

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072624\
 Data File : BM046838.D
 Acq On : 26 Jul 2024 19:45
 Operator : MA/JU
 Sample : P3263-05DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BA7DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/27/2024
 Supervised By :mohammad ahmed 08/05/2024

Quant Time: Jul 27 00:07:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 24 15:10:37 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.468	152	4846	0.400	ng/ul	0.00
4) Naphthalene-d8	10.221	136	14826	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.113	164	8703	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.871	188	15812	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.081	240	8515	0.400	ng/ul	# 0.00
23) Perylene-d12	23.209	264	9368	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.096	96	2802	0.826	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.822	152	1267	0.054	ng/ul	0.00
18) Fluoranthene-d10	18.909	212	2116	0.076	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.271	128	26710	0.712	ng/ul	98
7) 2-Methylnaphthalene	11.899	142	9133	0.354	ng/ul	99
8) 1-Methylnaphthalene	12.124	142	6787	0.255	ng/ul	100
10) Acenaphthylene	13.831	152	3889	0.098	ng/ul#	91
11) Acenaphthene	14.173	153	26469	0.978	ng/ul	99
12) Fluorene	15.173	166	25874	0.765	ng/ul	98
15) Phenanthrene	16.909	178	232376	5.113	ng/ul	97
16) Anthracene	17.002	178	53002	1.253	ng/ul	99
19) Fluoranthene	18.942	202	241783	6.465	ng/ul	98
20) Pyrene	19.304	202	194901	5.038	ng/ul#	95
21) Benzo(a)anthracene	21.064	228	89721	2.529	ng/ul	99
22) Chrysene	21.116	228	78502	2.178	ng/ul	98
24) Benzo(b)fluoranthene	22.583	252	102494m	2.492	ng/ul	
25) Benzo(k)fluoranthene	22.618	252	35278m	0.851	ng/ul	
26) Benzo(a)pyrene	23.118	252	65882	2.231	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	25.309	276	42365	0.932	ng/ul#	95
28) Dibenzo(a,h)anthracene	25.319	278	11693	0.352	ng/ul#	84
29) Benzo(g,h,i)perylene	25.953	276	12844	0.321	ng/ul#	89

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

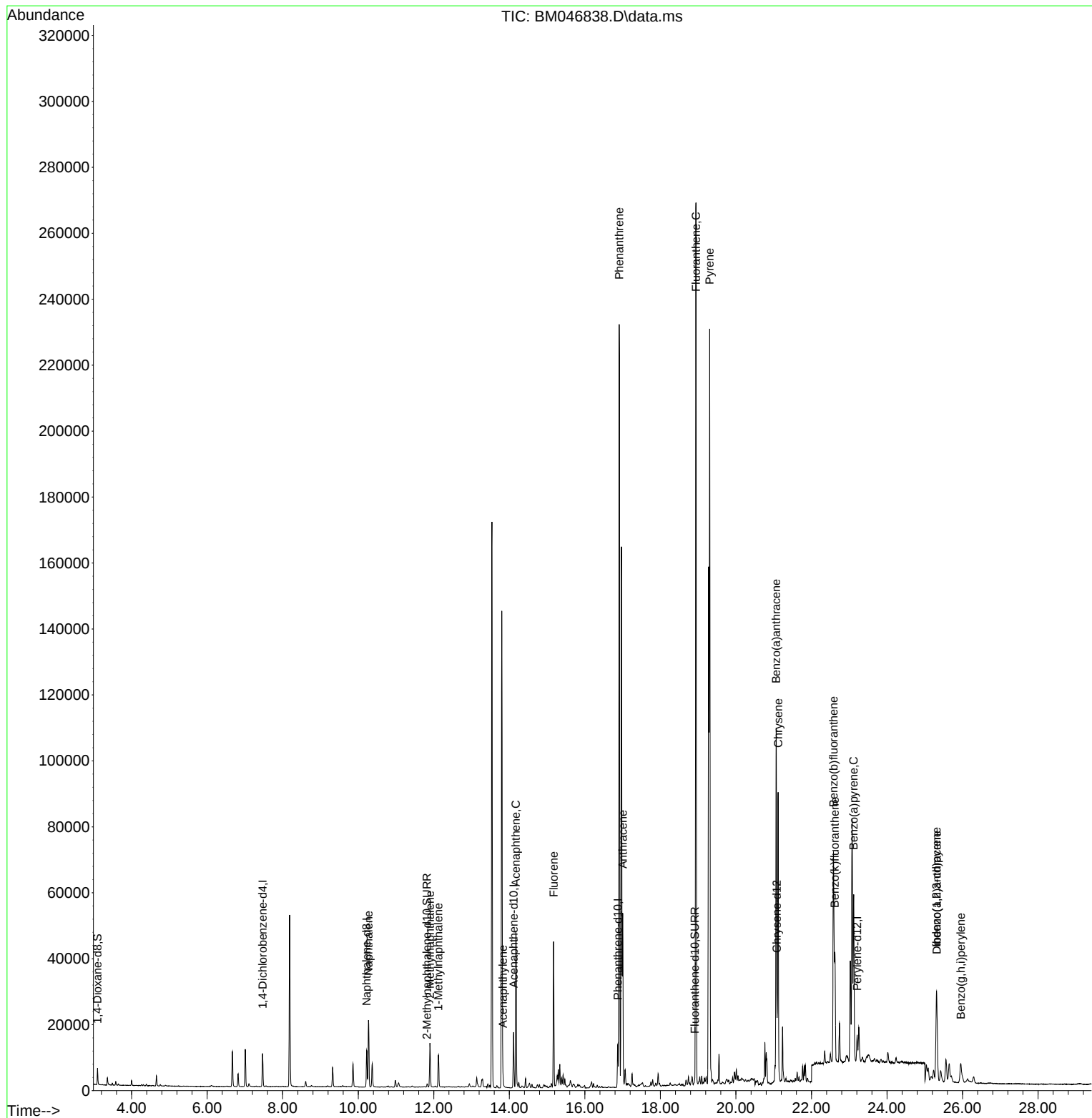
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072624\
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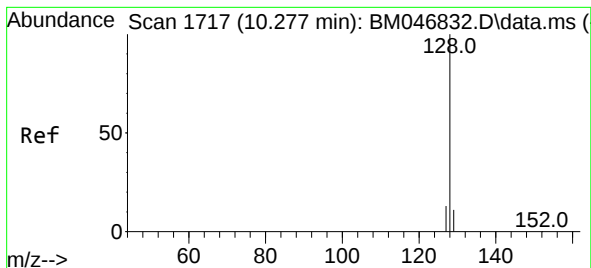
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#5

Naphthalene

Concen: 0.712 ng/ul

RT: 10.271 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM046838.D

Acq: 26 Jul 2024 19:45

Instrument :

BNA_M

ClientSampleId :

A4BA7DL

Tgt Ion:128 Resp: 26710

Ion Ratio Lower Upper

128 100

129 11.5 10.1 15.1

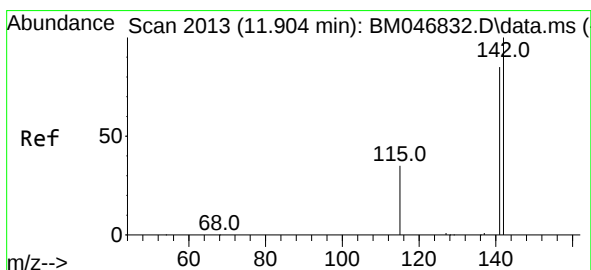
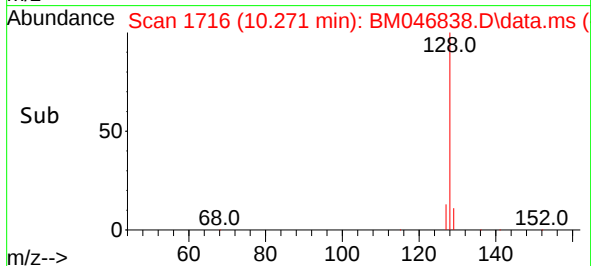
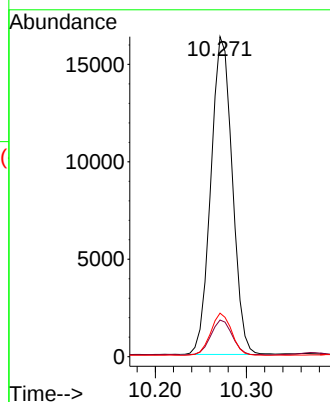
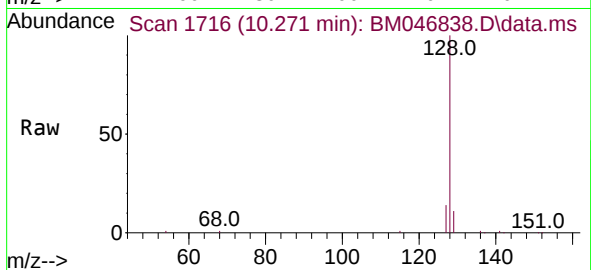
127 13.6 11.5 17.3

Manual Integrations

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Reviewed By :Yogesh Patel 07/27/2024

Supervised By :mohammad ahmed 08/05/2024



#7

2-Methylnaphthalene

Concen: 0.354 ng/ul

RT: 11.899 min Scan# 2012

Delta R.T. -0.006 min

Lab File: BM046838.D

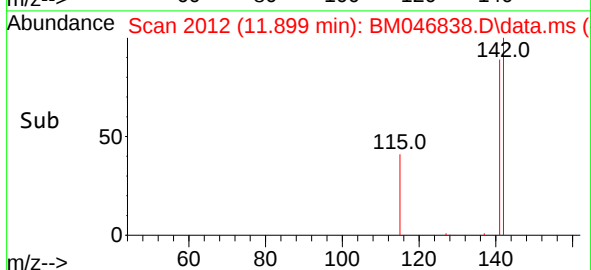
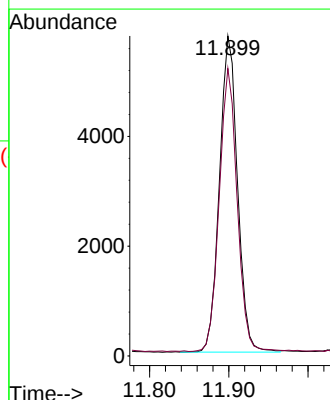
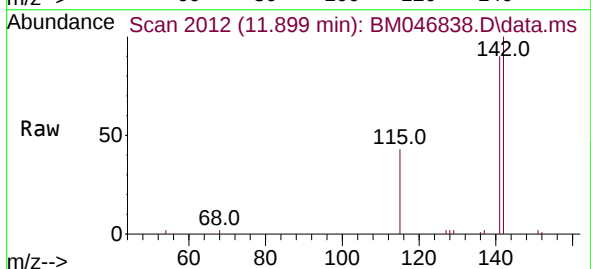
Acq: 26 Jul 2024 19:45

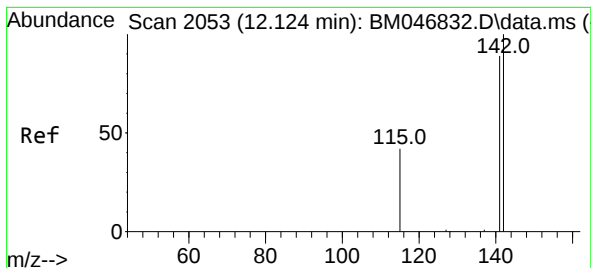
Tgt Ion:142 Resp: 9133

Ion Ratio Lower Upper

142 100

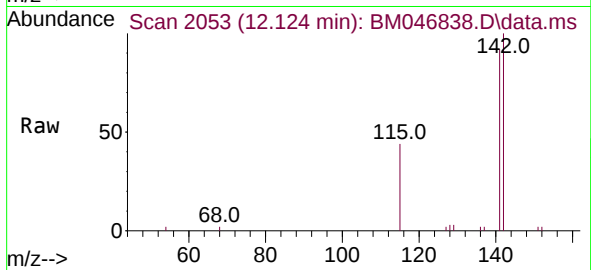
141 88.8 70.5 105.7





#8
1-Methylnaphthalene
Concen: 0.255 ng/ul
RT: 12.124 min Scan# 2053
Delta R.T. -0.006 min
Lab File: BM046838.D
Acq: 26 Jul 2024 19:45

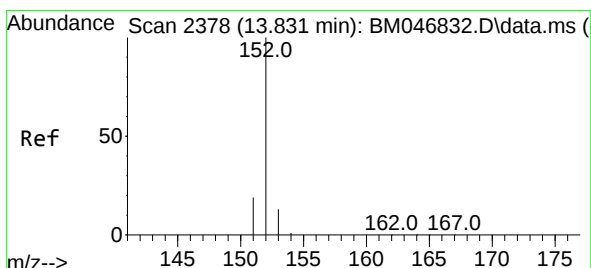
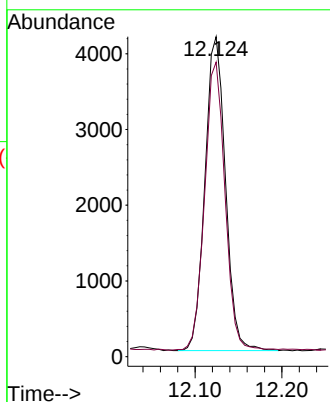
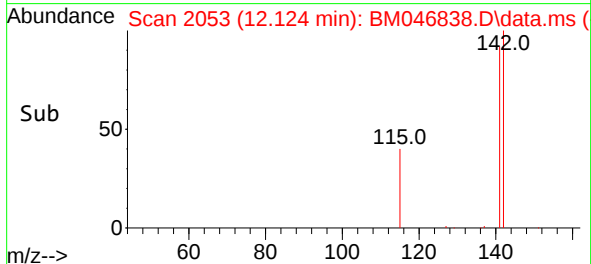
Instrument :
BNA_M
ClientSampleId :
A4BA7DL



Tgt Ion:142 Resp: 678
Ion Ratio Lower Upper
142 100
141 91.1 73.1 109.7

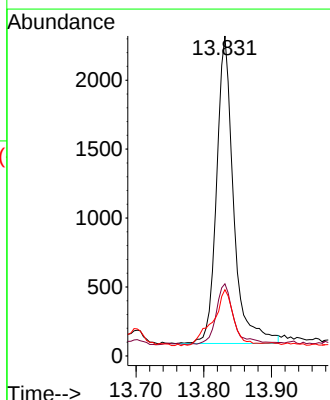
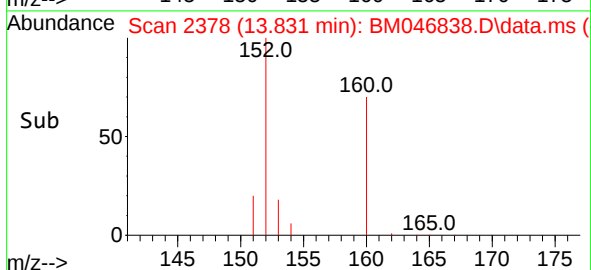
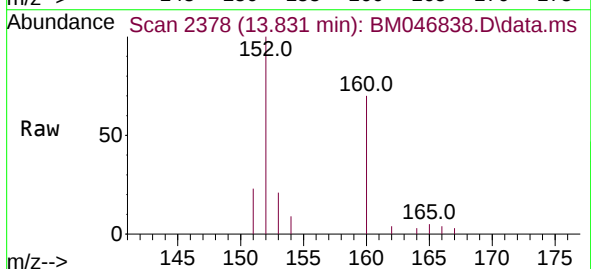
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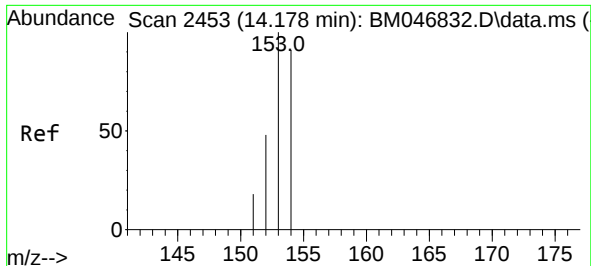
Reviewed By :Yogesh Patel 07/27/2024
Supervised By :mohammad ahmed 08/05/2024



#10
Acenaphthylene
Concen: 0.098 ng/ul
RT: 13.831 min Scan# 2378
Delta R.T. -0.000 min
Lab File: BM046838.D
Acq: 26 Jul 2024 19:45

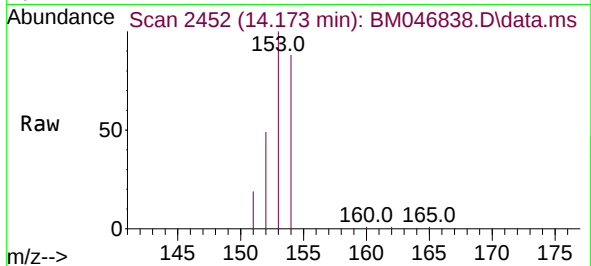
Tgt Ion:152 Resp: 3889
Ion Ratio Lower Upper
152 100
151 22.5 16.8 25.2
153 20.7 11.0 16.6#





#11
Acenaphthene
Concen: 0.978 ng/ul
RT: 14.173 min Scan# 2453
Delta R.T. -0.009 min
Lab File: BM046838.D
Acq: 26 Jul 2024 19:45

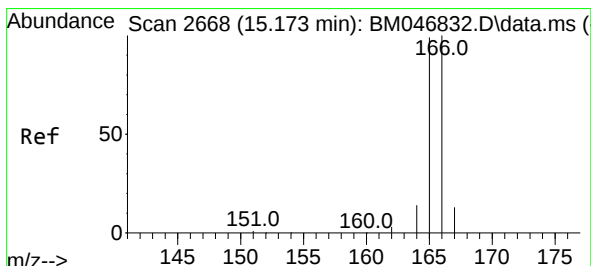
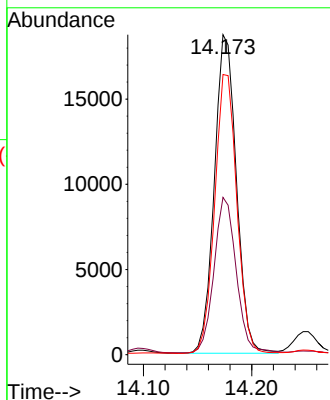
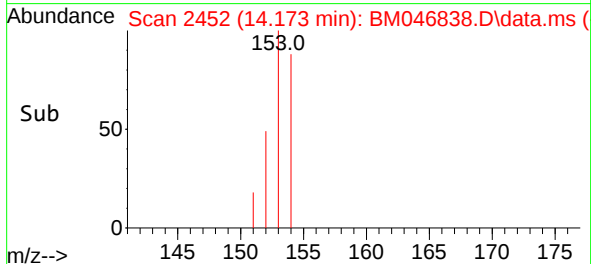
Instrument :
BNA_M
ClientSampleId :
A4BA7DL



Tgt Ion:153 Resp: 26469
Ion Ratio Lower Upper
153 100
152 49.1 38.6 57.8
154 87.6 70.8 106.2

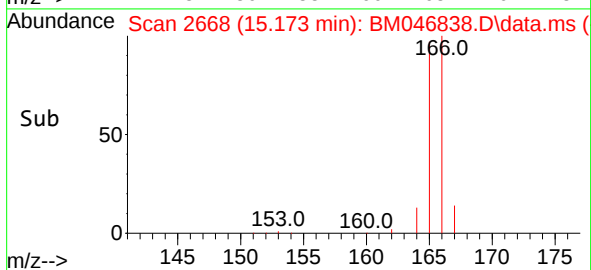
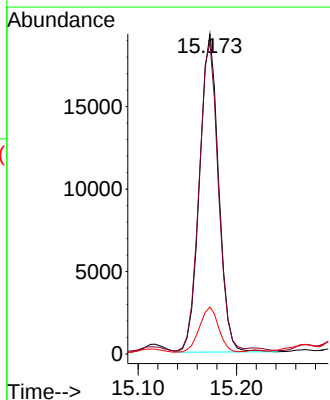
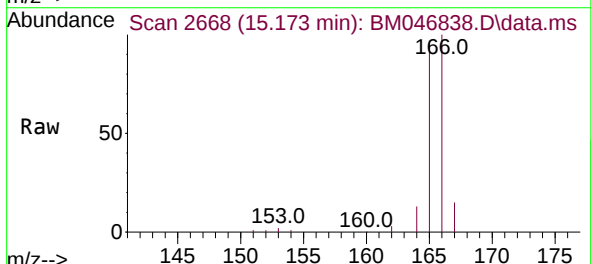
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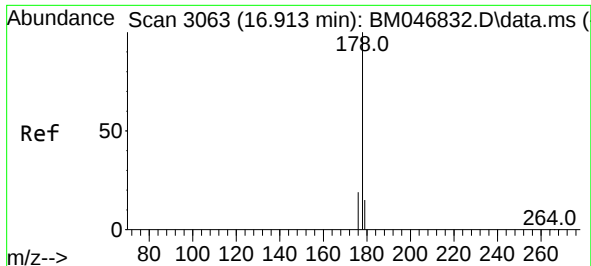
Reviewed By :Yogesh Patel 07/27/2024
Supervised By :mohammad ahmed 08/05/2024



#12
Fluorene
Concen: 0.765 ng/ul
RT: 15.173 min Scan# 2668
Delta R.T. -0.005 min
Lab File: BM046838.D
Acq: 26 Jul 2024 19:45

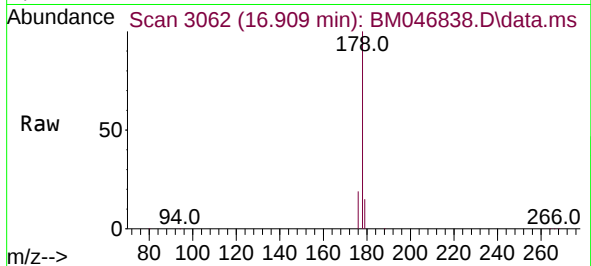
Tgt Ion:166 Resp: 25874
Ion Ratio Lower Upper
166 100
165 97.3 79.8 119.6
167 14.6 12.3 18.5





#15
Phenanthrene
Concen: 5.113 ng/ul
RT: 16.909 min Scan# 3062
Delta R.T. -0.004 min
Lab File: BM046838.D
Acq: 26 Jul 2024 19:45

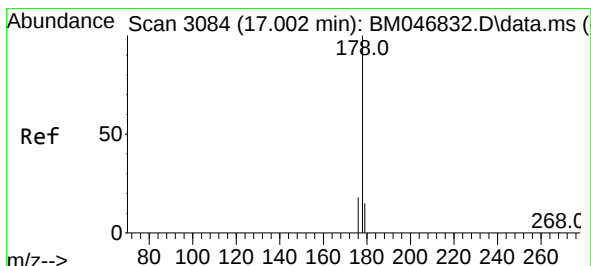
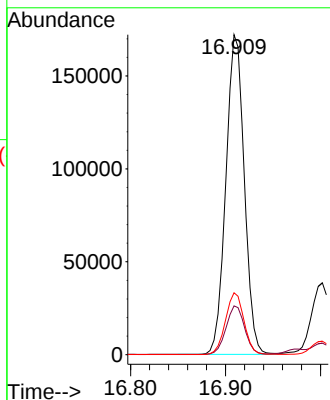
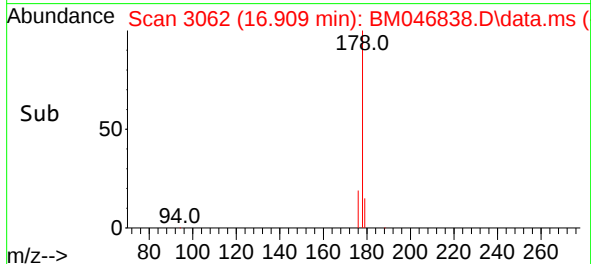
Instrument :
BNA_M
ClientSampleId :
A4BA7DL



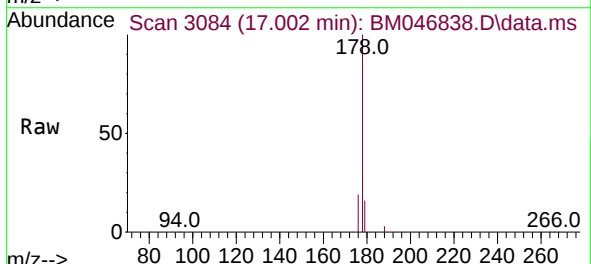
Tgt Ion:178 Resp: 232370
Ion Ratio Lower Upper
178 100
179 15.3 13.4 20.2
176 19.3 16.1 24.1

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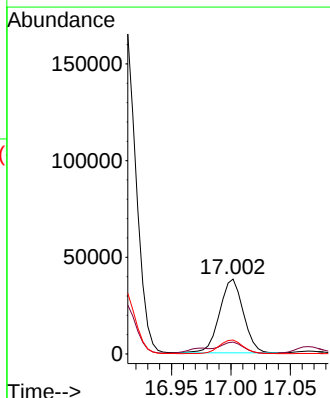
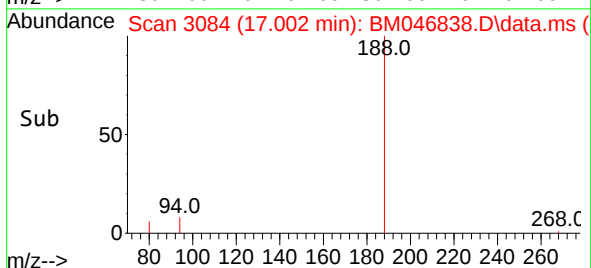
Reviewed By :Yogesh Patel 07/27/2024
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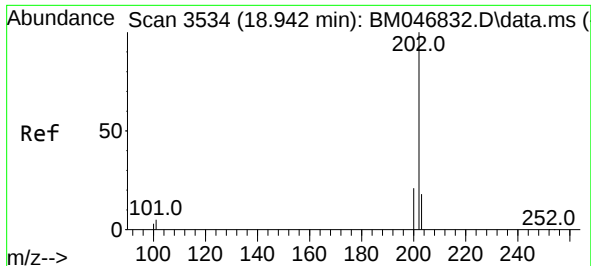


#16
Anthracene
Concen: 1.253 ng/ul
RT: 17.002 min Scan# 3084
Delta R.T. -0.004 min
Lab File: BM046838.D
Acq: 26 Jul 2024 19:45



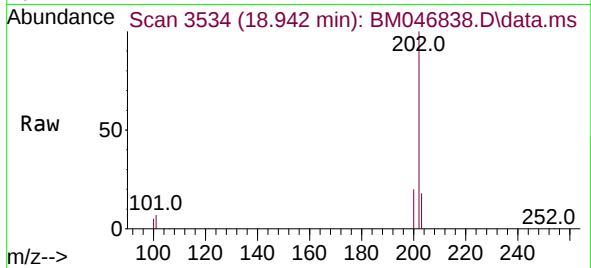
Tgt Ion:178 Resp: 53002
Ion Ratio Lower Upper
178 100
179 15.9 13.1 19.7
176 18.6 15.0 22.6





#19
Fluoranthene
Concen: 6.465 ng/ul
RT: 18.942 min Scan# 3534
Delta R.T. -0.000 min
Lab File: BM046838.D
Acq: 26 Jul 2024 19:45

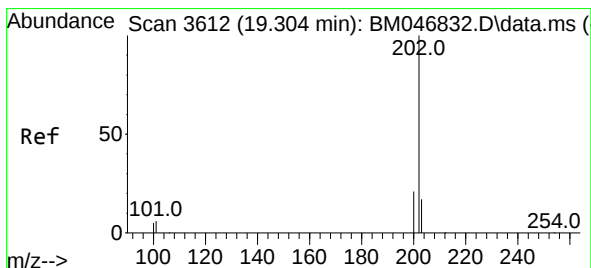
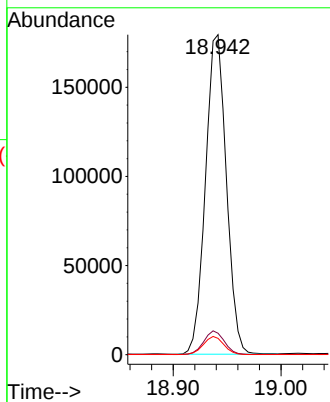
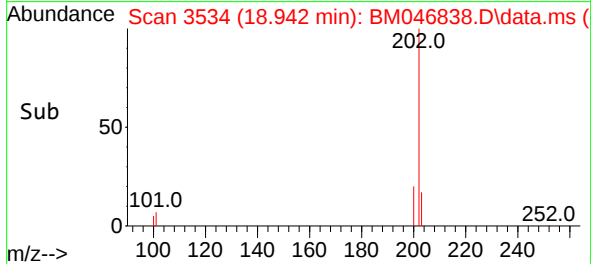
Instrument :
BNA_M
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A4BA7DL



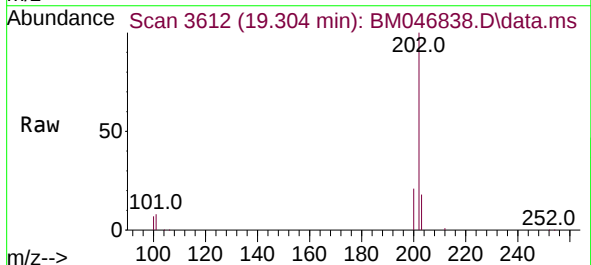
Tgt Ion:202 Resp: 24178
Ion Ratio Lower Upper
202 100
101 6.7 4.7 7.1
100 5.1 3.4 5.2

Manual Integrations
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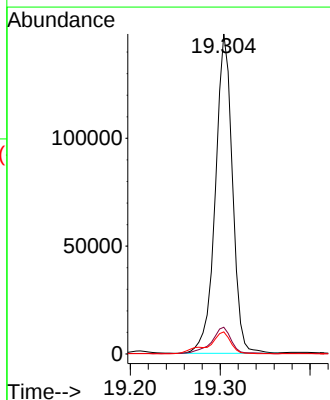
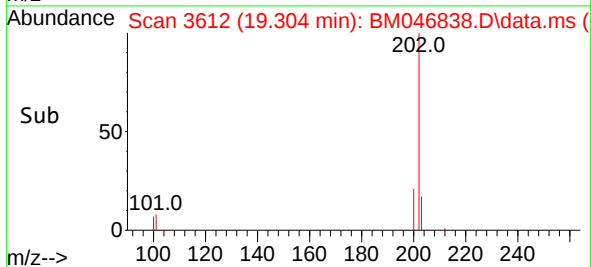
Reviewed By :Yogesh Patel 07/27/2024
Supervised By :mohammad ahmed 08/05/2024

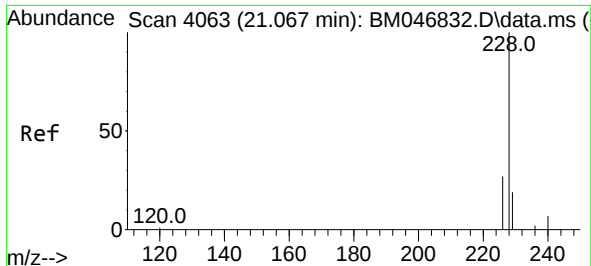


#20
Pyrene
Concen: 5.038 ng/ul
RT: 19.304 min Scan# 3612
Delta R.T. -0.000 min
Lab File: BM046838.D
Acq: 26 Jul 2024 19:45



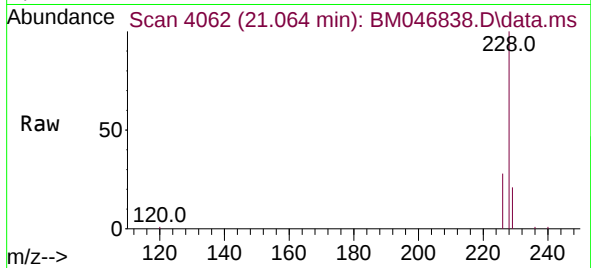
Tgt Ion:202 Resp: 194901
Ion Ratio Lower Upper
202 100
101 8.4 5.2 7.8#
100 6.9 4.3 6.5#





#21
Benzo(a)anthracene
Concen: 2.529 ng/ul
RT: 21.064 min Scan# 4062
Delta R.T. -0.000 min
Lab File: BM046838.D
Acq: 26 Jul 2024 19:45

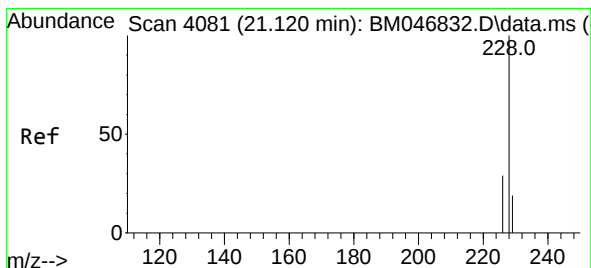
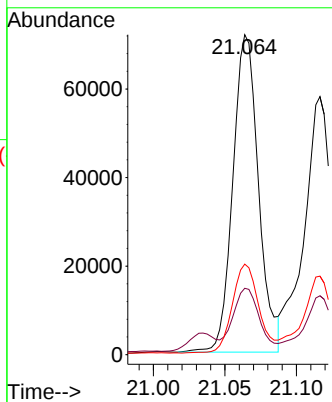
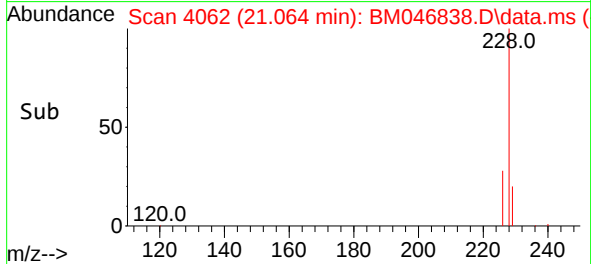
Instrument :
BNA_M
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A4BA7DL



Tgt Ion:228 Resp: 8972
Ion Ratio Lower Upper
228 100
229 20.8 16.3 24.5
226 28.3 22.3 33.5

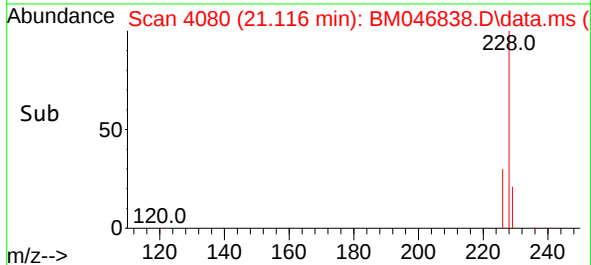
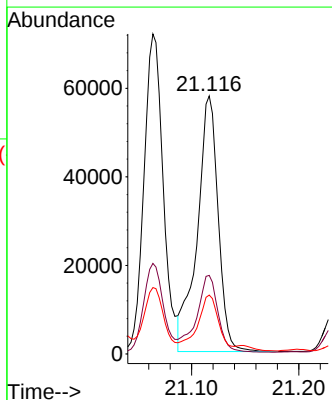
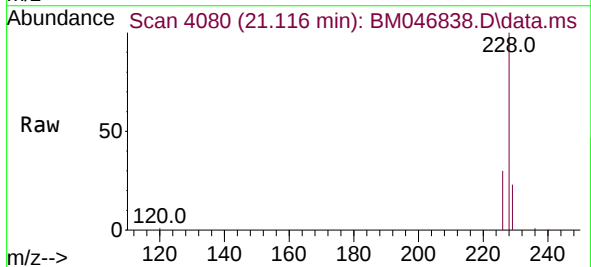
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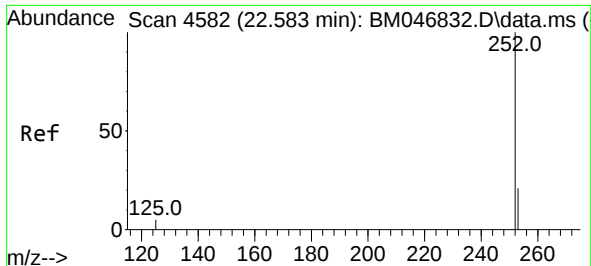
Reviewed By :Yogesh Patel 07/27/2024
Supervised By :mohammad ahmed 08/05/2024



#22
Chrysene
Concen: 2.178 ng/ul
RT: 21.116 min Scan# 4080
Delta R.T. -0.000 min
Lab File: BM046838.D
Acq: 26 Jul 2024 19:45

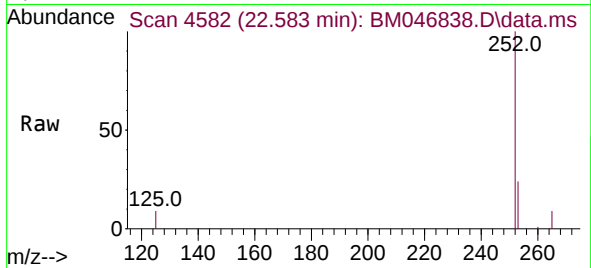
Tgt Ion:228 Resp: 78502
Ion Ratio Lower Upper
228 100
226 30.4 24.5 36.7
229 22.8 16.2 24.2





#24
Benzo(b)fluoranthene
Concen: 2.492 ng/ul m
RT: 22.583 min Scan# 4582
Delta R.T. 0.003 min
Lab File: BM046838.D
Acq: 26 Jul 2024 19:45

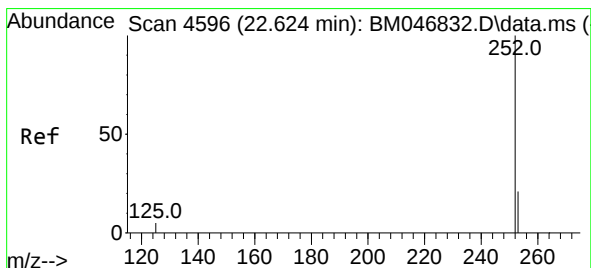
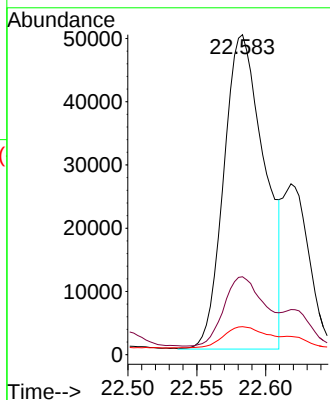
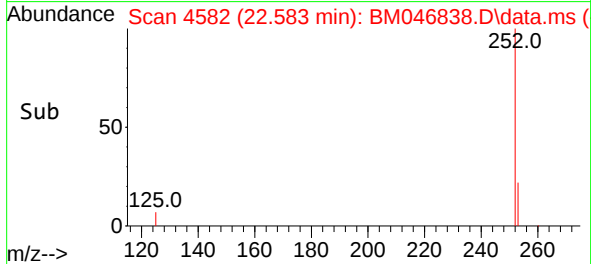
Instrument :
BNA_M
ClientSampleId :
A4BA7DL



Tgt Ion:252 Resp: 102494
Ion Ratio Lower Upper
252 100
253 24.4 0.0 56.4
125 8.8 0.0 15.8

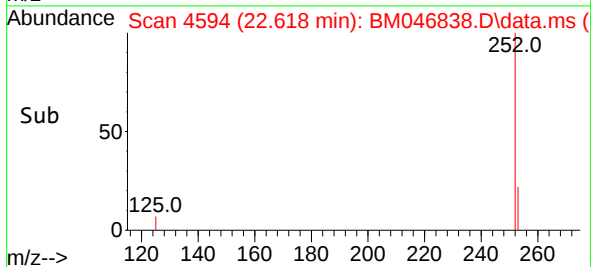
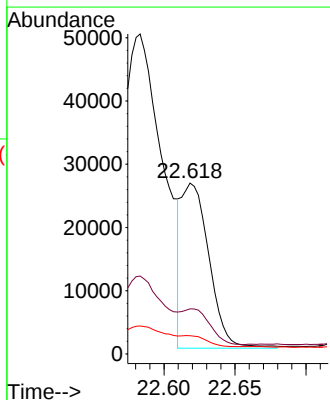
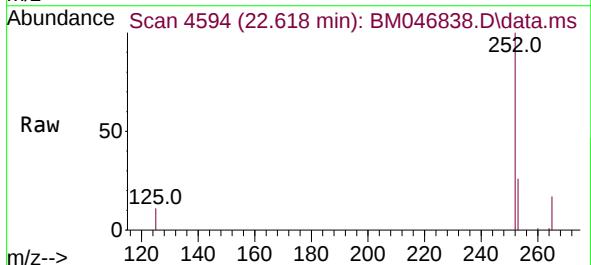
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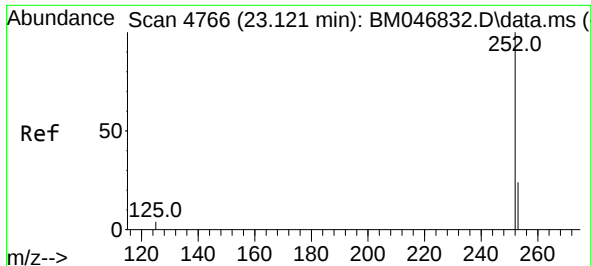
Reviewed By :Yogesh Patel 07/27/2024
Supervised By :mohammad ahmed 08/05/2024



#25
Benzo(k)fluoranthene
Concen: 0.851 ng/ul m
RT: 22.618 min Scan# 4594
Delta R.T. -0.003 min
Lab File: BM046838.D
Acq: 26 Jul 2024 19:45

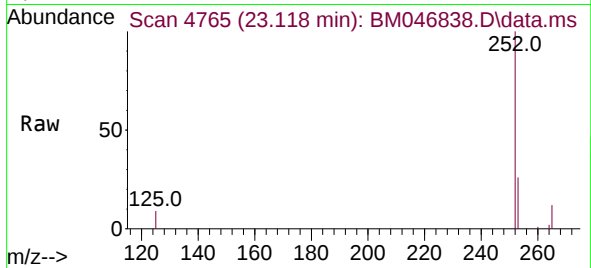
Tgt Ion:252 Resp: 35278
Ion Ratio Lower Upper
252 100
253 26.4 23.5 35.3
125 10.7 8.6 13.0





#26
Benzo(a)pyrene
Concen: 2.231 ng/ul
RT: 23.118 min Scan# 4765
Delta R.T. -0.000 min
Lab File: BM046838.D
Acq: 26 Jul 2024 19:45

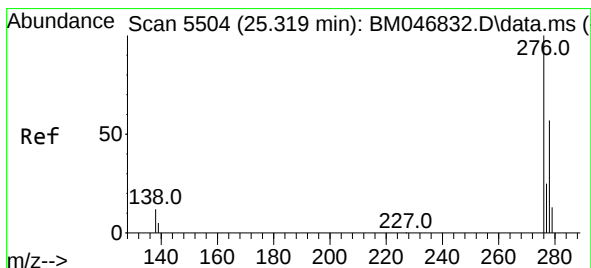
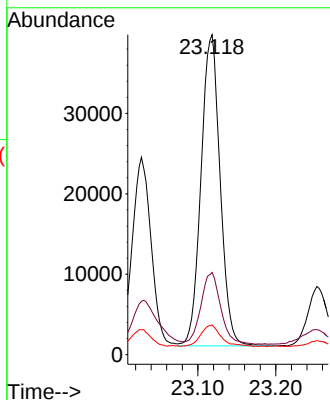
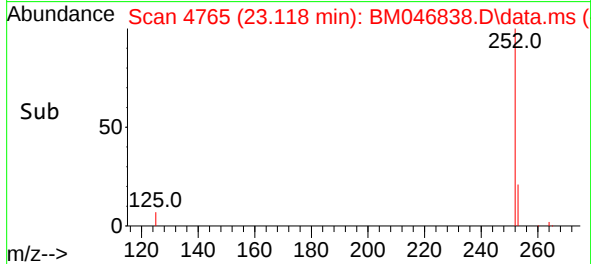
Instrument :
BNA_M
ClientSampleId :
A4BA7DL



Tgt Ion:252 Resp: 6588
Ion Ratio Lower Upper
252 100
253 25.7 26.0 39.0
125 9.3 7.8 11.8

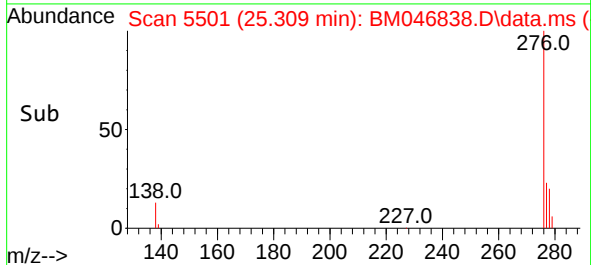
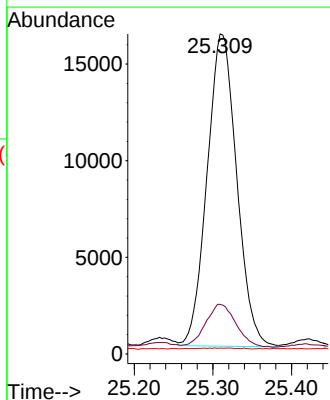
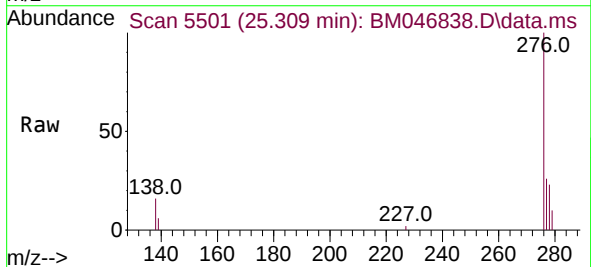
Manual Integrations
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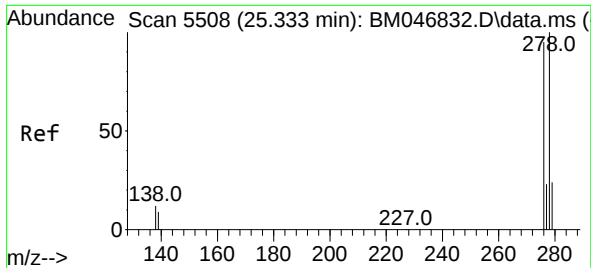
Reviewed By :Yogesh Patel 07/27/2024
Supervised By :mohammad ahmed 08/05/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.932 ng/ul
RT: 25.309 min Scan# 5501
Delta R.T. -0.007 min
Lab File: BM046838.D
Acq: 26 Jul 2024 19:45

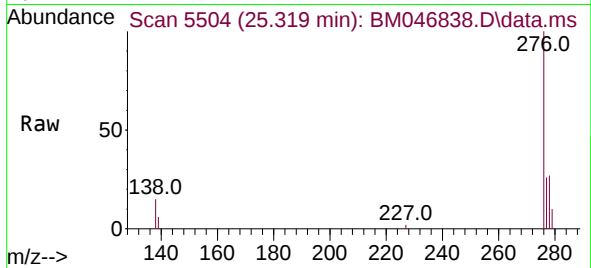
Tgt Ion:276 Resp: 42365
Ion Ratio Lower Upper
276 100
138 14.2 9.7 14.5
227 0.3 0.2 0.2





#28
Dibenzo(a,h)anthracene
Concen: 0.352 ng/ul
RT: 25.319 min Scan# 5504
Delta R.T. -0.014 min
Lab File: BM046838.D
Acq: 26 Jul 2024 19:45

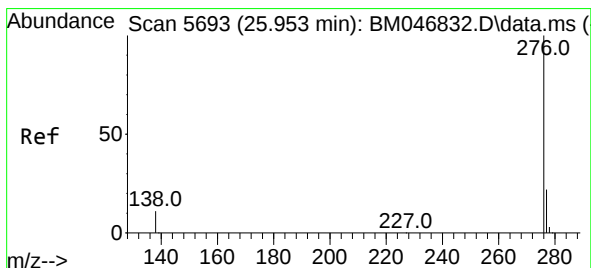
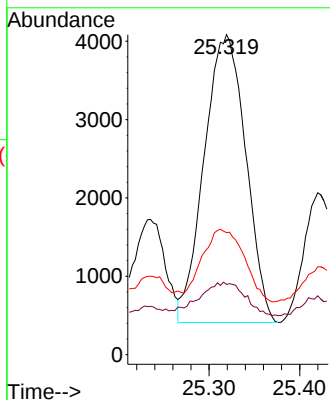
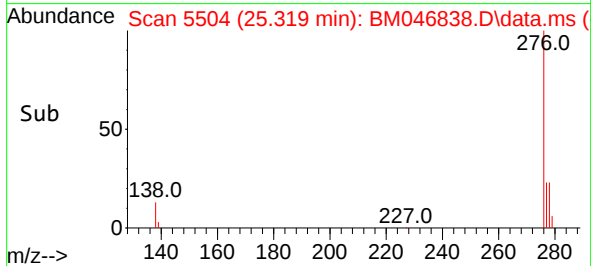
Instrument :
BNA_M
ClientSampleId :
A4BA7DL



Tgt Ion:278 Resp: 1169
Ion Ratio Lower Upper
278 100
139 22.0 9.8 14.8
279 38.1 25.2 37.8

Manual Integrations
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Reviewed By :Yogesh Patel 07/27/2024
Supervised By :mohammad ahmed 08/05/2024



#29
Benzo(g,h,i)perylene
Concen: 0.321 ng/ul
RT: 25.953 min Scan# 5693
Delta R.T. -0.000 min
Lab File: BM046838.D
Acq: 26 Jul 2024 19:45

Tgt Ion:276 Resp: 12844
Ion Ratio Lower Upper
276 100
138 18.8 9.5 14.3
277 30.0 20.9 31.3

