

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070824\
 Data File : BM046431.D
 Acq On : 08 Jul 2024 12:07
 Operator : MA/JU
 Sample : P3010-16DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4B69DL

Manual Integrations
 APPROVED

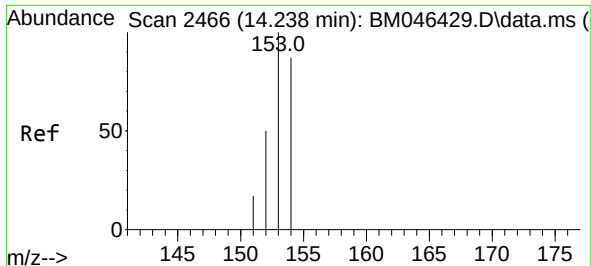
Reviewed By :Yogesh Patel 07/09/2024
 Supervised By :mohammad ahmed 07/10/2024

Quant Time: Jul 08 13:13:38 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)

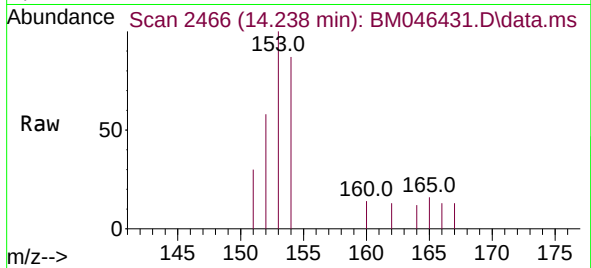
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.535	152	5996	0.400	ng/ul	0.00
4) Naphthalene-d8	10.299	136	16676	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.178	164	9826	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.926	188	17993	0.400	ng/ul	-0.01
17) Chrysene-d12	21.134	240	10927	0.400	ng/ul	0.00
23) Perylene-d12	23.288	264	11148	0.400	ng/ul #	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.130	96	3440	0.555	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.899	152	1199	0.049	ng/ul	0.00
18) Fluoranthene-d10	18.965	212	2040	0.053	ng/ul	0.00
Target Compounds						
					Qvalue	
11) Acenaphthene	14.238	153	679	0.021	ng/ul	94
12) Fluorene	15.233	166	840	0.022	ng/ul#	96
15) Phenanthrene	16.968	178	16089	0.299	ng/ul	100
16) Anthracene	17.061	178	3159m	0.060	ng/ul	
19) Fluoranthene	18.997	202	36469	0.660	ng/ul#	96
20) Pyrene	19.360	202	24485	0.431	ng/ul#	93
21) Benzo(a)anthracene	21.119	228	14872	0.305	ng/ul	95
22) Chrysene	21.169	228	16214	0.334	ng/ul	96
24) Benzo(b)fluoranthene	22.651	252	20328m	0.429	ng/ul	
25) Benzo(k)fluoranthene	22.692	252	7259m	0.152	ng/ul	
26) Benzo(a)pyrene	23.194	252	6736	0.180	ng/ul#	74
27) Indeno(1,2,3-cd)pyrene	25.430	276	6450	0.127	ng/ul#	88
28) Dibenzo(a,h)anthracene	25.447	278	2353	0.060	ng/ul#	36
29) Benzo(g,h,i)perylene	26.077	276	1061	0.026	ng/ul#	21

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



#11
Acenaphthene
Concen: 0.021 ng/ul
RT: 14.238 min Scan# 2466
Delta R.T. -0.008 min
Lab File: BM046431.D
Acq: 08 Jul 2024 12:07

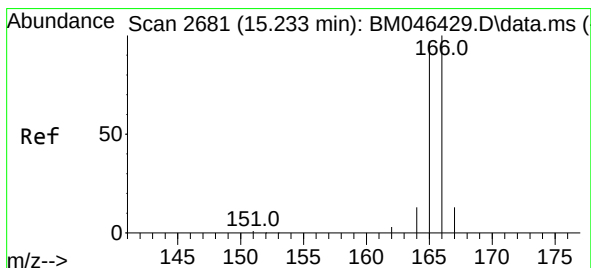
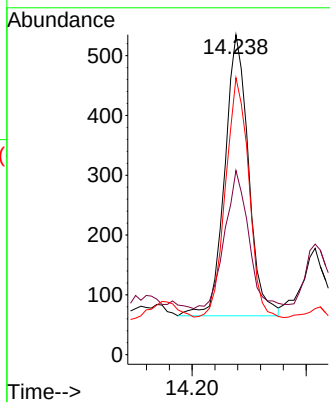
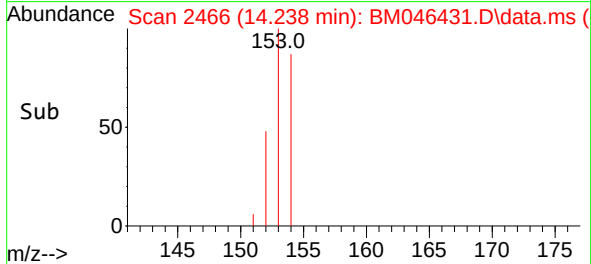
Instrument :
BNA_M
ClientSampleId :
A4B69DL



Tgt Ion:153 Resp: 679
Ion Ratio Lower Upper
153 100
152 57.6 40.4 60.6
154 86.5 72.1 108.1

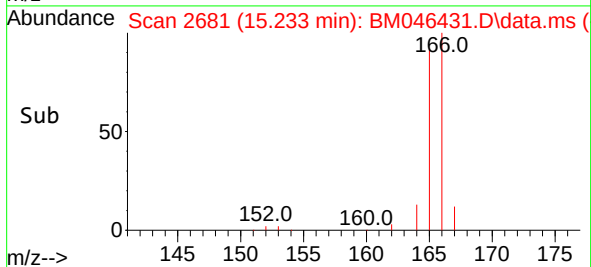
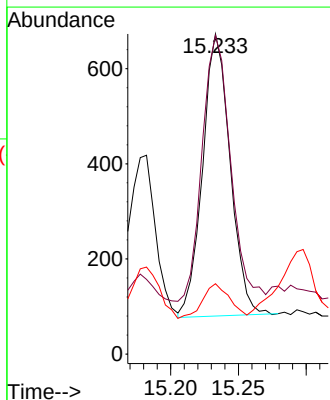
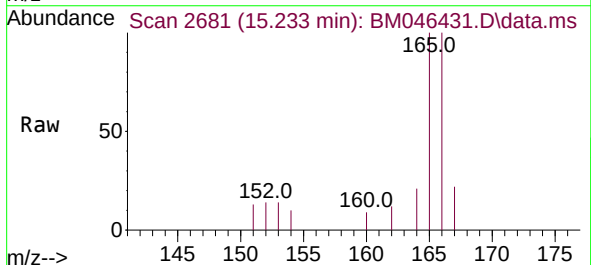
Manual Integrations
APPROVED

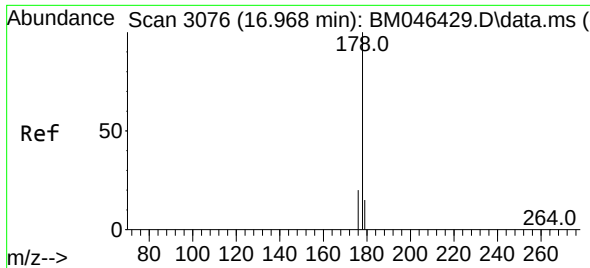
Reviewed By :Yogesh Patel 07/09/2024
Supervised By :mohammad ahmed 07/10/2024



#12
Fluorene
Concen: 0.022 ng/ul
RT: 15.233 min Scan# 2681
Delta R.T. -0.008 min
Lab File: BM046431.D
Acq: 08 Jul 2024 12:07

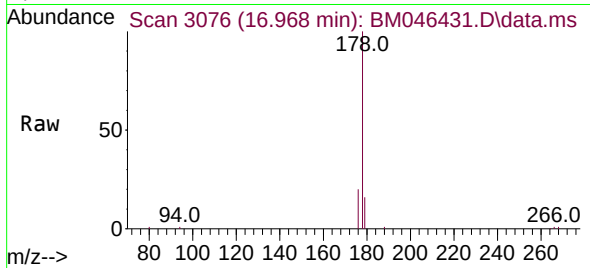
Tgt Ion:166 Resp: 840
Ion Ratio Lower Upper
166 100
165 99.6 78.0 117.0
167 22.0 11.4 17.0#





#15
Phenanthrene
Concen: 0.299 ng/ul
RT: 16.968 min Scan# 3076
Delta R.T. -0.007 min
Lab File: BM046431.D
Acq: 08 Jul 2024 12:07

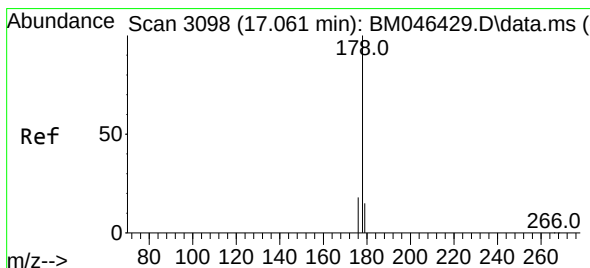
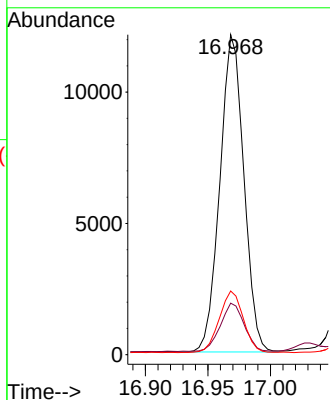
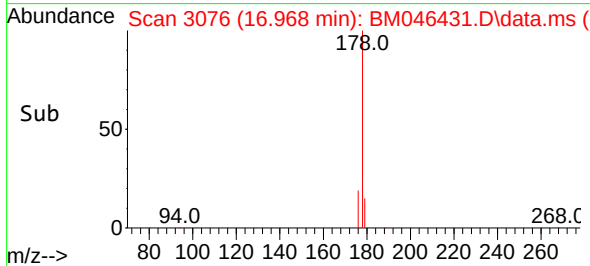
Instrument :
BNA_M
ClientSampleId :
A4B69DL



Tgt Ion:178 Resp: 16089
Ion Ratio Lower Upper
178 100
179 16.1 12.7 19.1
176 19.9 16.0 24.0

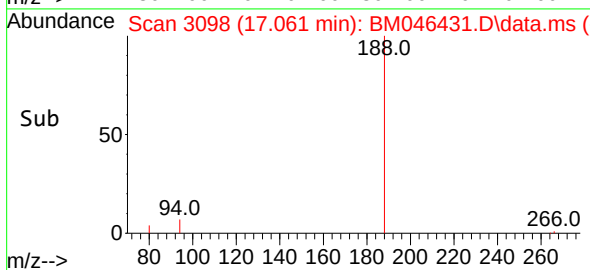
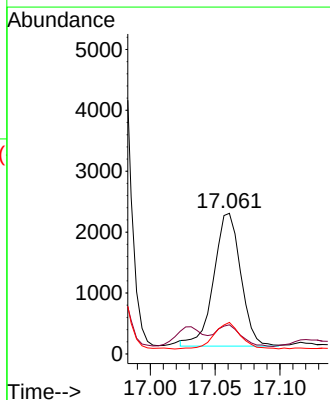
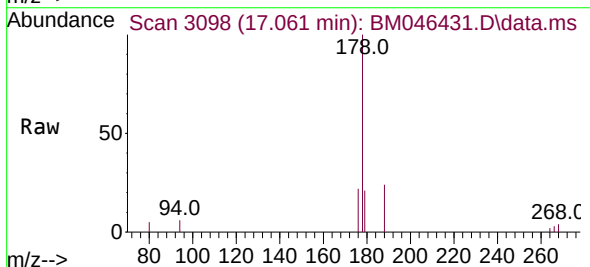
Manual Integrations
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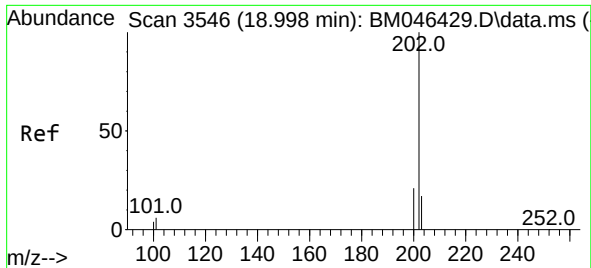
Reviewed By :Yogesh Patel 07/09/2024
Supervised By :mohammad ahmed 07/10/2024



#16
Anthracene
Concen: 0.060 ng/ul m
RT: 17.061 min Scan# 3098
Delta R.T. -0.007 min
Lab File: BM046431.D
Acq: 08 Jul 2024 12:07

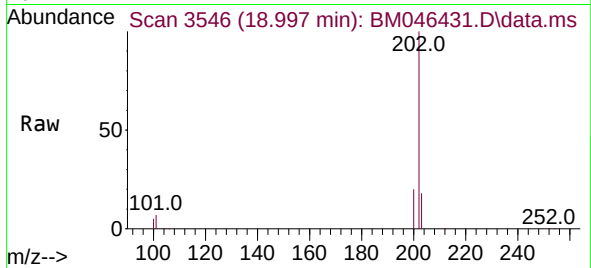
Tgt Ion:178 Resp: 3159
Ion Ratio Lower Upper
178 100
179 20.7 12.6 18.8#
176 22.4 14.9 22.3#





#19
Fluoranthene
Concen: 0.660 ng/ul
RT: 18.997 min Scan# 3546
Delta R.T. -0.008 min
Lab File: BM046431.D
Acq: 08 Jul 2024 12:07

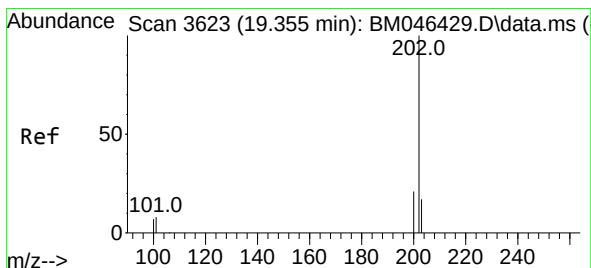
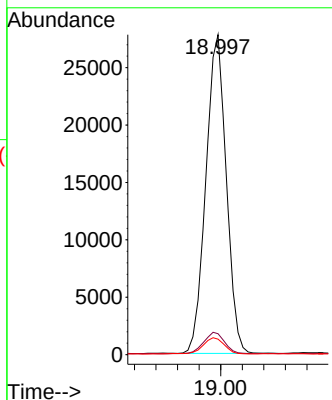
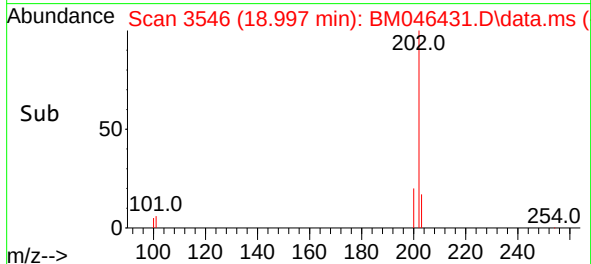
Instrument :
BNA_M
ClientSampleId :
A4B69DL



Tgt Ion:202 Resp: 36469
Ion Ratio Lower Upper
202 100
101 6.6 6.3 9.5
100 4.8 5.0 7.6

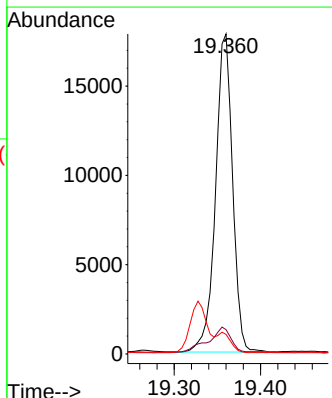
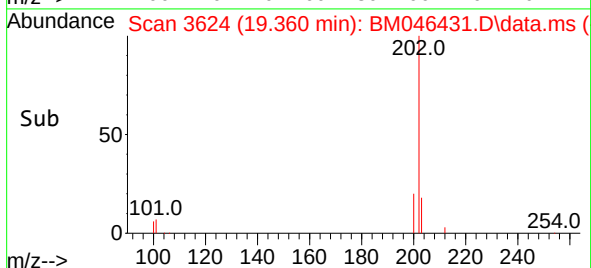
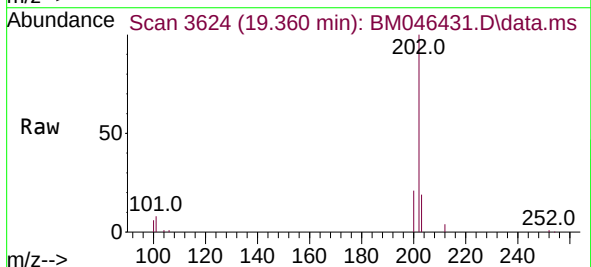
Manual Integrations
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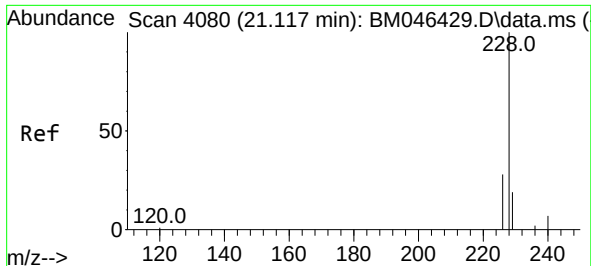
Reviewed By :Yogesh Patel 07/09/2024
Supervised By :mohammad ahmed 07/10/2024



#20
Pyrene
Concen: 0.431 ng/ul
RT: 19.360 min Scan# 3624
Delta R.T. -0.003 min
Lab File: BM046431.D
Acq: 08 Jul 2024 12:07

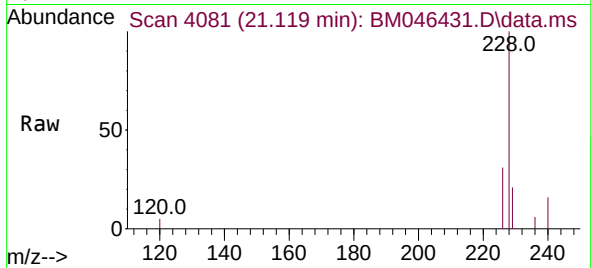
Tgt Ion:202 Resp: 24485
Ion Ratio Lower Upper
202 100
101 7.6 8.2 12.4#
100 6.1 6.9 10.3#





#21
Benzo(a)anthracene
Concen: 0.305 ng/ul
RT: 21.119 min Scan# 4081
Delta R.T. -0.006 min
Lab File: BM046431.D
Acq: 08 Jul 2024 12:07

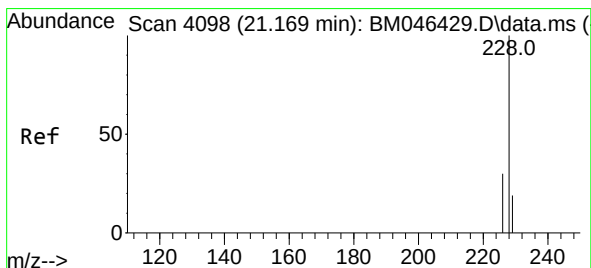
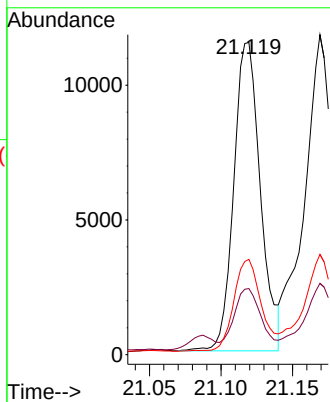
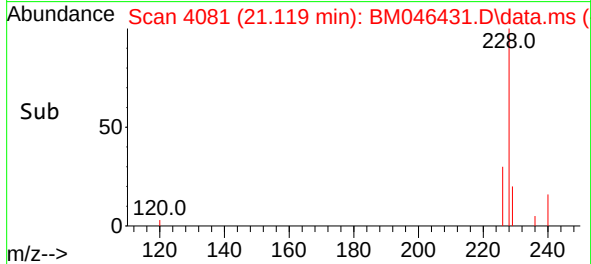
Instrument :
BNA_M
ClientSampleId :
A4B69DL



Tgt Ion:228 Resp: 14872
Ion Ratio Lower Upper
228 100
229 21.2 15.8 23.6
226 30.6 22.0 33.0

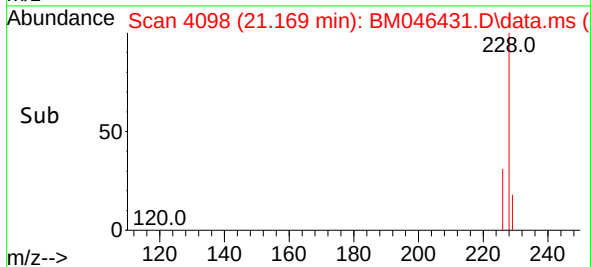
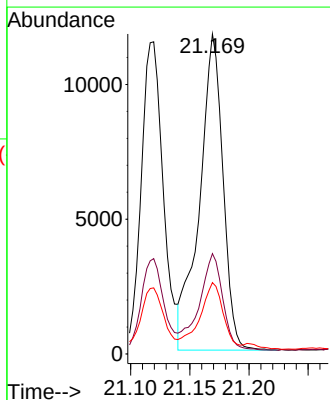
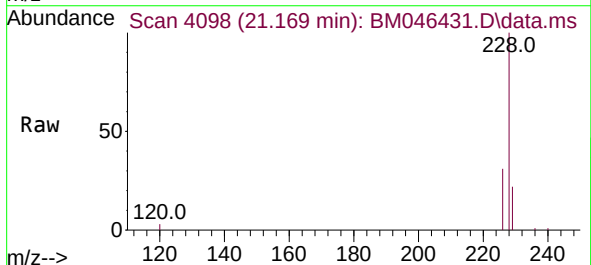
Manual Integrations
APPROVED

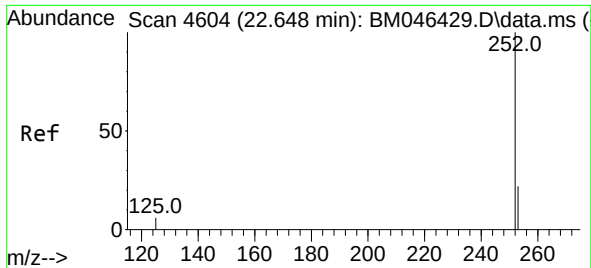
Reviewed By :Yogesh Patel 07/09/2024
Supervised By :mohammad ahmed 07/10/2024



#22
Chrysene
Concen: 0.334 ng/ul
RT: 21.169 min Scan# 4098
Delta R.T. -0.009 min
Lab File: BM046431.D
Acq: 08 Jul 2024 12:07

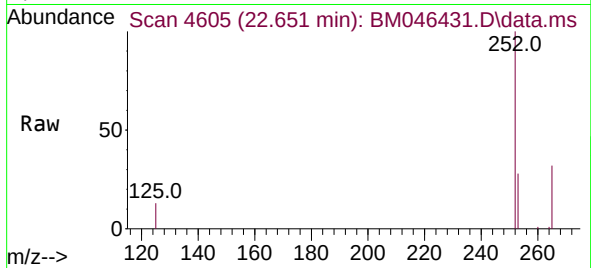
Tgt Ion:228 Resp: 16214
Ion Ratio Lower Upper
228 100
226 31.4 24.1 36.1
229 22.3 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 0.429 ng/ul m
RT: 22.651 min Scan# 4605
Delta R.T. -0.012 min
Lab File: BM046431.D
Acq: 08 Jul 2024 12:07

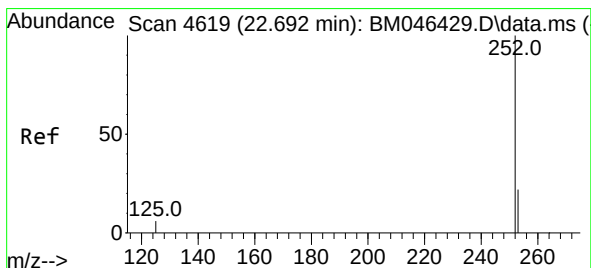
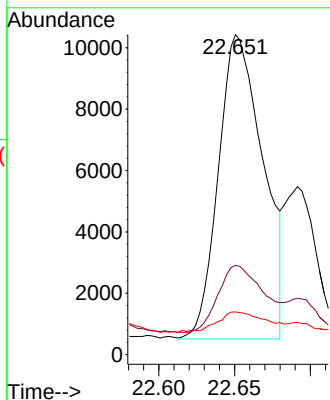
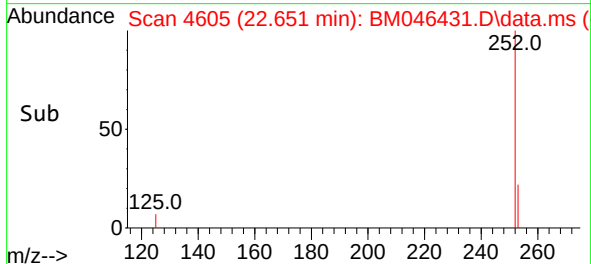
Instrument :
BNA_M
ClientSampleId :
A4B69DL



Tgt Ion:252 Resp: 20328
Ion Ratio Lower Upper
252 100
253 27.9 0.0 47.0
125 13.3 0.0 18.4

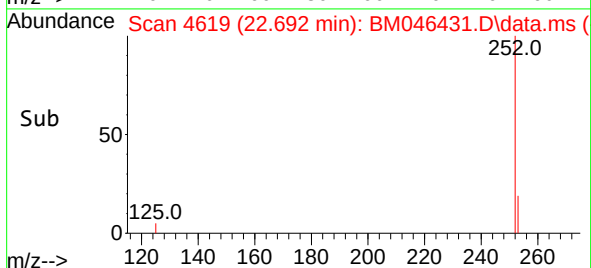
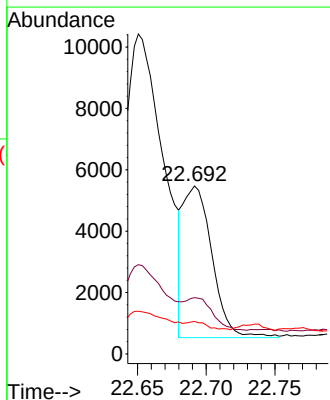
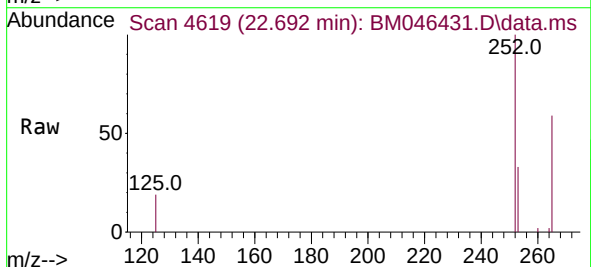
Manual Integrations
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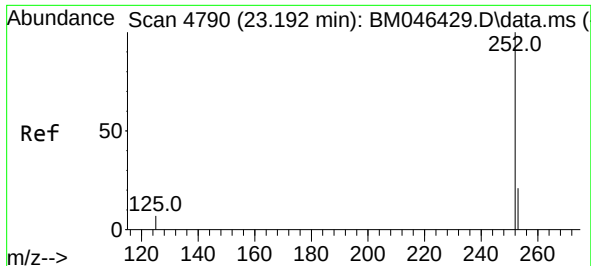
Reviewed By :Yogesh Patel 07/09/2024
Supervised By :mohammad ahmed 07/10/2024



#25
Benzo(k)fluoranthene
Concen: 0.152 ng/ul m
RT: 22.692 min Scan# 4619
Delta R.T. -0.015 min
Lab File: BM046431.D
Acq: 08 Jul 2024 12:07

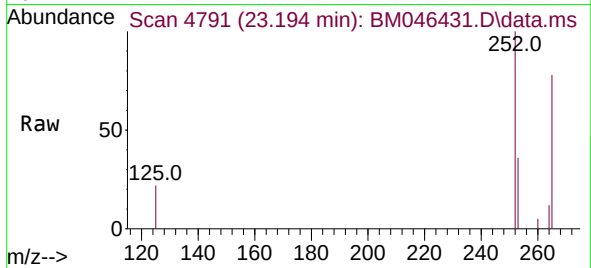
Tgt Ion:252 Resp: 7259
Ion Ratio Lower Upper
252 100
253 33.5 18.4 27.6#
125 19.3 7.5 11.3#





#26
Benzo(a)pyrene
Concen: 0.180 ng/ul
RT: 23.194 min Scan# 4791
Delta R.T. -0.015 min
Lab File: BM046431.D
Acq: 08 Jul 2024 12:07

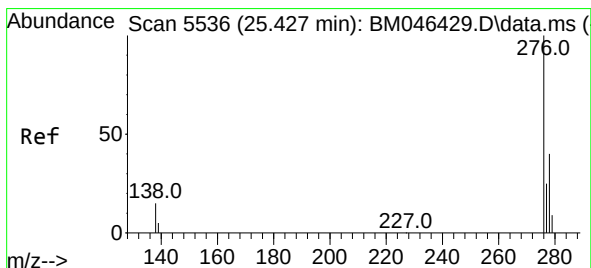
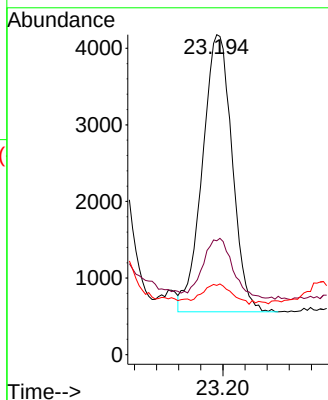
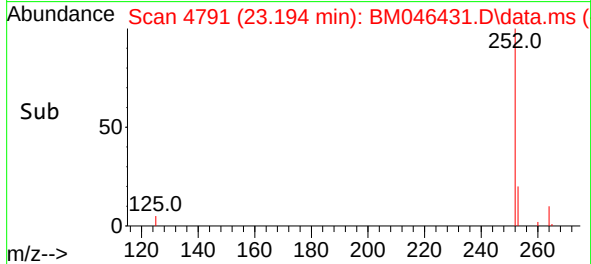
Instrument :
BNA_M
ClientSampleId :
A4B69DL



Tgt Ion:252 Resp: 6730
Ion Ratio Lower Upper
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253 35.6 18.9 28.3#
125 21.7 8.1 12.1#

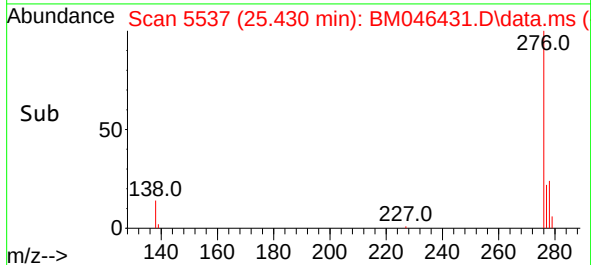
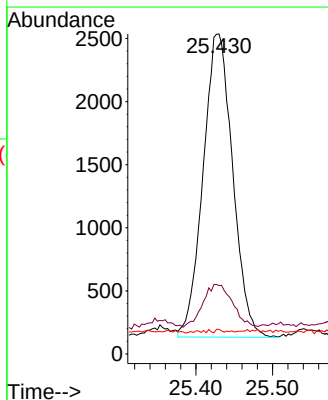
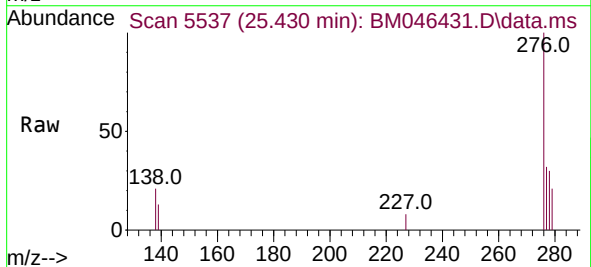
Manual Integrations
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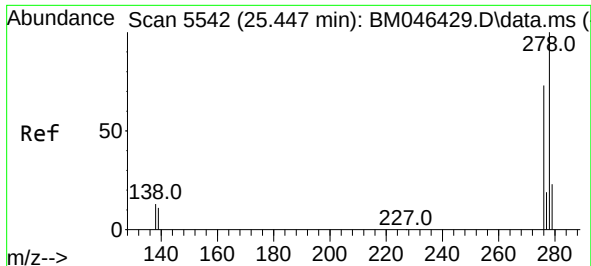
Reviewed By :Yogesh Patel 07/09/2024
Supervised By :mohammad ahmed 07/10/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.127 ng/ul
RT: 25.430 min Scan# 5537
Delta R.T. -0.017 min
Lab File: BM046431.D
Acq: 08 Jul 2024 12:07

Tgt Ion:276 Resp: 6450
Ion Ratio Lower Upper
276 100
138 14.2 15.7 23.5#
227 0.2 0.1 0.1#





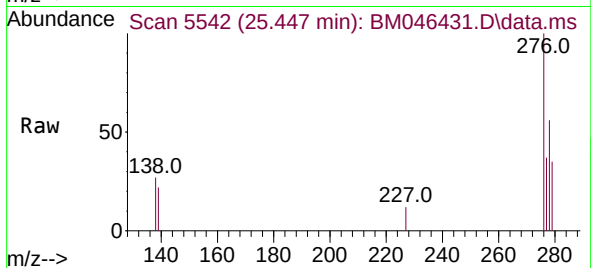
#28
Dibenzo(a,h)anthracene
Concen: 0.060 ng/ul
RT: 25.447 min Scan# 51
Delta R.T. -0.027 min
Lab File: BM046431.D
Acq: 08 Jul 2024 12:07

Instrument :

BNA_M

ClientSampleId :

A4B69DL



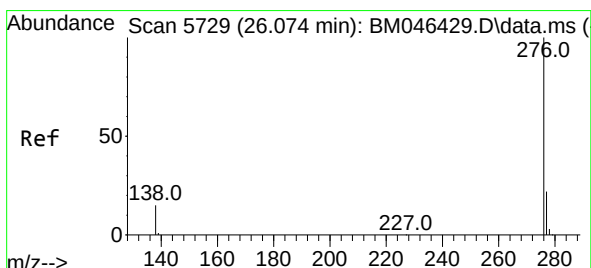
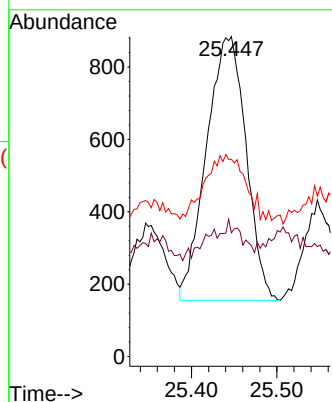
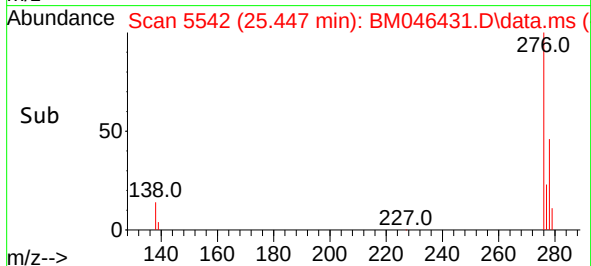
Tgt Ion:278 Resp: 235
Ion Ratio Lower Upper
278 100
139 38.7 12.6 18.8
279 61.7 20.7 31.1

Manual Integrations

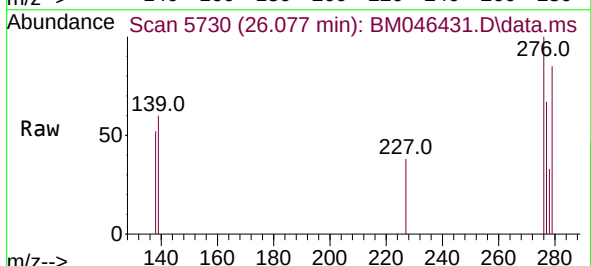
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Reviewed By :Yogesh Patel 07/09/2024

Supervised By :mohammad ahmed 07/10/2024



#29
Benzo(g,h,i)perylene
Concen: 0.026 ng/ul
RT: 26.077 min Scan# 5730
Delta R.T. -0.014 min
Lab File: BM046431.D
Acq: 08 Jul 2024 12:07



Tgt Ion:276 Resp: 1061
Ion Ratio Lower Upper
276 100
138 52.2 15.4 23.0#
277 66.5 19.7 29.5#

