 RT: 18.996 min Scan# 3546
 Delta R.T. -0.009 min
 Lab File: BM046438.D
 Acq: 08 Jul 2024 16:23



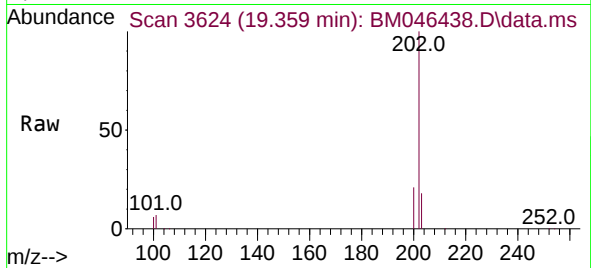
Tgt Ion:202 Resp: 487769
 Ion Ratio Lower Upper
 202 100
 101 6.2 6.3 9.5#
 100 4.6 5.0 7.6#





#20
Pyrene
Concen: 4.824 ng/ul
RT: 19.359 min Scan# 3624
Delta R.T. -0.005 min
Lab File: BM046438.D
Acq: 08 Jul 2024 16:23

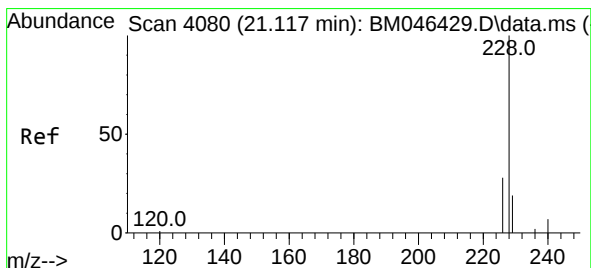
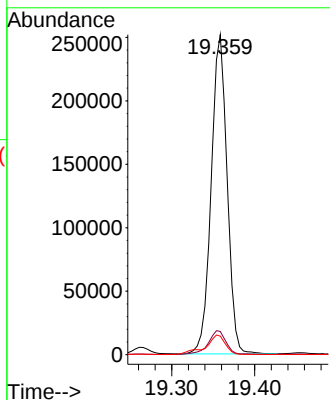
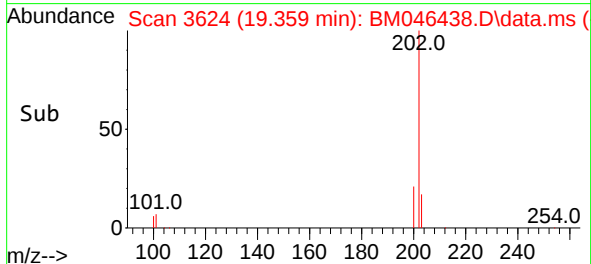
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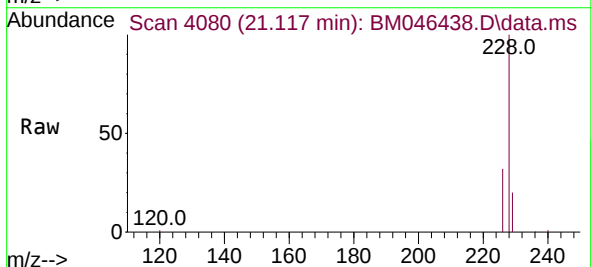
Tgt Ion:202 Resp: 335420
Ion Ratio Lower Upper
202 100
101 7.2 8.2 12.4
100 5.8 6.9 10.3

Manual Integrations
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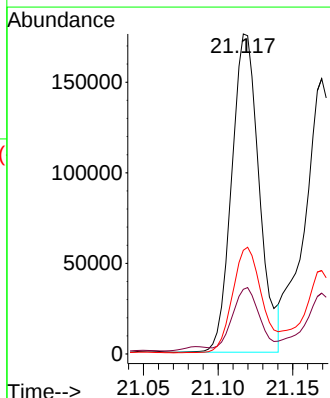
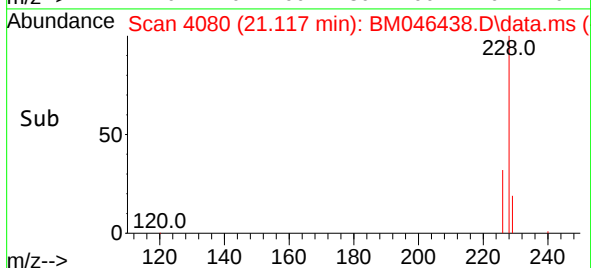
Reviewed By :Yogesh Patel 07/09/2024
Supervised By :mohammad ahmed 07/10/2024

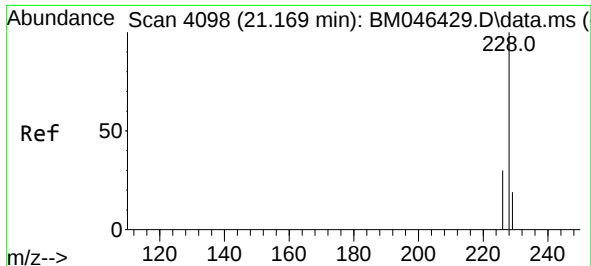


#21
Benzo(a)anthracene
Concen: 3.774 ng/ul
RT: 21.117 min Scan# 4080
Delta R.T. -0.009 min
Lab File: BM046438.D
Acq: 08 Jul 2024 16:23



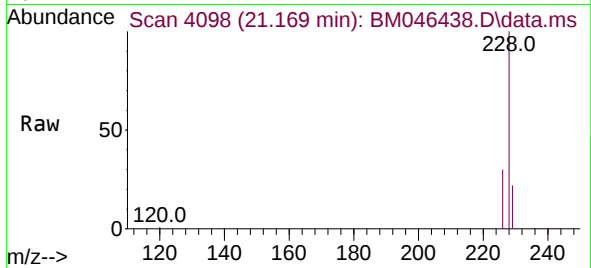
Tgt Ion:228 Resp: 225449
Ion Ratio Lower Upper
228 100
229 20.2 15.8 23.6
226 32.4 22.0 33.0





#22
Chrysene
Concen: 3.597 ng/ul
RT: 21.169 min Scan# 4098
Delta R.T. -0.009 min
Lab File: BM046438.D
Acq: 08 Jul 2024 16:23

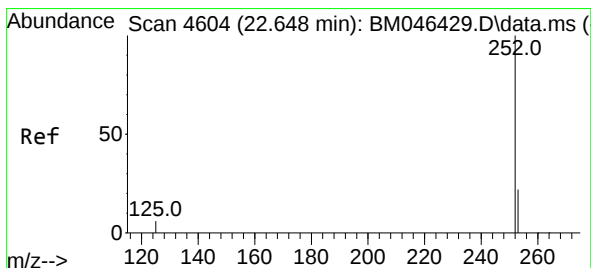
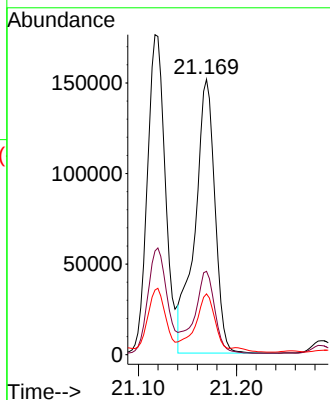
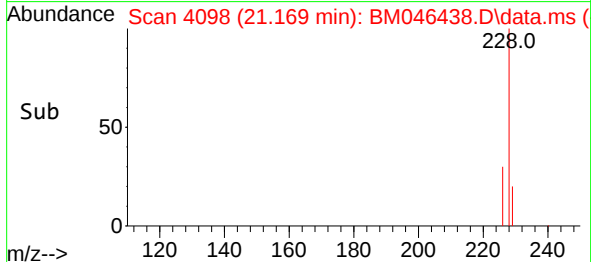
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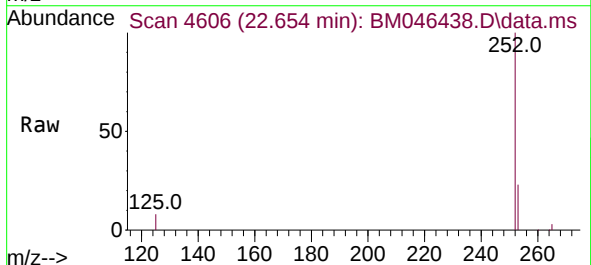
Tgt Ion:228 Resp: 21363
Ion Ratio Lower Upper
228 100
226 30.3 24.1 36.1
229 22.1 15.8 23.6

Manual Integrations
APPROVED

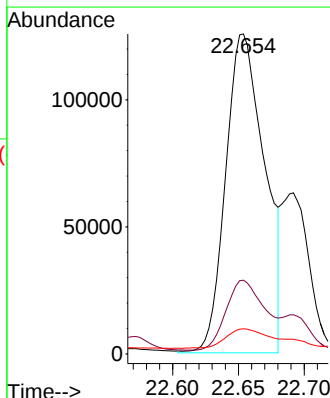
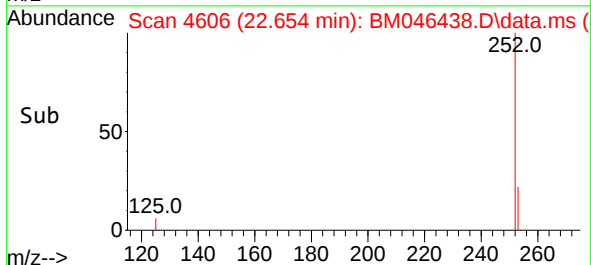
Reviewed By :Yogesh Patel 07/09/2024
Supervised By :mohammad ahmed 07/10/2024

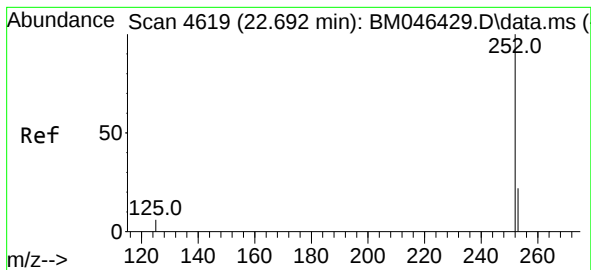


#24
Benzo(b)fluoranthene
Concen: 4.092 ng/ul m
RT: 22.654 min Scan# 4606
Delta R.T. -0.009 min
Lab File: BM046438.D
Acq: 08 Jul 2024 16:23



Tgt Ion:252 Resp: 259099
Ion Ratio Lower Upper
252 100
253 23.0 0.0 47.0
125 7.9 0.0 18.4





#25

Benzo(k)fluoranthene

Concen: 1.393 ng/ul m

RT: 22.692 min Scan# 4619

Delta R.T. -0.015 min

Lab File: BM046438.D

Acq: 08 Jul 2024 16:23

Instrument :

BNA_M

ClientSampleId :

A4CG2DL

Tgt Ion:252 Resp: 8903

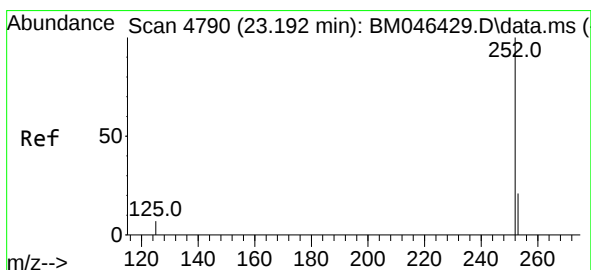
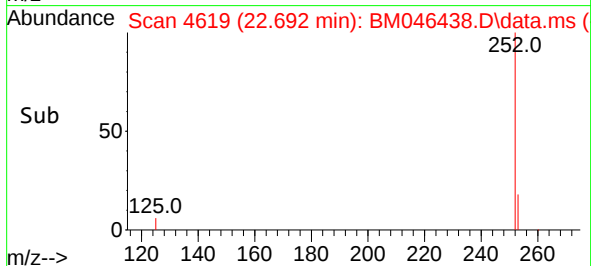
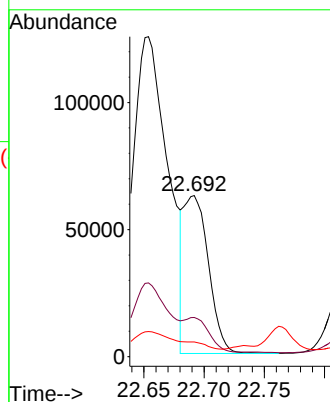
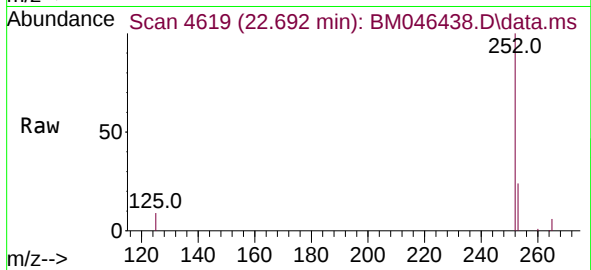
Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.4	27.6
125	9.1	7.5	11.3

Manual Integrations

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Reviewed By :Yogesh Patel 07/09/2024

Supervised By :mohammad ahmed 07/10/2024



#26

Benzo(a)pyrene

Concen: 1.868 ng/ul

RT: 23.195 min Scan# 4791

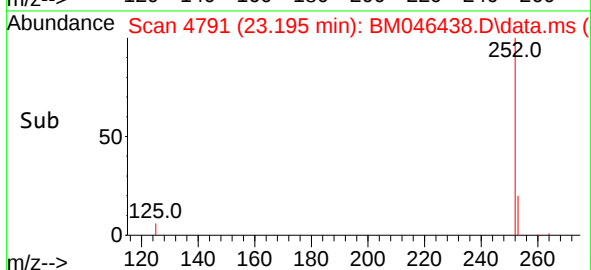
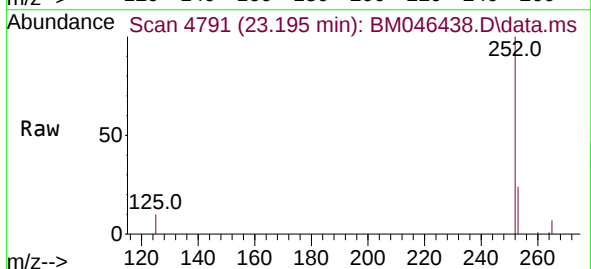
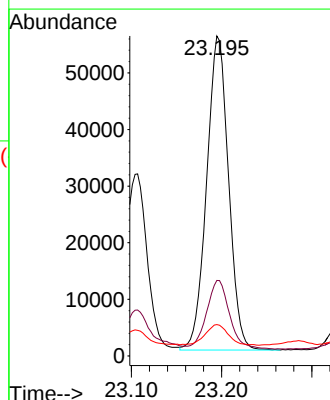
Delta R.T. -0.015 min

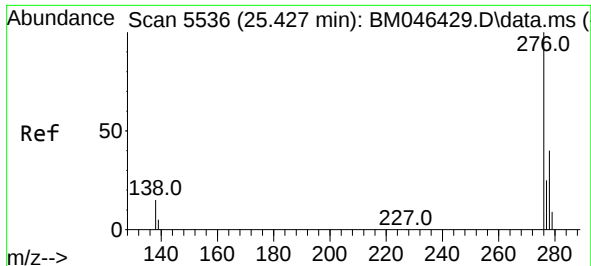
Lab File: BM046438.D

Acq: 08 Jul 2024 16:23

Tgt Ion:252 Resp: 93482

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.9	28.3
125	9.8	8.1	12.1





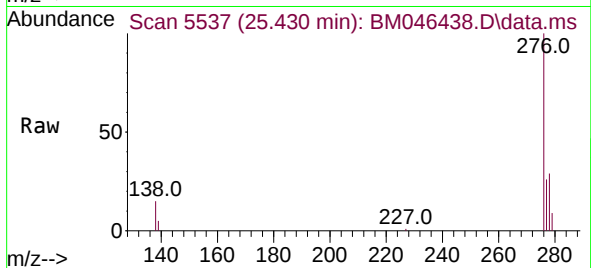
#27
Indeno(1,2,3-cd)pyrene
Concen: 1.348 ng/ul
RT: 25.430 min Scan# 5537
Delta R.T. -0.017 min
Lab File: BM046438.D
Acq: 08 Jul 2024 16:23

Instrument :

BNA_M

ClientSampleId :

A4CG2DL



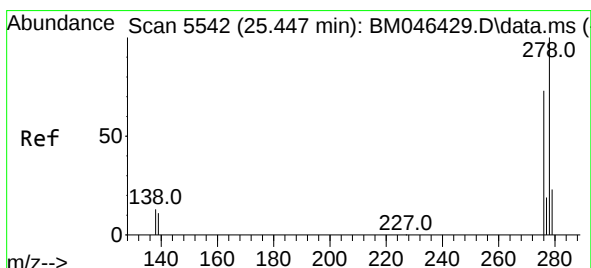
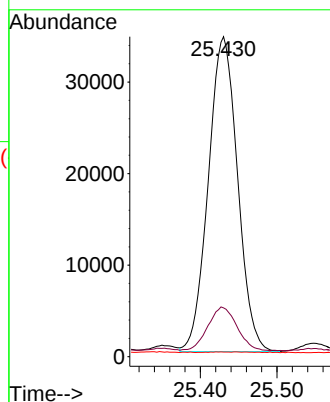
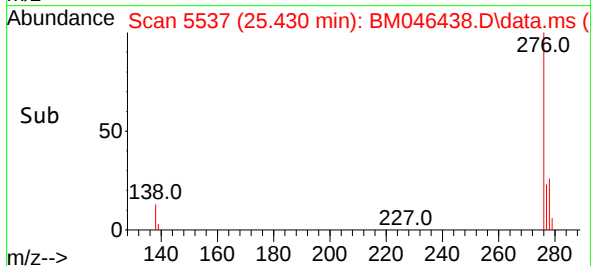
Tgt Ion:276 Resp: 9114
Ion Ratio Lower Upper
276 100
138 13.7 15.7 23.5
227 0.1 0.1 0.1

Manual Integrations

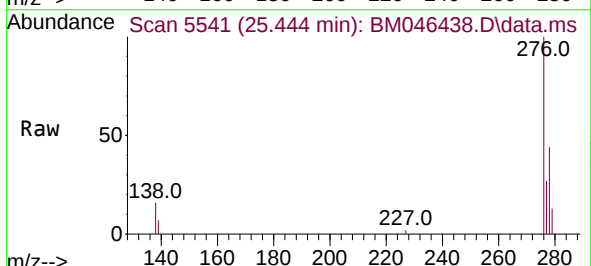
APPROVED

Reviewed By :Yogesh Patel 07/09/2024

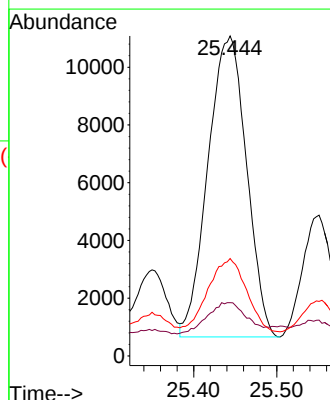
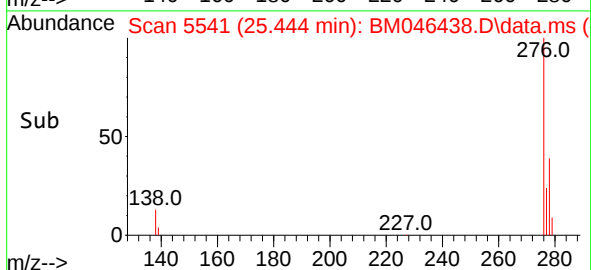
Supervised By :mohammad ahmed 07/10/2024

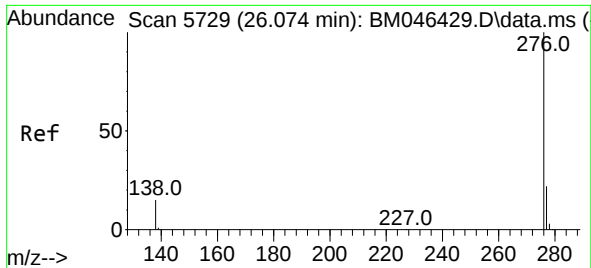


#28
Dibenzo(a,h)anthracene
Concen: 0.642 ng/ul
RT: 25.444 min Scan# 5541
Delta R.T. -0.030 min
Lab File: BM046438.D
Acq: 08 Jul 2024 16:23



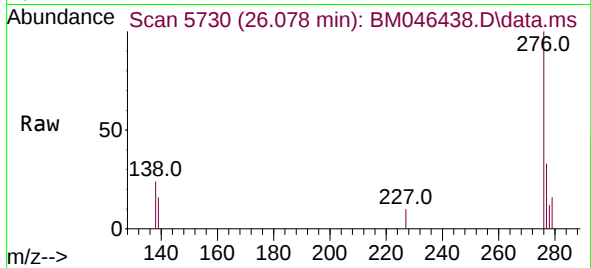
Tgt Ion:278 Resp: 33589
Ion Ratio Lower Upper
278 100
139 16.7 12.6 18.8
279 30.4 20.7 31.1





#29
Benzo(g,h,i)perylene
Concen: 0.252 ng/ul
RT: 26.078 min Scan# 51
Delta R.T. -0.013 min
Lab File: BM046438.D
Acq: 08 Jul 2024 16:23

Instrument :
BNA_M
ClientSampleId :
A4CG2DL



Tgt Ion:276 Resp: 1360
Ion Ratio Lower Upper
276 100
138 24.2 15.4 23.0
277 33.2 19.7 29.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/09/2024
Supervised By :mohammad ahmed 07/10/2024

