

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061824\  
 Data File : BM046080.D  
 Acq On : 19 Jun 2024 11:31  
 Operator : MA/JU  
 Sample : P2696-25DL 5X  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4BM6DL

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 06/19/2024  
 Supervised By :mohammad ahmed 06/21/2024

Quant Time: Jun 19 12:25:22 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 18 13:58:29 2024  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.438	152	1868	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.249	136	4864	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.100	164	2723	0.400	ng/ul	#-0.01
13) Phenanthrene-d10	16.837	188	5275	0.400	ng/ul	-0.02
17) Chrysene-d12	21.029	240	4438	0.400	ng/ul	-0.01
23) Perylene-d12	23.124	264	5142m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.042	96	2382	0.929	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.888	152	399	0.061	ng/ul	0.02
18) Fluoranthene-d10	18.867	212	930	0.070	ng/ul	-0.02
Target Compounds						
						Qvalue
5) Naphthalene	10.293	128	705	0.052	ng/ul#	57
7) 2-Methylnaphthalene	11.970	142	188	0.025	ng/ul#	77
10) Acenaphthylene	13.817	152	869	0.067	ng/ul#	74
11) Acenaphthene	14.160	153	596	0.064	ng/ul	92
12) Fluorene	15.150	166	726	0.073	ng/ul#	95
15) Phenanthrene	16.875	178	14806	0.999	ng/ul	97
16) Anthracene	16.972	178	2816	0.255	ng/ul#	88
19) Fluoranthene	18.895	202	32340	1.683	ng/ul	97
20) Pyrene	19.258	202	22405	1.078	ng/ul	98
21) Benzo(a)anthracene	21.014	228	12984	0.757	ng/ul	98
22) Chrysene	21.064	228	14461	0.661	ng/ul	98
24) Benzo(b)fluoranthene	22.507	252	23059m	1.245	ng/ul	
25) Benzo(k)fluoranthene	22.542	252	9290m	0.422	ng/ul	
26) Benzo(a)pyrene	23.031	252	7321	0.426	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	25.182	276	8504	0.303	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.179	278	2750	0.131	ng/ul#	70
29) Benzo(g,h,i)perylene	25.802	276	1310	0.054	ng/ul#	58

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

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**Instrument :**

BNA\_M

**ClientSampleId :**

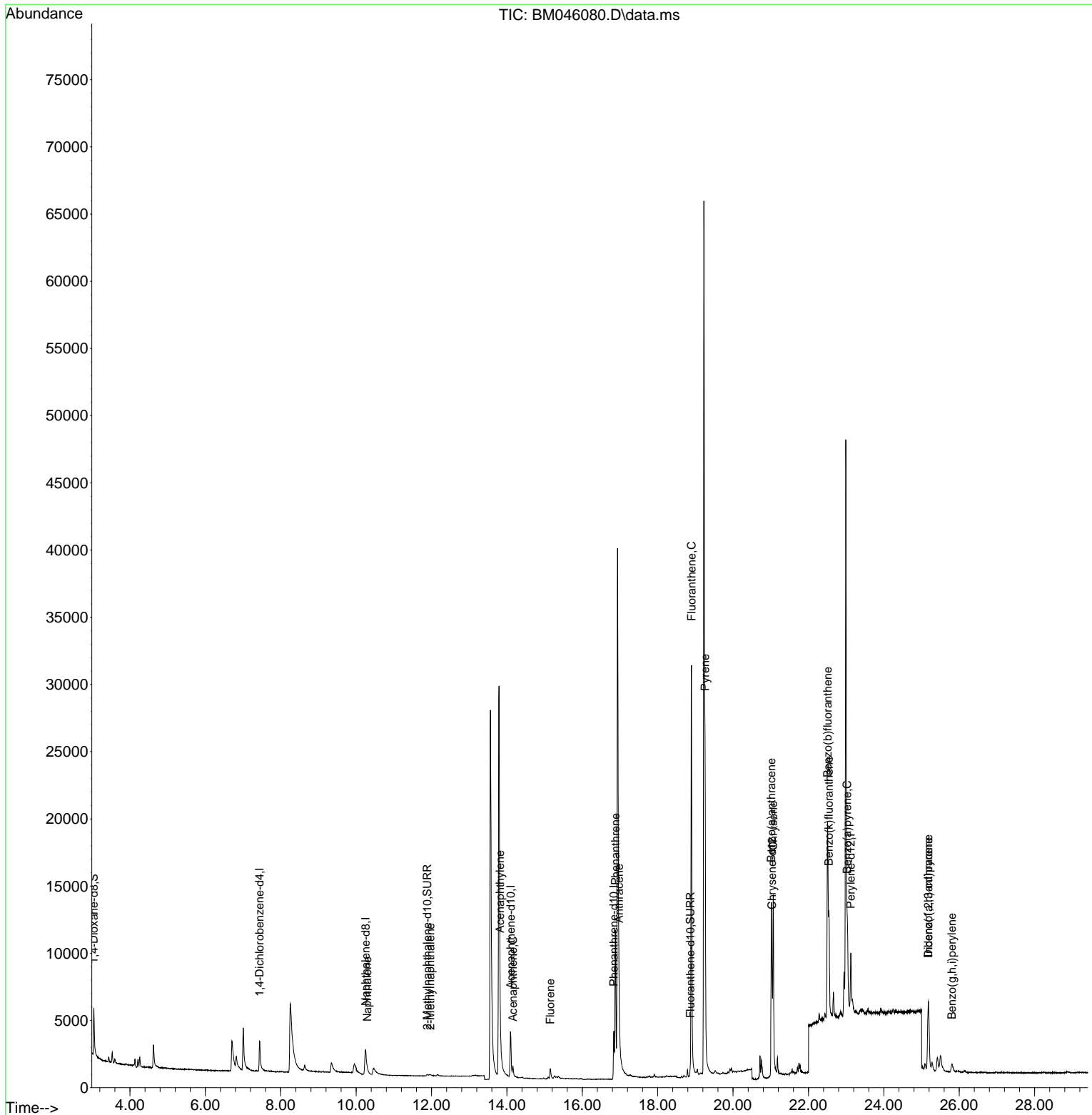
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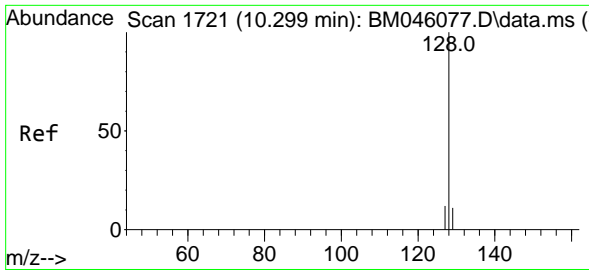
**Manual Integrations**

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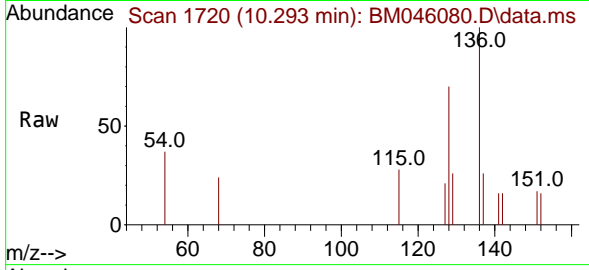
Quant Time: Jun 19 12:25:22 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
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#5  
 Naphthalene  
 Concen: 0.052 ng/u1  
 RT: 10.293 min Scan# 11  
 Delta R.T. -0.010 min  
 Lab File: BM046080.D  
 Acq: 19 Jun 2024 11:31

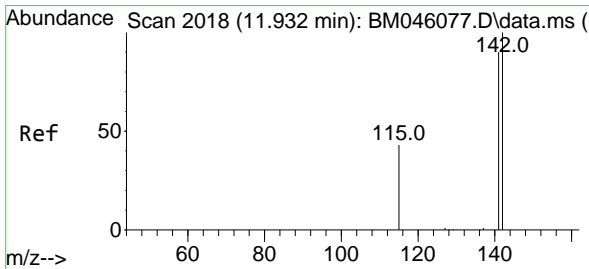
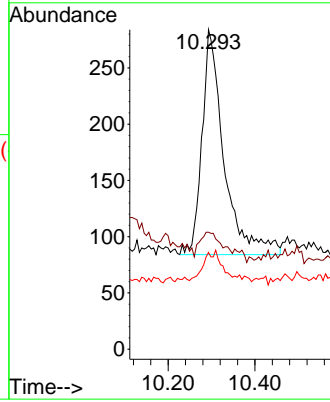
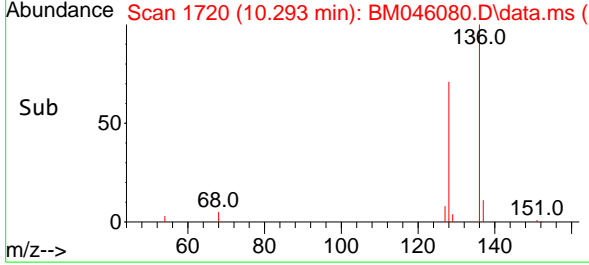
Instrument :  
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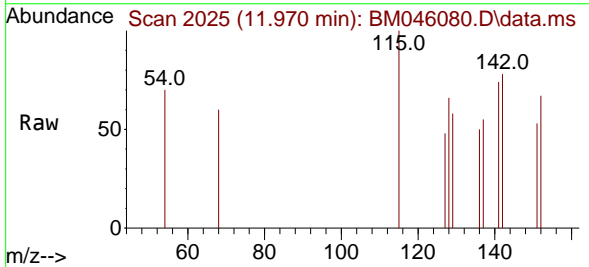
Tgt Ion:128 Resp: 70  
 Ion Ratio Lower Upper  
 128 100  
 129 36.6 11.8 17.6  
 127 30.3 12.8 19.2

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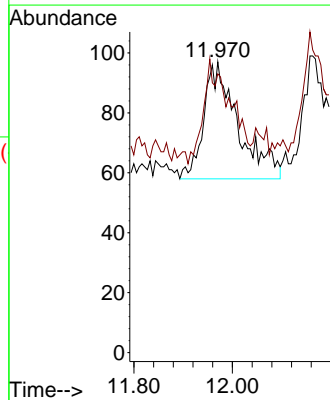
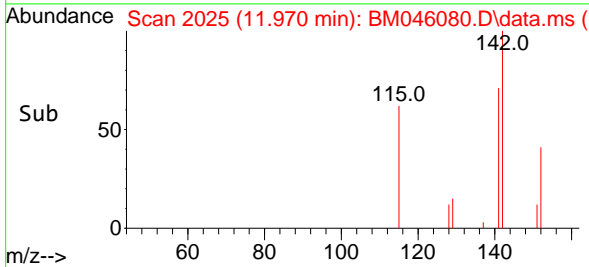
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 Supervised By :mohammad ahmed 06/21/2024

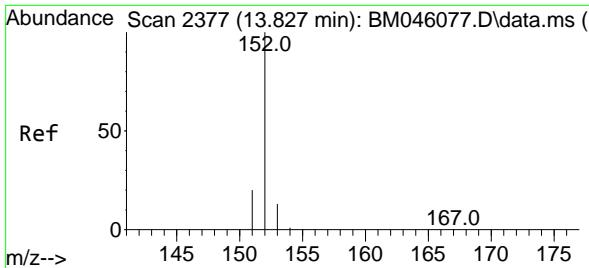


#7  
 2-Methylnaphthalene  
 Concen: 0.025 ng/u1  
 RT: 11.970 min Scan# 2025  
 Delta R.T. 0.023 min  
 Lab File: BM046080.D  
 Acq: 19 Jun 2024 11:31



Tgt Ion:142 Resp: 188  
 Ion Ratio Lower Upper  
 142 100  
 141 71.3 74.6 111.8#





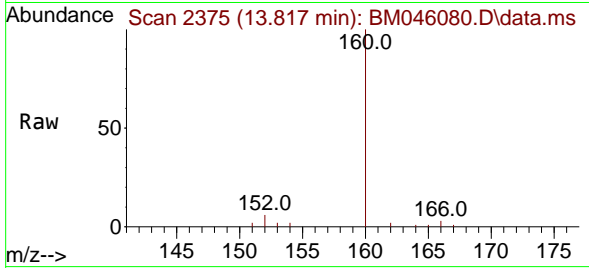
#10  
 Acenaphthylene  
 Concen: 0.067 ng/u1  
 RT: 13.817 min Scan# 21  
 Delta R.T. -0.017 min  
 Lab File: BM046080.D  
 Acq: 19 Jun 2024 11:31

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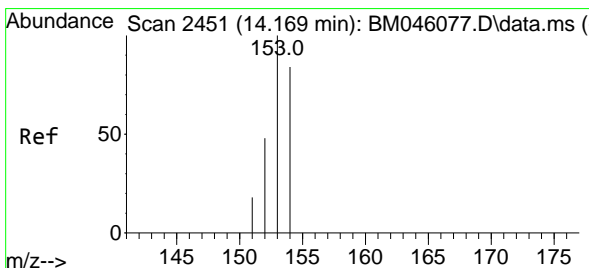
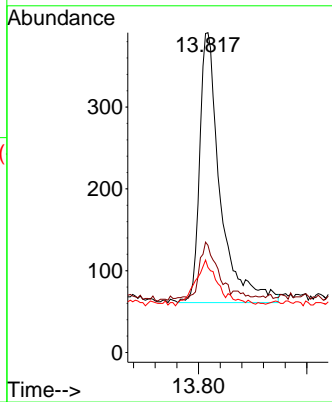
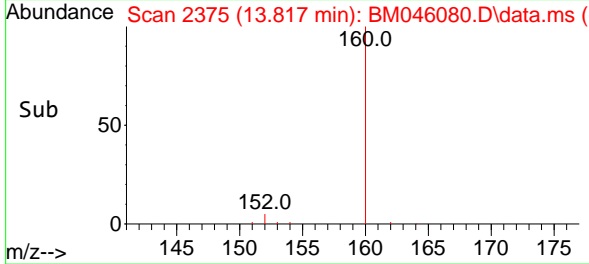
Tgt Ion:152 Resp: 869

Ion	Ratio	Lower	Upper
152	100		
151	33.5	17.4	26.2
153	26.6	11.8	17.8

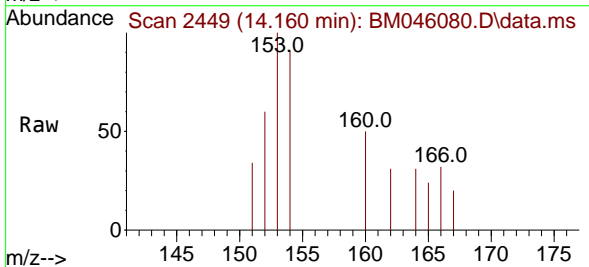
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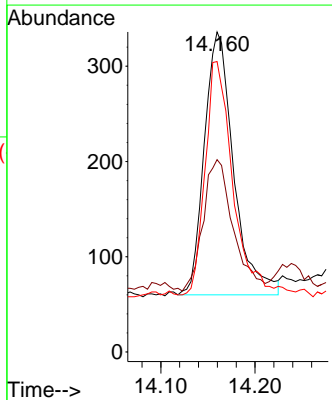
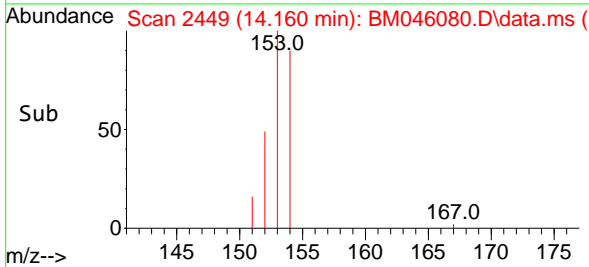


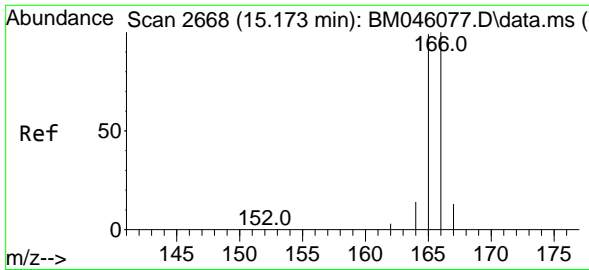
#11  
 Acenaphthene  
 Concen: 0.064 ng/u1  
 RT: 14.160 min Scan# 2449  
 Delta R.T. -0.013 min  
 Lab File: BM046080.D  
 Acq: 19 Jun 2024 11:31



Tgt Ion:153 Resp: 596

Ion	Ratio	Lower	Upper
153	100		
152	60.1	41.3	61.9
154	90.8	68.2	102.4





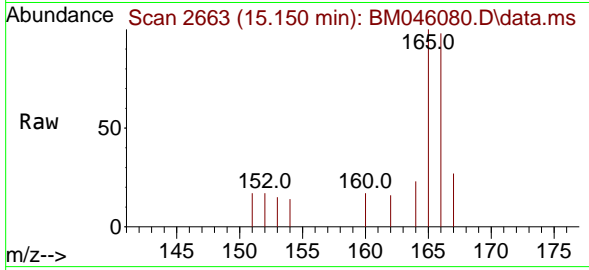
#12  
 Fluorene  
 Concen: 0.073 ng/u1  
 RT: 15.150 min Scan# 20  
 Delta R.T. -0.031 min  
 Lab File: BM046080.D  
 Acq: 19 Jun 2024 11:31

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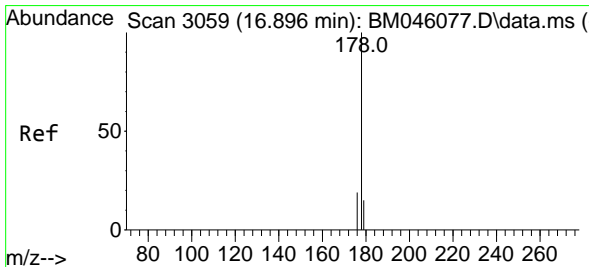
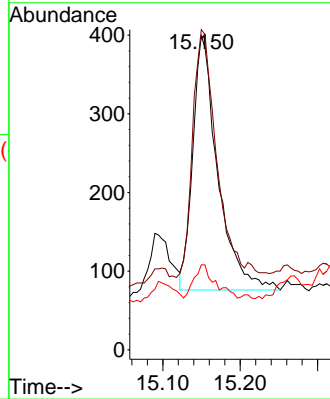
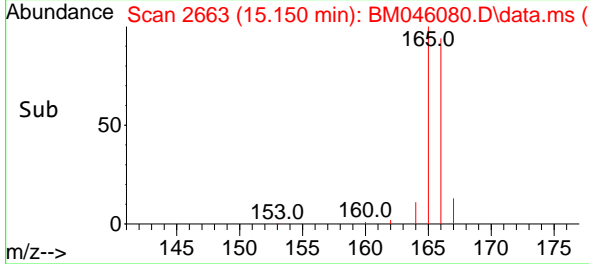


Tgt Ion:166 Resp: 720  
 Ion Ratio Lower Upper  
 166 100  
 165 102.0 80.4 120.6  
 167 27.1 12.4 18.6

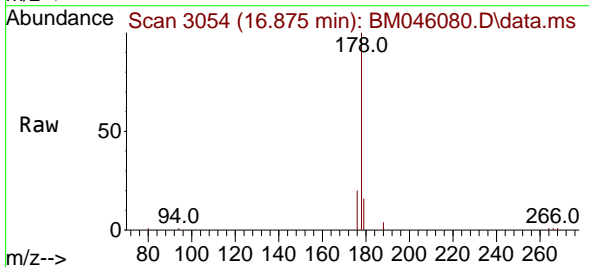
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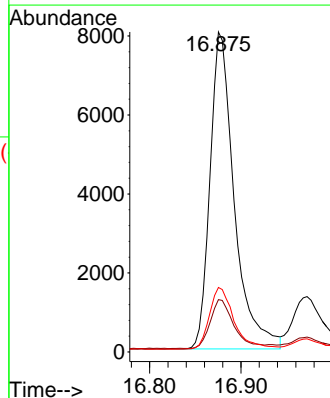
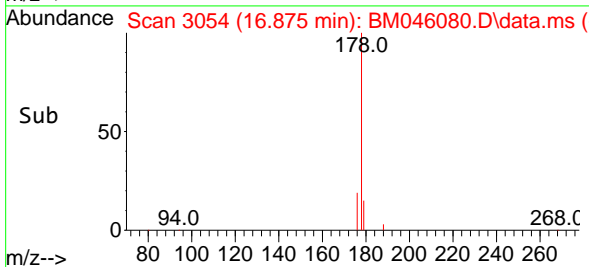
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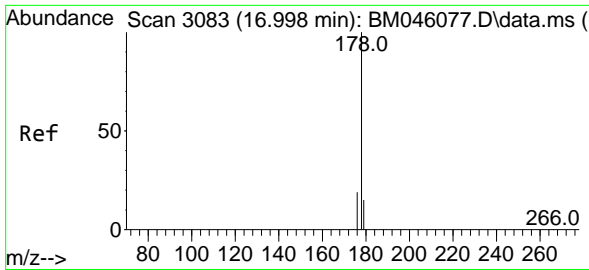


#15  
 Phenanthrene  
 Concen: 0.999 ng/u1  
 RT: 16.875 min Scan# 3054  
 Delta R.T. -0.028 min  
 Lab File: BM046080.D  
 Acq: 19 Jun 2024 11:31



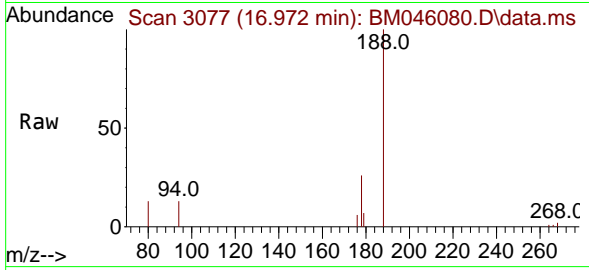
Tgt Ion:178 Resp: 14806  
 Ion Ratio Lower Upper  
 178 100  
 179 16.4 14.2 21.2  
 176 20.2 17.1 25.7





#16  
 Anthracene  
 Concen: 0.255 ng/u1  
 RT: 16.972 min Scan# 3083  
 Delta R.T. -0.032 min  
 Lab File: BM046080.D  
 Acq: 19 Jun 2024 11:31

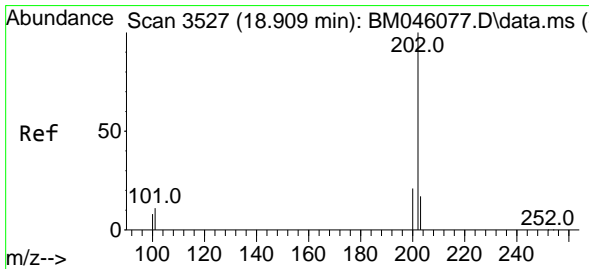
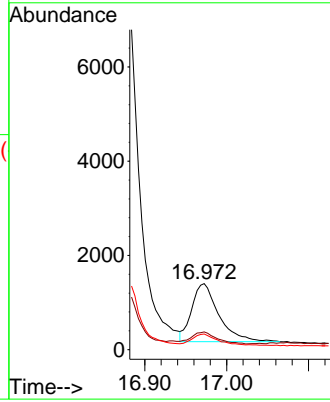
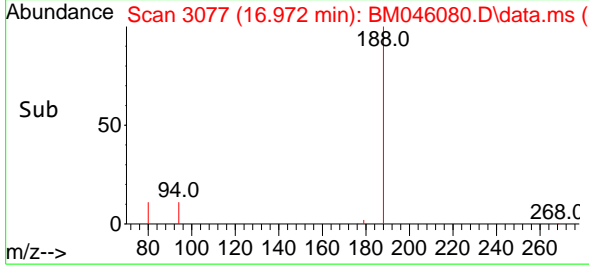
Instrument :  
 BNA\_M  
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 A4BM6DL



Tgt Ion:178 Resp: 2810  
 Ion Ratio Lower Upper  
 178 100  
 179 26.9 14.9 22.3  
 176 23.7 17.0 25.4

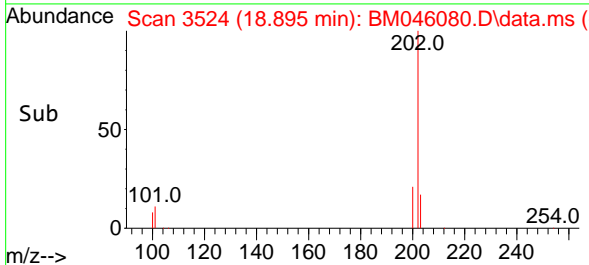
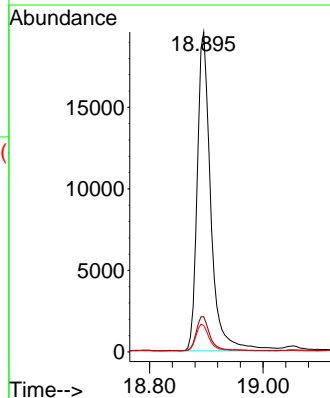
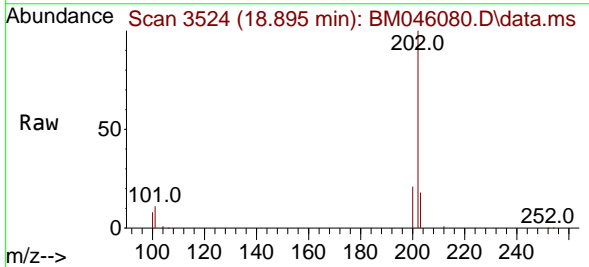
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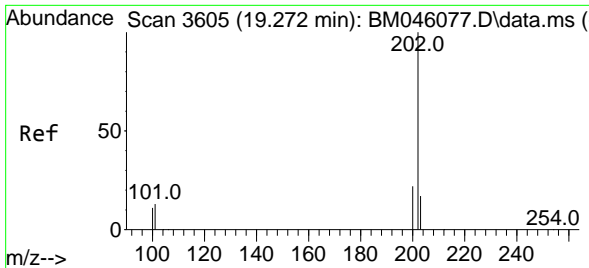
Reviewed By :Jagrut Upadhyay 06/19/2024  
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#19  
 Fluoranthene  
 Concen: 1.683 ng/u1  
 RT: 18.895 min Scan# 3524  
 Delta R.T. -0.022 min  
 Lab File: BM046080.D  
 Acq: 19 Jun 2024 11:31

Tgt Ion:202 Resp: 32340  
 Ion Ratio Lower Upper  
 202 100  
 101 11.0 9.6 14.4  
 100 8.3 7.6 11.4





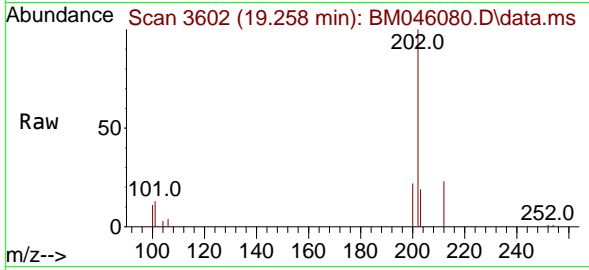
#20  
 Pyrene  
 Concen: 1.078 ng/u1  
 RT: 19.258 min Scan# 30  
 Delta R.T. -0.017 min  
 Lab File: BM046080.D  
 Acq: 19 Jun 2024 11:31

Instrument :

BNA\_M

ClientSampleId :

A4BM6DL

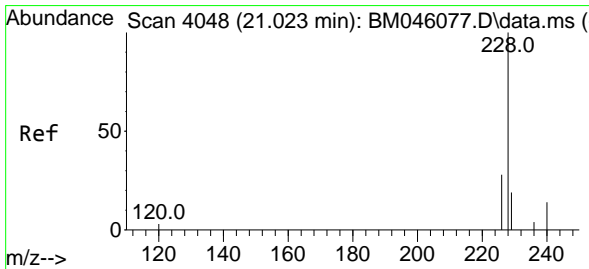
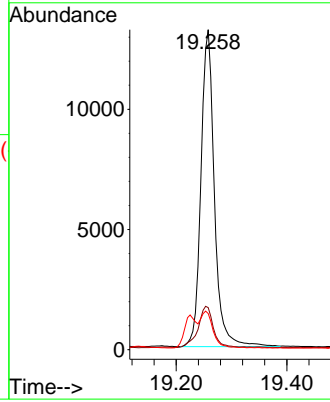
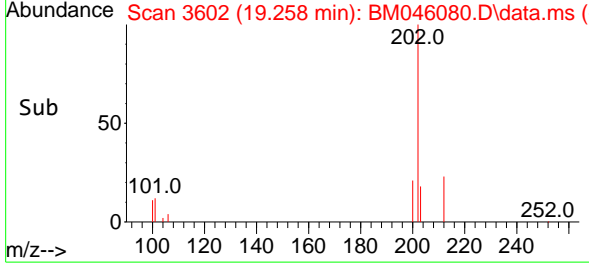


Tgt Ion:202 Resp: 2240  
 Ion Ratio Lower Upper  
 202 100  
 101 13.1 11.3 16.9  
 100 11.3 9.8 14.6

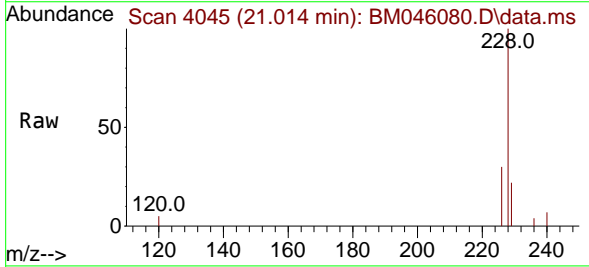
Manual Integrations

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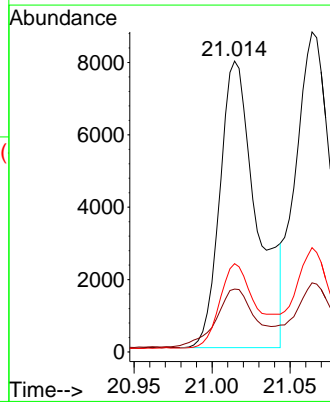
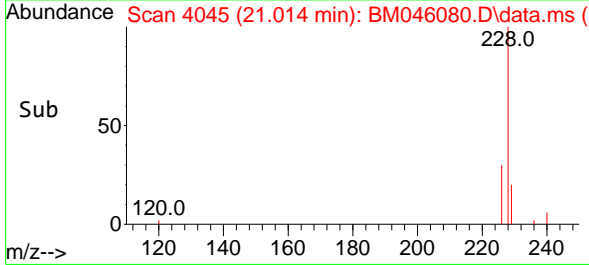
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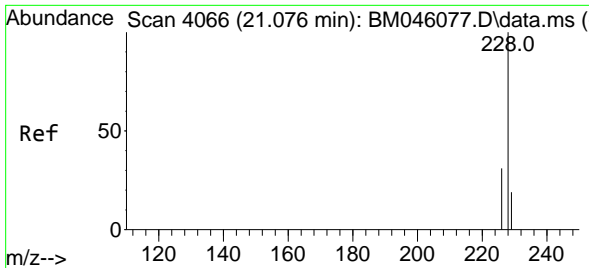


#21  
 Benzo(a)anthracene  
 Concen: 0.757 ng/u1  
 RT: 21.014 min Scan# 4045  
 Delta R.T. -0.015 min  
 Lab File: BM046080.D  
 Acq: 19 Jun 2024 11:31



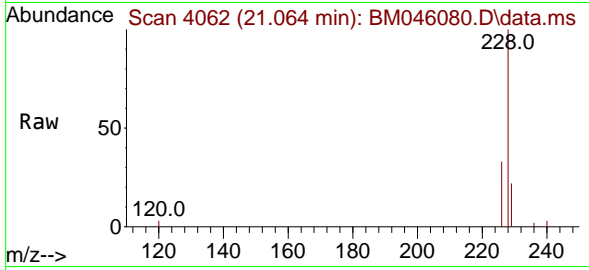
Tgt Ion:228 Resp: 12984  
 Ion Ratio Lower Upper  
 228 100  
 229 21.6 16.4 24.6  
 226 30.4 23.4 35.2





#22  
 Chrysene  
 Concen: 0.661 ng/u1  
 RT: 21.064 min Scan# 4062  
 Delta R.T. -0.012 min  
 Lab File: BM046080.D  
 Acq: 19 Jun 2024 11:31

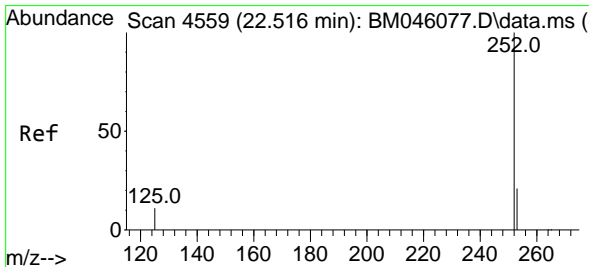
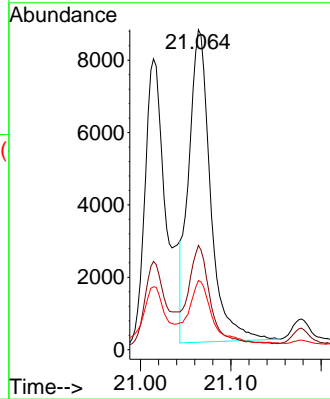
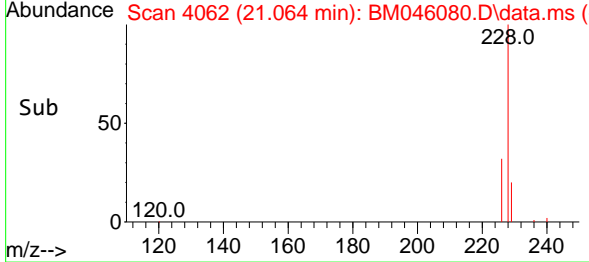
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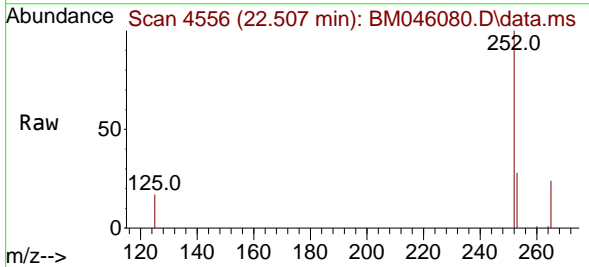
Tgt Ion:228 Resp: 1446  
 Ion Ratio Lower Upper  
 228 100  
 226 32.6 25.2 37.8  
 229 21.6 16.3 24.5

Manual Integrations  
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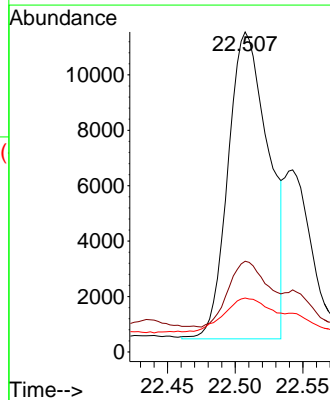
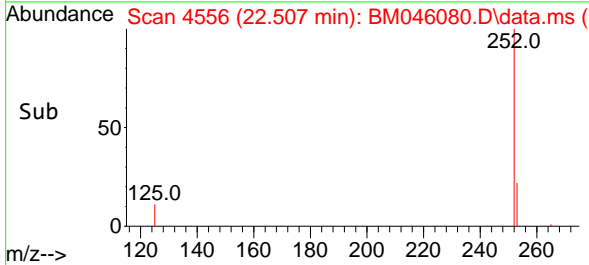
Reviewed By :Jagrut Upadhyay 06/19/2024  
 Supervised By :mohammad ahmed 06/21/2024



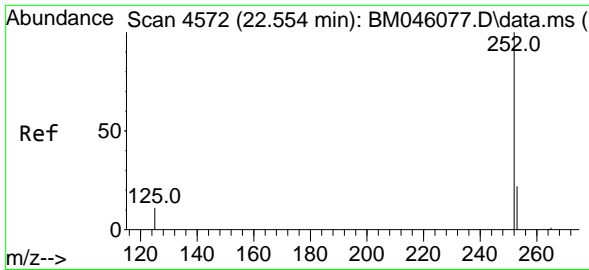
#24  
 Benzo(b)fluoranthene  
 Concen: 1.245 ng/u1 m  
 RT: 22.507 min Scan# 4556  
 Delta R.T. -0.012 min  
 Lab File: BM046080.D  
 Acq: 19 Jun 2024 11:31



Tgt Ion:252 Resp: 23059  
 Ion Ratio Lower Upper  
 252 100  
 253 28.4 0.0 65.8  
 125 16.8 0.0 40.2

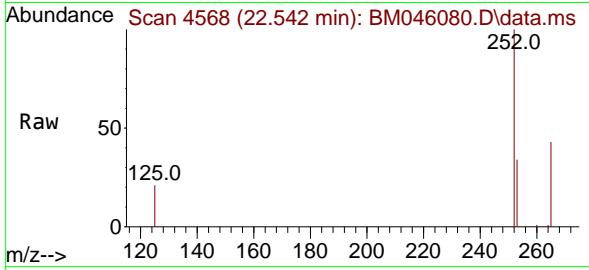






#25  
 Benzo(k)fluoranthene  
 Concen: 0.422 ng/u1 m  
 RT: 22.542 min Scan# 4568  
 Delta R.T. -0.021 min  
 Lab File: BM046080.D  
 Acq: 19 Jun 2024 11:31

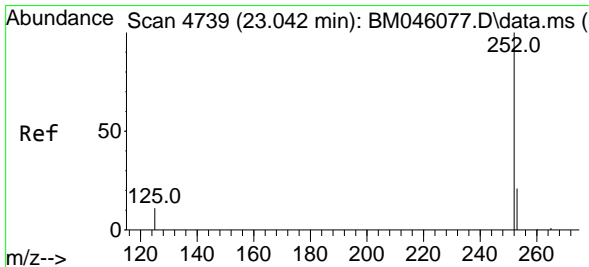
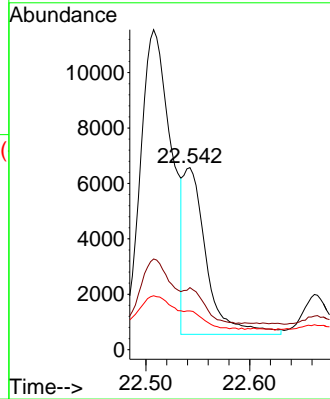
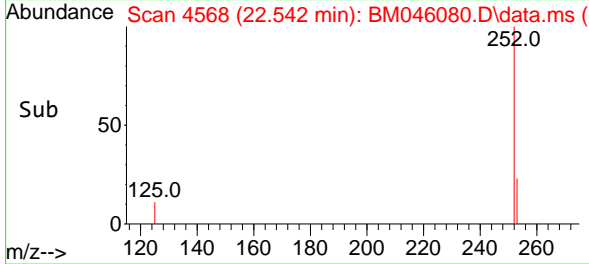
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Tgt Ion:252 Resp: 9290  
 Ion Ratio Lower Upper  
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 125 21.2 16.6 25.0

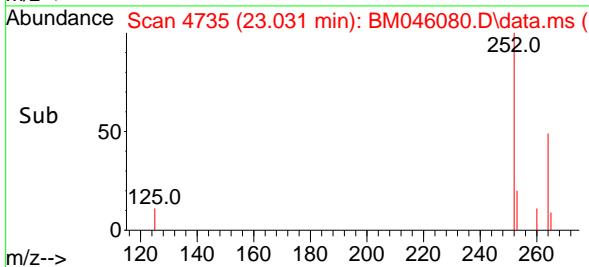
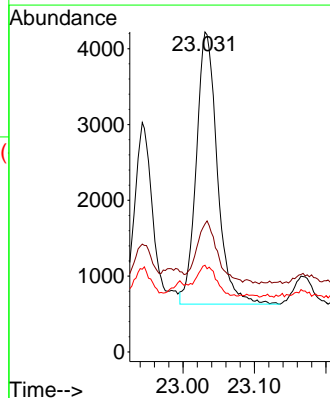
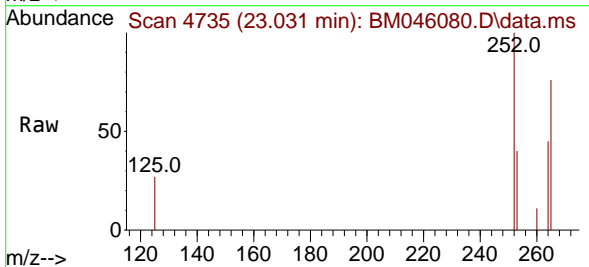
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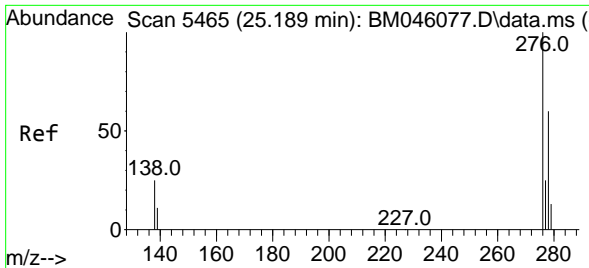
Reviewed By :Jagrut Upadhyay 06/19/2024  
 Supervised By :mohammad ahmed 06/21/2024



#26  
 Benzo(a)pyrene  
 Concen: 0.426 ng/u1  
 RT: 23.031 min Scan# 4735  
 Delta R.T. -0.024 min  
 Lab File: BM046080.D  
 Acq: 19 Jun 2024 11:31

Tgt Ion:252 Resp: 7321  
 Ion Ratio Lower Upper  
 252 100  
 253 40.0 32.1 48.1  
 125 27.1 21.2 31.8





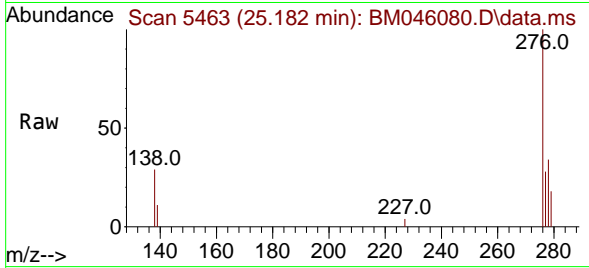
#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.303 ng/ul  
 RT: 25.182 min Scan# 5463  
 Delta R.T. -0.020 min  
 Lab File: BM046080.D  
 Acq: 19 Jun 2024 11:31

Instrument :

BNA\_M

ClientSampleId :

A4BM6DL

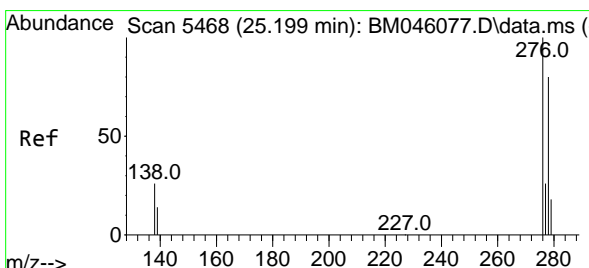
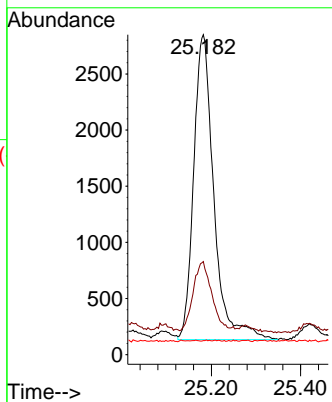
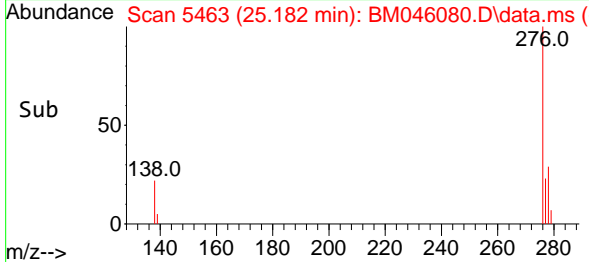


Tgt Ion: 276 Resp: 8504  
 Ion Ratio Lower Upper  
 276 100  
 138 21.1 21.0 31.4  
 227 0.1 0.0 0.0

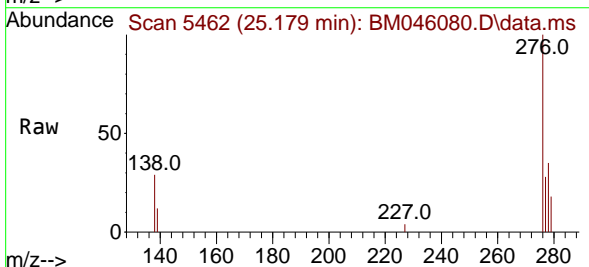
Manual Integrations

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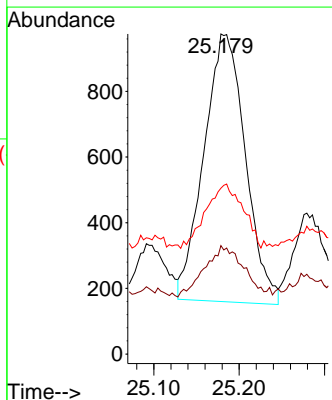
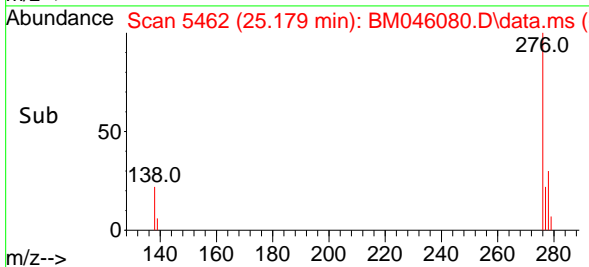
Reviewed By :Jagrut Upadhyay 06/19/2024  
 Supervised By :mohammad ahmed 06/21/2024

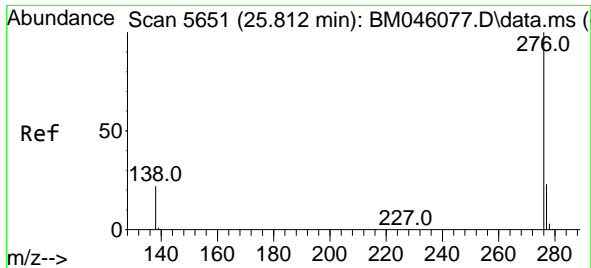


#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.131 ng/ul  
 RT: 25.179 min Scan# 5462  
 Delta R.T. -0.037 min  
 Lab File: BM046080.D  
 Acq: 19 Jun 2024 11:31



Tgt Ion: 278 Resp: 2750  
 Ion Ratio Lower Upper  
 278 100  
 139 33.8 17.6 26.4#  
 279 51.8 26.3 39.5#





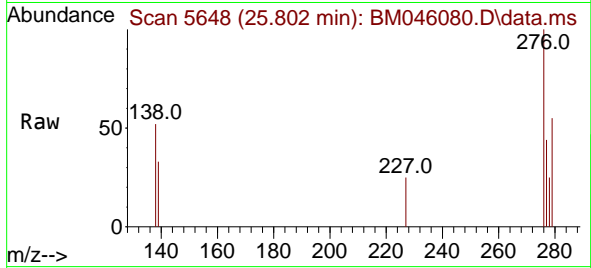
#29  
 Benzo(g,h,i)perylene  
 Concen: 0.054 ng/ul  
 RT: 25.802 min Scan# 50  
 Delta R.T. -0.027 min  
 Lab File: BM046080.D  
 Acq: 19 Jun 2024 11:31

Instrument :

BNA\_M

ClientSampleId :

A4BM6DL



Tgt Ion: 276 Resp: 1310

Ion	Ratio	Lower	Upper
276	100		
138	51.9	21.7	32.5
277	43.9	20.4	30.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/19/2024  
 Supervised By :mohammad ahmed 06/21/2024

