

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070123\  
 Data File : BM040539.D  
 Acq On : 02 Jul 2023 14:25  
 Operator : MA/JU  
 Sample : 03243-08  
 Misc :  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCGC8

Manual Integrations  
 APPROVED

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

Quant Time: Jul 03 02:17:03 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	7021	0.400	ng/ul	0.00
4) Naphthalene-d8	10.734	136	26430	0.400	ng/ul	#-0.01
9) Acenaphthene-d10	14.573	164	13562	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.320	188	26819	0.400	ng/ul	0.00
17) Chrysene-d12	21.506	240	16572	0.400	ng/ul	0.00
23) Perylene-d12	23.918	264	17124	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.321	96	31151	2.825	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.329	152	7832	0.211	ng/ul	0.00
18) Fluoranthene-d10	19.347	212	13418	0.253	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.789	128	3297	0.045	ng/ul#	83
7) 2-Methylnaphthalene	12.400	142	2381	0.056	ng/ul	97
8) 1-Methylnaphthalene	12.620	142	1644	0.038	ng/ul	98
10) Acenaphthylene	14.295	152	3705	0.061	ng/ul#	88
11) Acenaphthene	14.633	153	1252	0.024	ng/ul	95
12) Fluorene	15.623	166	1214	0.022	ng/ul#	91
15) Phenanthrene	17.362	178	27232	0.327	ng/ul	100
16) Anthracene	17.450	178	3930	0.056	ng/ul#	86
19) Fluoranthene	19.380	202	77718	1.104	ng/ul	95
20) Pyrene	19.742	202	63388	0.840	ng/ul	99
21) Benzo(a)anthracene	21.488	228	34382	0.613	ng/ul	96
22) Chrysene	21.541	228	42747	0.669	ng/ul	98
24) Benzo(b)fluoranthene	23.181	252	62717	0.946	ng/ul	100
25) Benzo(k)fluoranthene	23.222	252	19956m	0.306	ng/ul	
26) Benzo(a)pyrene	23.809	252	40326	0.676	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.417	276	37889	0.456	ng/ul#	84
28) Dibenzo(a,h)anthracene	26.427	278	8842	0.136	ng/ul#	64
29) Benzo(g,h,i)perylene	27.192	276	34305	0.471	ng/ul	98

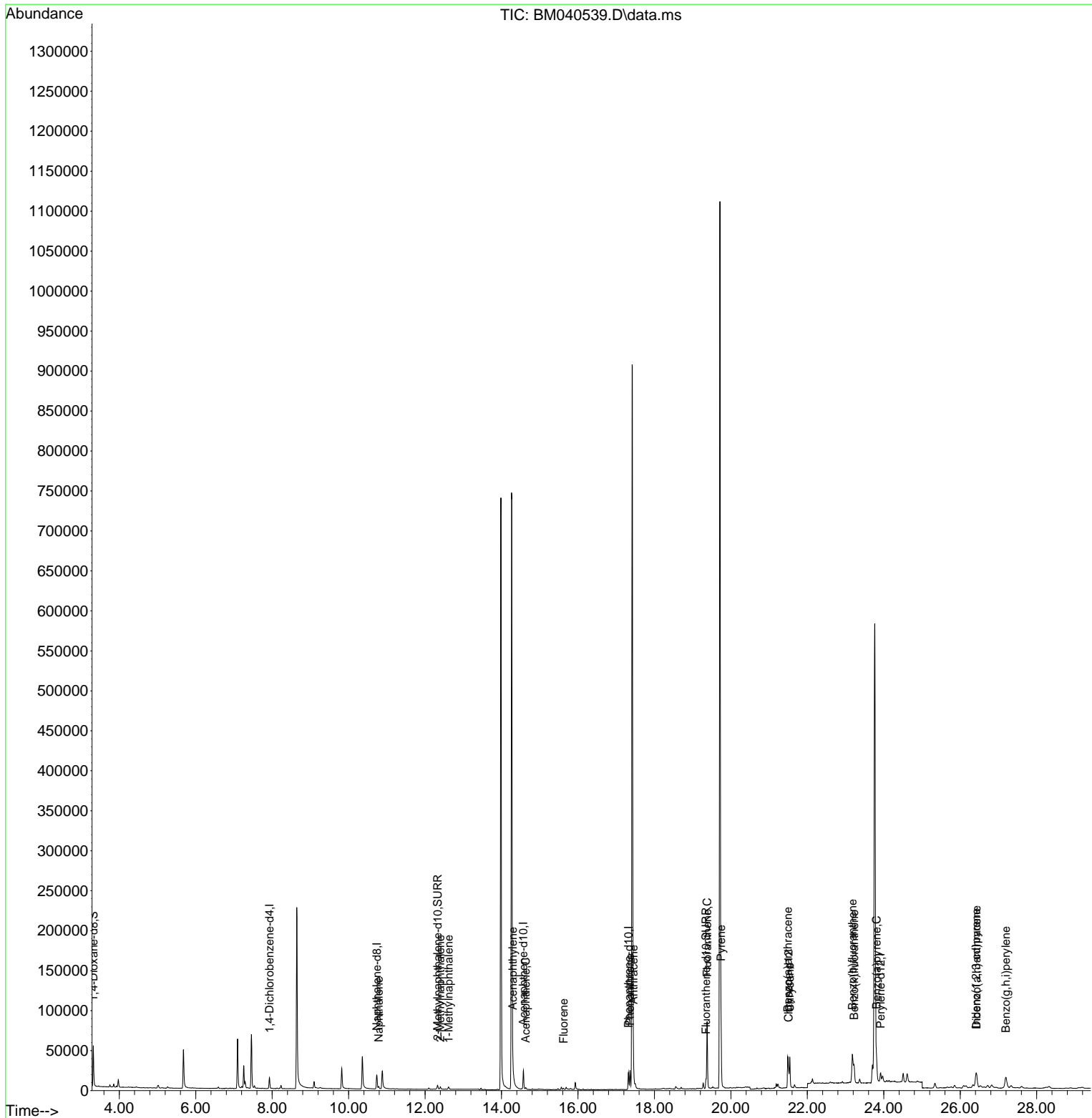
(#) = qualifier out of range (m) = manual integration (+) = signals summed

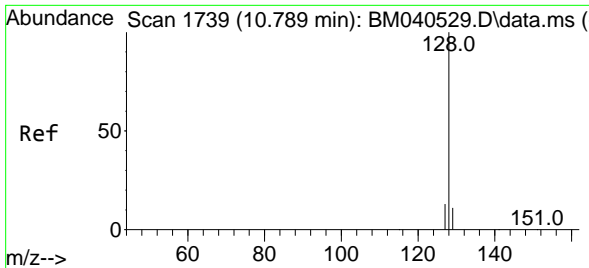
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070123\  
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 Reviewed By :Yogesh Patel 07/03/2023  
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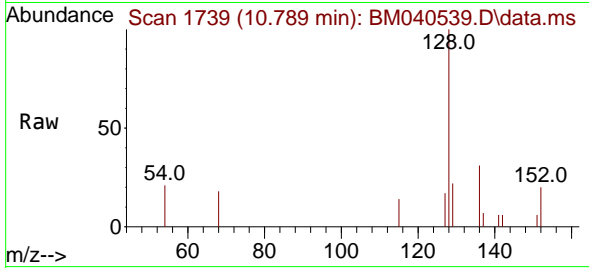
#5  
 Naphthalene  
 Concen: 0.045 ng/u1  
 RT: 10.789 min Scan# 1739  
 Delta R.T. -0.005 min  
 Lab File: BM040539.D  
 Acq: 02 Jul 2023 14:25

Instrument :

BNA\_M

ClientSampleId :

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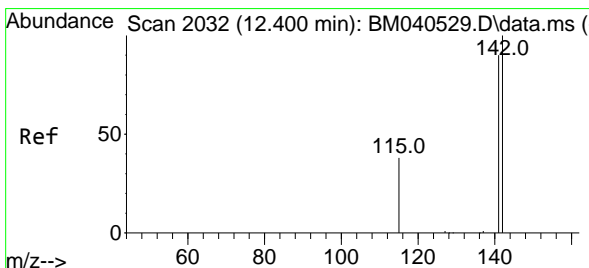
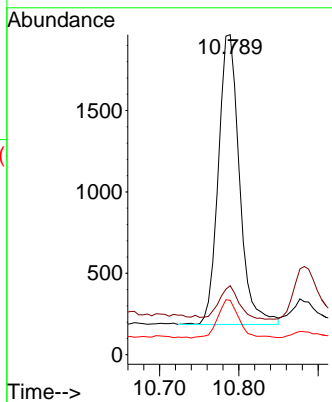
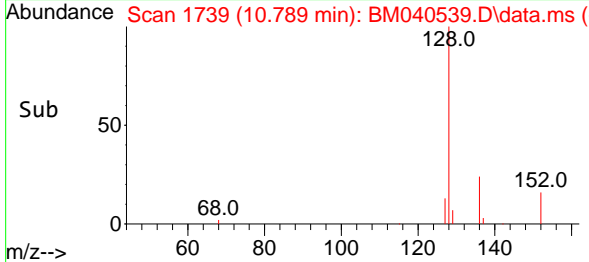
Tgt Ion:128 Resp: 329  
 Ion Ratio Lower Upper  
 128 100  
 129 21.6 9.2 13.8  
 127 17.0 10.6 15.8

Manual Integrations

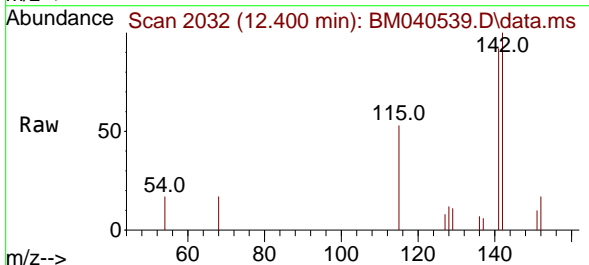
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Reviewed By :Yogesh Patel 07/03/2023

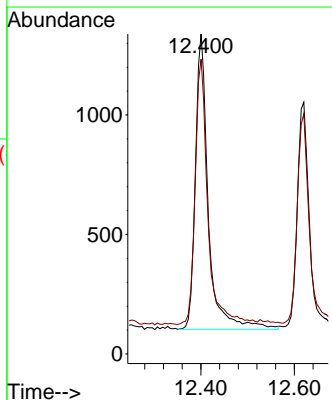
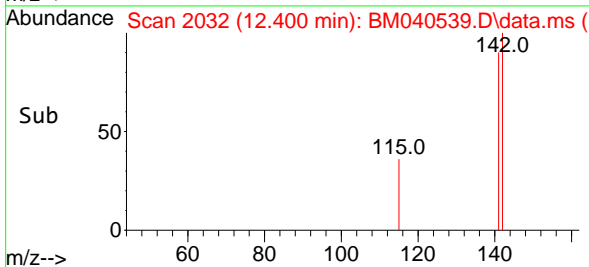
Supervised By :mohammad ahmed 07/03/2023

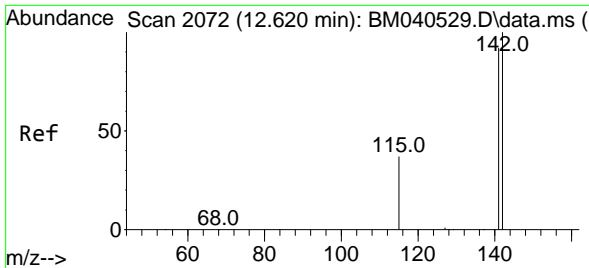


#7  
 2-Methylnaphthalene  
 Concen: 0.056 ng/u1  
 RT: 12.400 min Scan# 2032  
 Delta R.T. -0.005 min  
 Lab File: BM040539.D  
 Acq: 02 Jul 2023 14:25



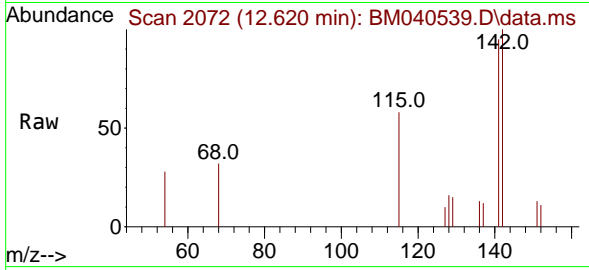
Tgt Ion:142 Resp: 2381  
 Ion Ratio Lower Upper  
 142 100  
 141 87.4 71.9 107.9





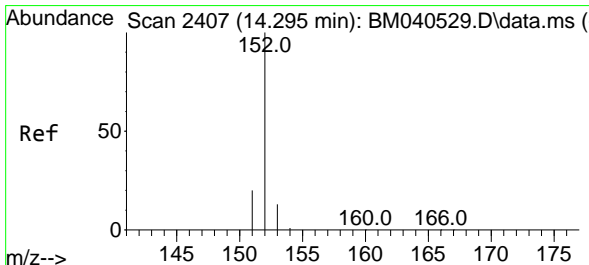
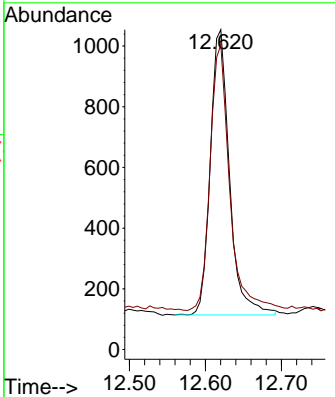
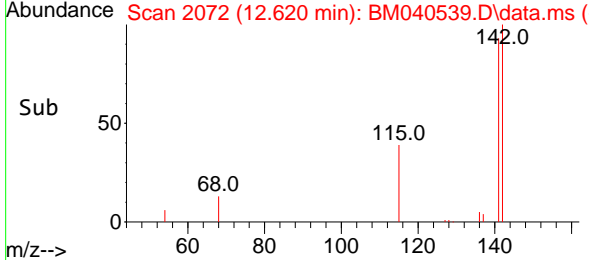
#8  
 1-Methylnaphthalene  
 Concen: 0.038 ng/u1  
 RT: 12.620 min Scan# 2072  
 Delta R.T. -0.005 min  
 Lab File: BM040539.D  
 Acq: 02 Jul 2023 14:25

Instrument : BNA\_M  
 ClientSampleId : DCGC8

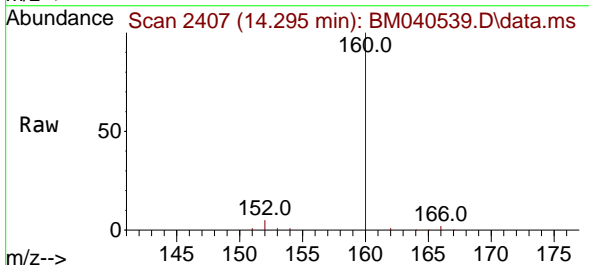


Tgt Ion:142 Resp: 1644  
 Ion Ratio Lower Upper  
 142 100  
 141 94.3 73.7 110.5

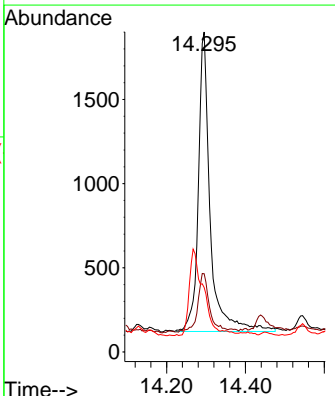
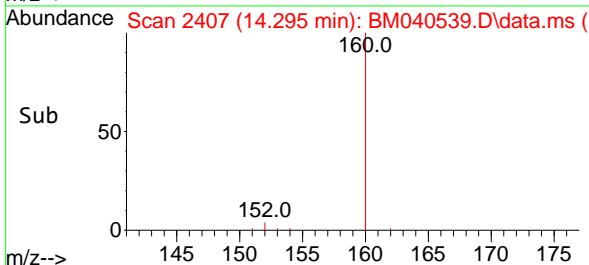
Manual Integrations  
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 Reviewed By :Yogesh Patel 07/03/2023  
 Supervised By :mohammad ahmed 07/03/2023

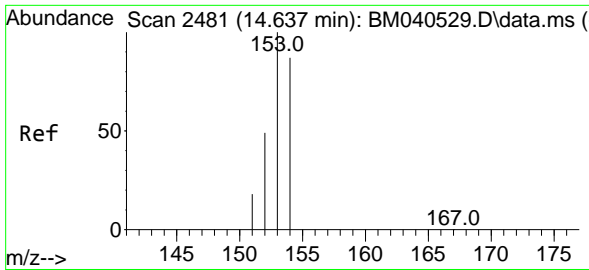


#10  
 Acenaphthylene  
 Concen: 0.061 ng/u1  
 RT: 14.295 min Scan# 2407  
 Delta R.T. -0.004 min  
 Lab File: BM040539.D  
 Acq: 02 Jul 2023 14:25



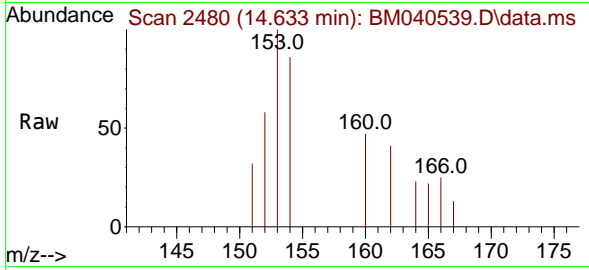
Tgt Ion:152 Resp: 3705  
 Ion Ratio Lower Upper  
 152 100  
 151 24.5 16.2 24.2#  
 153 20.1 10.9 16.3#





#11  
 Acenaphthene  
 Concen: 0.024 ng/u1  
 RT: 14.633 min Scan# 2481  
 Delta R.T. -0.009 min  
 Lab File: BM040539.D  
 Acq: 02 Jul 2023 14:25

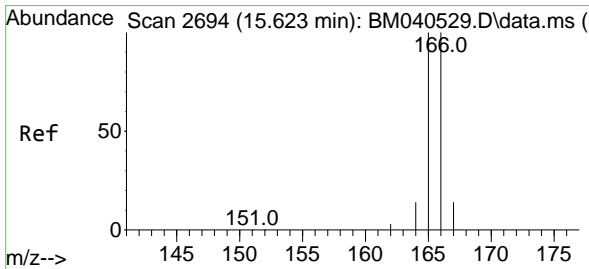
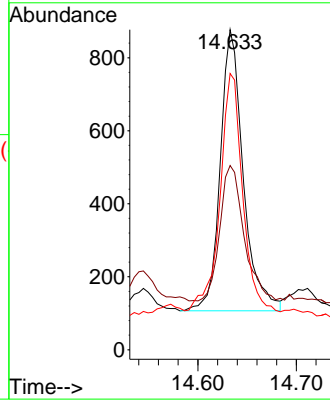
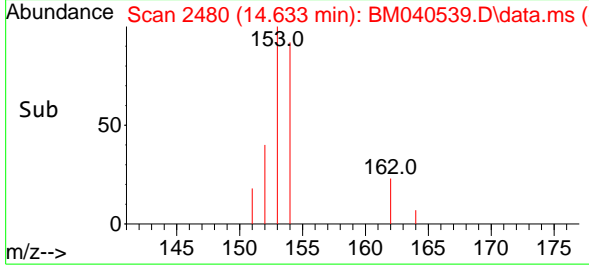
Instrument : BNA\_M  
 ClientSampleId : DCGC8



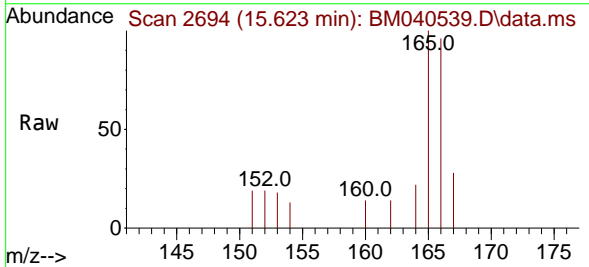
Tgt Ion:153 Resp: 125  
 Ion Ratio Lower Upper  
 153 100  
 152 57.6 41.0 61.4  
 154 86.3 70.8 106.2

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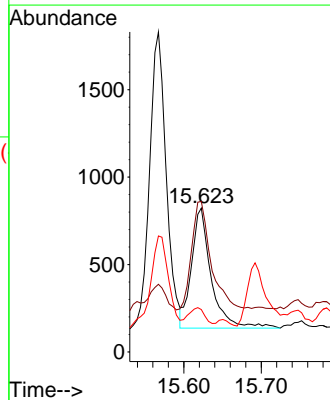
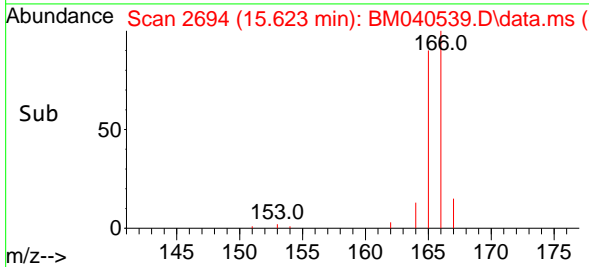
Reviewed By :Yogesh Patel 07/03/2023  
 Supervised By :mohammad ahmed 07/03/2023

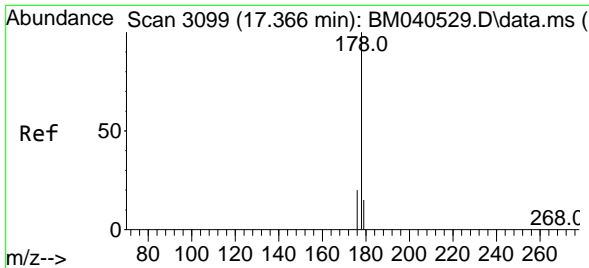


#12  
 Fluorene  
 Concen: 0.022 ng/u1  
 RT: 15.623 min Scan# 2694  
 Delta R.T. -0.009 min  
 Lab File: BM040539.D  
 Acq: 02 Jul 2023 14:25



Tgt Ion:166 Resp: 1214  
 Ion Ratio Lower Upper  
 166 100  
 165 104.6 79.6 119.4  
 167 29.4 11.4 17.0#





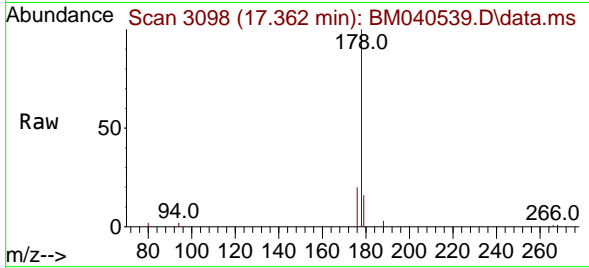
#15  
 Phenanthrene  
 Concen: 0.327 ng/uI  
 RT: 17.362 min Scan# 3099  
 Delta R.T. -0.008 min  
 Lab File: BM040539.D  
 Acq: 02 Jul 2023 14:25

Instrument :

BNA\_M

ClientSampleId :

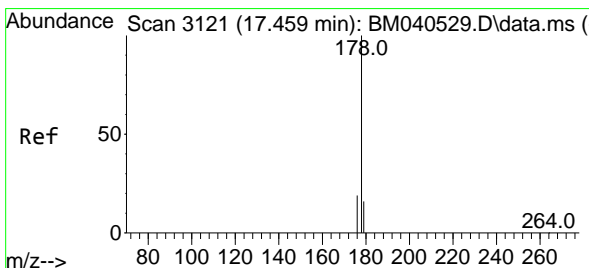
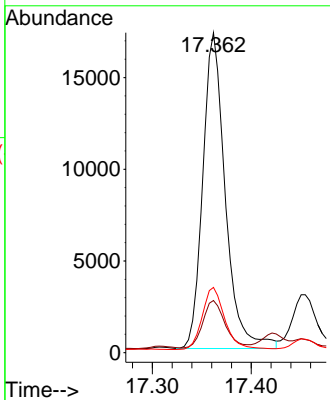
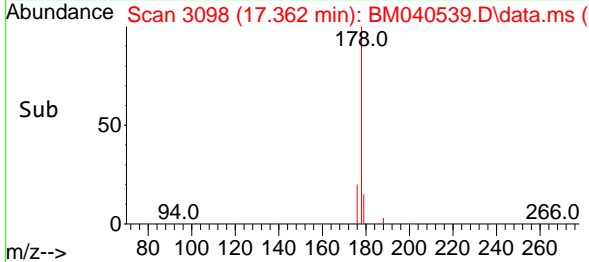
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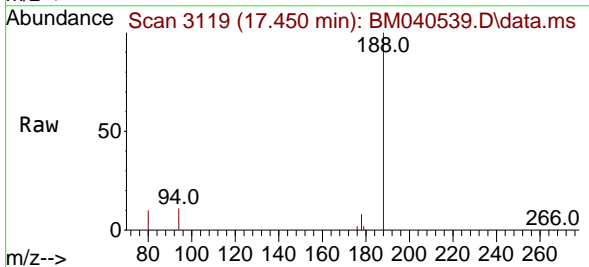
Tgt Ion:178 Resp: 2723  
 Ion Ratio Lower Upper  
 178 100  
 179 16.3 12.8 19.2  
 176 20.4 16.4 24.6

Manual Integrations  
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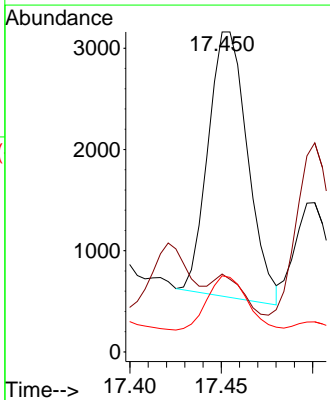
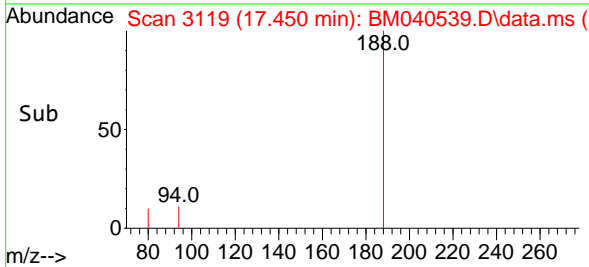
Reviewed By :Yogesh Patel 07/03/2023  
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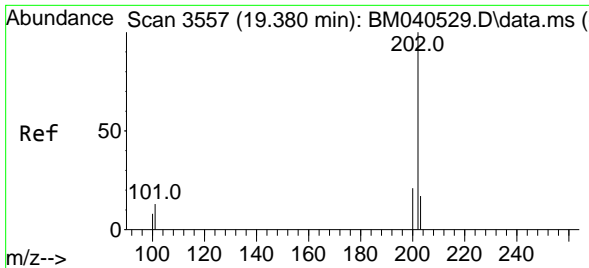


#16  
 Anthracene  
 Concen: 0.056 ng/uI  
 RT: 17.450 min Scan# 3119  
 Delta R.T. -0.012 min  
 Lab File: BM040539.D  
 Acq: 02 Jul 2023 14:25



Tgt Ion:178 Resp: 3930  
 Ion Ratio Lower Upper  
 178 100  
 179 24.3 12.9 19.3#  
 176 23.8 15.8 23.6#





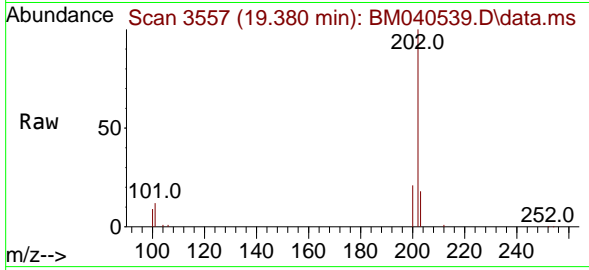
#19  
 Fluoranthene  
 Concen: 1.104 ng/u1  
 RT: 19.380 min Scan# 3557  
 Delta R.T. -0.004 min  
 Lab File: BM040539.D  
 Acq: 02 Jul 2023 14:25

Instrument :

BNA\_M

ClientSampleId :

DCGC8



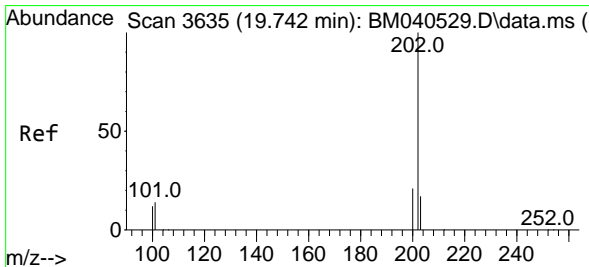
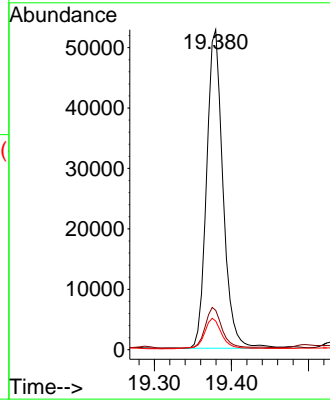
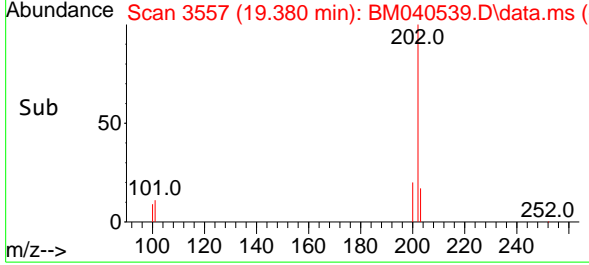
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 Ion Ratio Lower Upper  
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 101 12.3 11.4 17.0  
 100 9.0 8.7 13.1

Manual Integrations

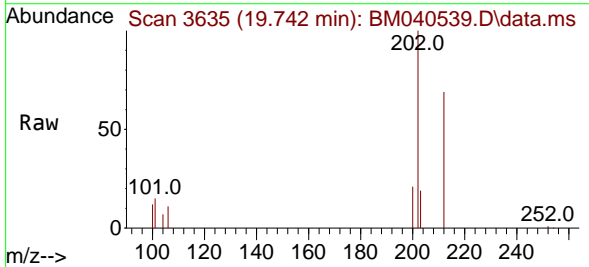
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Reviewed By :Yogesh Patel 07/03/2023

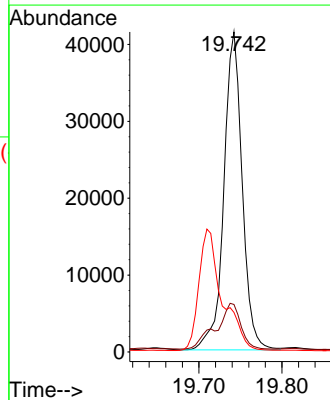
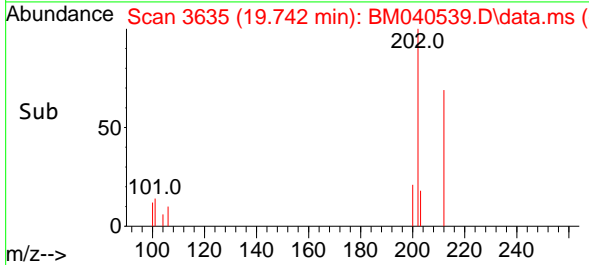
Supervised By :mohammad ahmed 07/03/2023

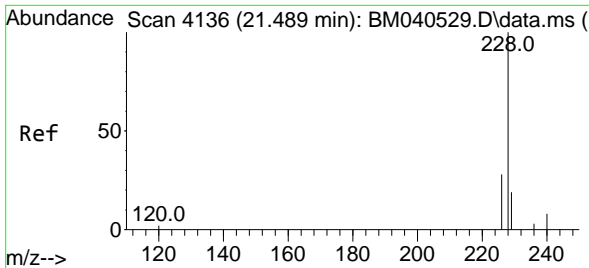


#20  
 Pyrene  
 Concen: 0.840 ng/u1  
 RT: 19.742 min Scan# 3635  
 Delta R.T. -0.004 min  
 Lab File: BM040539.D  
 Acq: 02 Jul 2023 14:25



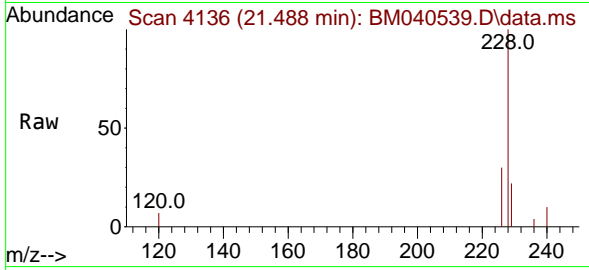
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 Ion Ratio Lower Upper  
 202 100  
 101 14.8 12.6 18.8  
 100 12.3 9.8 14.6





#21  
 Benzo(a)anthracene  
 Concen: 0.613 ng/u1  
 RT: 21.488 min Scan# 4136  
 Delta R.T. -0.003 min  
 Lab File: BM040539.D  
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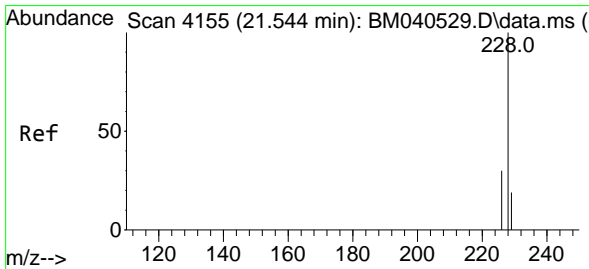
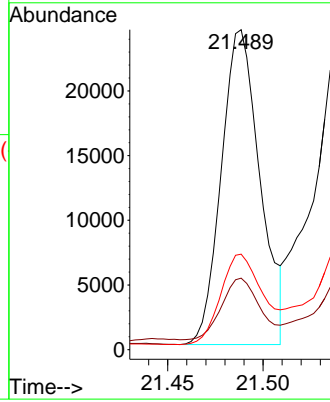
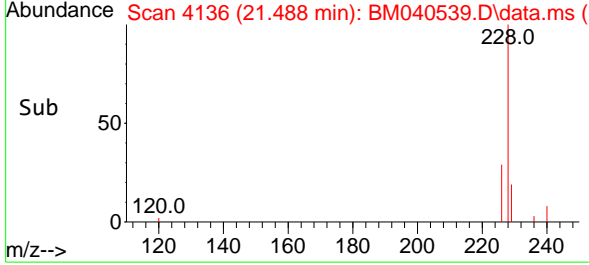
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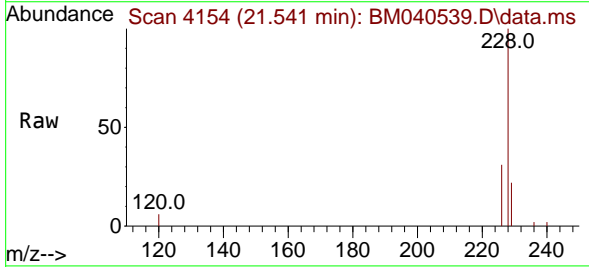
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 Ion Ratio Lower Upper  
 228 100  
 229 22.3 16.0 24.0  
 226 29.9 22.3 33.5

Manual Integrations  
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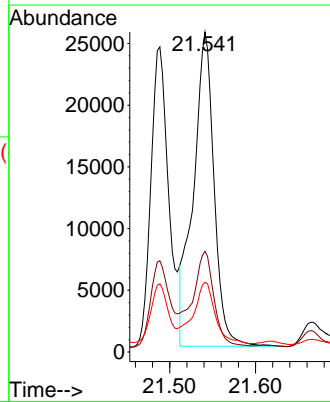
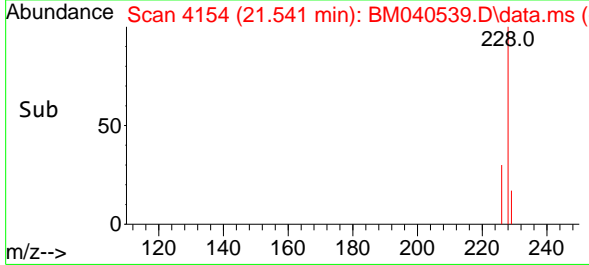
Reviewed By :Yogesh Patel 07/03/2023  
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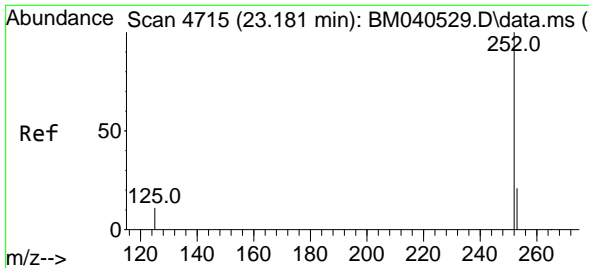
#22  
 Chrysene  
 Concen: 0.669 ng/u1  
 RT: 21.541 min Scan# 4154  
 Delta R.T. -0.003 min  
 Lab File: BM040539.D  
 Acq: 02 Jul 2023 14:25



Tgt Ion:228 Resp: 42747  
 Ion Ratio Lower Upper  
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 226 31.5 24.9 37.3  
 229 21.7 15.8 23.6

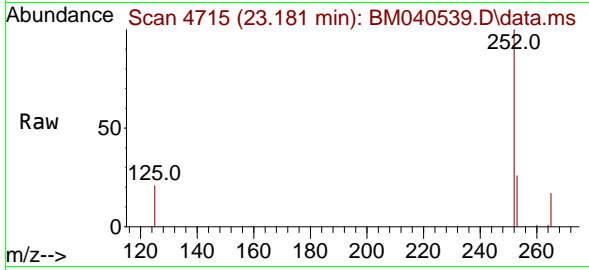






#24  
 Benzo(b)fluoranthene  
 Concen: 0.946 ng/ul  
 RT: 23.181 min Scan# 4715  
 Delta R.T. 0.000 min  
 Lab File: BM040539.D  
 Acq: 02 Jul 2023 14:25

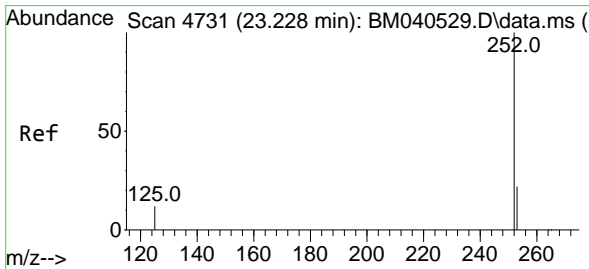
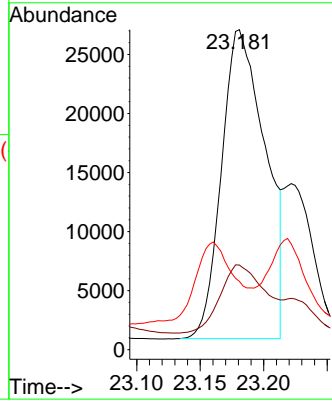
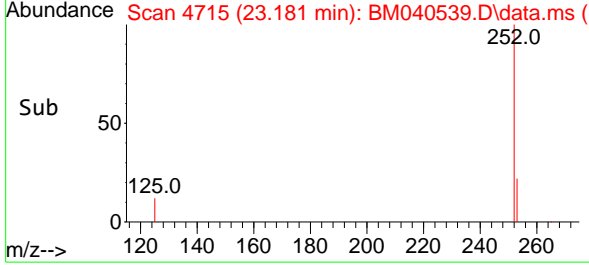
Instrument :  
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Tgt Ion:252 Resp: 6271  
 Ion Ratio Lower Upper  
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 253 26.5 0.0 52.8  
 125 21.4 0.0 43.0

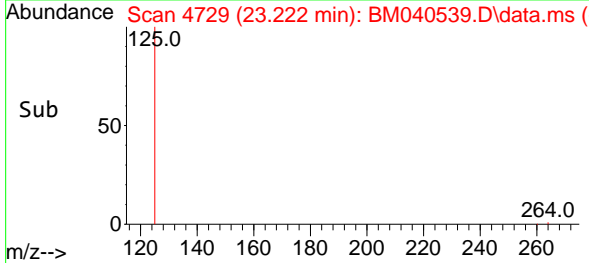
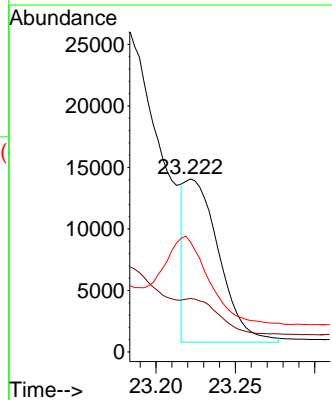
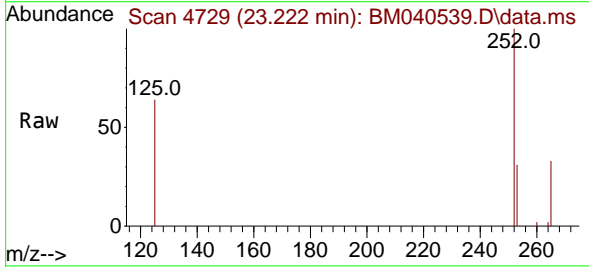
Manual Integrations  
 APPROVED

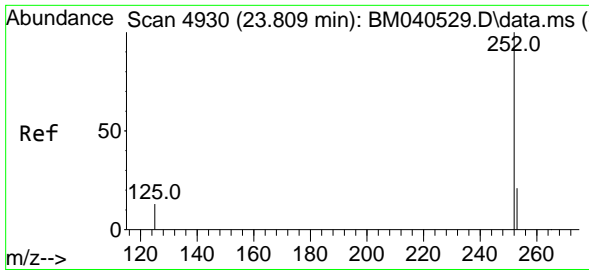
Reviewed By :Yogesh Patel 07/03/2023  
 Supervised By :mohammad ahmed 07/03/2023



#25  
 Benzo(k)fluoranthene  
 Concen: 0.306 ng/ul m  
 RT: 23.222 min Scan# 4729  
 Delta R.T. -0.006 min  
 Lab File: BM040539.D  
 Acq: 02 Jul 2023 14:25

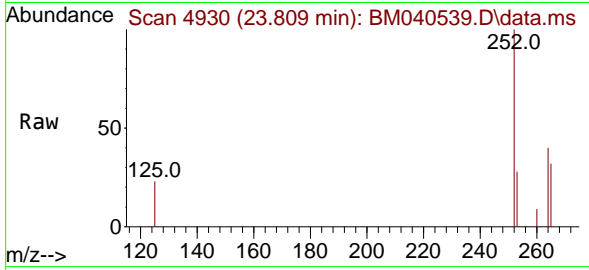
Tgt Ion:252 Resp: 19956  
 Ion Ratio Lower Upper  
 252 100  
 253 30.9 21.2 31.8  
 125 63.6 16.4 24.6#





#26  
 Benzo(a)pyrene  
 Concen: 0.676 ng/u1  
 RT: 23.809 min Scan# 4930  
 Delta R.T. -0.003 min  
 Lab File: BM040539.D  
 Acq: 02 Jul 2023 14:25

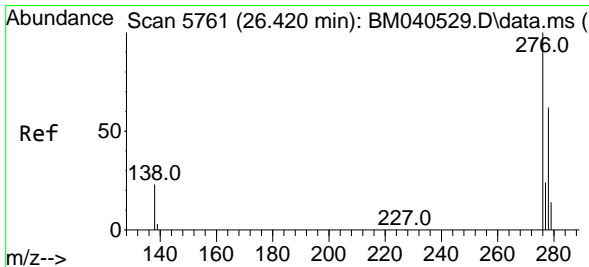
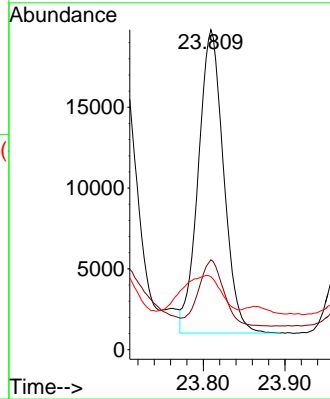
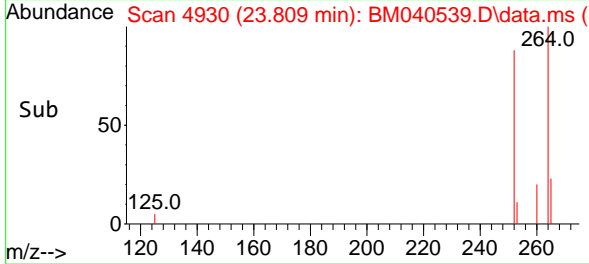
Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCGC8



Tgt Ion:252 Resp: 40320  
 Ion Ratio Lower Upper  
 252 100  
 253 28.1 22.9 34.3  
 125 22.8 21.0 31.4

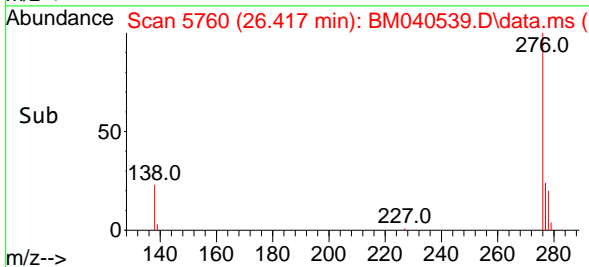
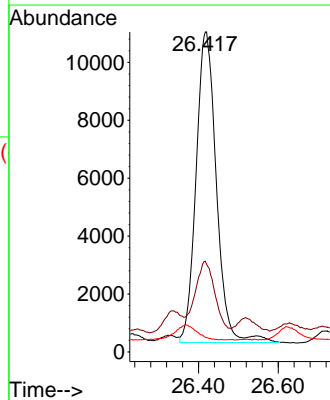
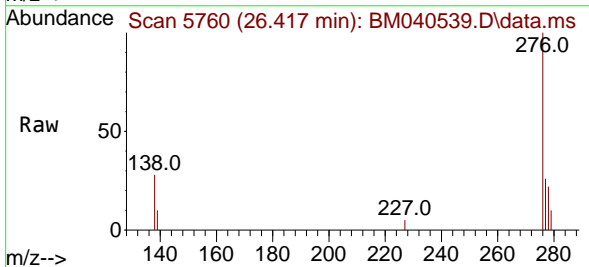
Manual Integrations  
**APPROVED**

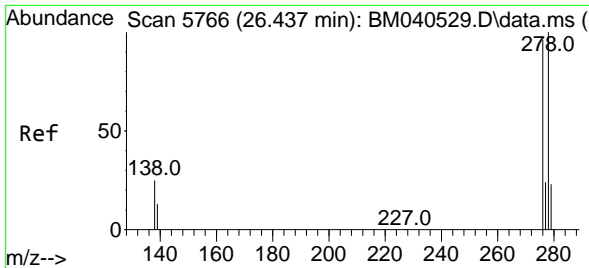
Reviewed By :Yogesh Patel 07/03/2023  
 Supervised By :mohammad ahmed 07/03/2023



#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.456 ng/u1  
 RT: 26.417 min Scan# 5760  
 Delta R.T. -0.003 min  
 Lab File: BM040539.D  
 Acq: 02 Jul 2023 14:25

Tgt Ion:276 Resp: 37889  
 Ion Ratio Lower Upper  
 276 100  
 138 21.7 24.5 36.7#  
 227 0.0 0.1 0.1#





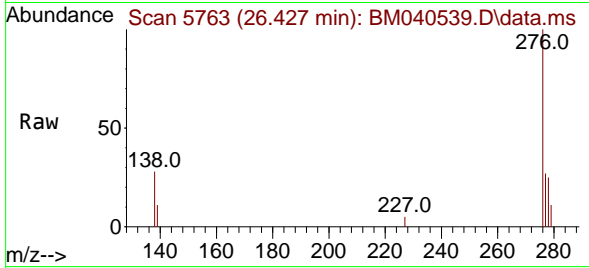
#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.136 ng/u1  
 RT: 26.427 min Scan# 51  
 Delta R.T. -0.010 min  
 Lab File: BM040539.D  
 Acq: 02 Jul 2023 14:25

Instrument :

BNA\_M

ClientSampleId :

DCGC8



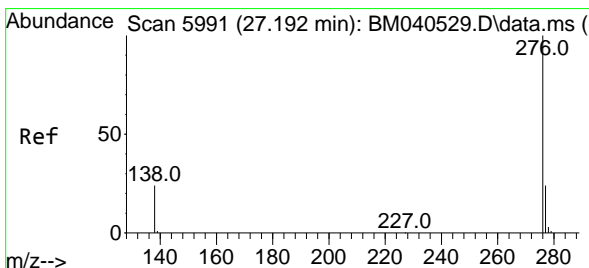
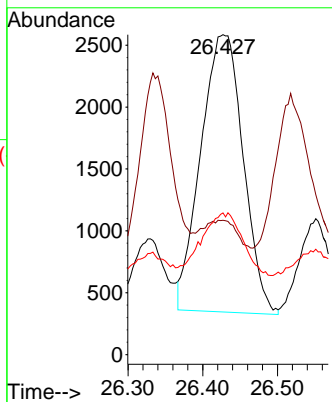
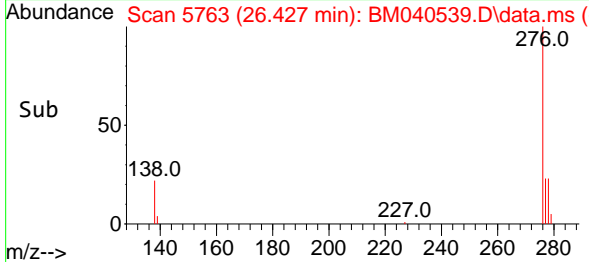
Tgt Ion:278 Resp: 884  
 Ion Ratio Lower Upper  
 278 100  
 139 42.0 17.9 26.9  
 279 44.3 22.0 33.0

Manual Integrations

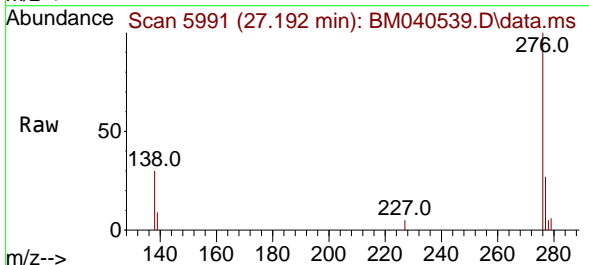
APPROVED

Reviewed By :Yogesh Patel 07/03/2023

Supervised By :mohammad ahmed 07/03/2023



#29  
 Benzo(g,h,i)perylene  
 Concen: 0.471 ng/u1  
 RT: 27.192 min Scan# 5991  
 Delta R.T. 0.007 min  
 Lab File: BM040539.D  
 Acq: 02 Jul 2023 14:25



Tgt Ion:276 Resp: 34305  
 Ion Ratio Lower Upper  
 276 100  
 138 29.6 23.0 34.6  
 277 26.8 20.3 30.5

