

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM063023\
 Data File : BM040491.D
 Acq On : 01 Jul 2023 03:11
 Operator : MA/JU
 Sample : 03161-08
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFW4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/01/2023
 Supervised By :mohammad ahmed 07/01/2023

Quant Time: Jul 01 04:25:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 01 03:00:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.936	152	8620	0.400	ng/ul	0.00
4) Naphthalene-d8	10.745	136	31930	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.577	164	15376	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.324	188	29495	0.400	ng/ul	0.00
17) Chrysene-d12	21.506	240	15408	0.400	ng/ul	0.00
23) Perylene-d12	23.920	264	20556	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.325	96	18555	1.370	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.329	152	4539	0.101	ng/ul	0.00
18) Fluoranthene-d10	19.352	212	6241	0.126	ng/ul	0.00
Target Compounds					Qvalue	
5) Naphthalene	10.795	128	34803	0.395	ng/ul	99
7) 2-Methylnaphthalene	12.406	142	21490	0.415	ng/ul	98
8) 1-Methylnaphthalene	12.626	142	15578	0.301	ng/ul	99
10) Acenaphthylene	14.300	152	90114	1.312	ng/ul	100
11) Acenaphthene	14.637	153	5029	0.087	ng/ul	95
12) Fluorene	15.627	166	9841	0.159	ng/ul#	96
15) Phenanthrene	17.366	178	228443	2.493	ng/ul	99
16) Anthracene	17.459	178	48629	0.632	ng/ul	99
19) Fluoranthene	19.380	202	557254	8.514	ng/ul	96
20) Pyrene	19.747	202	437146	6.230	ng/ul	96
21) Benzo(a)anthracene	21.488	228	232379	4.459	ng/ul	97
22) Chrysene	21.544	228	245687	4.133	ng/ul	97
24) Benzo(b)fluoranthene	23.184	252	404503	5.085	ng/ul	89
25) Benzo(k)fluoranthene	23.228	252	126141m	1.609	ng/ul	
26) Benzo(a)pyrene	23.812	252	242096	3.378	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	26.424	276	204480	2.049	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.430	278	52013	0.666	ng/ul	94
29) Benzo(g,h,i)perylene	27.198	276	175704	2.009	ng/ul	95

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

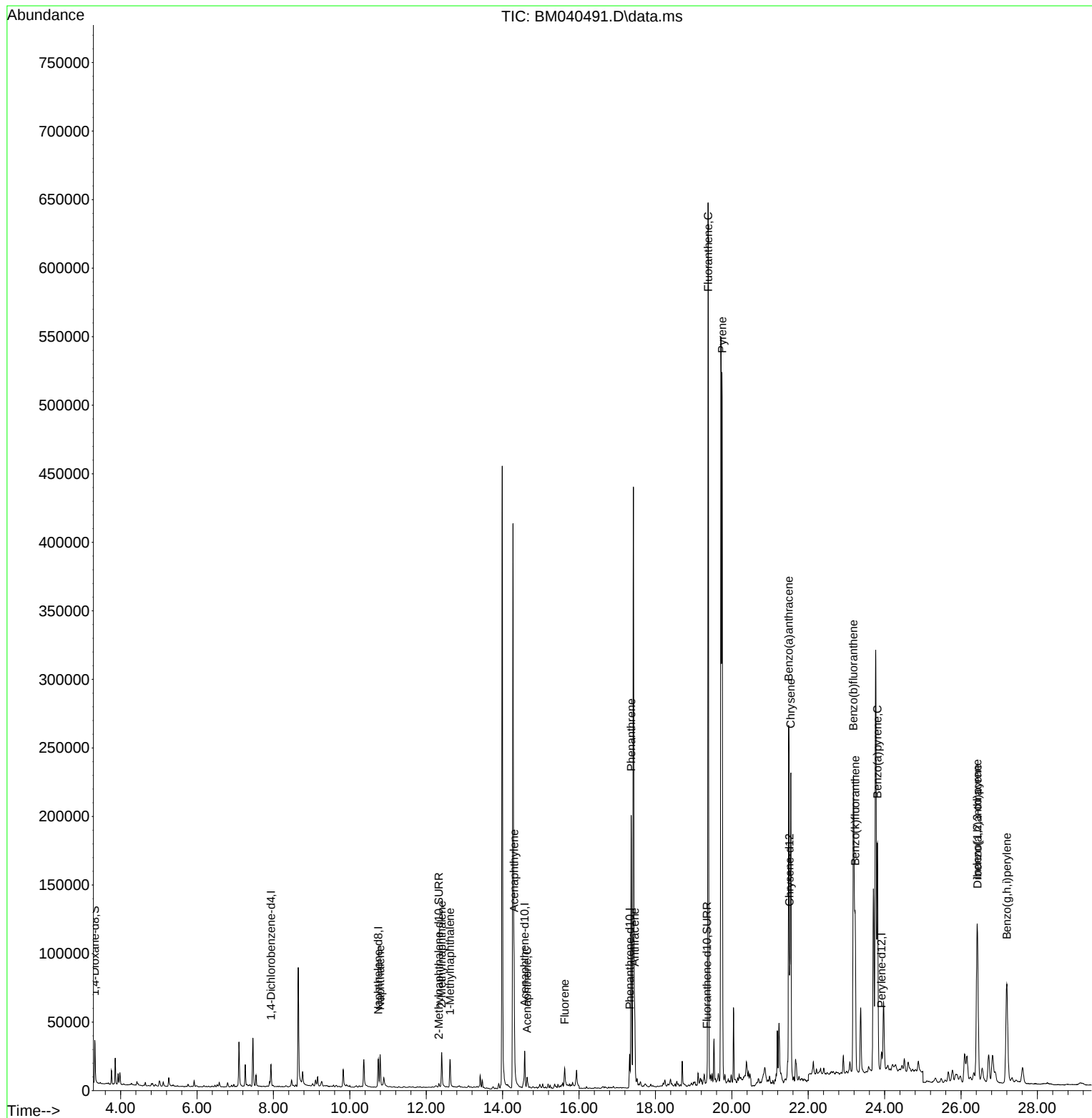
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM063023\
Data File : BM040491.D
Acq On : 01 Jul 2023 03:11
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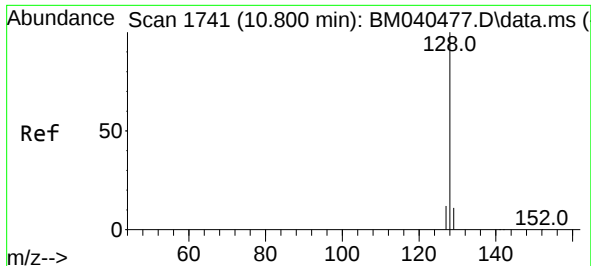
Instrument :
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Quant Time: Jul 01 04:25:47 2023
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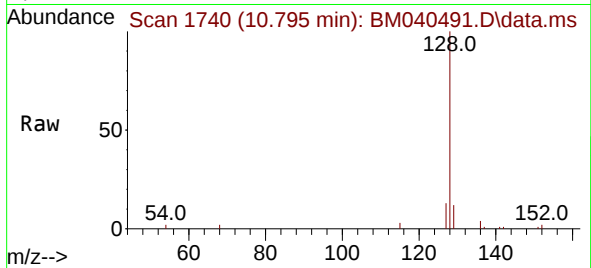
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023





#5
Naphthalene
Concen: 0.395 ng/ul
RT: 10.795 min Scan# 1740
Delta R.T. 0.000 min
Lab File: BM040491.D
Acq: 01 Jul 2023 03:11

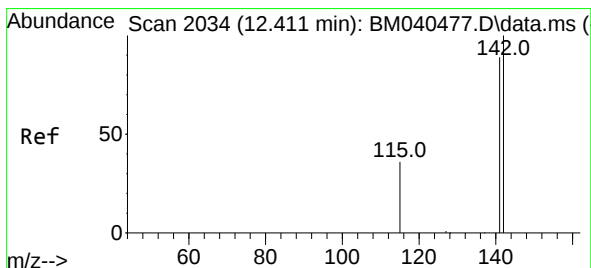
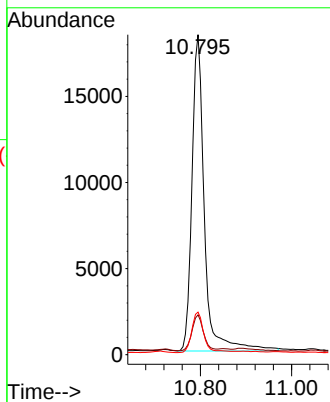
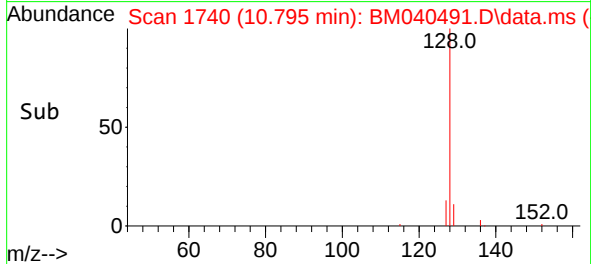
Instrument :
BNA_M
ClientSampleId :
DCF4W4



Tgt Ion:128 Resp: 3480
Ion Ratio Lower Upper
128 100
129 12.4 9.2 13.8
127 13.3 10.6 15.8

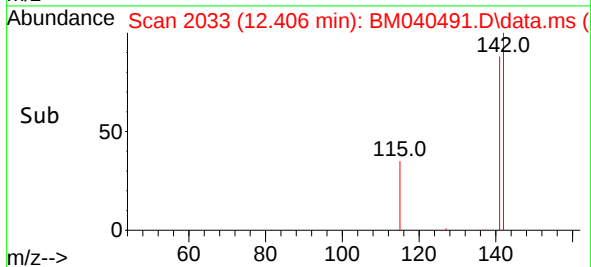
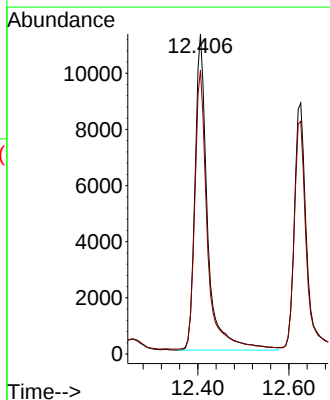
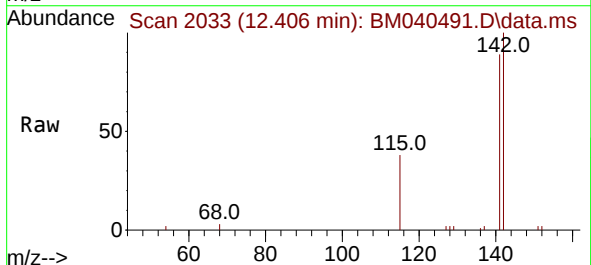
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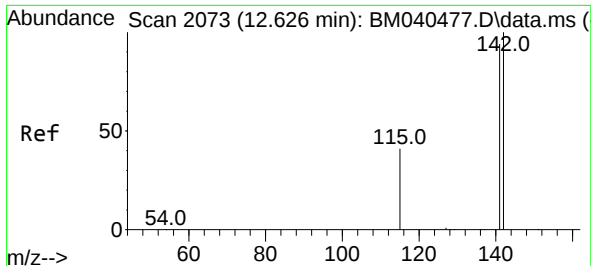
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023



#7
2-Methylnaphthalene
Concen: 0.415 ng/ul
RT: 12.406 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BM040491.D
Acq: 01 Jul 2023 03:11

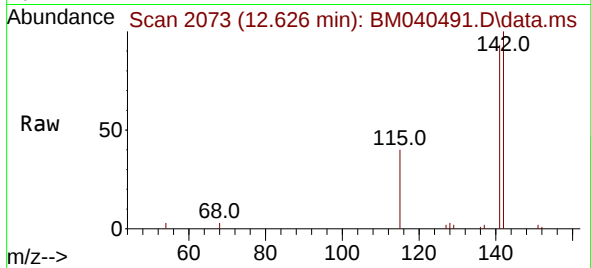
Tgt Ion:142 Resp: 21490
Ion Ratio Lower Upper
142 100
141 88.2 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.301 ng/ul
RT: 12.626 min Scan# 2073
Delta R.T. 0.000 min
Lab File: BM040491.D
Acq: 01 Jul 2023 03:11

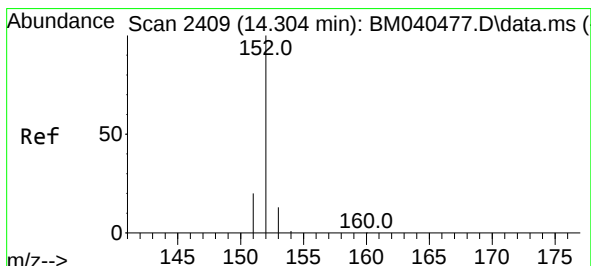
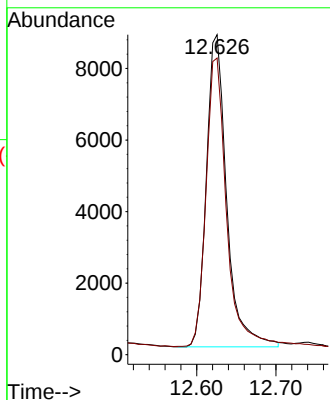
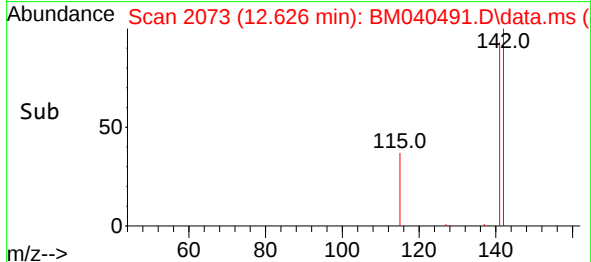
Instrument :
BNA_M
ClientSampleId :
DCF4



Tgt Ion:142 Resp: 15578
Ion Ratio Lower Upper
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141 92.8 73.7 110.5

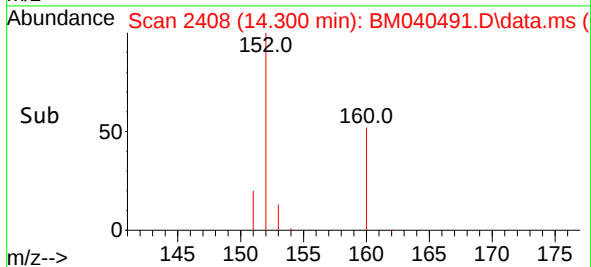
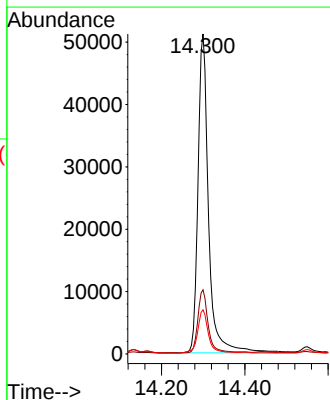
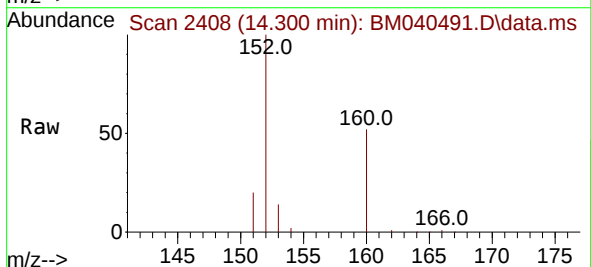
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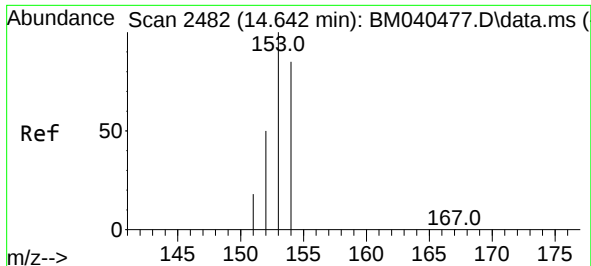
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023



#10
Acenaphthylene
Concen: 1.312 ng/ul
RT: 14.300 min Scan# 2408
Delta R.T. 0.000 min
Lab File: BM040491.D
Acq: 01 Jul 2023 03:11

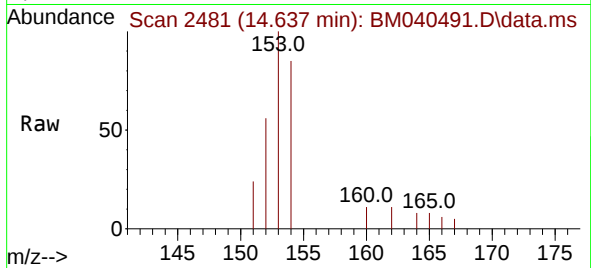
Tgt Ion:152 Resp: 90114
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2
153 13.8 10.9 16.3





#11
Acenaphthene
Concen: 0.087 ng/ul
RT: 14.637 min Scan# 2481
Delta R.T. -0.004 min
Lab File: BM040491.D
Acq: 01 Jul 2023 03:11

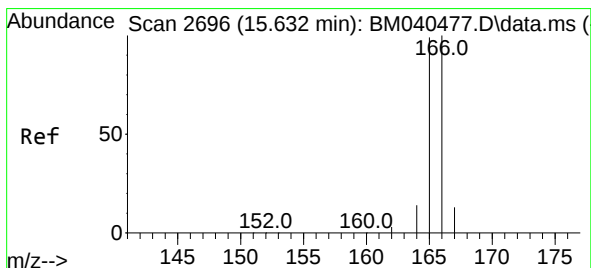
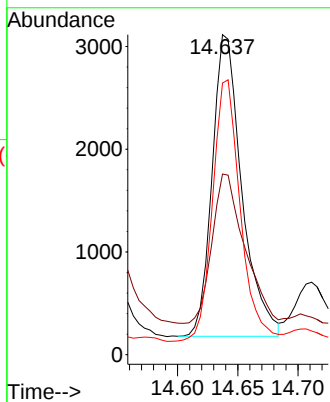
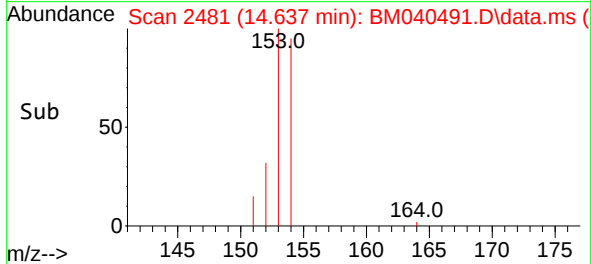
Instrument :
BNA_M
ClientSampleId :
DCFW4



Tgt Ion:153 Resp: 5029
Ion Ratio Lower Upper
153 100
152 56.4 41.0 61.4
154 84.9 70.8 106.2

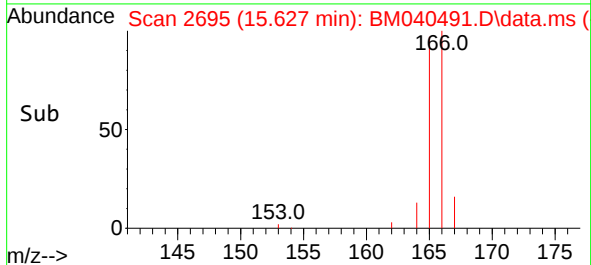
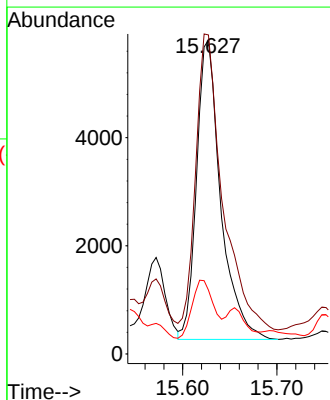
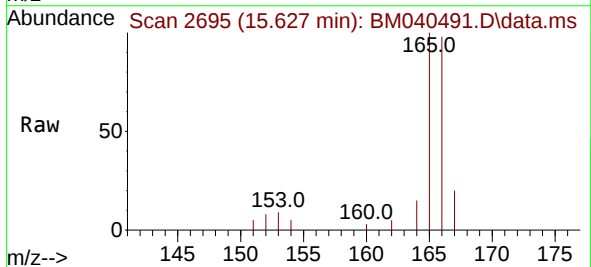
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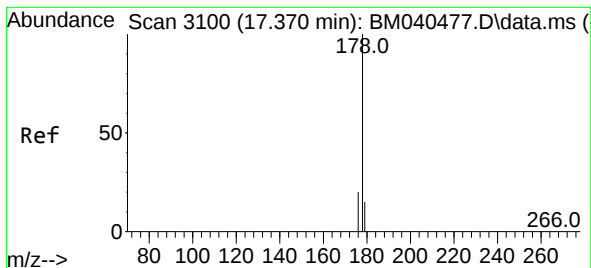
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023



#12
Fluorene
Concen: 0.159 ng/ul
RT: 15.627 min Scan# 2695
Delta R.T. -0.004 min
Lab File: BM040491.D
Acq: 01 Jul 2023 03:11

Tgt Ion:166 Resp: 9841
Ion Ratio Lower Upper
166 100
165 101.7 79.6 119.4
167 20.4 11.4 17.0#





#15

Phenanthrene

Concen: 2.493 ng/ul

RT: 17.366 min Scan# 3099

Delta R.T. -0.004 min

Lab File: BM040491.D

Acq: 01 Jul 2023 03:11

Instrument :

BNA_M

ClientSampleId :

DCF4

Tgt Ion:178 Resp: 22844

Ion Ratio Lower Upper

178 100

179 15.6 12.8 19.2

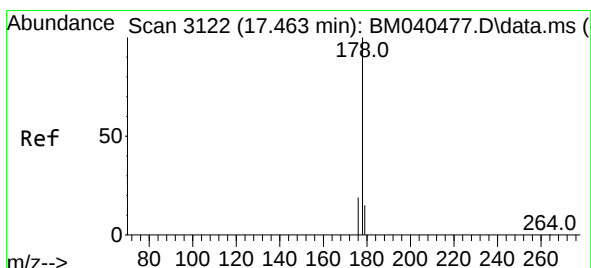
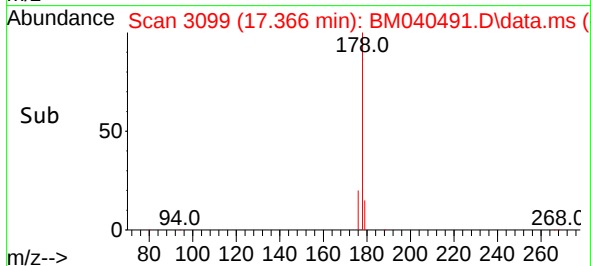
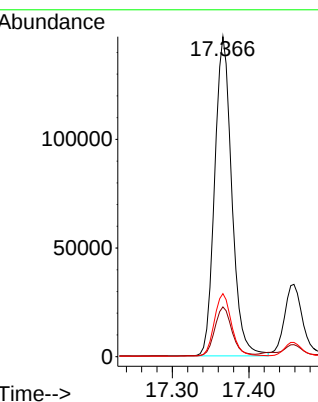
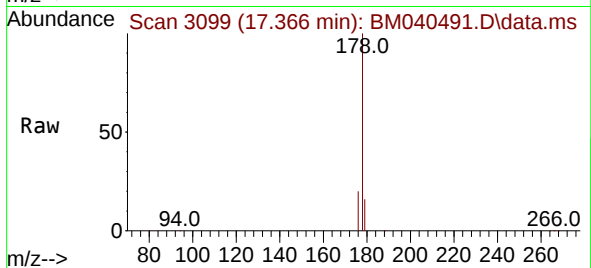
176 19.7 16.4 24.6

Manual Integrations

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Reviewed By :Yogesh Patel 07/01/2023

Supervised By :mohammad ahmed 07/01/2023



#16

Anthracene

Concen: 0.632 ng/ul

RT: 17.459 min Scan# 3121

Delta R.T. -0.004 min

Lab File: BM040491.D

Acq: 01 Jul 2023 03:11

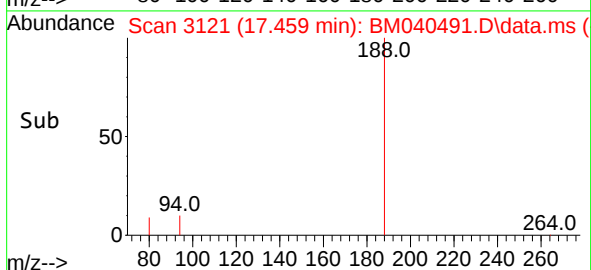
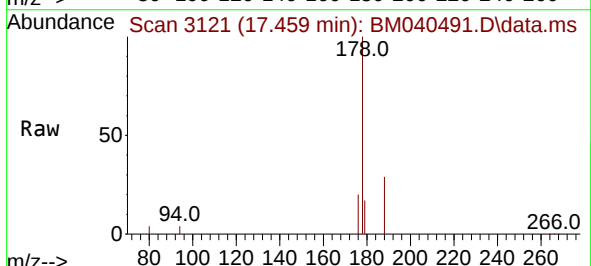
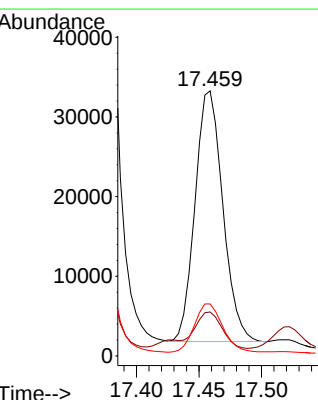
Tgt Ion:178 Resp: 48629

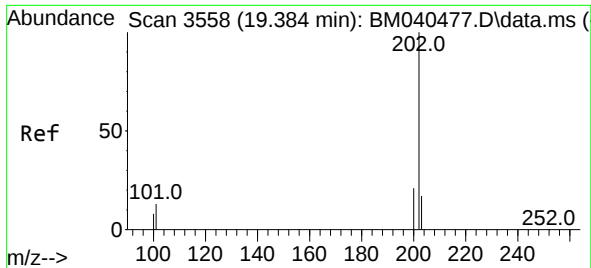
Ion Ratio Lower Upper

178 100

179 16.6 12.9 19.3

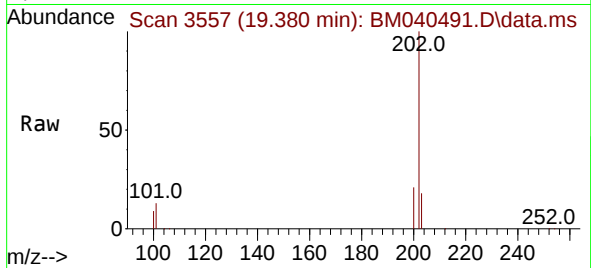
176 19.6 15.8 23.6





#19
Fluoranthene
Concen: 8.514 ng/ul
RT: 19.380 min Scan# 3558
Delta R.T. -0.005 min
Lab File: BM040491.D
Acq: 01 Jul 2023 03:11

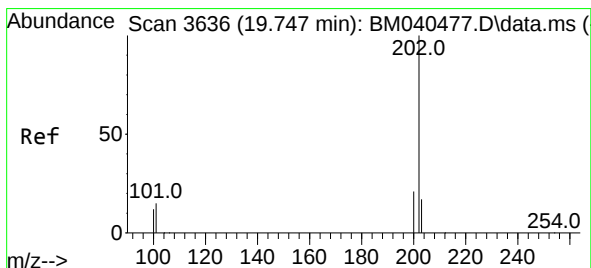
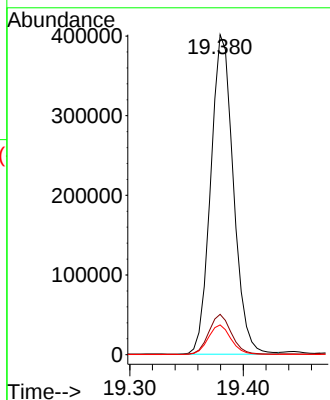
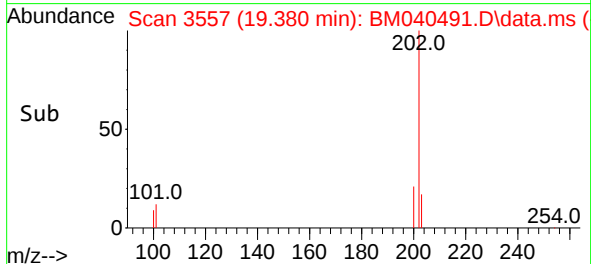
Instrument :
BNA_M
ClientSampleId :
DCF4



Tgt Ion:202 Resp: 557254
Ion Ratio Lower Upper
202 100
101 12.6 11.4 17.0
100 9.3 8.7 13.1

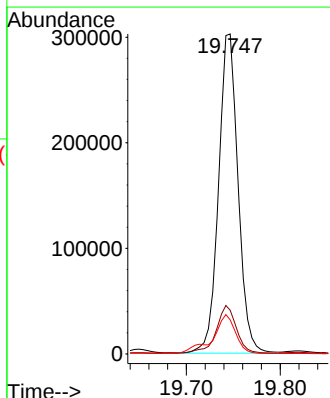
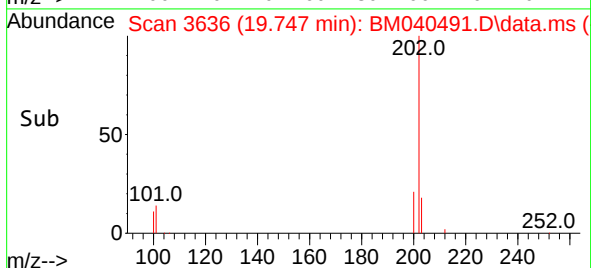
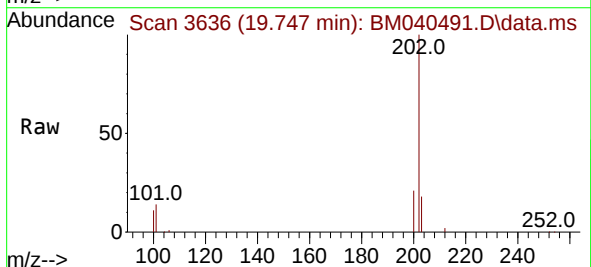
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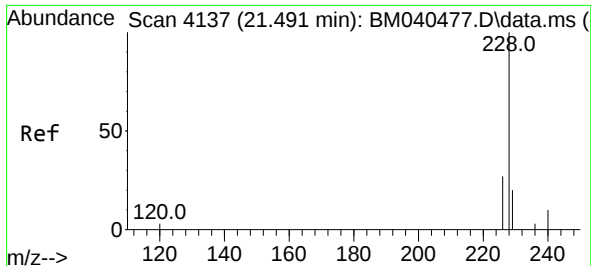
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023



#20
Pyrene
Concen: 6.230 ng/ul
RT: 19.747 min Scan# 3636
Delta R.T. 0.000 min
Lab File: BM040491.D
Acq: 01 Jul 2023 03:11

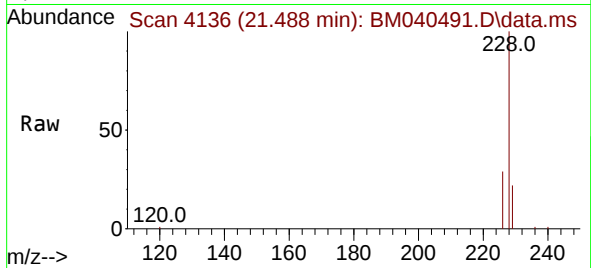
Tgt Ion:202 Resp: 437146
Ion Ratio Lower Upper
202 100
101 13.7 12.6 18.8
100 10.7 9.8 14.6





#21
Benzo(a)anthracene
Concen: 4.459 ng/ul
RT: 21.488 min Scan# 4136
Delta R.T. -0.003 min
Lab File: BM040491.D
Acq: 01 Jul 2023 03:11

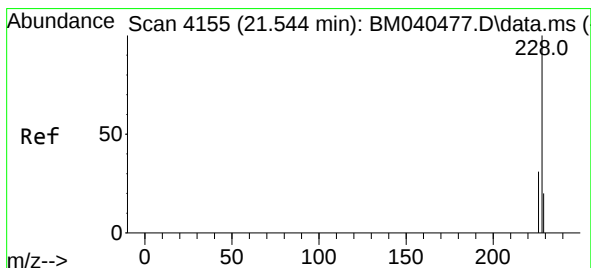
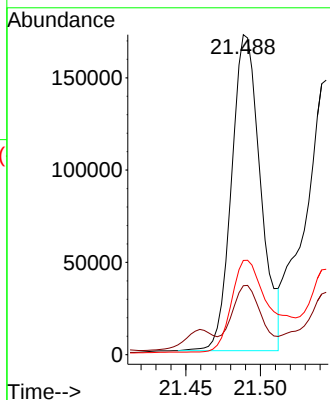
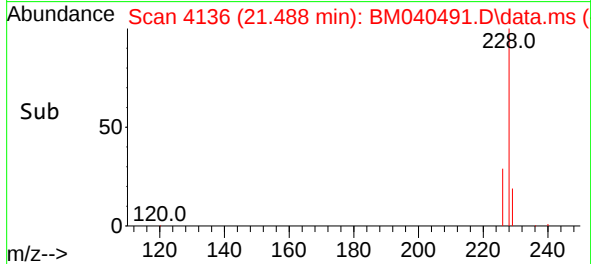
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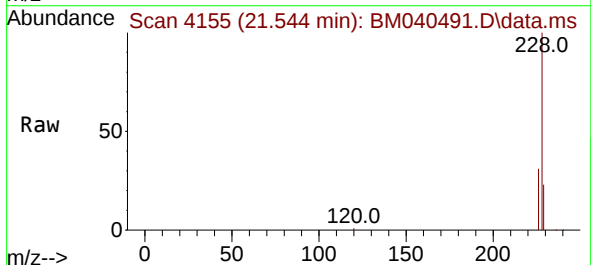
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Ion Ratio Lower Upper
228 100
229 21.6 16.0 24.0
226 29.4 22.3 33.5

Manual Integrations
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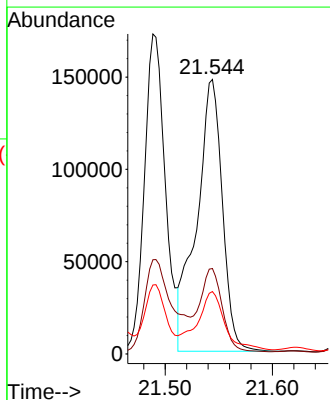
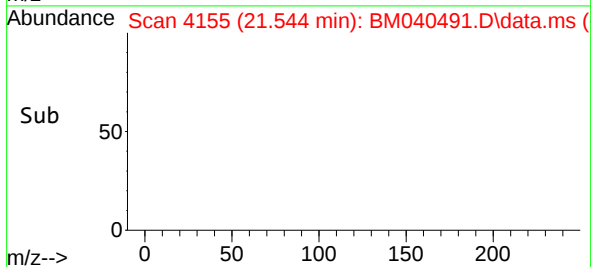
Reviewed By :Yogesh Patel 07/01/2023
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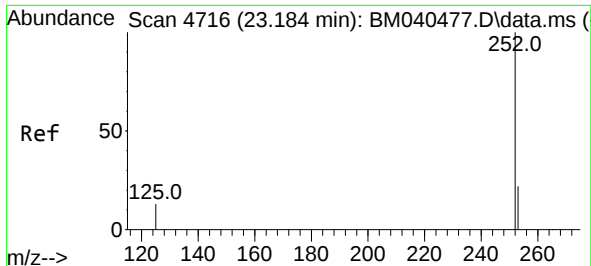


#22
Chrysene
Concen: 4.133 ng/ul
RT: 21.544 min Scan# 4155
Delta R.T. 0.000 min
Lab File: BM040491.D
Acq: 01 Jul 2023 03:11



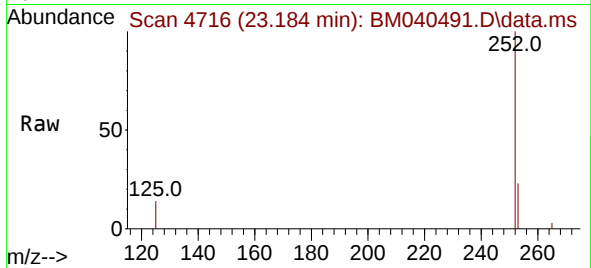
Tgt Ion:228 Resp: 245687
Ion Ratio Lower Upper
228 100
226 31.1 24.9 37.3
229 22.7 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 5.085 ng/ul
RT: 23.184 min Scan# 4716
Delta R.T. 0.003 min
Lab File: BM040491.D
Acq: 01 Jul 2023 03:11

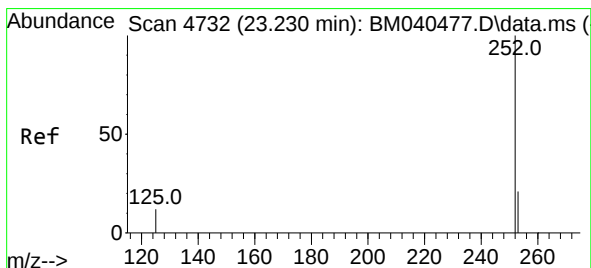
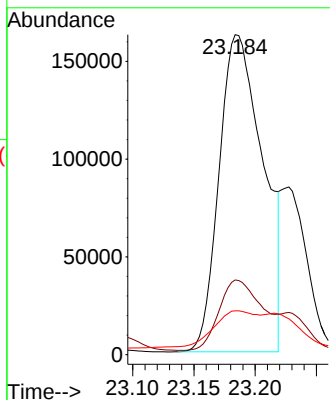
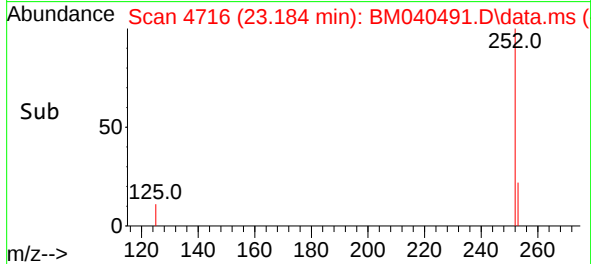
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BNA_M
ClientSampleId :
DCF4



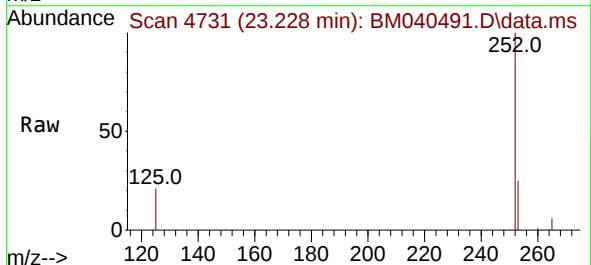
Tgt Ion:252 Resp: 40450
Ion Ratio Lower Upper
252 100
253 23.3 0.0 52.8
125 13.7 0.0 43.0

Manual Integrations
APPROVED

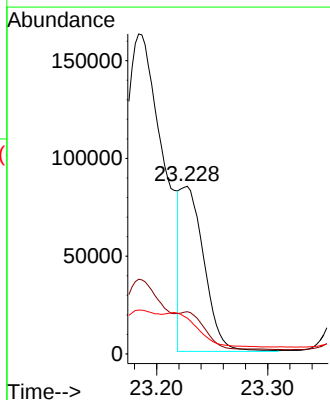
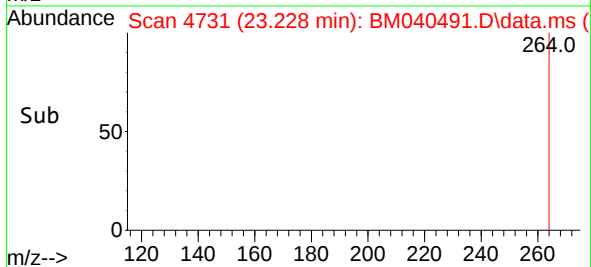
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023

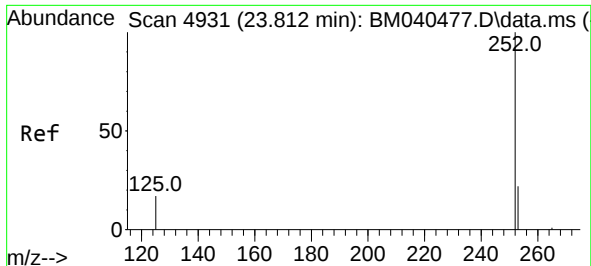


#25
Benzo(k)fluoranthene
Concen: 1.609 ng/ul m
RT: 23.228 min Scan# 4731
Delta R.T. 0.000 min
Lab File: BM040491.D
Acq: 01 Jul 2023 03:11



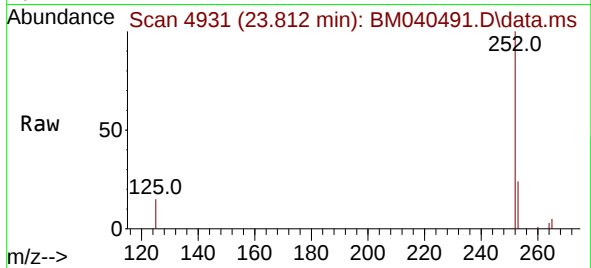
Tgt Ion:252 Resp: 126141
Ion Ratio Lower Upper
252 100
253 25.2 21.2 31.8
125 21.4 16.4 24.6





#26
Benzo(a)pyrene
Concen: 3.378 ng/ul
RT: 23.812 min Scan# 4931
Delta R.T. 0.000 min
Lab File: BM040491.D
Acq: 01 Jul 2023 03:11

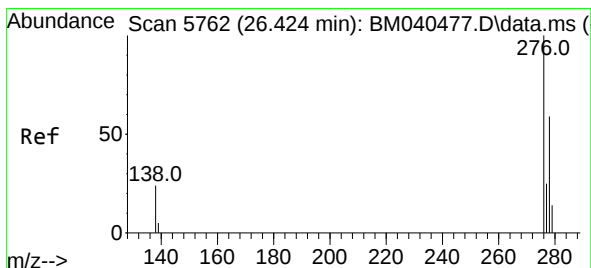
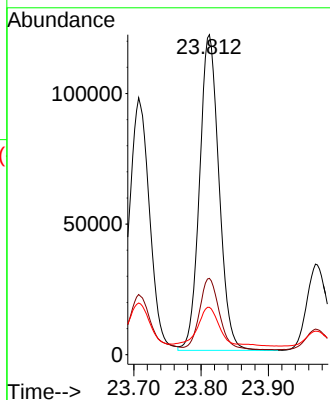
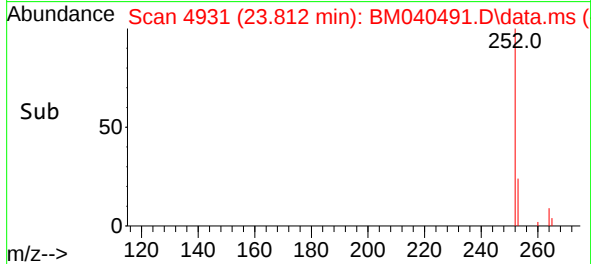
Instrument :
BNA_M
ClientSampleId :
DCF4W4



Tgt Ion:252 Resp: 242090
Ion Ratio Lower Upper
252 100
253 23.9 22.9 34.3
125 14.8 21.0 31.4

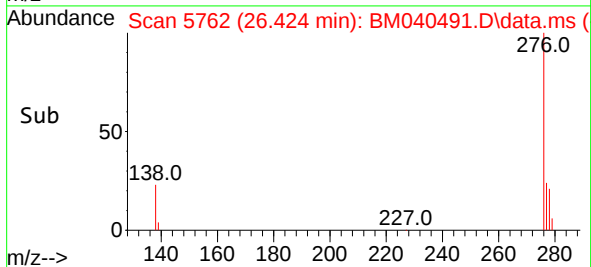
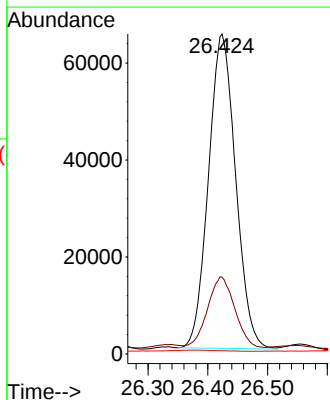
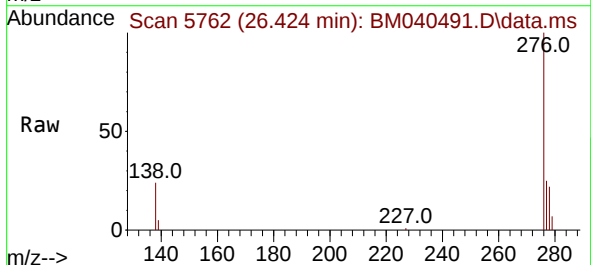
Manual Integrations
APPROVED

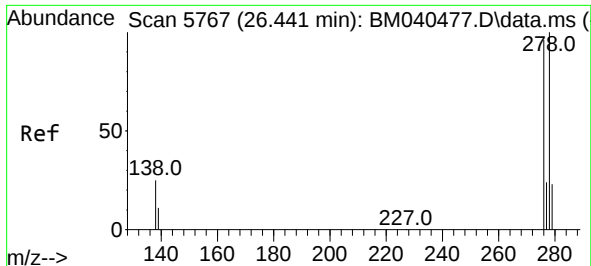
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 2.049 ng/ul
RT: 26.424 min Scan# 5762
Delta R.T. 0.003 min
Lab File: BM040491.D
Acq: 01 Jul 2023 03:11

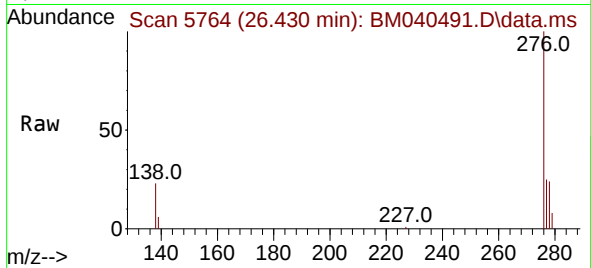
Tgt Ion:276 Resp: 204480
Ion Ratio Lower Upper
276 100
138 22.9 24.5 36.7#
227 0.0 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.666 ng/ul
RT: 26.430 min Scan# 5767
Delta R.T. -0.007 min
Lab File: BM040491.D
Acq: 01 Jul 2023 03:11

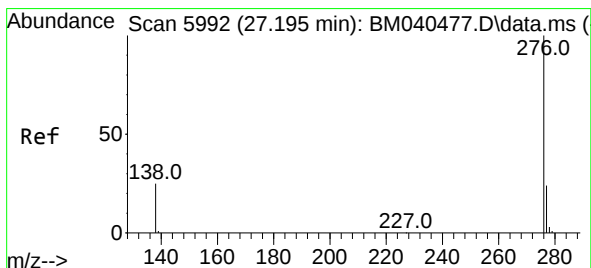
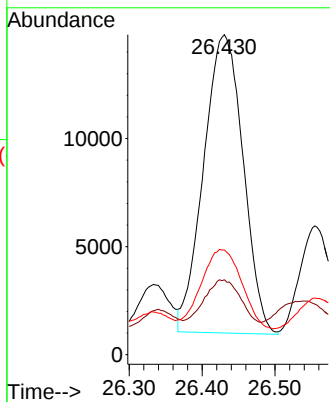
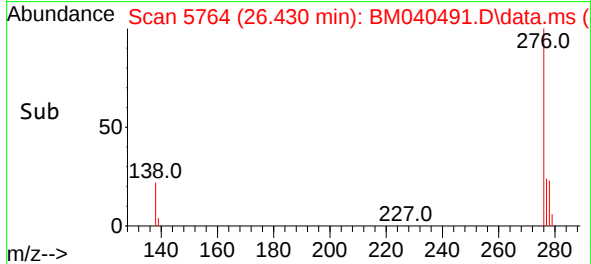
Instrument :
BNA_M
ClientSampleId :
DCF4W4



Tgt Ion:278 Resp: 5201
Ion Ratio Lower Upper
278 100
139 23.4 17.9 26.9
279 32.7 22.0 33.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023



#29
Benzo(g,h,i)perylene
Concen: 2.009 ng/ul
RT: 27.198 min Scan# 5993
Delta R.T. 0.014 min
Lab File: BM040491.D
Acq: 01 Jul 2023 03:11

Tgt Ion:276 Resp: 175704
Ion Ratio Lower Upper
276 100
138 24.6 23.0 34.6
277 24.5 20.3 30.5

