

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070123\
 Data File : BM040550.D
 Acq On : 02 Jul 2023 21:54
 Operator : MA/JU
 Sample : 03243-16
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCGD6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/03/2023
 Supervised By :mohammad ahmed 07/03/2023

Quant Time: Jul 03 02:33:36 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	7.928	152	8313	0.400	ng/ul	0.00
4) Naphthalene-d8	10.734	136	27285	0.400	ng/ul	#-0.01
9) Acenaphthene-d10	14.572	164	13670	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.319	188	26969	0.400	ng/ul	0.00
17) Chrysene-d12	21.503	240	21350	0.400	ng/ul	0.00
23) Perylene-d12	23.917	264	23454	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.325	96	64016	4.902	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.323	152	11400	0.298	ng/ul	-0.01
18) Fluoranthene-d10	19.347	212	22109	0.323	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.783	128	31587	0.420	ng/ul	98
7) 2-Methylnaphthalene	12.400	142	12401	0.281	ng/ul	98
8) 1-Methylnaphthalene	12.615	142	9172	0.208	ng/ul	100
10) Acenaphthylene	14.295	152	85811	1.405	ng/ul	100
11) Acenaphthene	14.632	153	25234	0.489	ng/ul	99
12) Fluorene	15.618	166	25291	0.459	ng/ul	99
15) Phenanthrene	17.362	178	633727	7.565	ng/ul	98
16) Anthracene	17.450	178	150948	2.144	ng/ul	100
19) Fluoranthene	19.379	202	2043148	22.529	ng/ul#	93
20) Pyrene	19.742	202	1580930	16.260	ng/ul	95
21) Benzo(a)anthracene	21.485	228	952750	13.193	ng/ul	98
22) Chrysene	21.541	228	1036413	12.581	ng/ul	97
24) Benzo(b)fluoranthene	23.184	252	2008376	22.127	ng/ul	87
25) Benzo(k)fluoranthene	23.222	252	564390m	6.309	ng/ul	
26) Benzo(a)pyrene	23.812	252	1160963	14.200	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	26.427	276	1113014	9.775	ng/ul#	84
28) Dibenzo(a,h)anthracene	26.430	278	272990	3.062	ng/ul	94
29) Benzo(g,h,i)perylene	27.202	276	1042694	10.448	ng/ul#	93

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

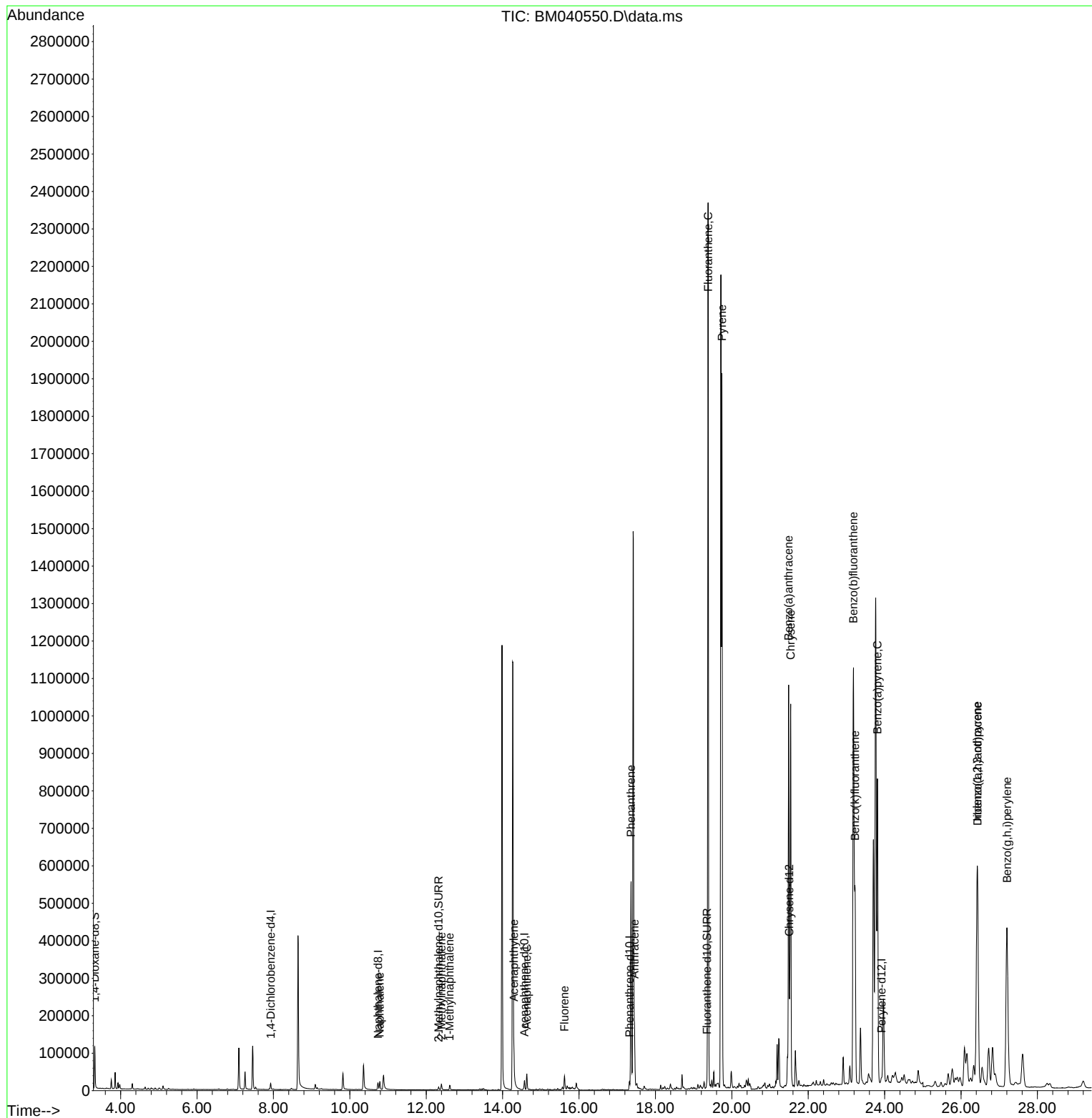
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070123\
Data File : BM040550.D
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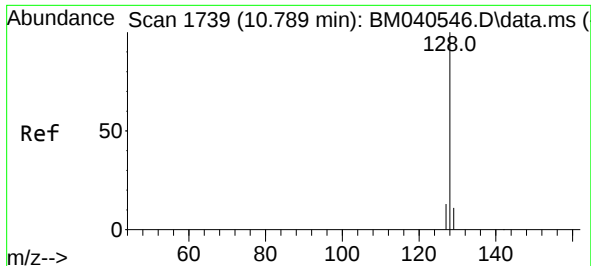
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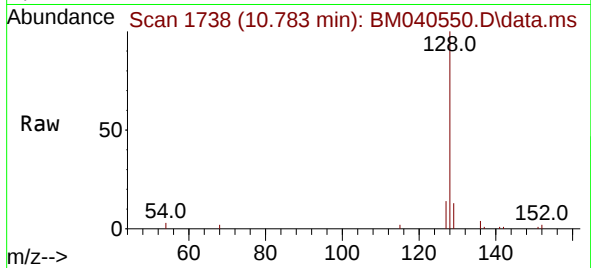
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023





#5
Naphthalene
Concen: 0.420 ng/ul
RT: 10.783 min Scan# 1738
Delta R.T. -0.011 min
Lab File: BM040550.D
Acq: 02 Jul 2023 21:54

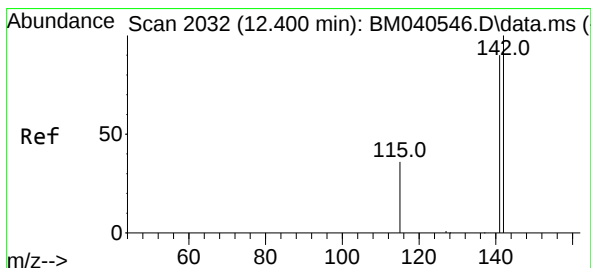
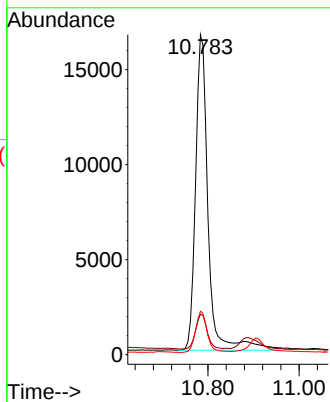
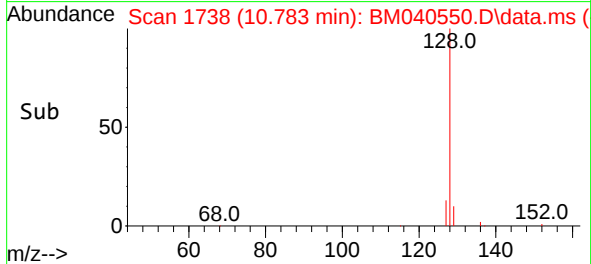
Instrument :
BNA_M
ClientSampleId :
DCGD6



Tgt Ion:128 Resp: 3158
Ion Ratio Lower Upper
128 100
129 12.6 9.2 13.8
127 13.6 10.6 15.8

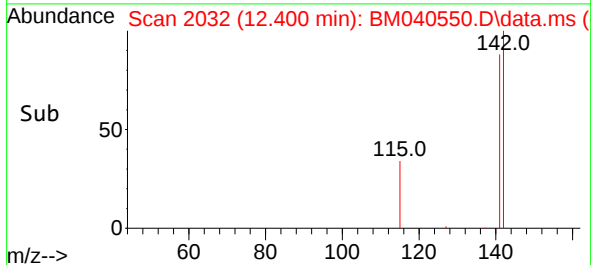
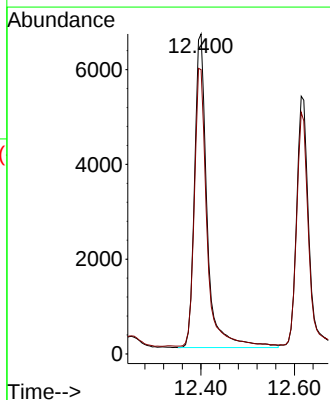
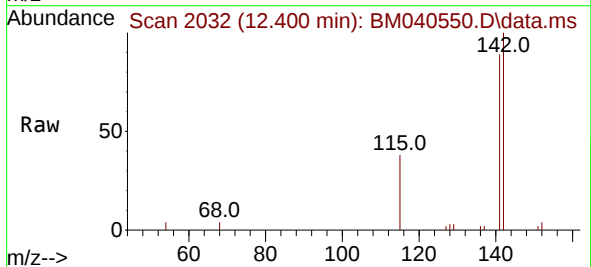
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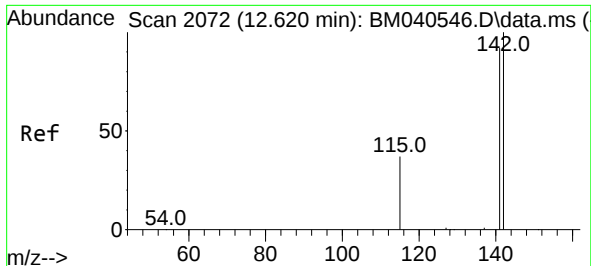
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023



#7
2-Methylnaphthalene
Concen: 0.281 ng/ul
RT: 12.400 min Scan# 2032
Delta R.T. -0.005 min
Lab File: BM040550.D
Acq: 02 Jul 2023 21:54

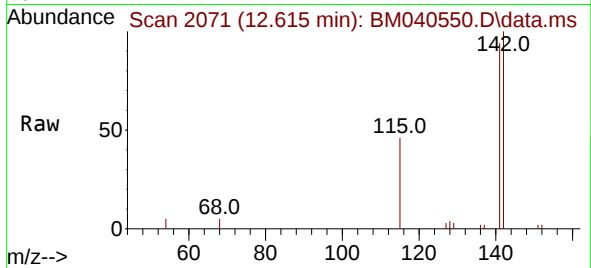
Tgt Ion:142 Resp: 12401
Ion Ratio Lower Upper
142 100
141 87.9 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.208 ng/ul
RT: 12.615 min Scan# 2072
Delta R.T. -0.011 min
Lab File: BM040550.D
Acq: 02 Jul 2023 21:54

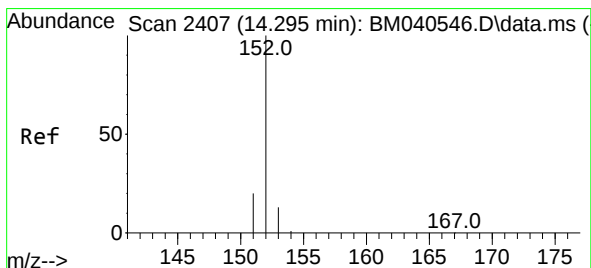
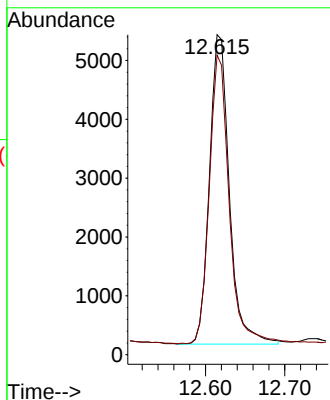
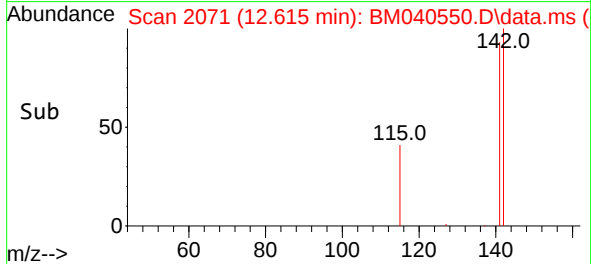
Instrument :
BNA_M
ClientSampleId :
DCGD6



Tgt Ion:142 Resp: 9172
Ion Ratio Lower Upper
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141 92.6 73.7 110.5

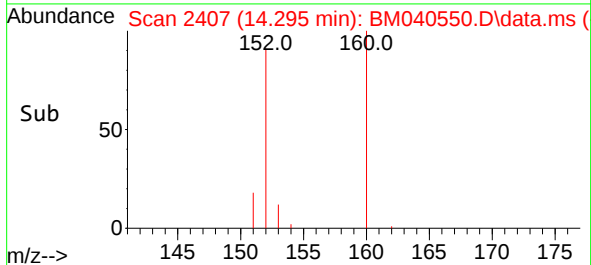
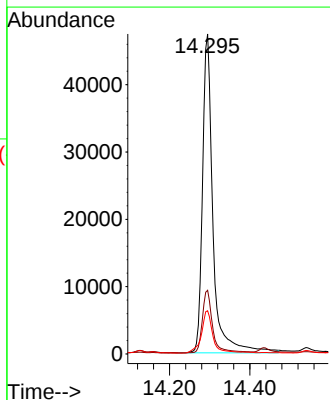
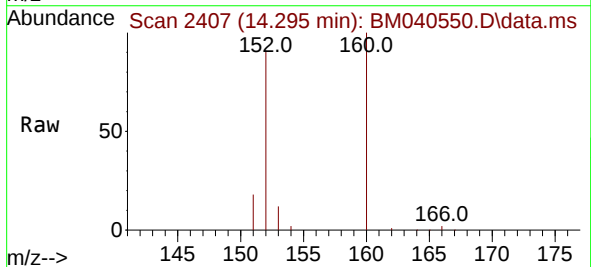
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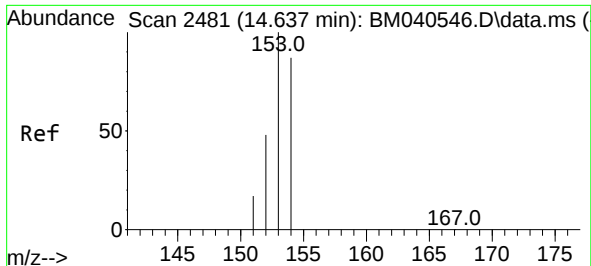
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023



#10
Acenaphthylene
Concen: 1.405 ng/ul
RT: 14.295 min Scan# 2407
Delta R.T. -0.005 min
Lab File: BM040550.D
Acq: 02 Jul 2023 21:54

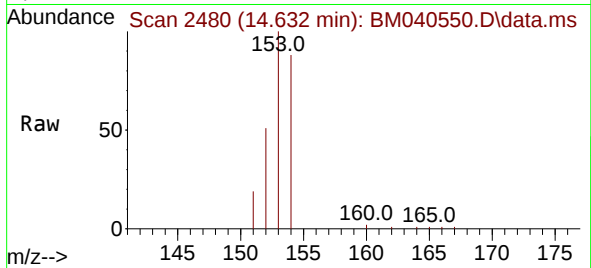
Tgt Ion:152 Resp: 85811
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.2
153 13.5 10.9 16.3





#11
Acenaphthene
Concen: 0.489 ng/ul
RT: 14.632 min Scan# 2481
Delta R.T. -0.009 min
Lab File: BM040550.D
Acq: 02 Jul 2023 21:54

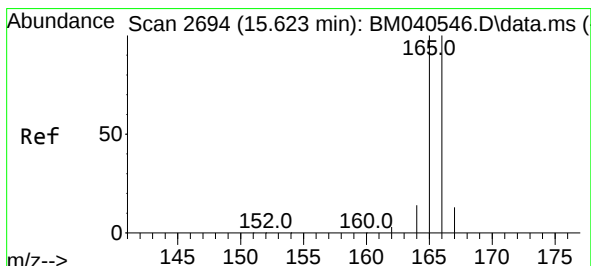
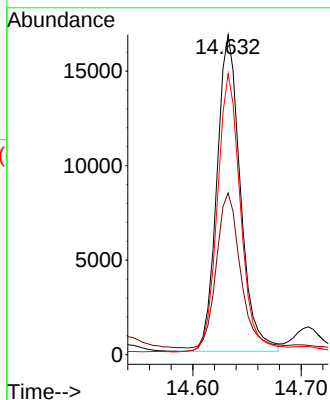
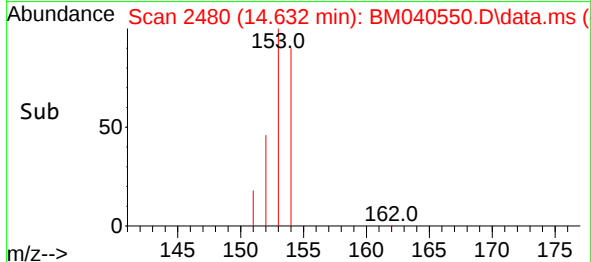
Instrument :
BNA_M
ClientSampleId :
DCGD6



Tgt Ion:153 Resp: 25234
Ion Ratio Lower Upper
153 100
152 50.5 41.0 61.4
154 87.8 70.8 106.2

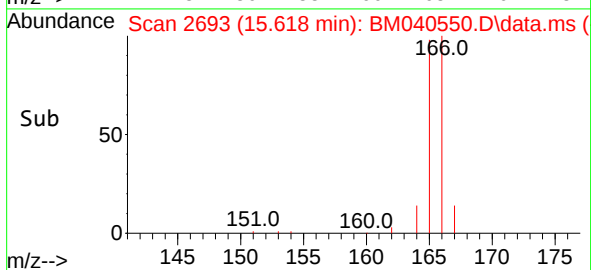
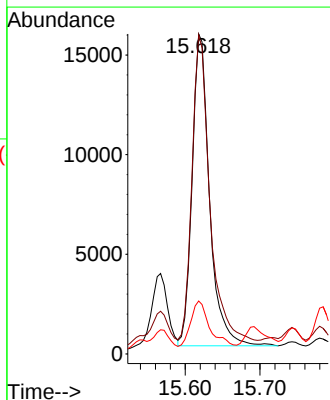
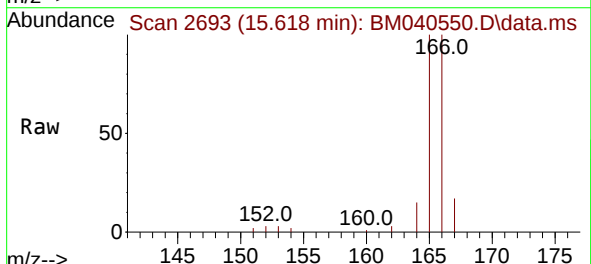
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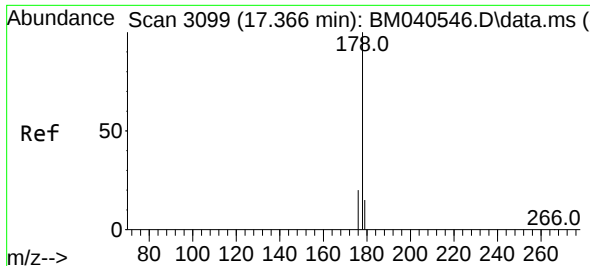
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023



#12
Fluorene
Concen: 0.459 ng/ul
RT: 15.618 min Scan# 2693
Delta R.T. -0.014 min
Lab File: BM040550.D
Acq: 02 Jul 2023 21:54

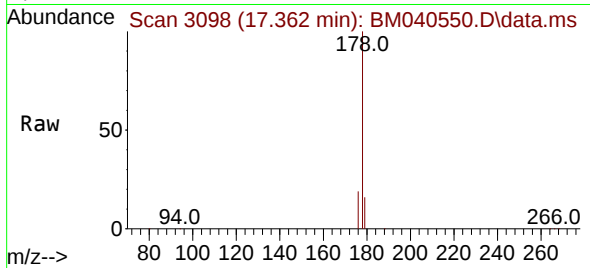
Tgt Ion:166 Resp: 25291
Ion Ratio Lower Upper
166 100
165 99.7 79.6 119.4
167 16.5 11.4 17.0





#15
Phenanthrene
Concen: 7.565 ng/uI
RT: 17.362 min Scan# 3099
Delta R.T. -0.008 min
Lab File: BM040550.D
Acq: 02 Jul 2023 21:54

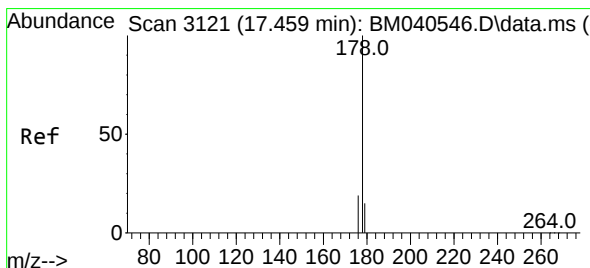
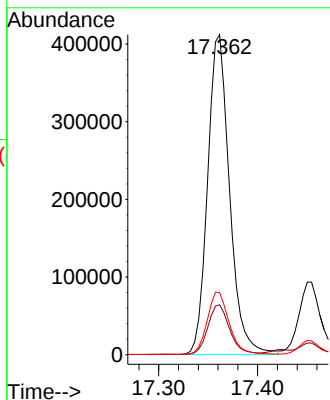
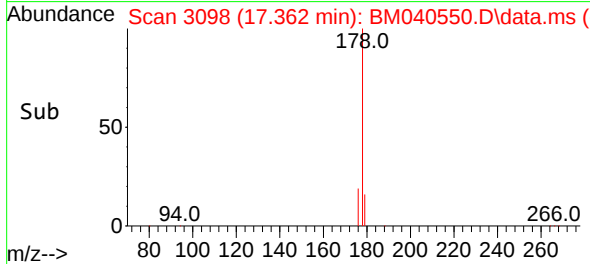
Instrument :
BNA_M
ClientSampleId :
DCGD6



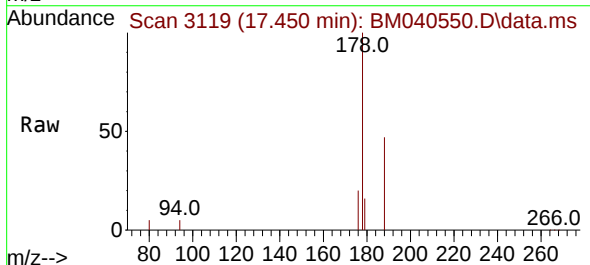
Tgt Ion:178 Resp: 63372
Ion Ratio Lower Upper
178 100
179 15.6 12.8 19.2
176 19.4 16.4 24.6

Manual Integrations
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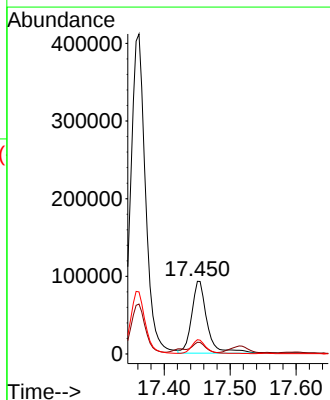
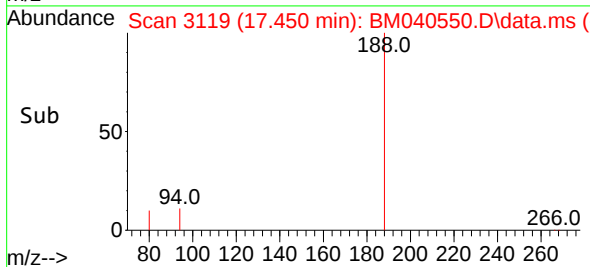
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023

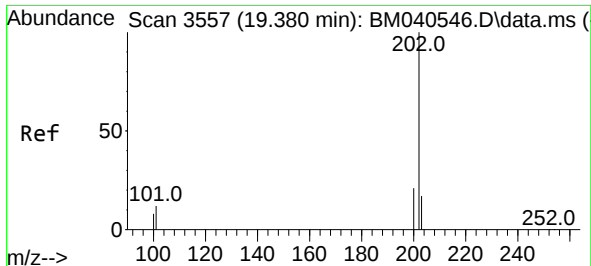


#16
Anthracene
Concen: 2.144 ng/uI
RT: 17.450 min Scan# 3119
Delta R.T. -0.013 min
Lab File: BM040550.D
Acq: 02 Jul 2023 21:54



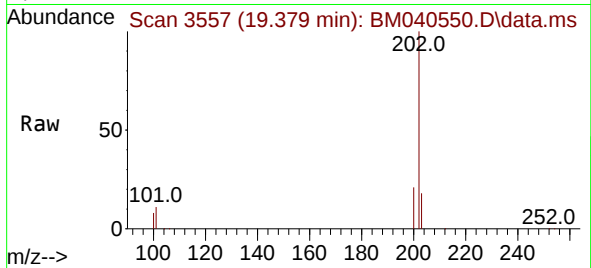
Tgt Ion:178 Resp: 150948
Ion Ratio Lower Upper
178 100
179 16.0 12.9 19.3
176 19.6 15.8 23.6





#19
Fluoranthene
Concen: 22.529 ng/ul
RT: 19.379 min Scan# 3557
Delta R.T. -0.005 min
Lab File: BM040550.D
Acq: 02 Jul 2023 21:54

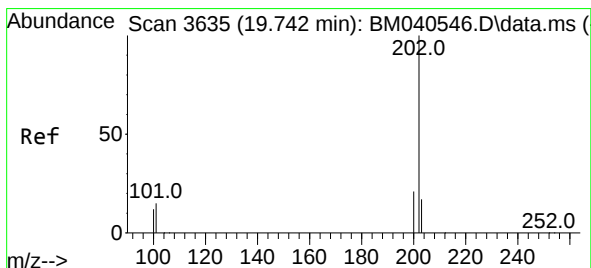
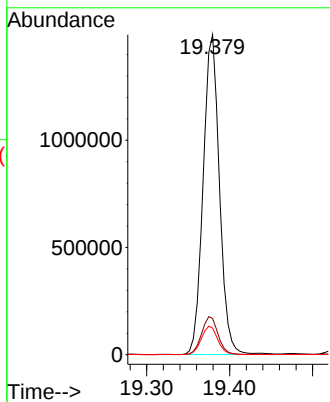
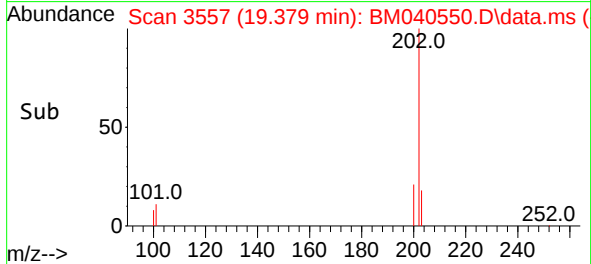
Instrument :
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DCGD6



Tgt Ion:202 Resp: 204314
Ion Ratio Lower Upper
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101 11.3 11.4 17.0
100 8.3 8.7 13.1

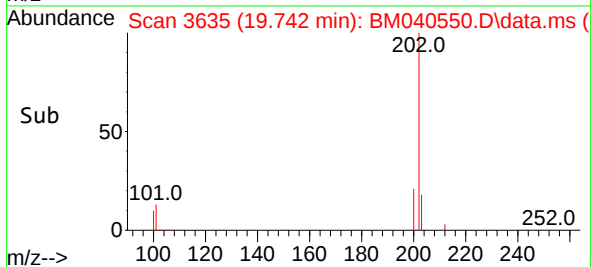
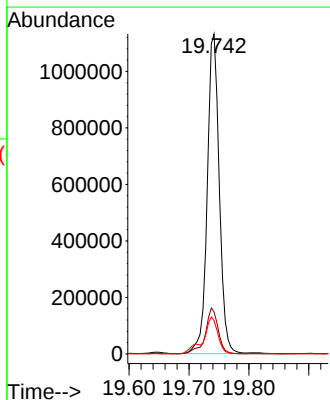
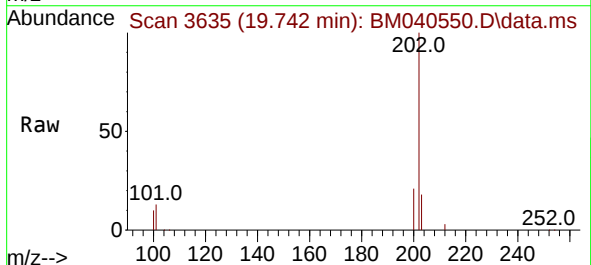
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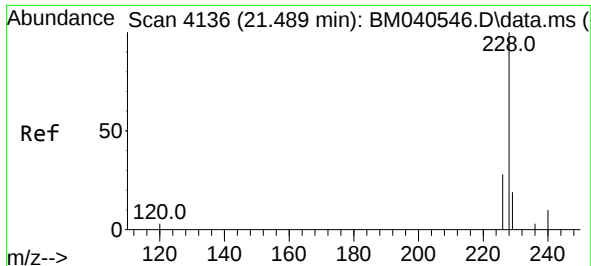
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023



#20
Pyrene
Concen: 16.260 ng/ul
RT: 19.742 min Scan# 3635
Delta R.T. -0.005 min
Lab File: BM040550.D
Acq: 02 Jul 2023 21:54

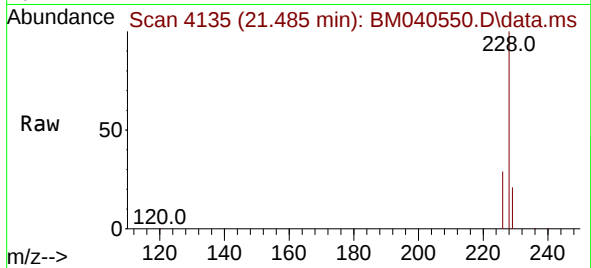
Tgt Ion:202 Resp: 1580930
Ion Ratio Lower Upper
202 100
101 13.1 12.6 18.8
100 10.4 9.8 14.6





#21
Benzo(a)anthracene
Concen: 13.193 ng/ul
RT: 21.485 min Scan# 4135
Delta R.T. -0.006 min
Lab File: BM040550.D
Acq: 02 Jul 2023 21:54

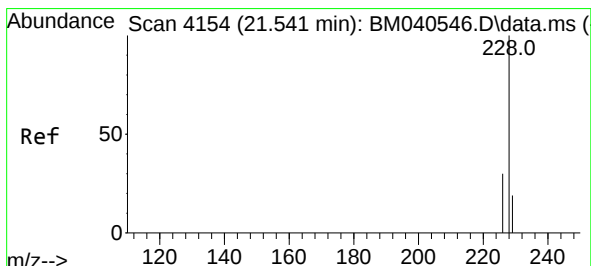
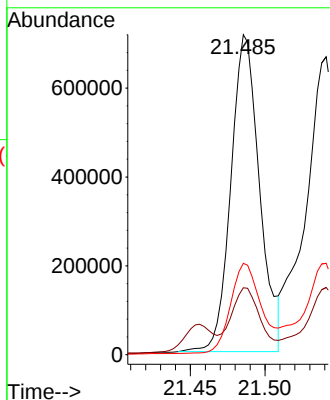
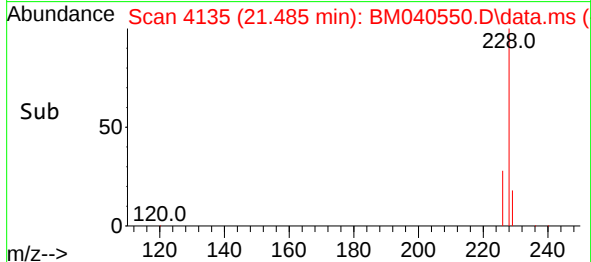
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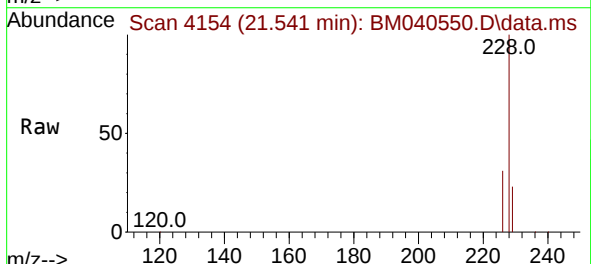
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Ion Ratio Lower Upper
228 100
229 20.9 16.0 24.0
226 28.5 22.3 33.5

Manual Integrations
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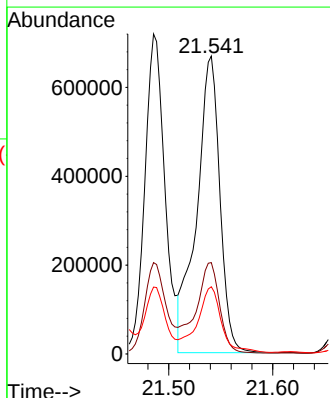
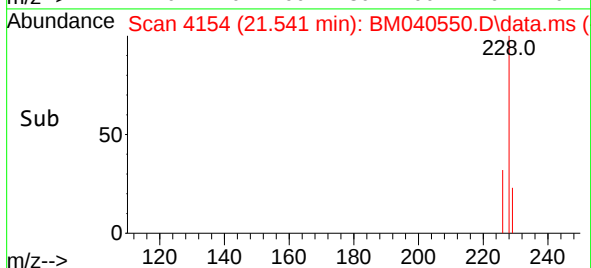
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023

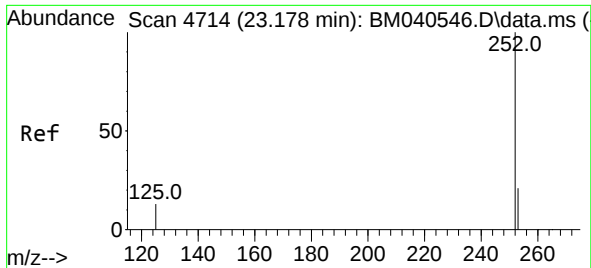


#22
Chrysene
Concen: 12.581 ng/ul
RT: 21.541 min Scan# 4154
Delta R.T. -0.003 min
Lab File: BM040550.D
Acq: 02 Jul 2023 21:54



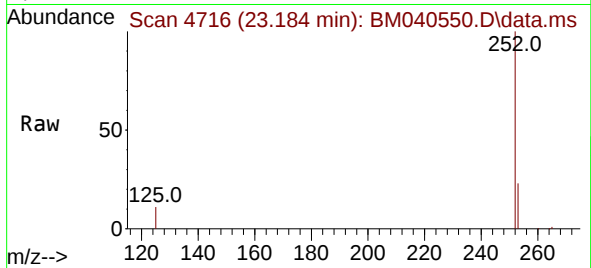
Tgt Ion:228 Resp: 1036413
Ion Ratio Lower Upper
228 100
226 30.7 24.9 37.3
229 22.6 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 22.127 ng/ul
RT: 23.184 min Scan# 4716
Delta R.T. 0.003 min
Lab File: BM040550.D
Acq: 02 Jul 2023 21:54

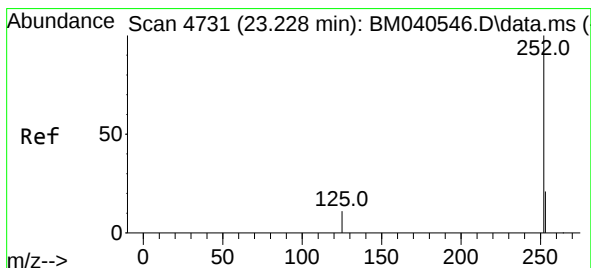
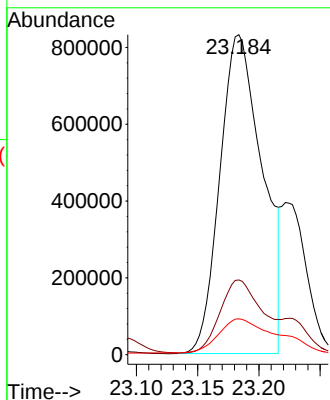
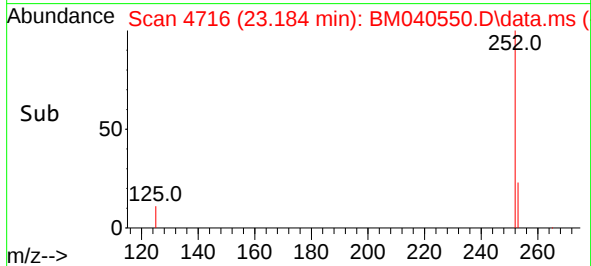
Instrument :
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DCGD6



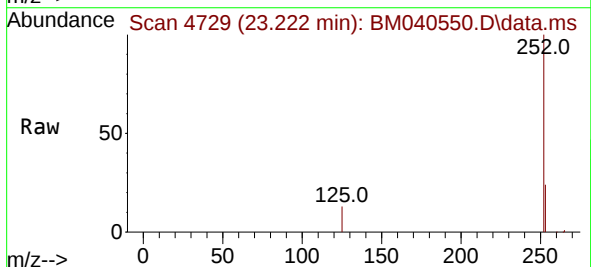
Tgt Ion:252 Resp: 2008370
Ion Ratio Lower Upper
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253 23.3 0.0 52.8
125 11.2 0.0 43.0

Manual Integrations
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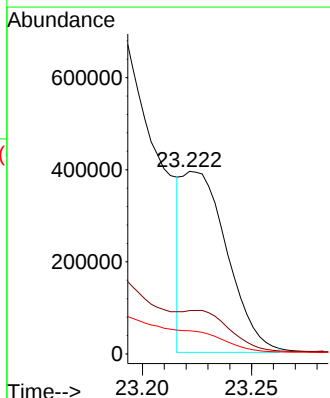
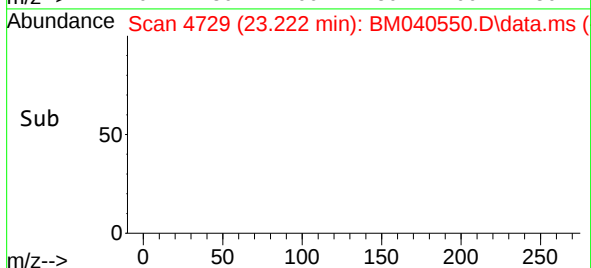
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023

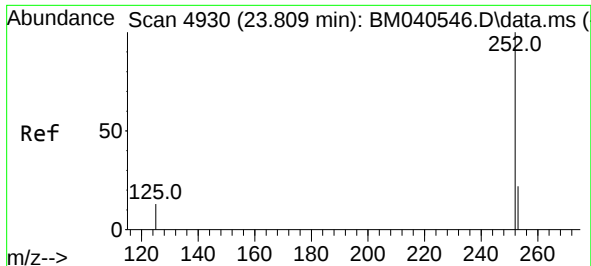


#25
Benzo(k)fluoranthene
Concen: 6.309 ng/ul m
RT: 23.222 min Scan# 4729
Delta R.T. -0.006 min
Lab File: BM040550.D
Acq: 02 Jul 2023 21:54



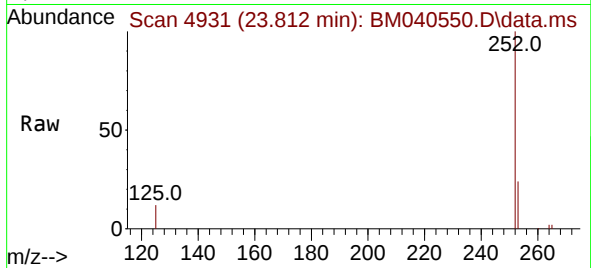
Tgt Ion:252 Resp: 564390
Ion Ratio Lower Upper
252 100
253 23.8 21.2 31.8
125 12.7 16.4 24.6#





#26
Benzo(a)pyrene
Concen: 14.200 ng/ul
RT: 23.812 min Scan# 4931
Delta R.T. 0.000 min
Lab File: BM040550.D
Acq: 02 Jul 2023 21:54

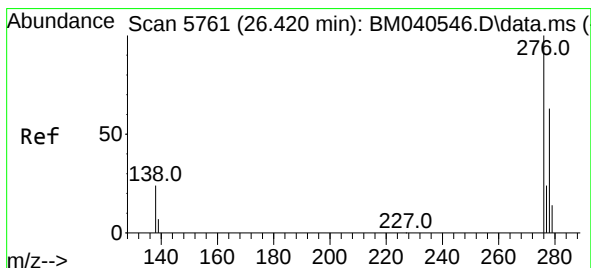
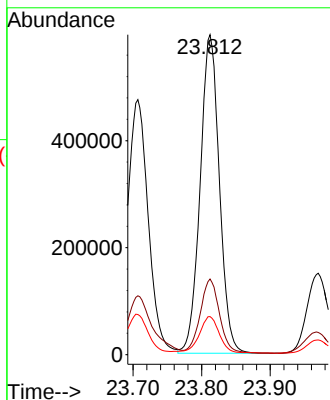
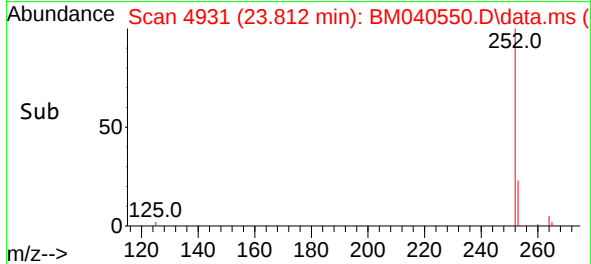
Instrument :
BNA_M
ClientSampleId :
DCGD6



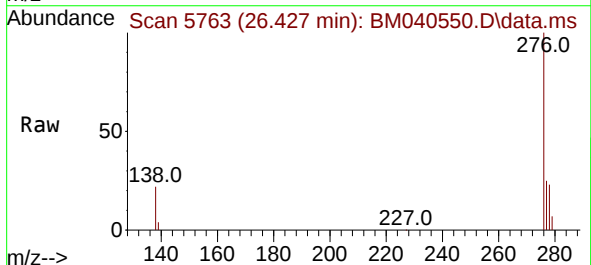
Tgt Ion:252 Resp: 116096
Ion Ratio Lower Upper
252 100
253 23.7 22.9 34.3
125 11.9 21.0 31.4

Manual Integrations
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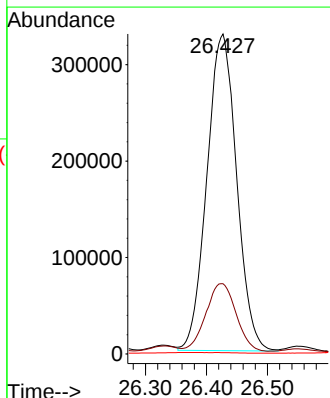
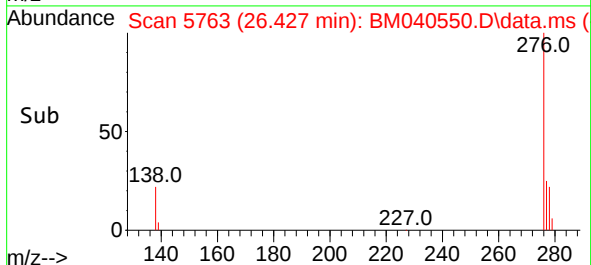
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023

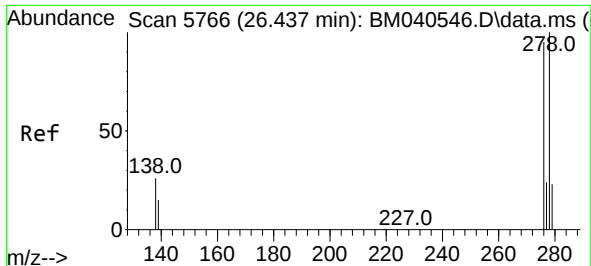


#27
Indeno(1,2,3-cd)pyrene
Concen: 9.775 ng/ul
RT: 26.427 min Scan# 5763
Delta R.T. 0.007 min
Lab File: BM040550.D
Acq: 02 Jul 2023 21:54



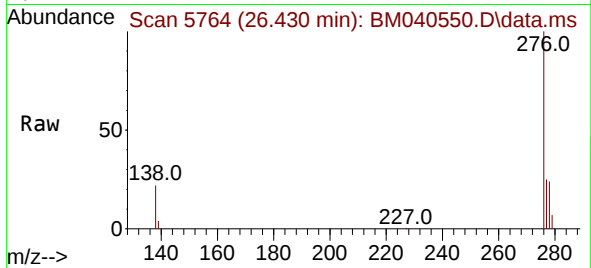
Tgt Ion:276 Resp: 1113014
Ion Ratio Lower Upper
276 100
138 21.7 24.5 36.7#
227 0.0 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 3.062 ng/ul
RT: 26.430 min Scan# 5766
Delta R.T. -0.007 min
Lab File: BM040550.D
Acq: 02 Jul 2023 21:54

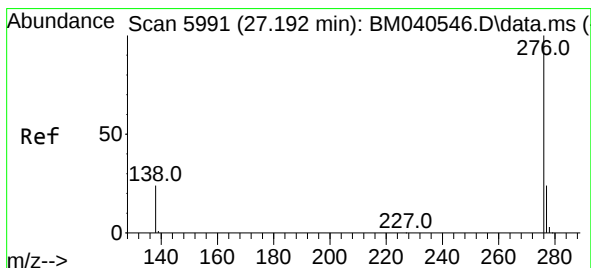
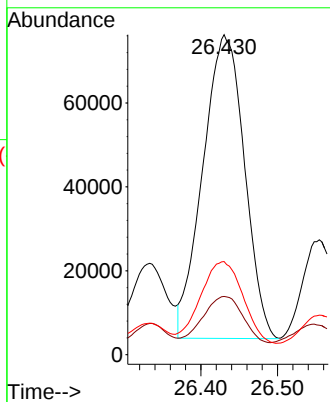
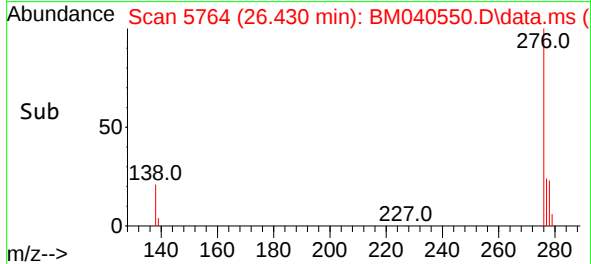
Instrument :
BNA_M
ClientSampleId :
DCGD6



Tgt Ion:278 Resp: 272990
Ion Ratio Lower Upper
278 100
139 18.2 17.9 26.9
279 29.1 22.0 33.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023



#29
Benzo(g,h,i)perylene
Concen: 10.448 ng/ul
RT: 27.202 min Scan# 5994
Delta R.T. 0.017 min
Lab File: BM040550.D
Acq: 02 Jul 2023 21:54

Tgt Ion:276 Resp: 1042694
Ion Ratio Lower Upper
276 100
138 22.6 23.0 34.6#
277 24.3 20.3 30.5

