

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062923\  
 Data File : BN026078.D  
 Acq On : 29 Jun 2023 03:44  
 Operator : MA/JU  
 Sample : 03142-21  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

**Instrument :**  
 BNA\_N  
**ClientSampleId :**  
 DCFT8

**Manual Integrations**  
**APPROVED**  
 Reviewed By :Yogesh Patel 06/29/2023  
 Supervised By :mohammad ahmed 06/30/2023

Quant Time: Jun 29 04:12:38 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 28 22:47:20 2023  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
<b>Internal Standards</b>						
1) 1,4-Dichlorobenzene-d4	7.967	152	7628	0.400	ng/ul	0.00
4) Naphthalene-d8	10.774	136	25564	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.607	164	15690	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.351	188	32672	0.400	ng/ul	0.00
17) Chrysene-d12	21.537	240	19177	0.400	ng/ul #	0.00
23) Perylene-d12	24.001	264	18028	0.400	ng/ul	0.00
<b>System Monitoring Compounds</b>						
3) 1,4-Dioxane-d8	3.326	96	20687	2.408	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.364	152	6845	0.174	ng/ul	0.00
18) Fluoranthene-d10	19.376	212	14936	0.205	ng/ul	-0.01
<b>Target Compounds</b>						
						<b>Qvalue</b>
5) Naphthalene	10.829	128	15502	0.212	ng/ul	99
7) 2-Methylnaphthalene	12.441	142	9845	0.211	ng/ul	99
8) 1-Methylnaphthalene	12.655	142	7184	0.149	ng/ul	98
10) Acenaphthylene	14.329	152	15246	0.208	ng/ul	98
11) Acenaphthene	14.667	153	8929	0.149	ng/ul	97
12) Fluorene	15.652	166	6869	0.100	ng/ul#	96
15) Phenanthrene	17.393	178	191295	1.773	ng/ul	99
16) Anthracene	17.486	178	33949	0.354	ng/ul	97
19) Fluoranthene	19.409	202	525428	5.130	ng/ul	97
20) Pyrene	19.771	202	449290	4.217	ng/ul	96
21) Benzo(a)anthracene	21.519	228	207198	2.619	ng/ul	97
22) Chrysene	21.572	228	249374	3.029	ng/ul	97
24) Benzo(b)fluoranthene	23.244	252	345435m	4.489	ng/ul	
25) Benzo(k)fluoranthene	23.288	252	100999m	1.307	ng/ul	
26) Benzo(a)pyrene	23.893	252	194433	2.909	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	26.580	276	159836	2.190	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.593	278	38391	0.695	ng/ul	97
29) Benzo(g,h,i)perylene	27.378	276	155217	2.390	ng/ul	96

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

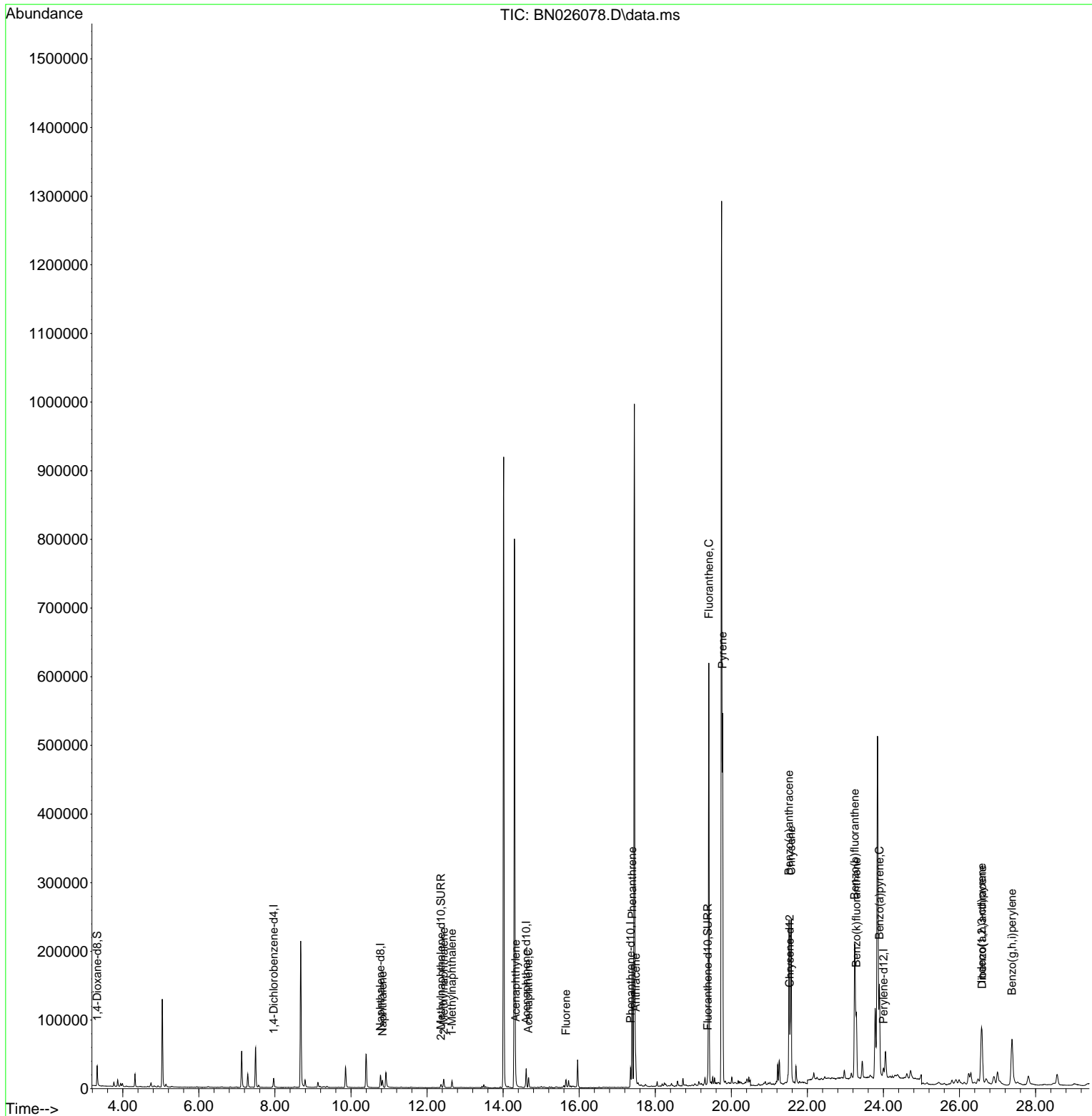
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062923\  
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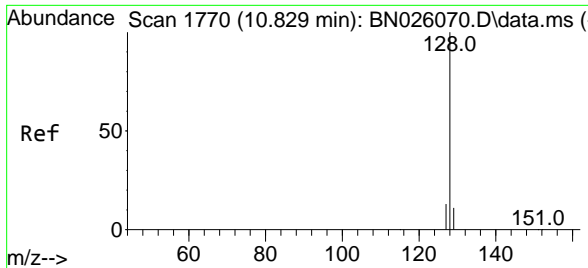
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Quant Time: Jun 29 04:12:38 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062223.M  
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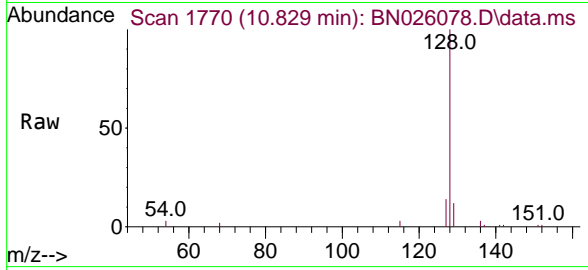
Reviewed By :Yogesh Patel 06/29/2023  
 Supervised By :mohammad ahmed 06/30/2023





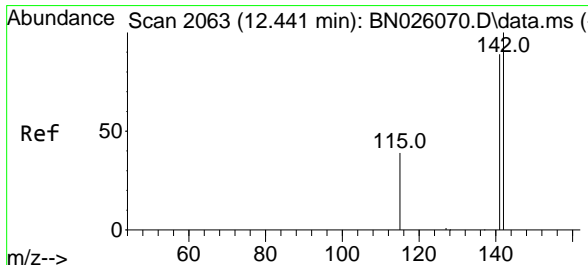
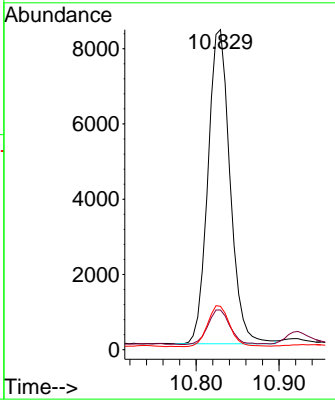
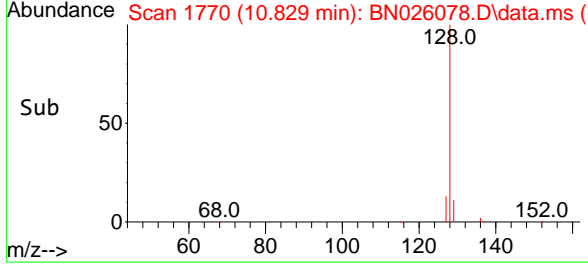
#5  
 Naphthalene  
 Concen: 0.212 ng/u1  
 RT: 10.829 min Scan# 1770  
 Delta R.T. -0.007 min  
 Lab File: BN026078.D  
 Acq: 29 Jun 2023 03:44

Instrument : BNA\_N  
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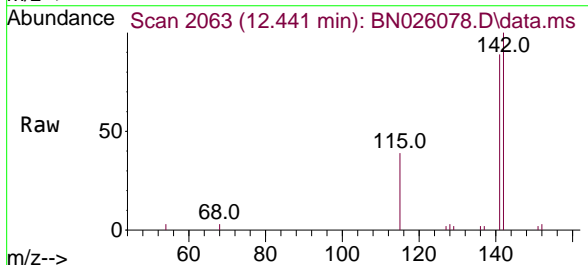


Tgt Ion:128 Resp: 1550  
 Ion Ratio Lower Upper  
 128 100  
 129 12.4 9.1 13.7  
 127 13.5 10.7 16.1

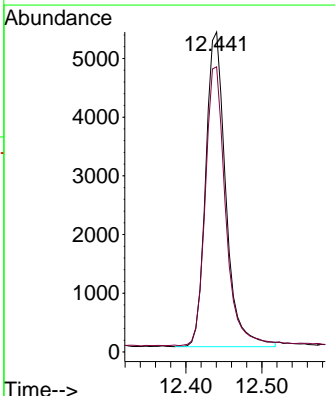
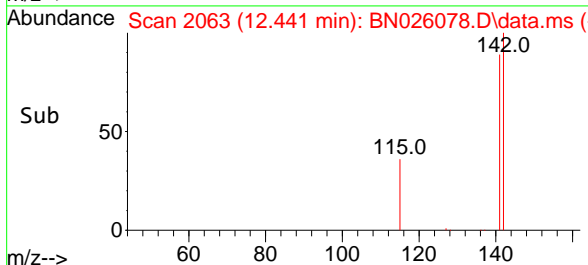
Manual Integrations  
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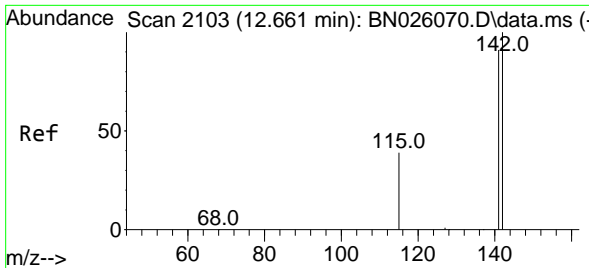


#7  
 2-Methylnaphthalene  
 Concen: 0.211 ng/u1  
 RT: 12.441 min Scan# 2063  
 Delta R.T. -0.007 min  
 Lab File: BN026078.D  
 Acq: 29 Jun 2023 03:44



Tgt Ion:142 Resp: 9845  
 Ion Ratio Lower Upper  
 142 100  
 141 89.2 71.9 107.9





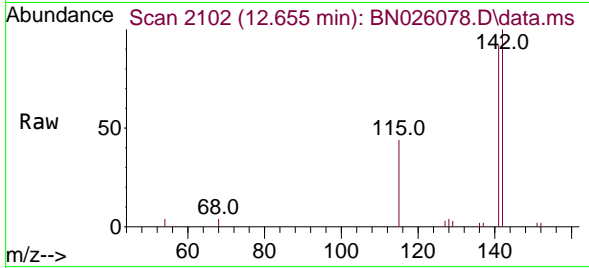
#8  
 1-Methylnaphthalene  
 Concen: 0.149 ng/u1  
 RT: 12.655 min Scan# 2102  
 Delta R.T. -0.007 min  
 Lab File: BN026078.D  
 Acq: 29 Jun 2023 03:44

Instrument :

BNA\_N

ClientSampleId :

DCFT8

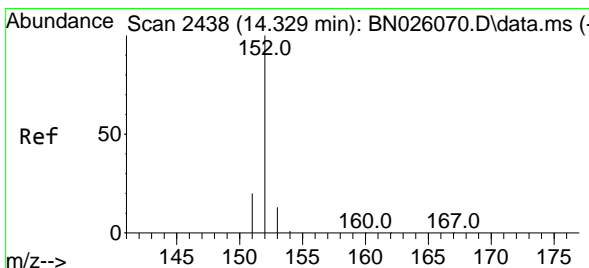
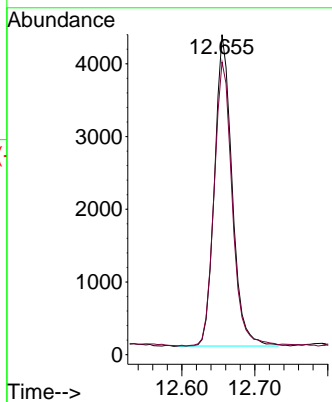
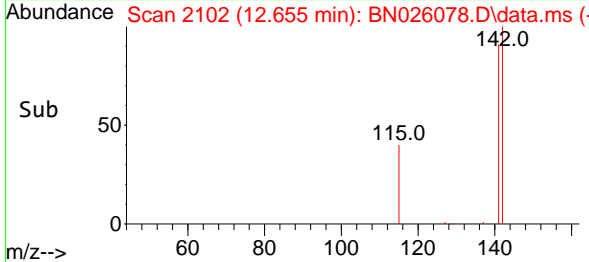


Tgt Ion:142 Resp: 7184  
 Ion Ratio Lower Upper  
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 141 94.3 74.2 111.4

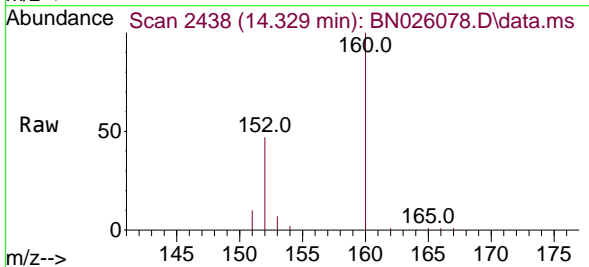
Manual Integrations

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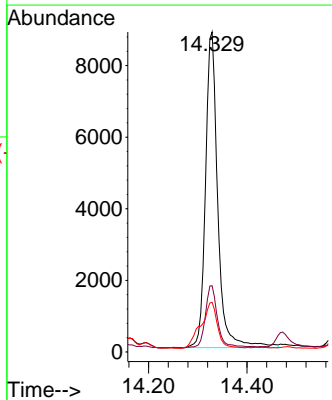
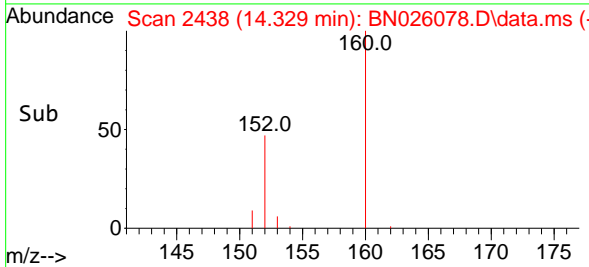
Reviewed By :Yogesh Patel 06/29/2023  
 Supervised By :mohammad ahmed 06/30/2023

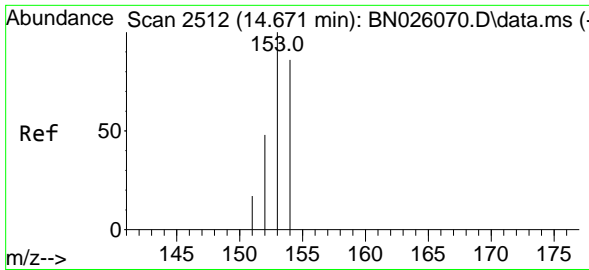


#10  
 Acenaphthylene  
 Concen: 0.208 ng/u1  
 RT: 14.329 min Scan# 2438  
 Delta R.T. -0.000 min  
 Lab File: BN026078.D  
 Acq: 29 Jun 2023 03:44



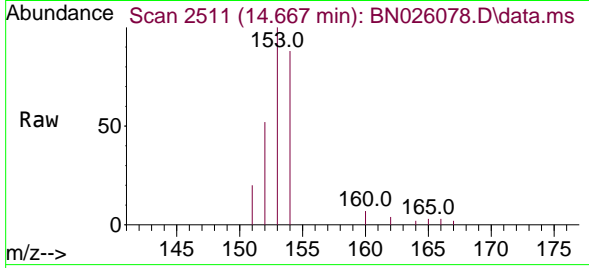
Tgt Ion:152 Resp: 15246  
 Ion Ratio Lower Upper  
 152 100  
 151 20.7 16.2 24.4  
 153 15.5 10.9 16.3





#11  
 Acenaphthene  
 Concen: 0.149 ng/u1  
 RT: 14.667 min Scan# 2511  
 Delta R.T. -0.005 min  
 Lab File: BN026078.D  
 Acq: 29 Jun 2023 03:44

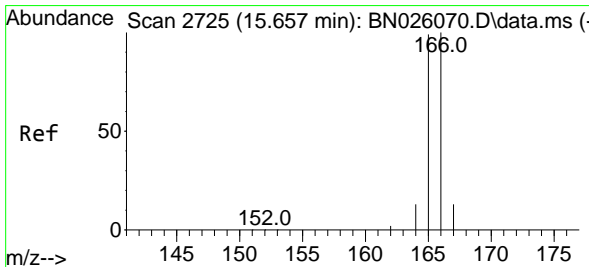
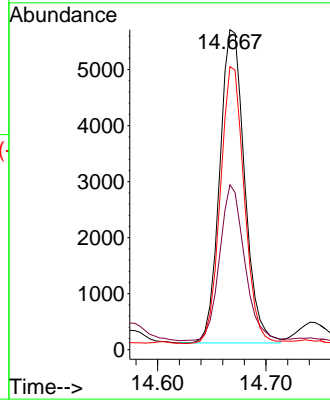
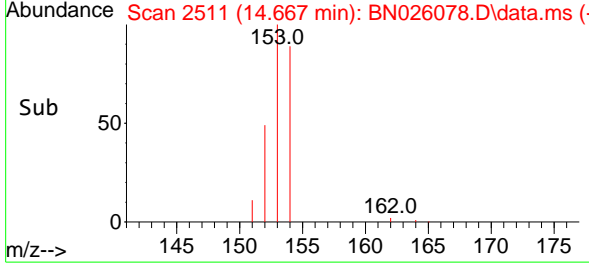
Instrument :  
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 DCFT8



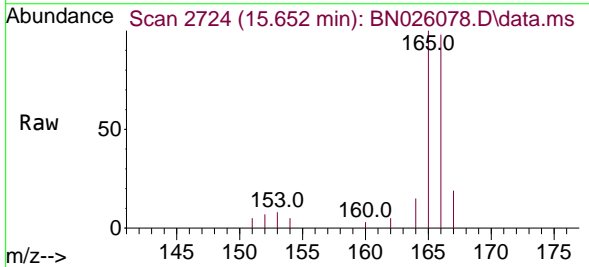
Tgt Ion:153 Resp: 8929  
 Ion Ratio Lower Upper  
 153 100  
 152 51.6 39.4 59.0  
 154 88.4 68.9 103.3

Manual Integrations  
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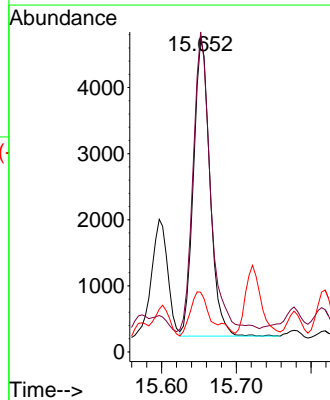
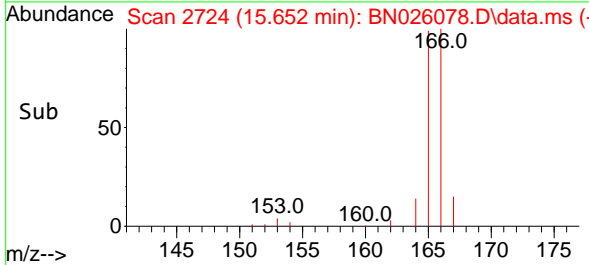
Reviewed By :Yogesh Patel 06/29/2023  
 Supervised By :mohammad ahmed 06/30/2023

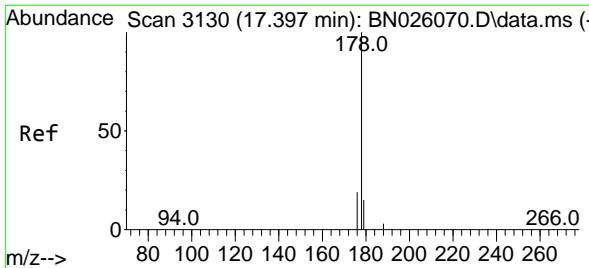


#12  
 Fluorene  
 Concen: 0.100 ng/u1  
 RT: 15.652 min Scan# 2724  
 Delta R.T. -0.010 min  
 Lab File: BN026078.D  
 Acq: 29 Jun 2023 03:44



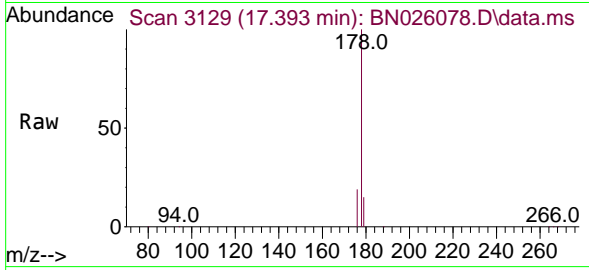
Tgt Ion:166 Resp: 6869  
 Ion Ratio Lower Upper  
 166 100  
 165 102.4 79.9 119.9  
 167 19.1 10.8 16.2#





#15  
 Phenanthrene  
 Concen: 1.773 ng/u1  
 RT: 17.393 min Scan# 3129  
 Delta R.T. -0.009 min  
 Lab File: BN026078.D  
 Acq: 29 Jun 2023 03:44

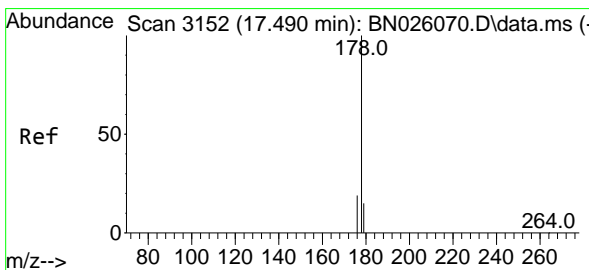
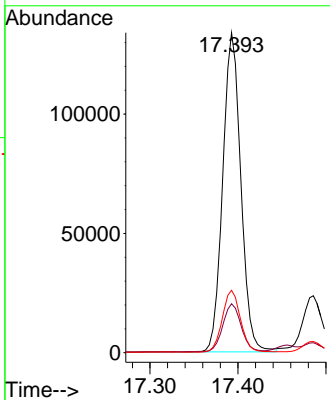
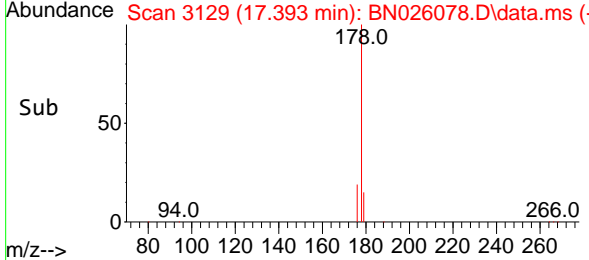
Instrument : BNA\_N  
 Client Sample Id : DCFT8



Tgt Ion:178 Resp: 19129  
 Ion Ratio Lower Upper  
 178 100  
 179 15.3 12.6 19.0  
 176 19.5 15.8 23.6

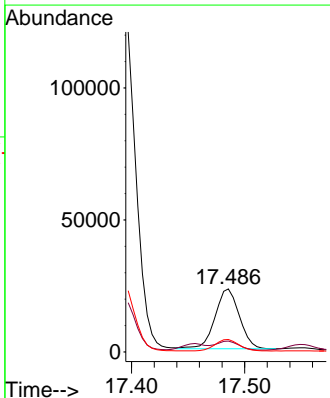
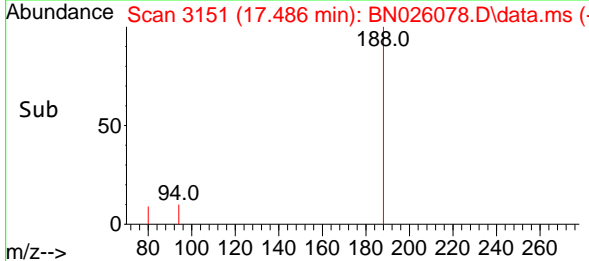
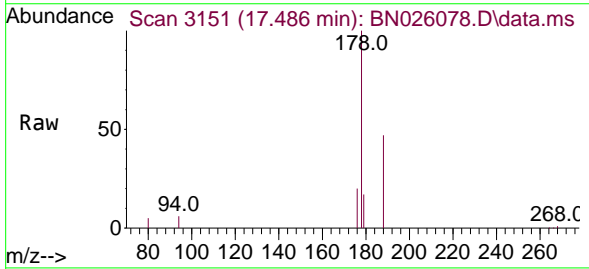
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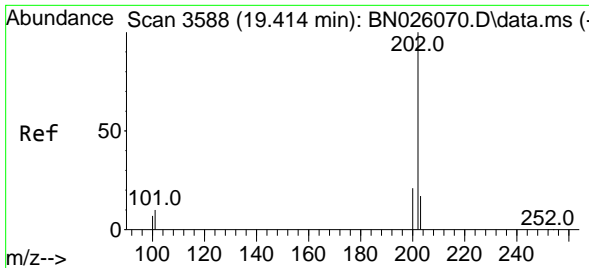
Reviewed By :Yogesh Patel 06/29/2023  
 Supervised By :mohammad ahmed 06/30/2023



#16  
 Anthracene  
 Concen: 0.354 ng/u1  
 RT: 17.486 min Scan# 3151  
 Delta R.T. -0.009 min  
 Lab File: BN026078.D  
 Acq: 29 Jun 2023 03:44

Tgt Ion:178 Resp: 33949  
 Ion Ratio Lower Upper  
 178 100  
 179 17.4 12.6 18.8  
 176 19.7 15.1 22.7





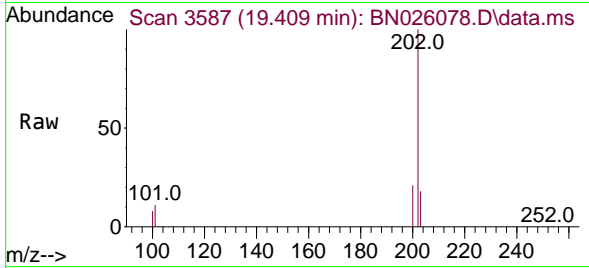
#19  
 Fluoranthene  
 Concen: 5.130 ng/u1  
 RT: 19.409 min Scan# 3587  
 Delta R.T. -0.005 min  
 Lab File: BN026078.D  
 Acq: 29 Jun 2023 03:44

Instrument :

BNA\_N

Client SampleId :

DCFT8

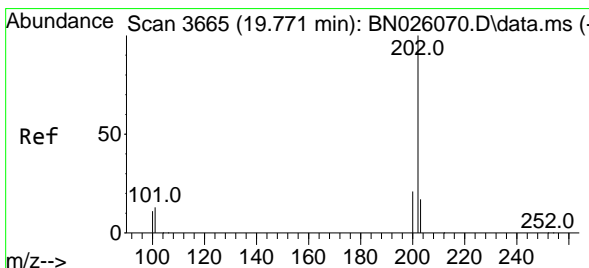
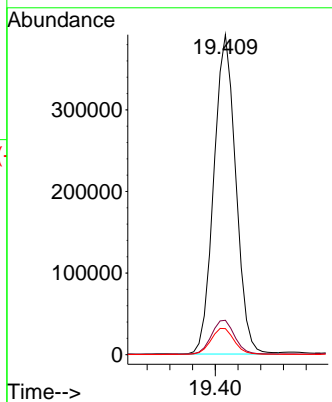
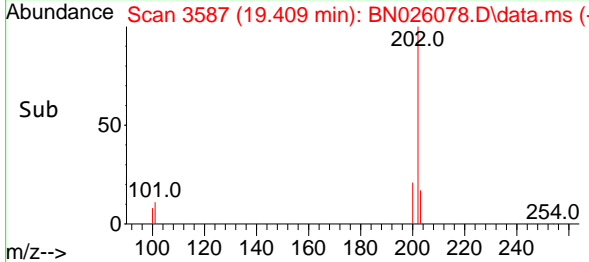


Tgt Ion:202 Resp: 525428  
 Ion Ratio Lower Upper  
 202 100  
 101 10.7 9.5 14.3  
 100 8.2 7.3 10.9

Manual Integrations

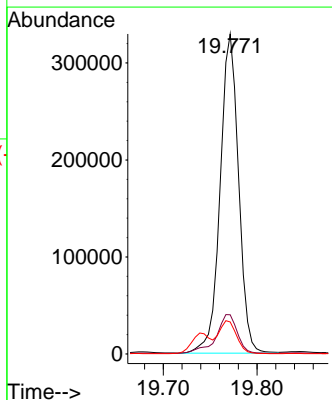
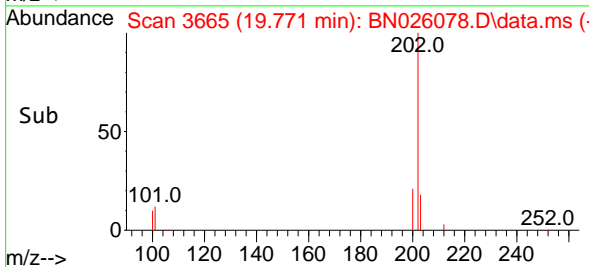
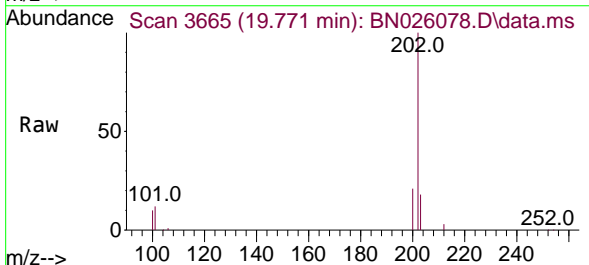
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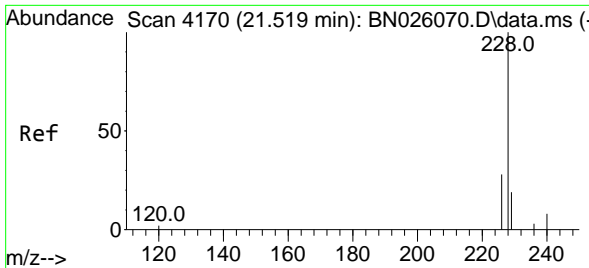
Reviewed By :Yogesh Patel 06/29/2023  
 Supervised By :mohammad ahmed 06/30/2023



#20  
 Pyrene  
 Concen: 4.217 ng/u1  
 RT: 19.771 min Scan# 3665  
 Delta R.T. -0.006 min  
 Lab File: BN026078.D  
 Acq: 29 Jun 2023 03:44

Tgt Ion:202 Resp: 449290  
 Ion Ratio Lower Upper  
 202 100  
 101 12.2 11.4 17.0  
 100 10.0 9.1 13.7





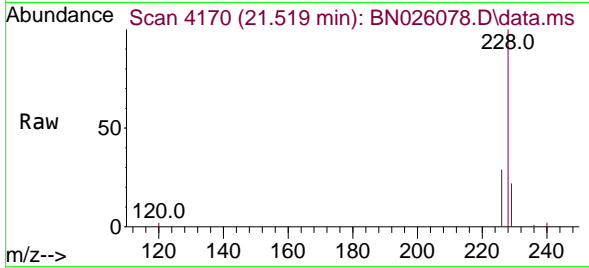
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 Benzo(a)anthracene  
 Concen: 2.619 ng/u1  
 RT: 21.519 min Scan# 4187  
 Delta R.T. -0.010 min  
 Lab File: BN026078.D  
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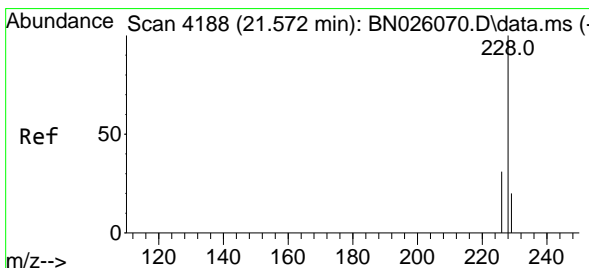
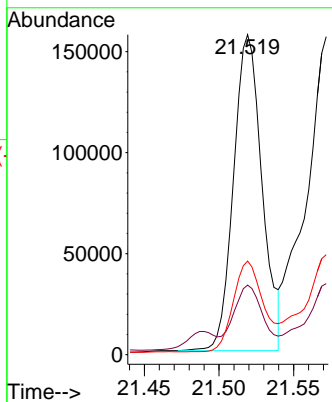
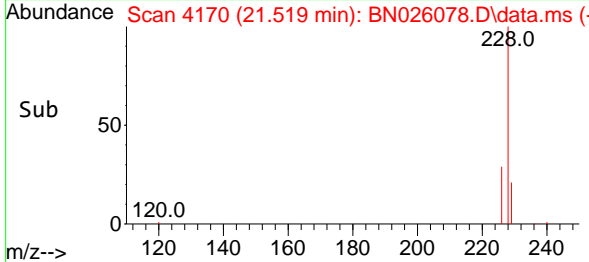
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 Ion Ratio Lower Upper  
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 229 21.8 15.8 23.6  
 226 29.3 22.5 33.7

Manual Integrations

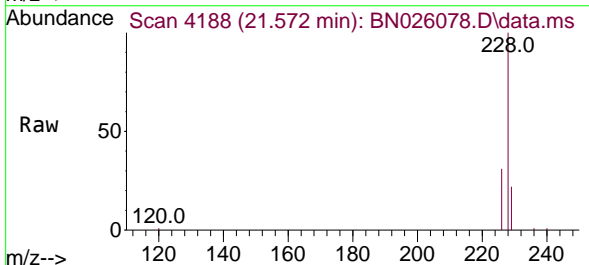
APPROVED

Reviewed By :Yogesh Patel 06/29/2023

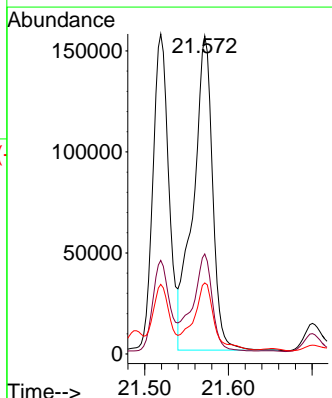
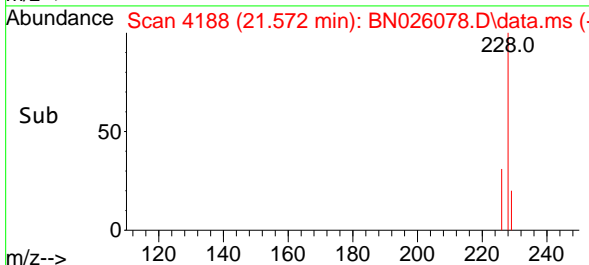
Supervised By :mohammad ahmed 06/30/2023



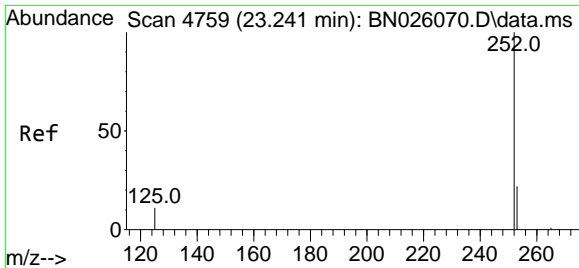
#22  
 Chrysene  
 Concen: 3.029 ng/u1  
 RT: 21.572 min Scan# 4188  
 Delta R.T. -0.007 min  
 Lab File: BN026078.D  
 Acq: 29 Jun 2023 03:44



Tgt Ion:228 Resp: 249374  
 Ion Ratio Lower Upper  
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 226 31.5 24.8 37.2  
 229 22.4 15.7 23.5

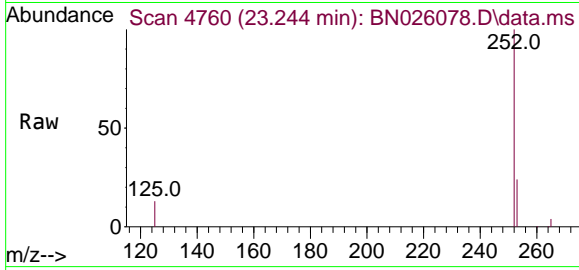






#24  
 Benzo(b)fluoranthene  
 Concen: 4.489 ng/ul m  
 RT: 23.244 min Scan# 4760  
 Delta R.T. -0.010 min  
 Lab File: BN026078.D  
 Acq: 29 Jun 2023 03:44

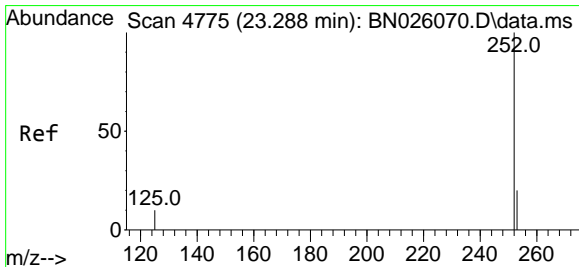
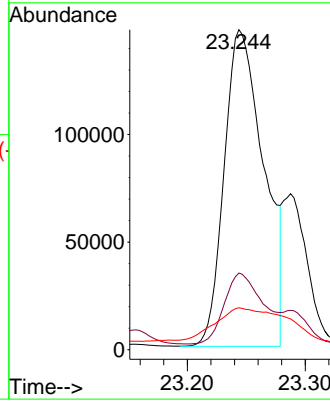
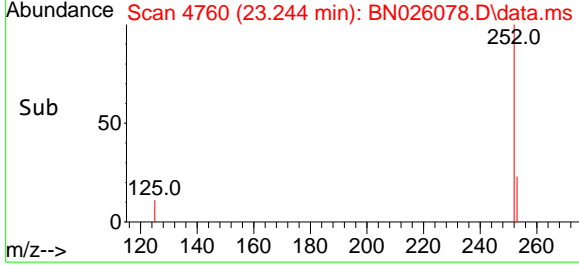
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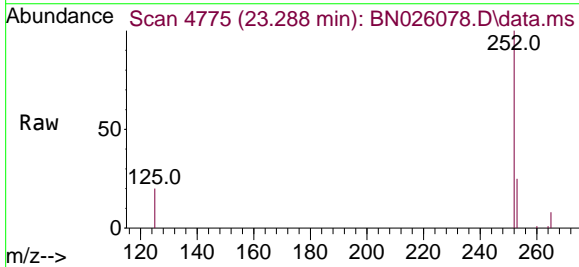
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 Ion Ratio Lower Upper  
 252 100  
 253 24.0 0.0 55.6  
 125 13.1 0.0 35.8

Manual Integrations  
 APPROVED

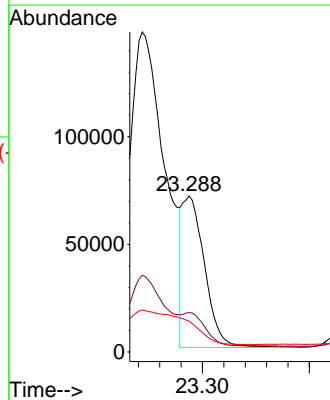
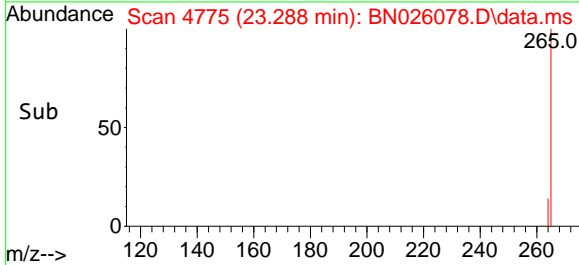
Reviewed By :Yogesh Patel 06/29/2023  
 Supervised By :mohammad ahmed 06/30/2023

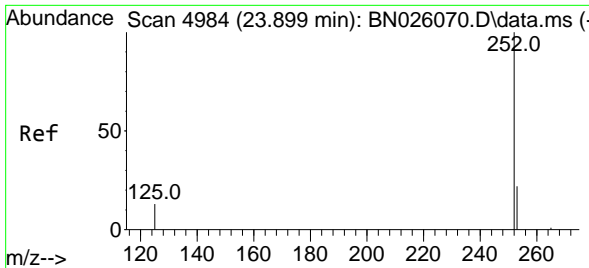


#25  
 Benzo(k)fluoranthene  
 Concen: 1.307 ng/ul m  
 RT: 23.288 min Scan# 4775  
 Delta R.T. -0.015 min  
 Lab File: BN026078.D  
 Acq: 29 Jun 2023 03:44



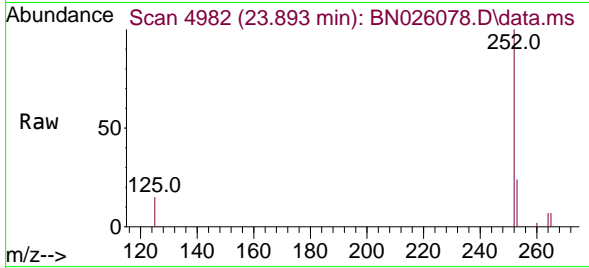
Tgt Ion:252 Resp: 100999  
 Ion Ratio Lower Upper  
 252 100  
 253 25.3 23.2 34.8  
 125 19.7 15.0 22.4





#26  
 Benzo(a)pyrene  
 Concen: 2.909 ng/u1  
 RT: 23.893 min Scan# 4982  
 Delta R.T. -0.013 min  
 Lab File: BN026078.D  
 Acq: 29 Jun 2023 03:44

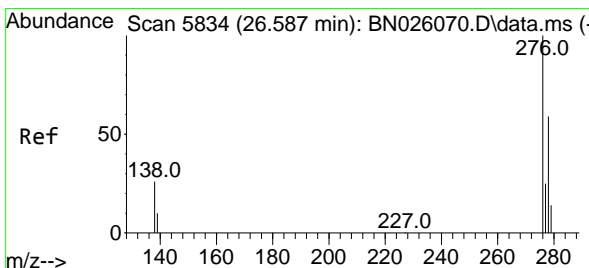
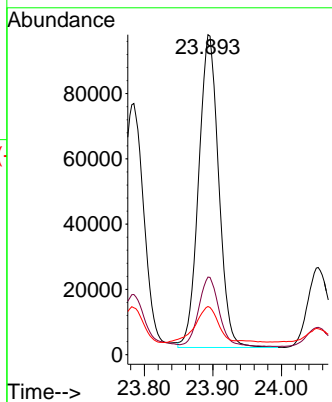
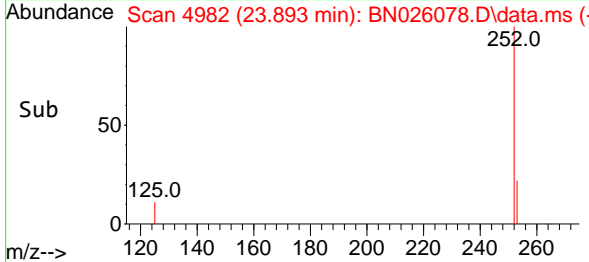
Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCFT8



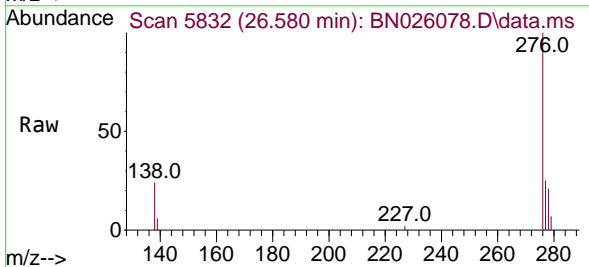
Tgt Ion:252 Resp: 19443  
 Ion Ratio Lower Upper  
 252 100  
 253 24.2 26.0 39.0  
 125 15.0 17.3 25.9

Manual Integrations  
 APPROVED

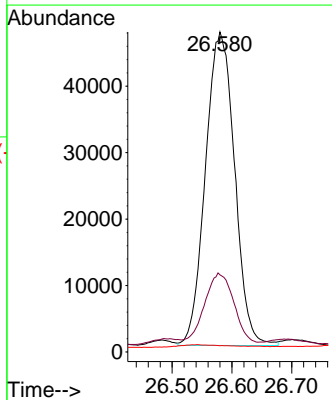
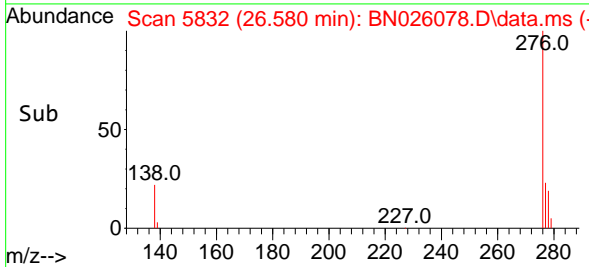
Reviewed By :Yogesh Patel 06/29/2023  
 Supervised By :mohammad ahmed 06/30/2023

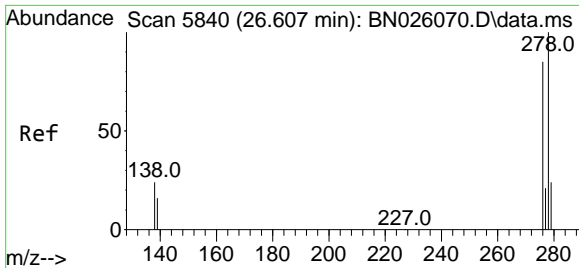


#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 2.190 ng/u1  
 RT: 26.580 min Scan# 5832  
 Delta R.T. -0.014 min  
 Lab File: BN026078.D  
 Acq: 29 Jun 2023 03:44



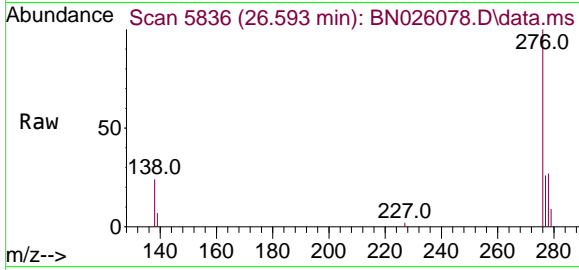
Tgt Ion:276 Resp: 159836  
 Ion Ratio Lower Upper  
 276 100  
 138 23.1 24.5 36.7#  
 227 0.0 0.0 0.0





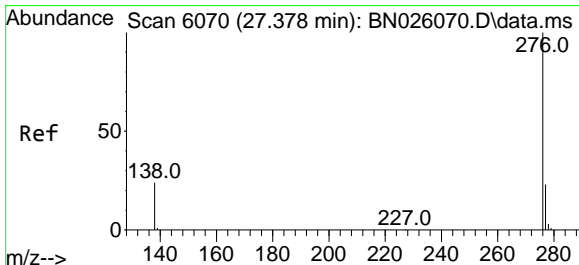
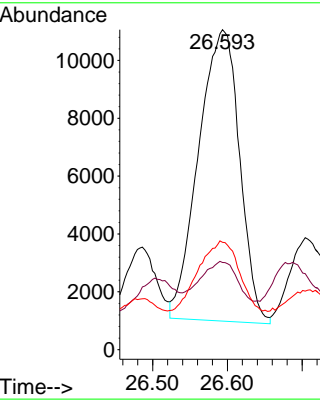
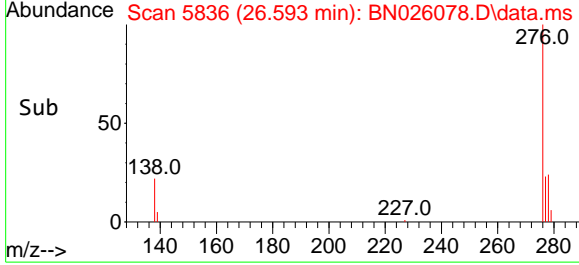
#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.695 ng/ul  
 RT: 26.593 min Scan# 5836  
 Delta R.T. -0.021 min  
 Lab File: BN026078.D  
 Acq: 29 Jun 2023 03:44

Instrument : BNA\_N  
 ClientSampleId : DCFT8

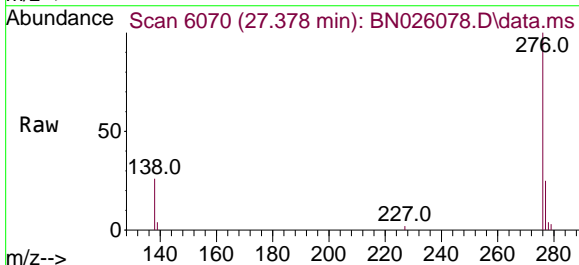


Tgt Ion:278 Resp: 3839  
 Ion Ratio Lower Upper  
 278 100  
 139 27.3 19.0 28.4  
 279 33.6 26.7 40.1

Manual Integrations  
**APPROVED**  
 Reviewed By :Yogesh Patel 06/29/2023  
 Supervised By :mohammad ahmed 06/30/2023



#29  
 Benzo(g,h,i)perylene  
 Concen: 2.390 ng/ul  
 RT: 27.378 min Scan# 6070  
 Delta R.T. -0.008 min  
 Lab File: BN026078.D  
 Acq: 29 Jun 2023 03:44



Tgt Ion:276 Resp: 155217  
 Ion Ratio Lower Upper  
 276 100  
 138 26.1 23.4 35.0  
 277 24.6 20.0 30.0

