

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071524\
 Data File : BM046679.D
 Acq On : 17 Jul 2024 20:44
 Operator : MA/JU
 Sample : P3177-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BY3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/18/2024

Quant Time: Jul 17 23:02:18 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 15 08:57:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.497	152	3134	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.255	136	8860	0.400	ng/ul	#-0.01
9) Acenaphthene-d10	14.141	164	5987	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.892	188	13102	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.102	240	8026	0.400	ng/ul	# 0.00
23) Perylene-d12	23.244	264	10628	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.113	96	5703	2.215	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.855	152	2854	0.200	ng/ul	-0.01
18) Fluoranthene-d10	18.932	212	6916	0.283	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.304	128	18873	0.837	ng/ul	96
7) 2-Methylnaphthalene	11.932	142	7342	0.464	ng/ul	98
8) 1-Methylnaphthalene	12.152	142	5743	0.355	ng/ul	99
10) Acenaphthylene	13.854	152	43028	1.579	ng/ul	98
11) Acenaphthene	14.201	153	21381	1.171	ng/ul	97
12) Fluorene	15.196	166	26453	1.171	ng/ul	97
14) Pentachlorophenol	16.554	266	283	0.043	ng/ul	95
15) Phenanthrene	16.934	178	544429	14.561	ng/ul	98
16) Anthracene	17.027	178	113029	3.098	ng/ul	97
19) Fluoranthene	18.965	202	1068054	32.398	ng/ul	99
20) Pyrene	19.327	202	573067	16.056	ng/ul	99
21) Benzo(a)anthracene	21.087	228	428948	12.081	ng/ul	98
22) Chrysene	21.140	228	439316	12.787	ng/ul	98
24) Benzo(b)fluoranthene	22.612	252	621666m	14.644	ng/ul	
25) Benzo(k)fluoranthene	22.648	252	220179m	5.283	ng/ul	
26) Benzo(a)pyrene	23.153	252	163552	4.681	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	25.366	276	184743	3.475	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.376	278	75191	1.786	ng/ul	97
29) Benzo(g,h,i)perylene	26.014	276	25958	0.612	ng/ul#	85

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

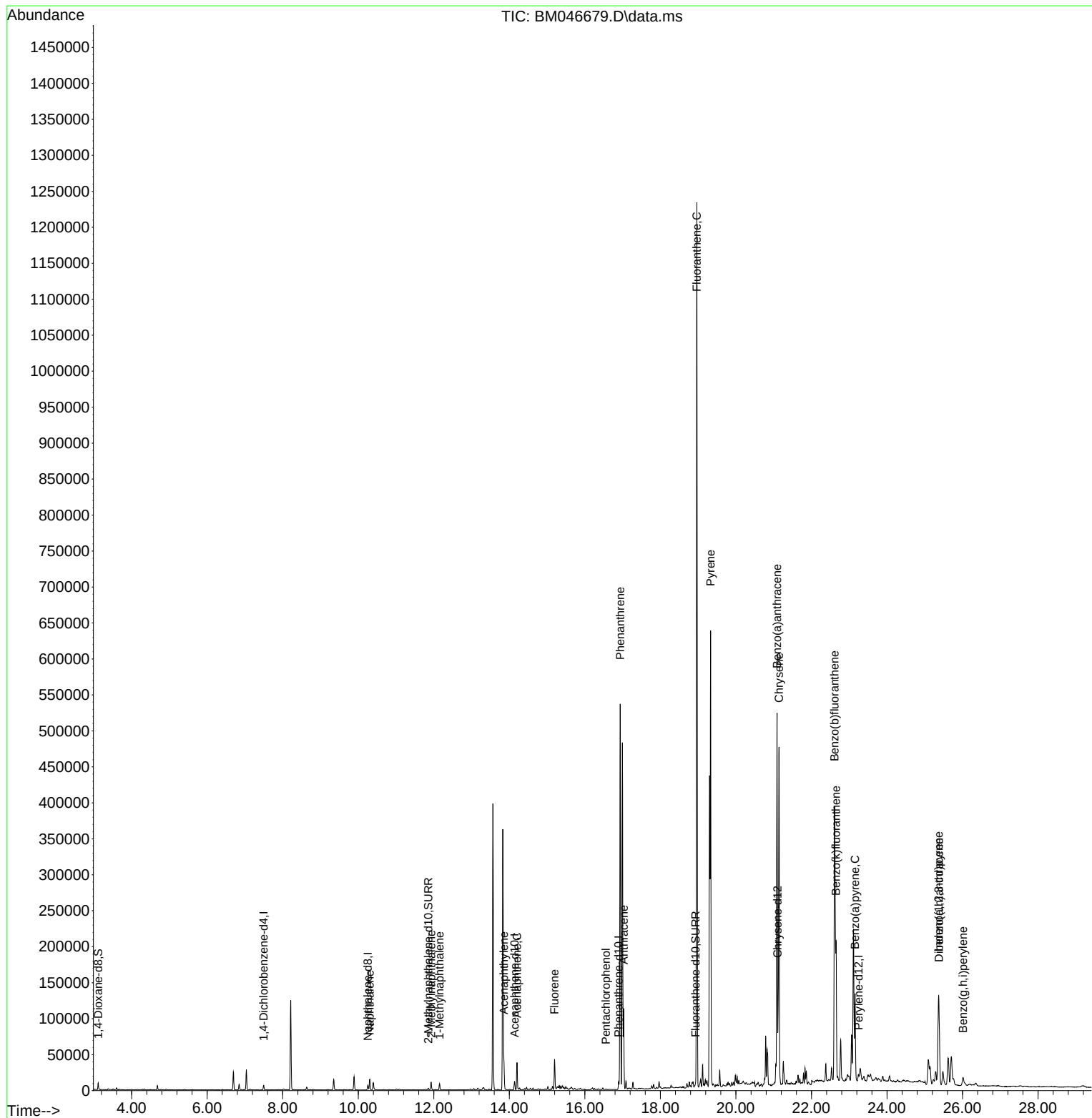
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071524\
Data File : BM046679.D
Acq On : 17 Jul 2024 20:44
Operator : MA/JU
Sample : P3177-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

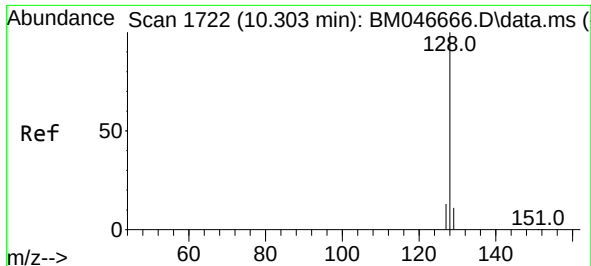
Instrument :
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ClientSampleId :
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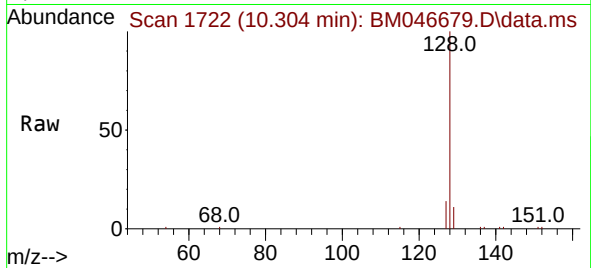
Quant Time: Jul 17 23:02:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 15 08:57:27 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.837 ng/ul
RT: 10.304 min Scan# 1722
Delta R.T. -0.011 min
Lab File: BM046679.D
Acq: 17 Jul 2024 20:44

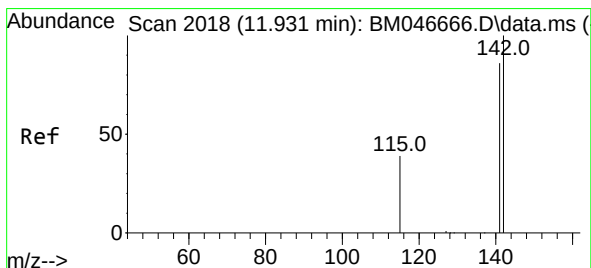
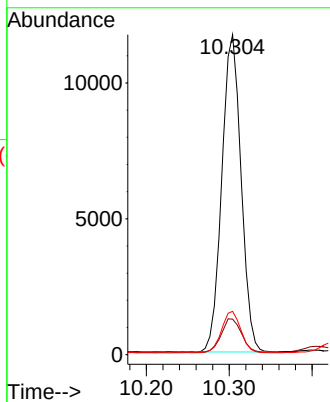
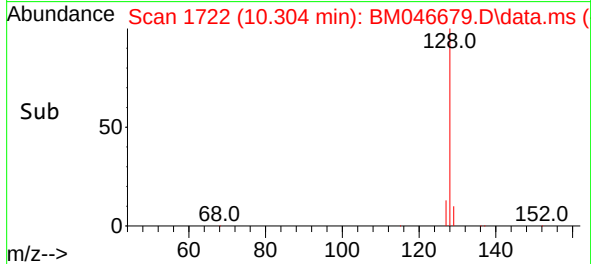
Instrument :
BNA_M
ClientSampleId :
A4BY3



Tgt Ion:128 Resp: 1887
Ion Ratio Lower Upper
128 100
129 11.1 10.3 15.5
127 13.6 12.2 18.4

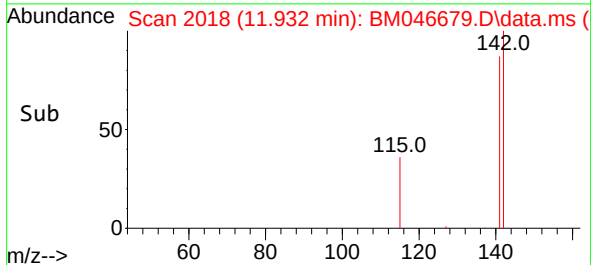
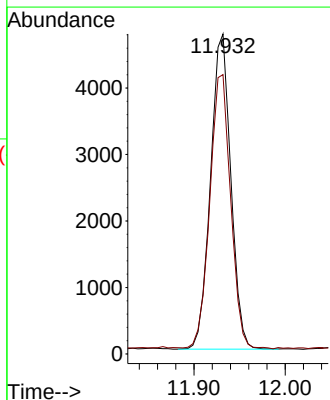
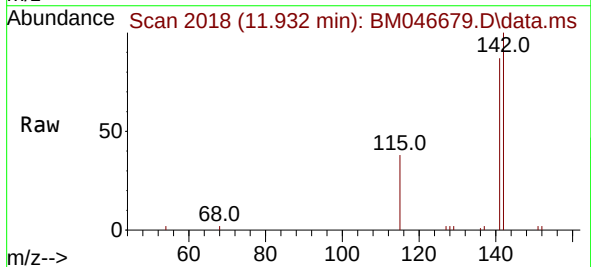
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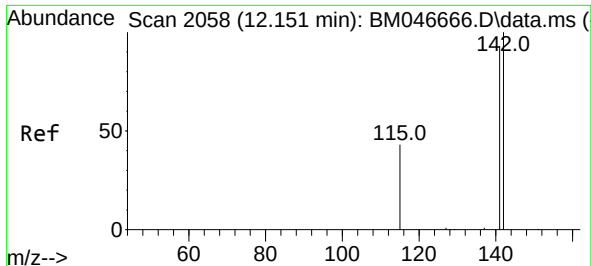
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#7
2-Methylnaphthalene
Concen: 0.464 ng/ul
RT: 11.932 min Scan# 2018
Delta R.T. -0.011 min
Lab File: BM046679.D
Acq: 17 Jul 2024 20:44

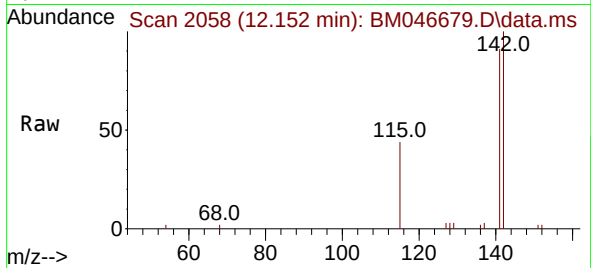
Tgt Ion:142 Resp: 7342
Ion Ratio Lower Upper
142 100
141 89.4 70.3 105.5





#8
1-Methylnaphthalene
Concen: 0.355 ng/ul
RT: 12.152 min Scan# 2058
Delta R.T. -0.011 min
Lab File: BM046679.D
Acq: 17 Jul 2024 20:44

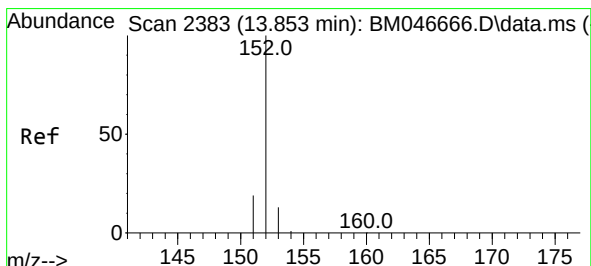
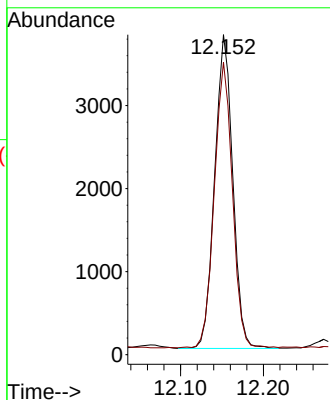
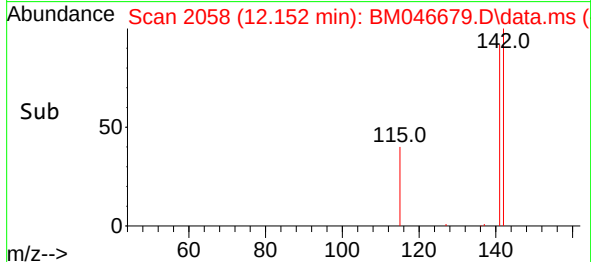
Instrument :
BNA_M
ClientSampleId :
A4BY3



Tgt Ion:142 Resp: 574
Ion Ratio Lower Upper
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141 91.3 73.9 110.9

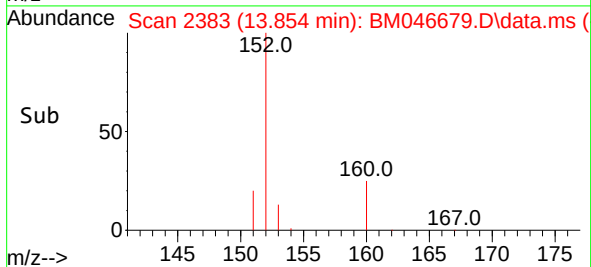
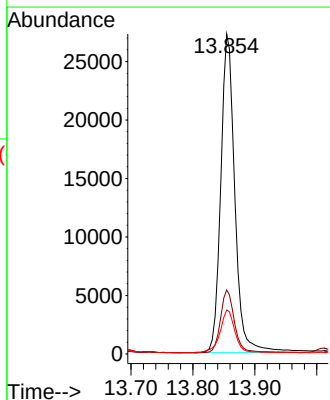
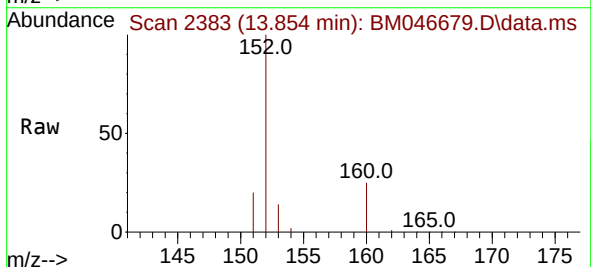
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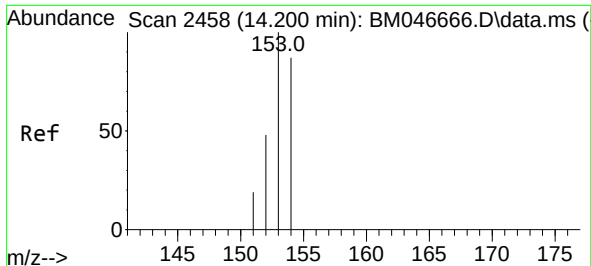
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#10
Acenaphthylene
Concen: 1.579 ng/ul
RT: 13.854 min Scan# 2383
Delta R.T. -0.010 min
Lab File: BM046679.D
Acq: 17 Jul 2024 20:44

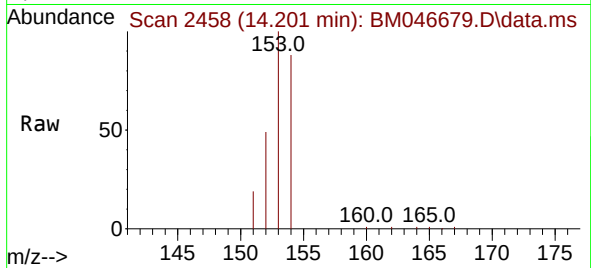
Tgt Ion:152 Resp: 43028
Ion Ratio Lower Upper
152 100
151 20.0 16.4 24.6
153 13.7 12.4 18.6





#11
Acenaphthene
Concen: 1.171 ng/ul
RT: 14.201 min Scan# 2458
Delta R.T. -0.010 min
Lab File: BM046679.D
Acq: 17 Jul 2024 20:44

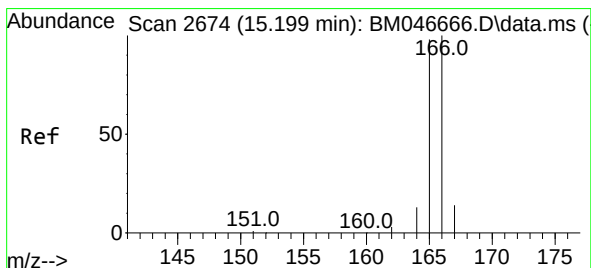
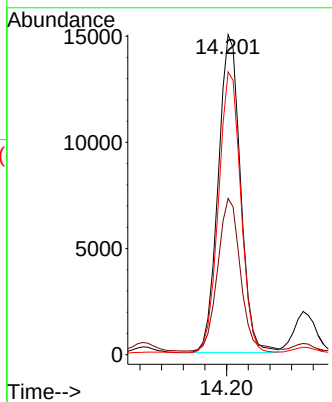
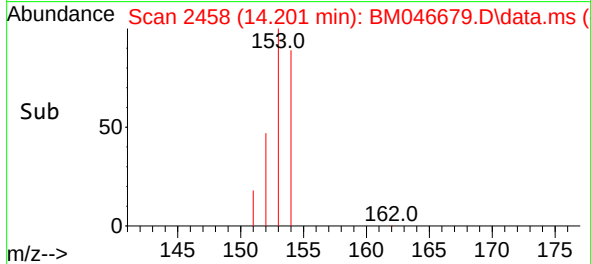
Instrument :
BNA_M
ClientSampleId :
A4BY3



Tgt Ion:153 Resp: 2138
Ion Ratio Lower Upper
153 100
152 48.8 43.0 64.6
154 88.4 69.9 104.9

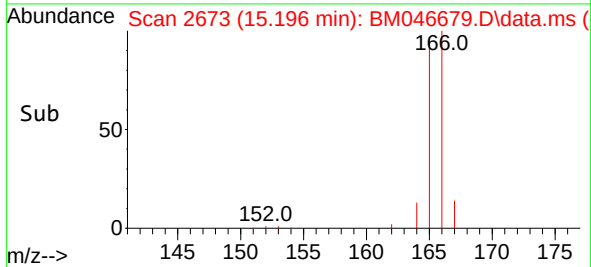
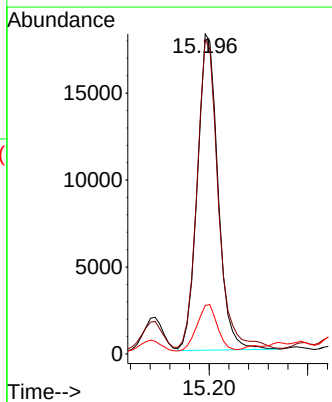
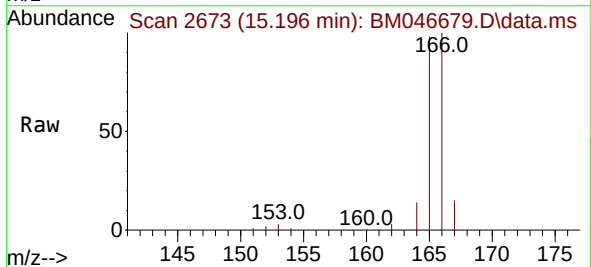
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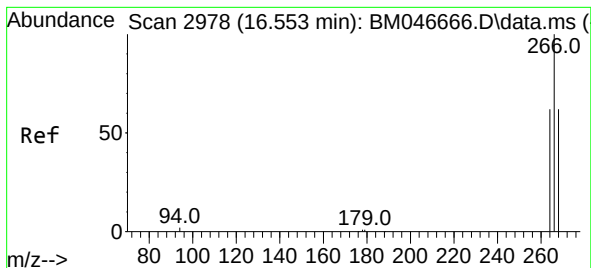
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#12
Fluorene
Concen: 1.171 ng/ul
RT: 15.196 min Scan# 2673
Delta R.T. -0.010 min
Lab File: BM046679.D
Acq: 17 Jul 2024 20:44

Tgt Ion:166 Resp: 26453
Ion Ratio Lower Upper
166 100
165 98.2 76.1 114.1
167 15.2 12.5 18.7





#14

Pentachlorophenol

Concen: 0.043 ng/ul

RT: 16.554 min Scan# 2978

Delta R.T. -0.000 min

Lab File: BM046679.D

Acq: 17 Jul 2024 20:44

Instrument :

BNA_M

ClientSampleId :

A4BY3

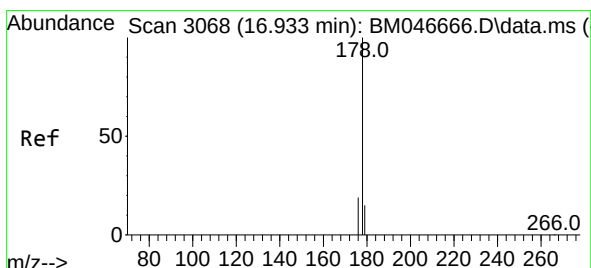
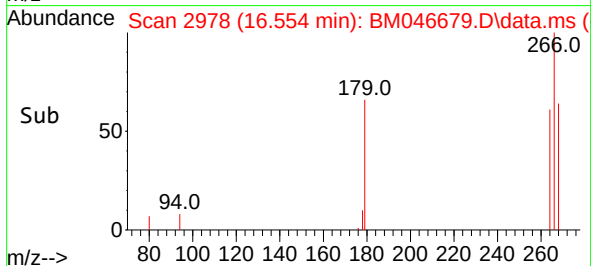
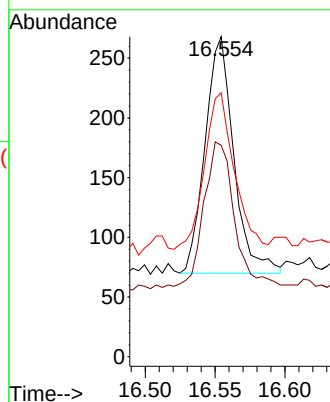
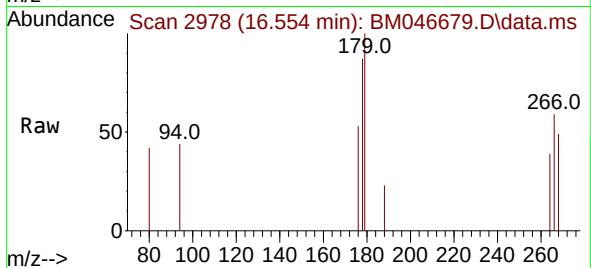
Tgt Ion:	266	Resp:	283
Ion Ratio	Lower	Upper	
266	100		
264	67.8	50.1	75.1
268	68.6	52.5	78.7

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Supervised By :mohammad ahmed 07/18/2024



#15

Phenanthrene

Concen: 14.561 ng/ul

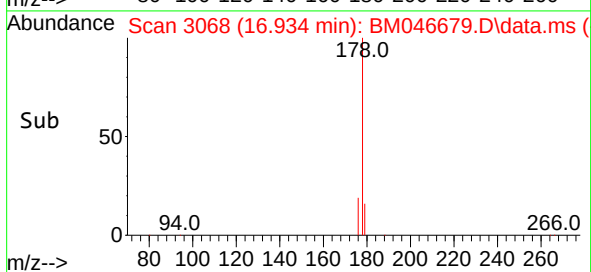
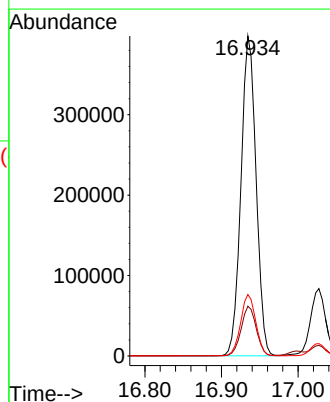
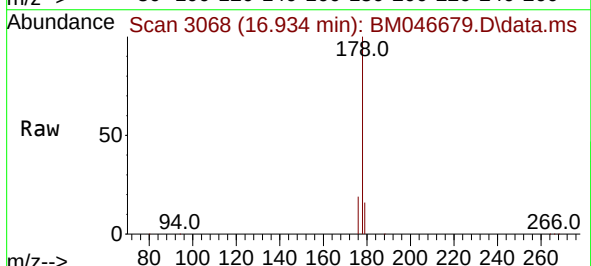
RT: 16.934 min Scan# 3068

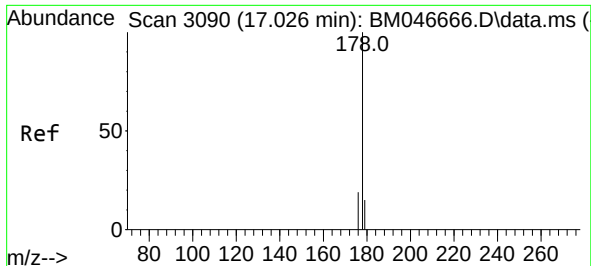
Delta R.T. -0.009 min

Lab File: BM046679.D

Acq: 17 Jul 2024 20:44

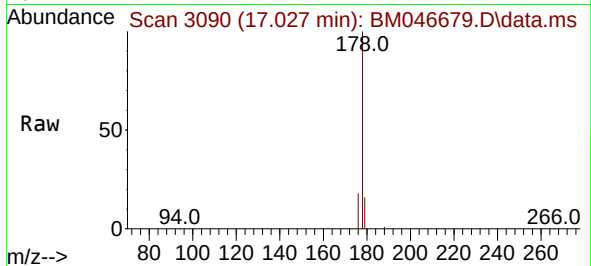
Tgt Ion:	178	Resp:	544429
Ion Ratio	Lower	Upper	
178	100		
179	15.6	13.1	19.7
176	19.2	16.0	24.0





#16
Anthracene
Concen: 3.098 ng/ul
RT: 17.027 min Scan# 3090
Delta R.T. -0.005 min
Lab File: BM046679.D
Acq: 17 Jul 2024 20:44

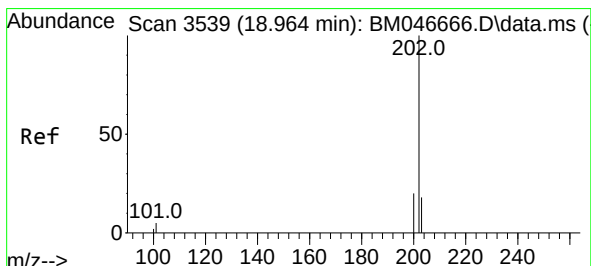
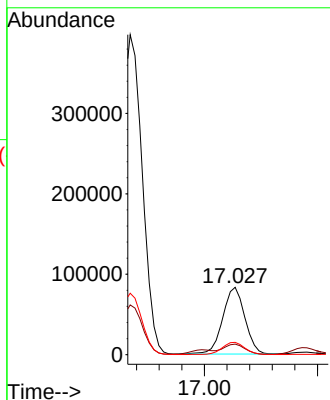
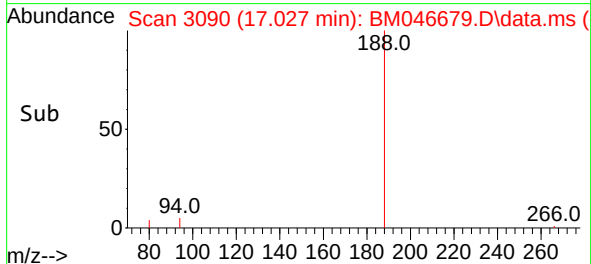
Instrument :
BNA_M
ClientSampleId :
A4BY3



Tgt Ion:178 Resp: 113029
Ion Ratio Lower Upper
178 100
179 15.6 13.5 20.3
176 18.4 15.7 23.5

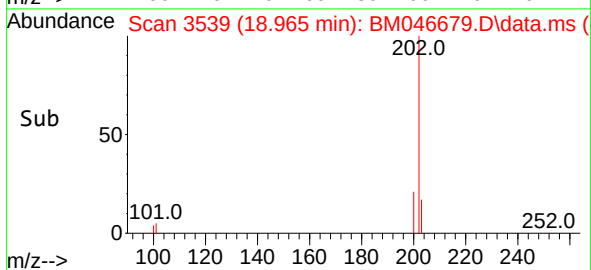
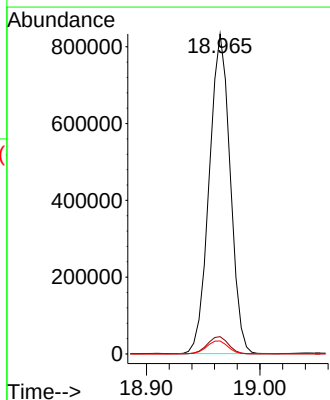
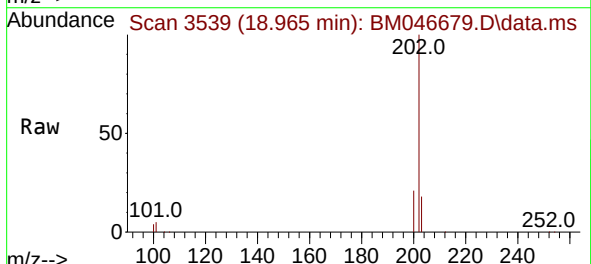
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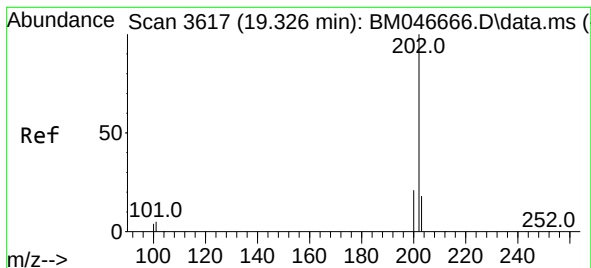
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#19
Fluoranthene
Concen: 32.398 ng/ul
RT: 18.965 min Scan# 3539
Delta R.T. -0.005 min
Lab File: BM046679.D
Acq: 17 Jul 2024 20:44

Tgt Ion:202 Resp: 1068054
Ion Ratio Lower Upper
202 100
101 5.4 4.6 6.8
100 4.1 3.0 4.6





#20

Pyrene

Concen: 16.056 ng/ul

RT: 19.327 min Scan# 30

Delta R.T. -0.005 min

Lab File: BM046679.D

Acq: 17 Jul 2024 20:44

Instrument :

BNA_M

ClientSampleId :

A4BY3

Tgt Ion:202 Resp: 57306

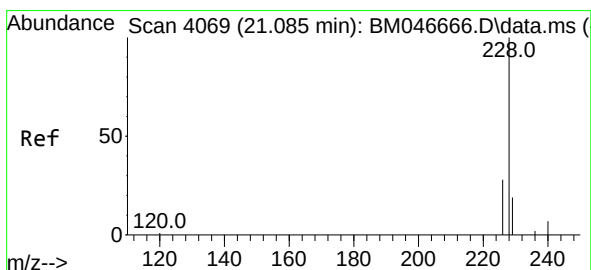
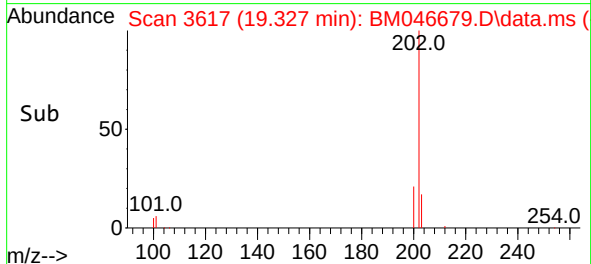
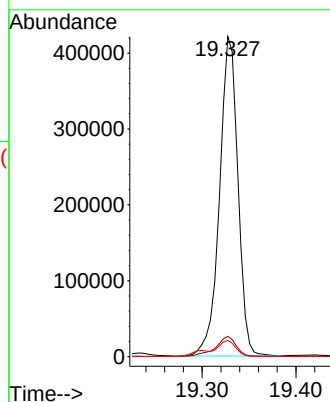
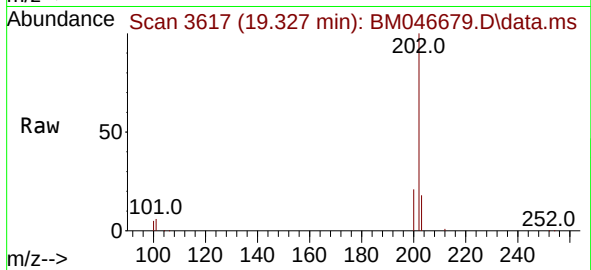
Ion	Ratio	Lower	Upper
202	100		
101	6.3	5.1	7.7
100	5.1	3.8	5.6

Manual Integrations

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Supervised By :mohammad ahmed 07/18/2024



#21

Benzo(a)anthracene

Concen: 12.081 ng/ul

RT: 21.087 min Scan# 4070

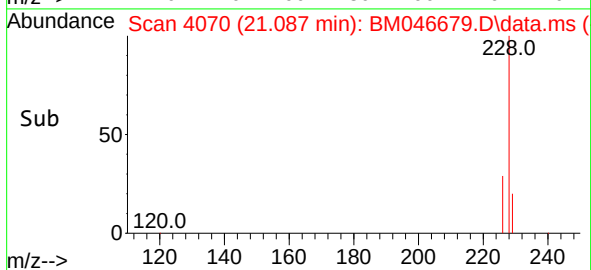
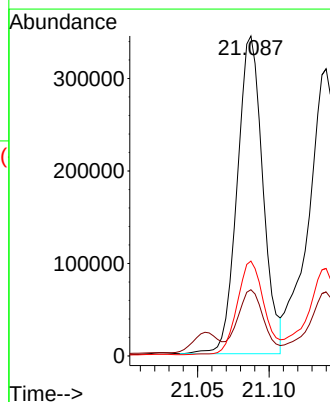
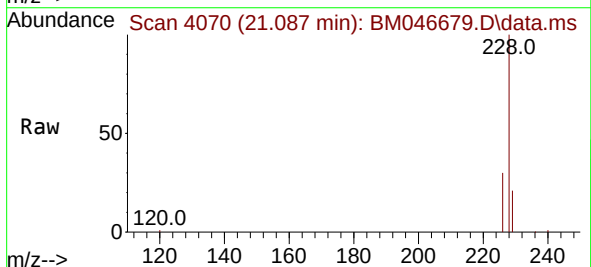
Delta R.T. -0.000 min

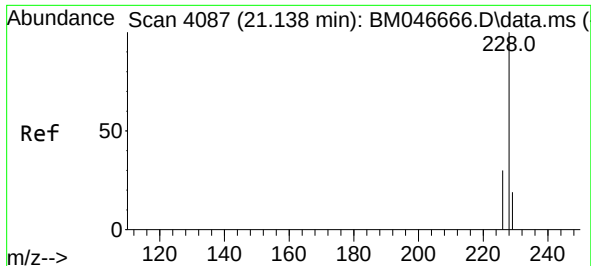
Lab File: BM046679.D

Acq: 17 Jul 2024 20:44

Tgt Ion:228 Resp: 428948

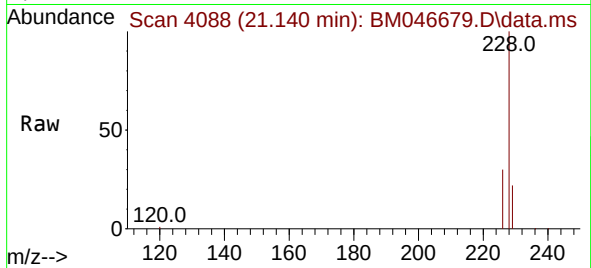
Ion	Ratio	Lower	Upper
228	100		
229	20.7	16.5	24.7
226	29.7	22.5	33.7





#22
Chrysene
Concen: 12.787 ng/ul
RT: 21.140 min Scan# 4087
Delta R.T. -0.000 min
Lab File: BM046679.D
Acq: 17 Jul 2024 20:44

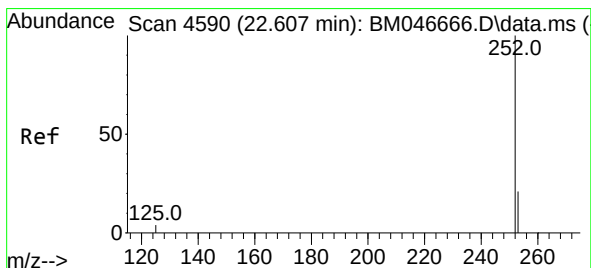
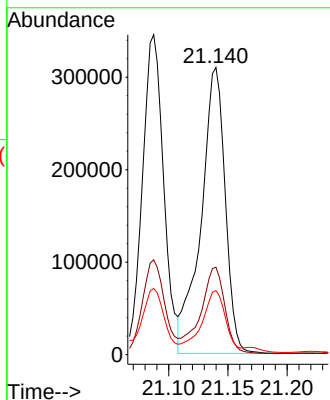
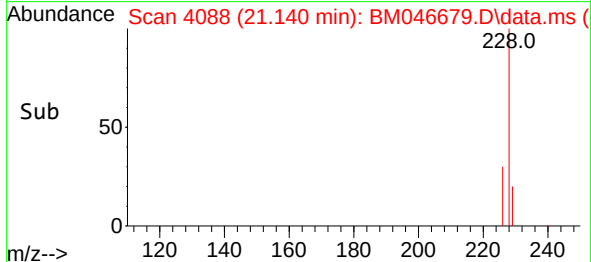
Instrument :
BNA_M
ClientSampleId :
A4BY3



Tgt Ion:228 Resp: 439310
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 22.3 16.4 24.6

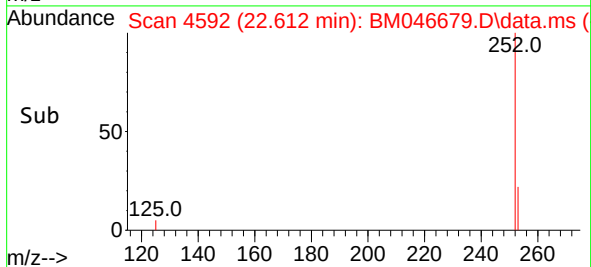
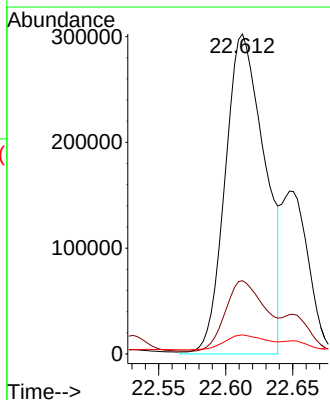
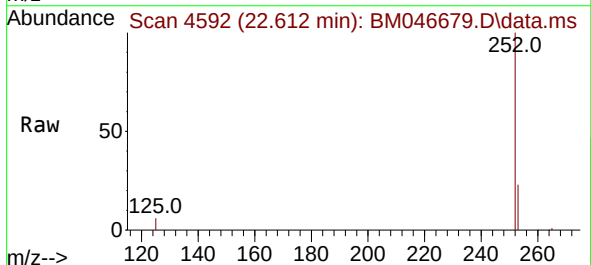
Manual Integrations
APPROVED

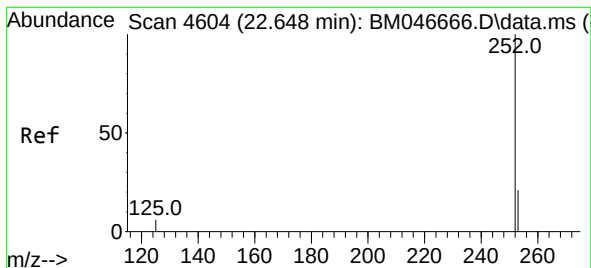
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#24
Benzo(b)fluoranthene
Concen: 14.644 ng/ul m
RT: 22.612 min Scan# 4592
Delta R.T. 0.002 min
Lab File: BM046679.D
Acq: 17 Jul 2024 20:44

Tgt Ion:252 Resp: 621666
Ion Ratio Lower Upper
252 100
253 22.9 0.0 56.2
125 5.9 0.0 17.8





#25

Benzo(k)fluoranthene

Concen: 5.283 ng/ul m

RT: 22.648 min Scan# 4

Delta R.T. -0.003 min

Lab File: BM046679.D

Acq: 17 Jul 2024 20:44

Instrument :

BNM_M

ClientSampleId :

A4BY3

Tgt Ion:252 Resp: 220179

Ion Ratio Lower Upper

252 100

253 24.2 22.4 33.6

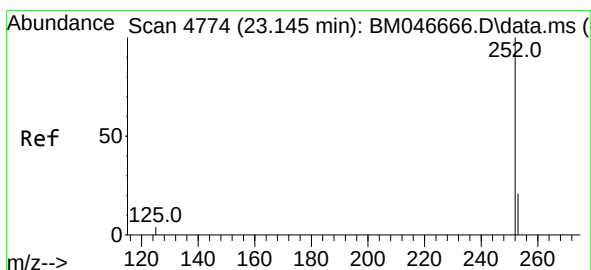
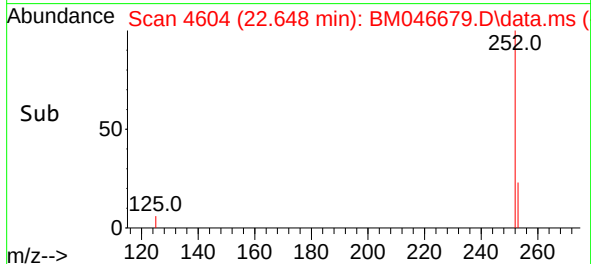
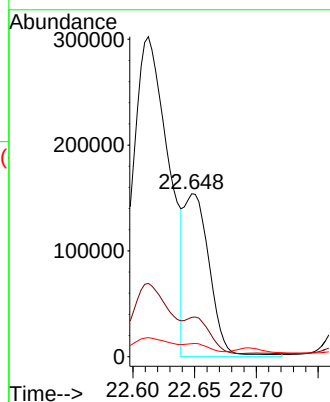
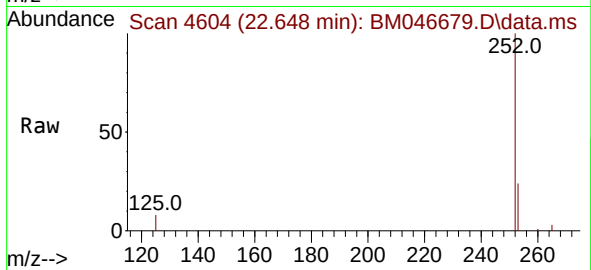
125 8.0 7.0 10.4

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Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/18/2024



#26

Benzo(a)pyrene

Concen: 4.681 ng/ul

RT: 23.153 min Scan# 4777

Delta R.T. 0.002 min

Lab File: BM046679.D

Acq: 17 Jul 2024 20:44

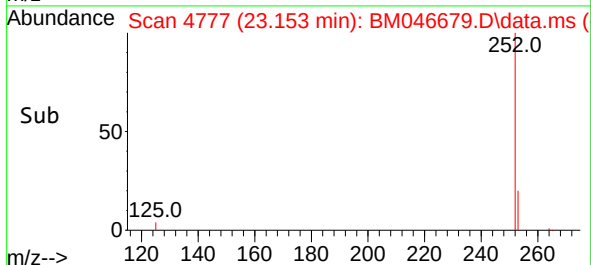
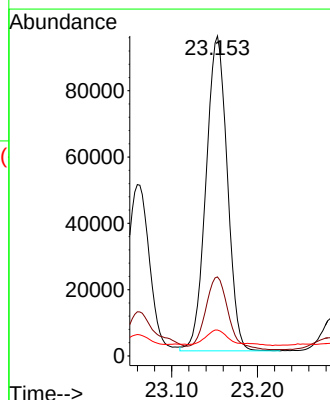
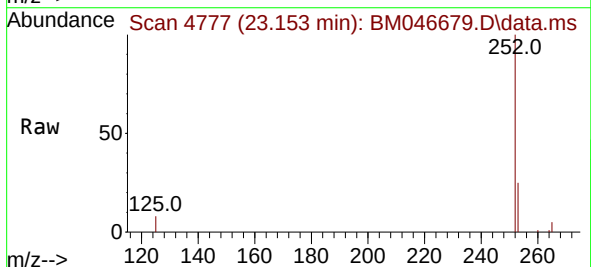
Tgt Ion:252 Resp: 163552

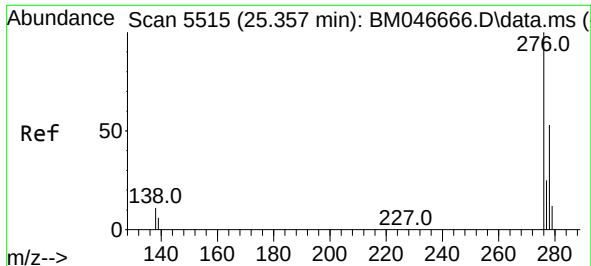
Ion Ratio Lower Upper

252 100

253 24.7 24.0 36.0

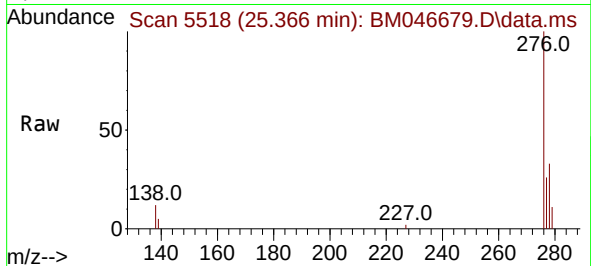
125 8.1 8.2 12.2#





#27
Indeno(1,2,3-cd)pyrene
Concen: 3.475 ng/ul
RT: 25.366 min Scan# 5515
Delta R.T. 0.006 min
Lab File: BM046679.D
Acq: 17 Jul 2024 20:44

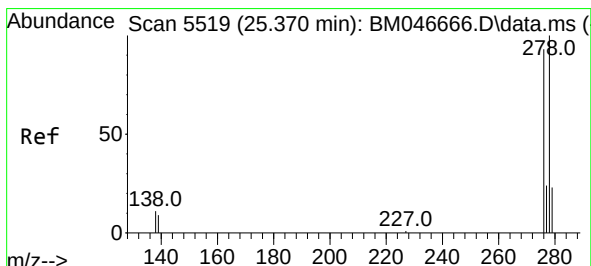
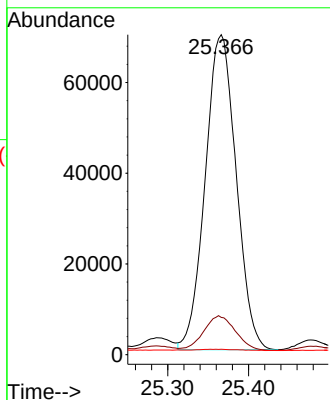
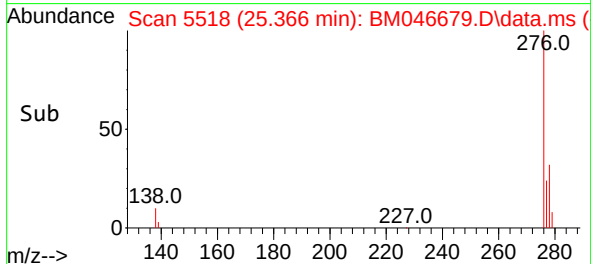
Instrument :
BNA_M
ClientSampleId :
A4BY3



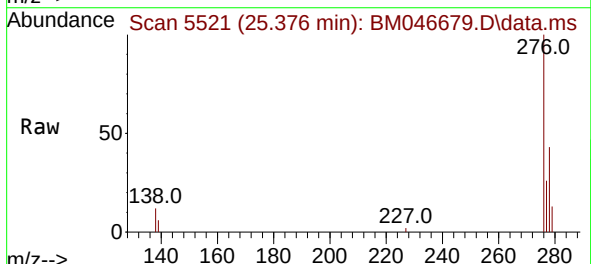
Tgt Ion:276 Resp: 18474
Ion Ratio Lower Upper
276 100
138 11.2 0.0 0.0
227 0.5 0.2 0.2

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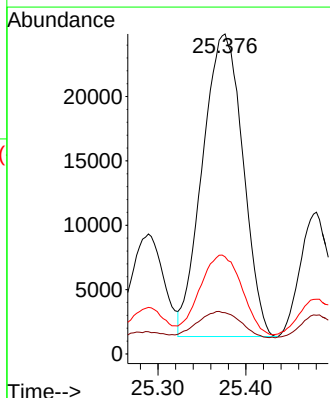
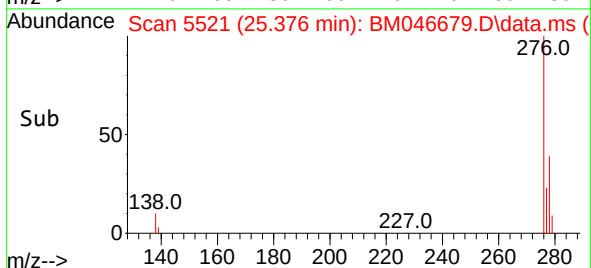
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024

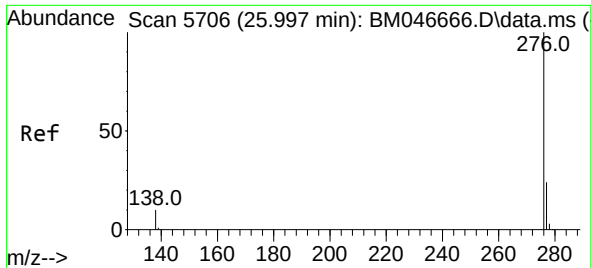


#28
Dibenzo(a,h)anthracene
Concen: 1.786 ng/ul
RT: 25.376 min Scan# 5521
Delta R.T. -0.007 min
Lab File: BM046679.D
Acq: 17 Jul 2024 20:44



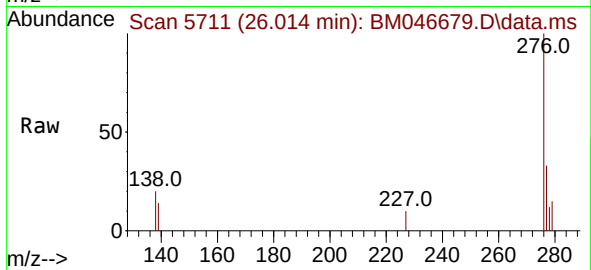
Tgt Ion:278 Resp: 75191
Ion Ratio Lower Upper
278 100
139 12.9 9.1 13.7
279 30.4 23.2 34.8





#29
Benzo(g,h,i)perylene
Concen: 0.612 ng/ul
RT: 26.014 min Scan# 51
Delta R.T. 0.010 min
Lab File: BM046679.D
Acq: 17 Jul 2024 20:44

Instrument :
BNA_M
ClientSampleId :
A4BY3



Tgt Ion:276 Resp: 25958
Ion Ratio Lower Upper
276 100
138 19.8 10.2 15.4
277 33.2 20.9 31.3

Manual Integrations
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Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024

