

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100523\  
 Data File : BN028087.D  
 Acq On : 06 Oct 2023 16:30  
 Operator : MA/JU  
 Sample : 04527-04DL 5X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EZYK5DL

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/08/2023  
 Supervised By :mohammad ahmed 10/08/2023

Quant Time: Oct 07 00:31:30 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN100323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 06 05:15:40 2023  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	5496	0.400	ng/ul	0.00
4) Naphthalene-d8	10.757	136	17212	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.583	164	9062	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.341	188	18376	0.400	ng/ul	0.00
17) Chrysene-d12	21.527	240	16152	0.400	ng/ul #	0.00
23) Perylene-d12	23.997	264	18583	0.400	ng/ul #	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.330	96	3652	0.529	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.341	152	858	0.031	ng/ul	0.00
18) Fluoranthene-d10	19.366	212	1757	0.034	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.806	128	1246	0.026	ng/ul#	79
7) 2-Methylnaphthalene	12.418	142	1224	0.040	ng/ul	97
10) Acenaphthylene	14.314	152	2004	0.049	ng/ul#	85
15) Phenanthrene	17.379	178	5702	0.104	ng/ul#	91
16) Anthracene	17.472	178	3073	0.063	ng/ul#	82
19) Fluoranthene	19.399	202	9356	0.152	ng/ul	98
20) Pyrene	19.761	202	13116	0.205	ng/ul#	94
21) Benzo(a)anthracene	21.510	228	7377	0.125	ng/ul#	57
22) Chrysene	21.565	228	19778m	0.332	ng/ul	
24) Benzo(b)fluoranthene	23.234	252	27321m	0.396	ng/ul	
25) Benzo(k)fluoranthene	23.278	252	7596m	0.111	ng/ul	
26) Benzo(a)pyrene	23.886	252	14826	0.252	ng/ul#	23
27) Indeno(1,2,3-cd)pyrene	26.589	276	15772	0.222	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.582	278	4768	0.082	ng/ul#	1
29) Benzo(g,h,i)perylene	27.407	276	22707	0.391	ng/ul#	70

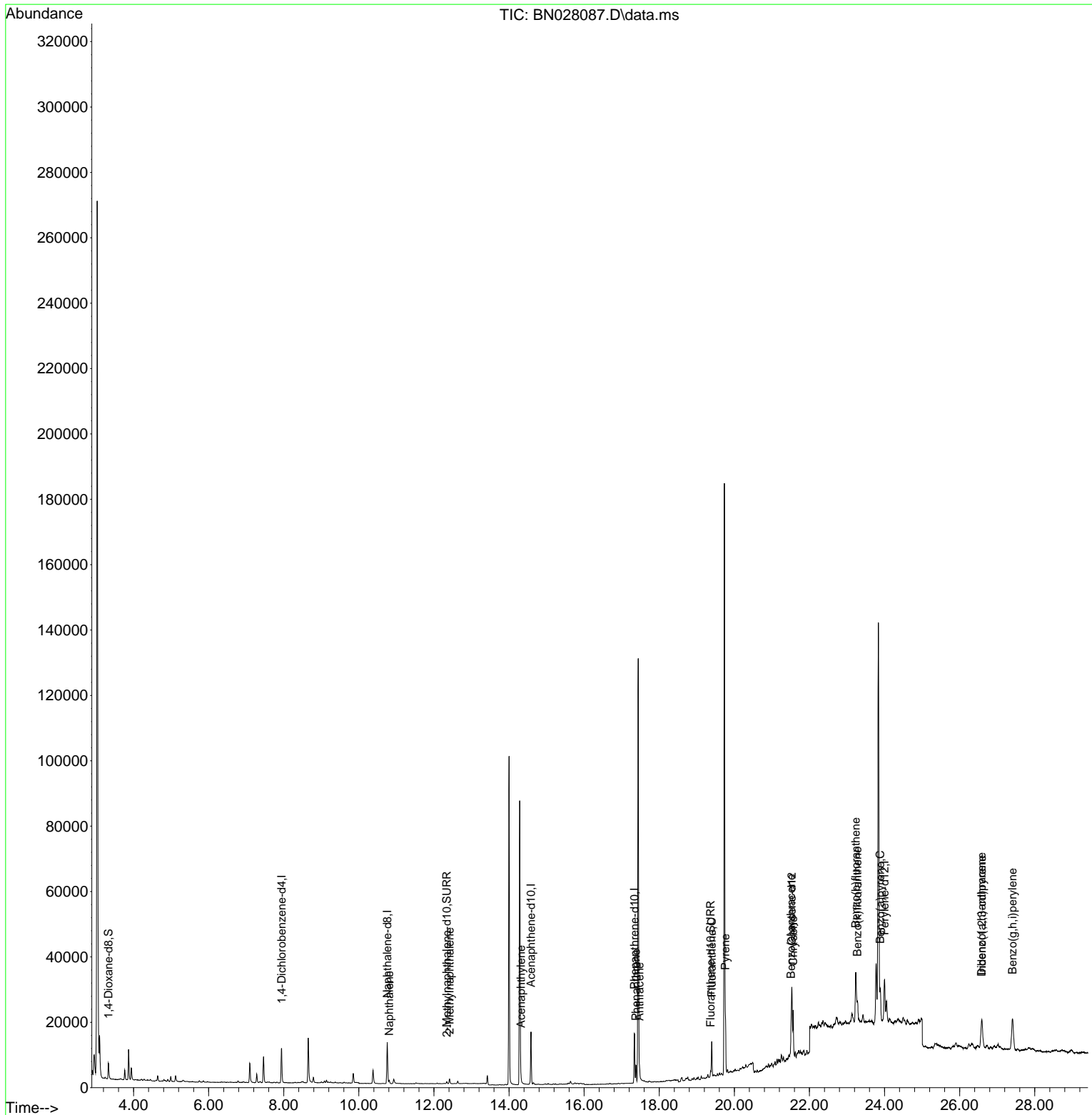
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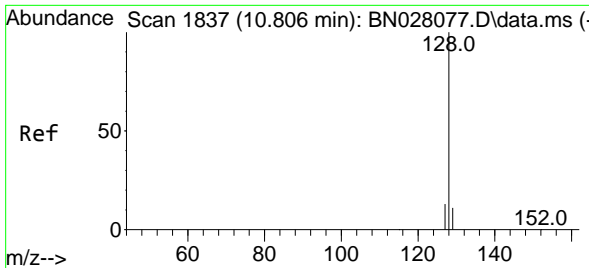
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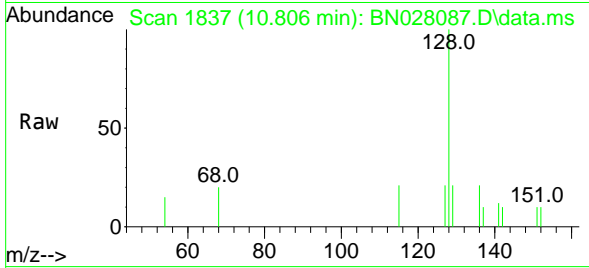
#5  
 Naphthalene  
 Concen: 0.026 ng/uI  
 RT: 10.806 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: BN028087.D  
 Acq: 06 Oct 2023 16:30

Instrument :

BNA\_N

ClientSampleId :

EZYK5DL

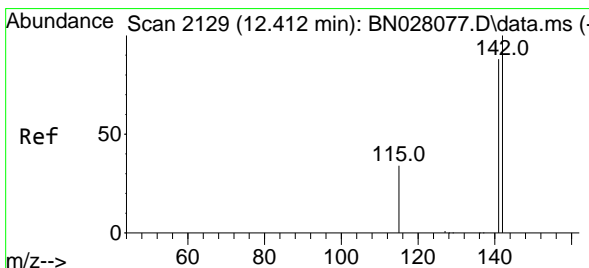
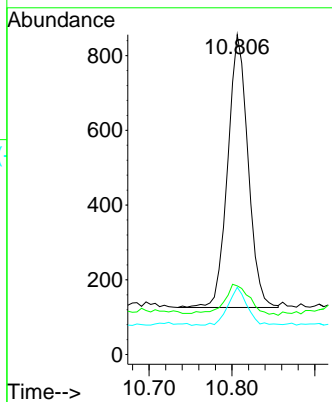
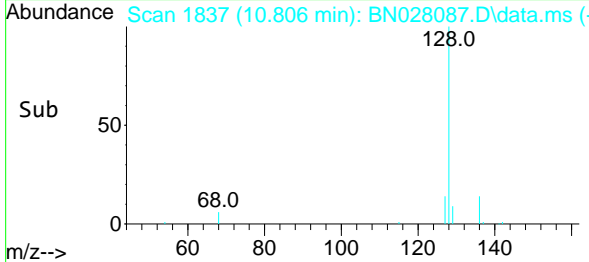


Tgt Ion:128 Resp: 1240  
 Ion Ratio Lower Upper  
 128 100  
 129 21.5 9.4 14.0  
 127 21.0 11.0 16.4

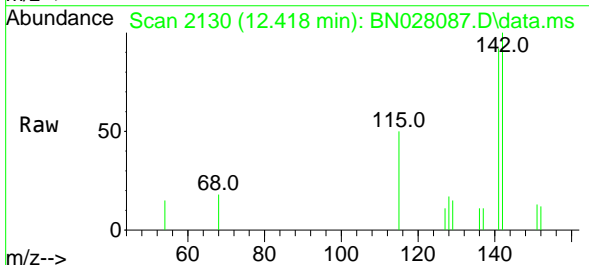
Manual Integrations

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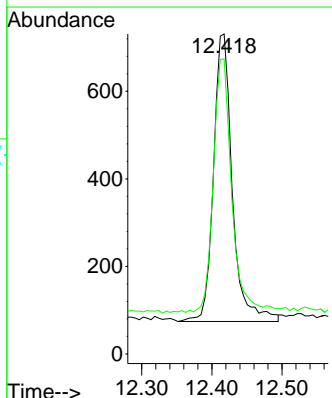
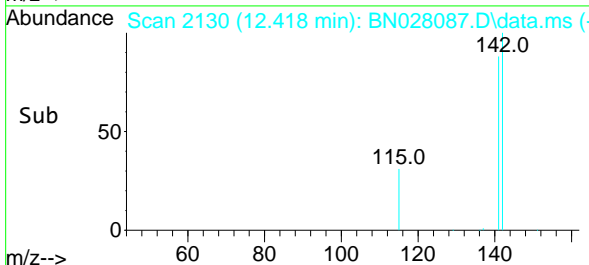
Reviewed By :Yogesh Patel 10/08/2023  
 Supervised By :mohammad ahmed 10/08/2023

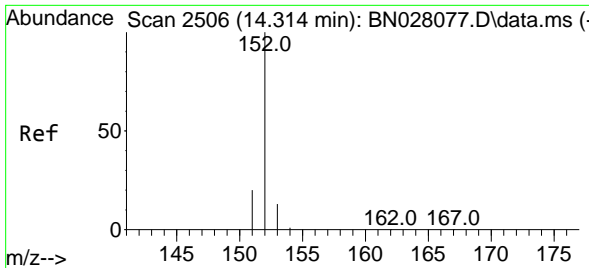


#7  
 2-Methylnaphthalene  
 Concen: 0.040 ng/uI  
 RT: 12.418 min Scan# 2130  
 Delta R.T. 0.005 min  
 Lab File: BN028087.D  
 Acq: 06 Oct 2023 16:30



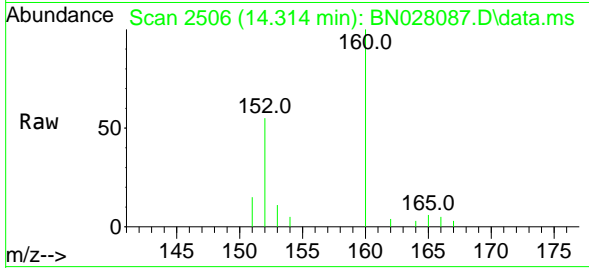
Tgt Ion:142 Resp: 1224  
 Ion Ratio Lower Upper  
 142 100  
 141 86.1 70.9 106.3





#10  
 Acenaphthylene  
 Concen: 0.049 ng/u1  
 RT: 14.314 min Scan# 21  
 Delta R.T. 0.005 min  
 Lab File: BN028087.D  
 Acq: 06 Oct 2023 16:30

Instrument :  
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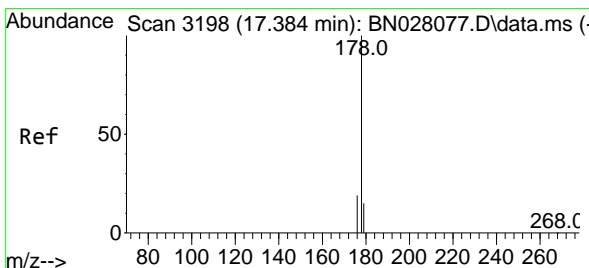
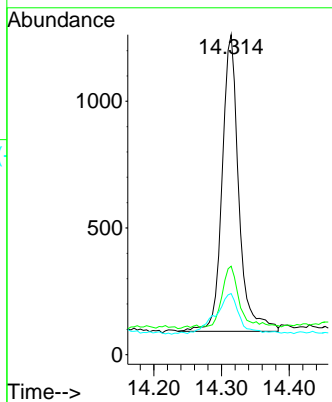
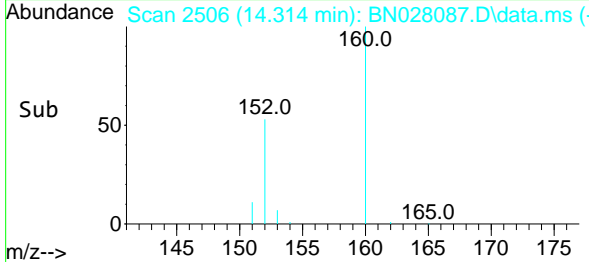


Tgt Ion:152 Resp: 2004

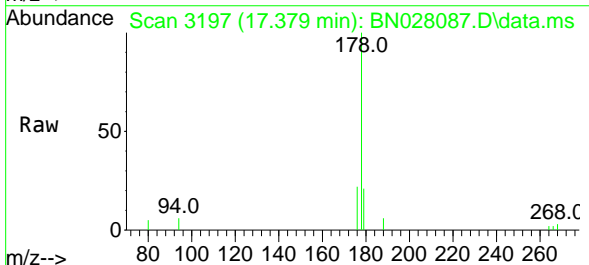
Ion	Ratio	Lower	Upper
152	100		
151	27.6	16.4	24.6
153	19.1	10.9	16.3

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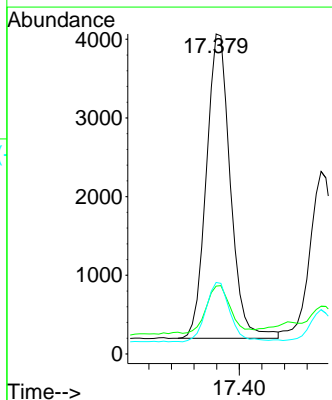
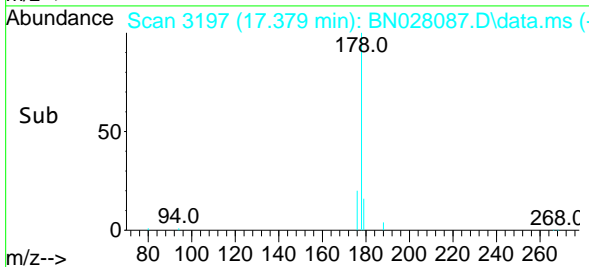


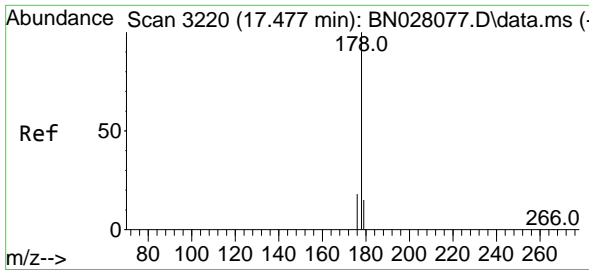
#15  
 Phenanthrene  
 Concen: 0.104 ng/u1  
 RT: 17.379 min Scan# 3197  
 Delta R.T. 0.004 min  
 Lab File: BN028087.D  
 Acq: 06 Oct 2023 16:30



Tgt Ion:178 Resp: 5702

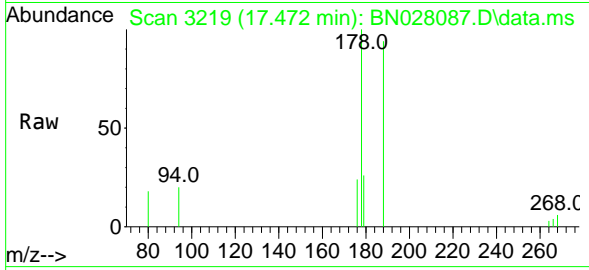
Ion	Ratio	Lower	Upper
178	100		
179	21.2	12.6	19.0
176	22.4	15.5	23.3





#16  
 Anthracene  
 Concen: 0.063 ng/u1  
 RT: 17.472 min Scan# 319  
 Delta R.T. 0.004 min  
 Lab File: BN028087.D  
 Acq: 06 Oct 2023 16:30

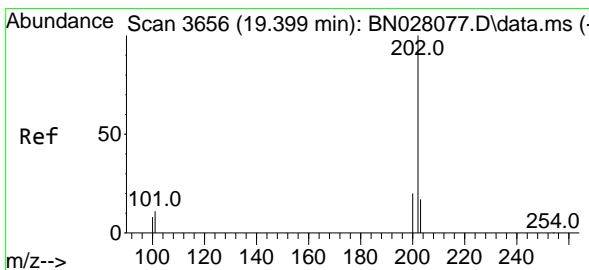
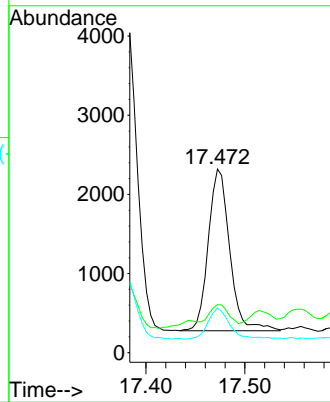
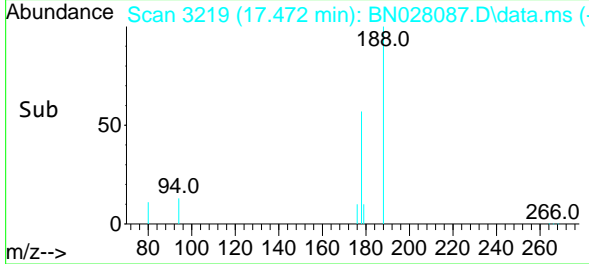
Instrument :  
 BNA\_N  
 ClientSampleId :  
 EZYK5DL



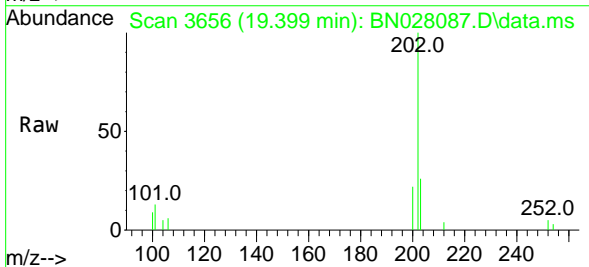
Tgt Ion:178 Resp: 3072  
 Ion Ratio Lower Upper  
 178 100  
 179 26.2 12.8 19.2  
 176 24.3 15.0 22.6

Manual Integrations  
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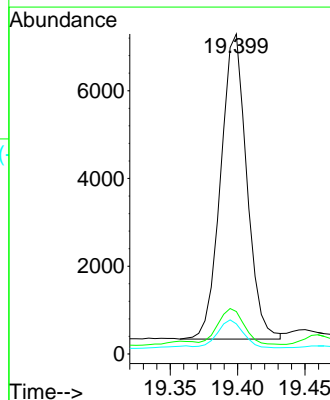
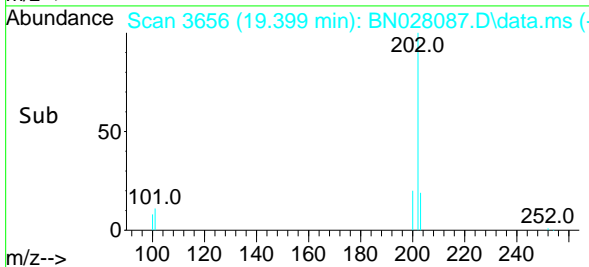
Reviewed By :Yogesh Patel 10/08/2023  
 Supervised By :mohammad ahmed 10/08/2023

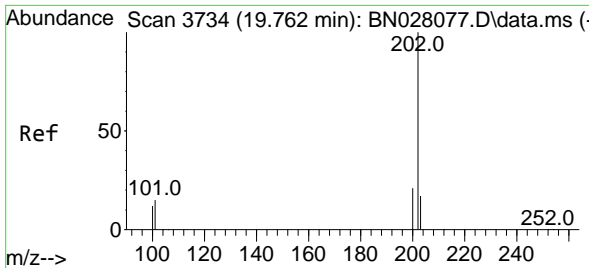


#19  
 Fluoranthene  
 Concen: 0.152 ng/u1  
 RT: 19.399 min Scan# 3656  
 Delta R.T. 0.009 min  
 Lab File: BN028087.D  
 Acq: 06 Oct 2023 16:30



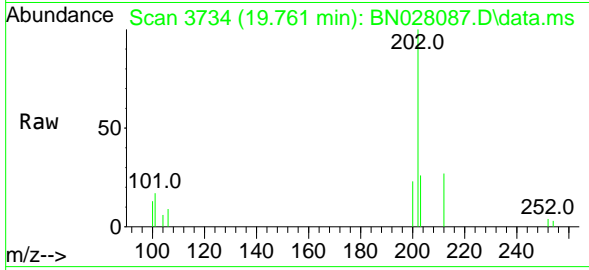
Tgt Ion:202 Resp: 9356  
 Ion Ratio Lower Upper  
 202 100  
 101 13.2 9.6 14.4  
 100 9.4 7.4 11.0





#20  
 Pyrene  
 Concen: 0.205 ng/u1  
 RT: 19.761 min Scan# 31  
 Delta R.T. 0.005 min  
 Lab File: BN028087.D  
 Acq: 06 Oct 2023 16:30

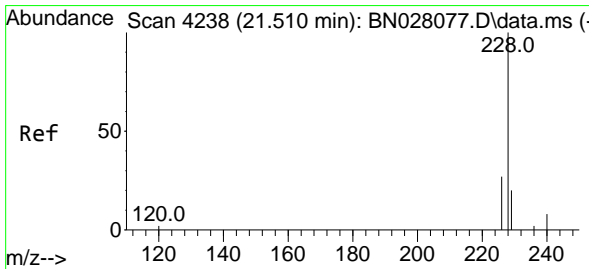
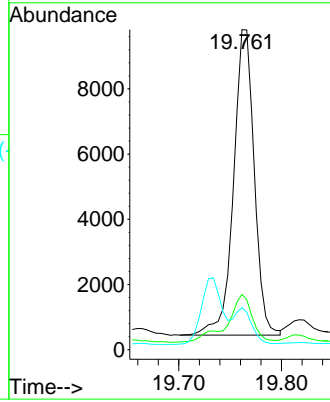
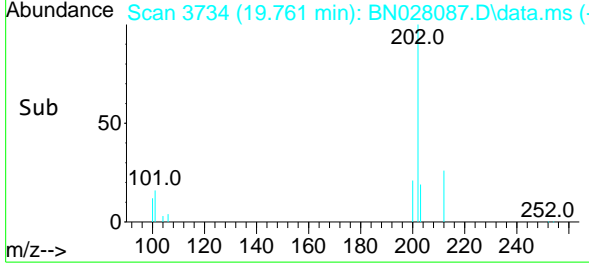
Instrument :  
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Tgt Ion:202 Resp: 13110  
 Ion Ratio Lower Upper  
 202 100  
 101 17.2 11.2 16.8#  
 100 13.1 9.1 13.7

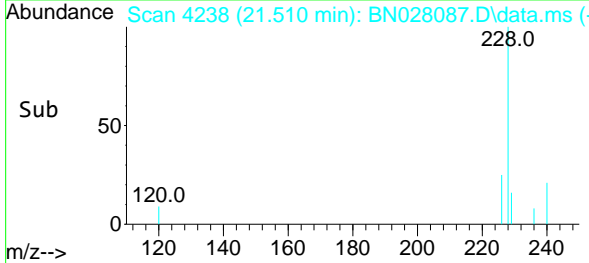
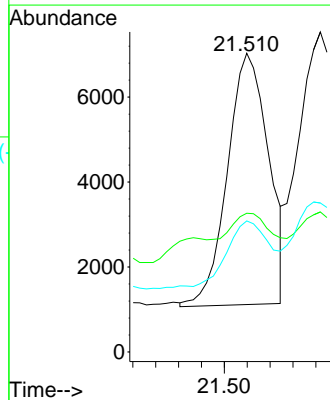
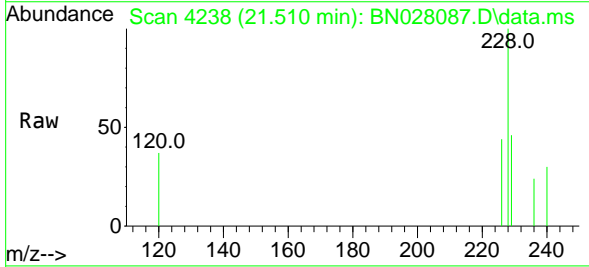
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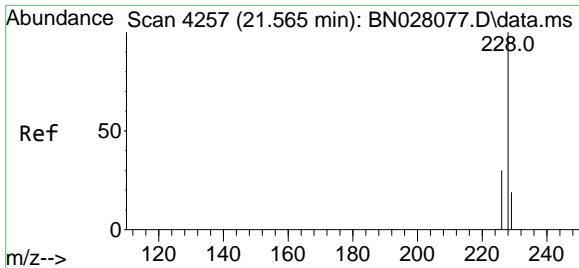
Reviewed By :Yogesh Patel 10/08/2023  
 Supervised By :mohammad ahmed 10/08/2023



#21  
 Benzo(a)anthracene  
 Concen: 0.125 ng/u1  
 RT: 21.510 min Scan# 4238  
 Delta R.T. 0.009 min  
 Lab File: BN028087.D  
 Acq: 06 Oct 2023 16:30

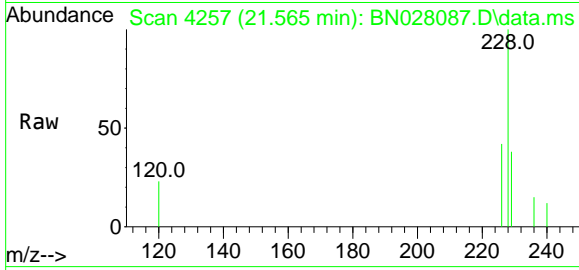
Tgt Ion:228 Resp: 7377  
 Ion Ratio Lower Upper  
 228 100  
 229 46.4 16.0 24.0#  
 226 43.9 21.5 32.3#





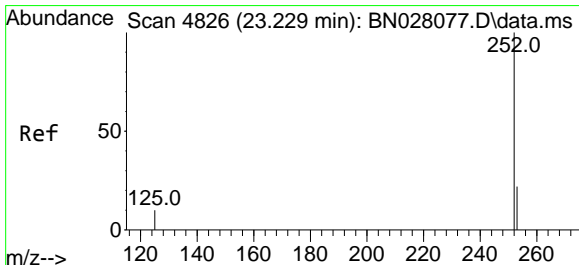
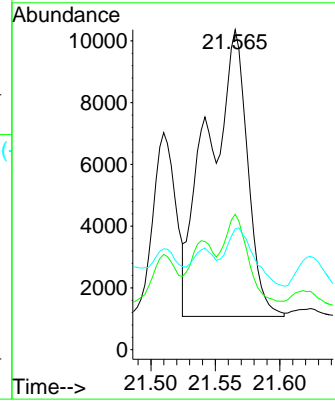
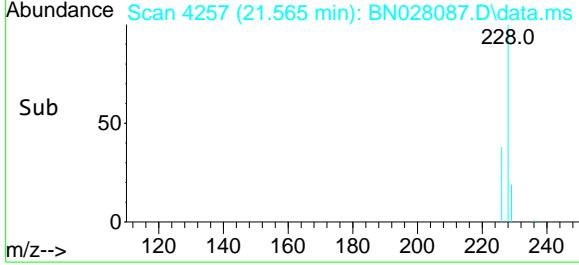
#22  
 Chrysene  
 Concen: 0.332 ng/ul m  
 RT: 21.565 min Scan# 4257  
 Delta R.T. 0.009 min  
 Lab File: BN028087.D  
 Acq: 06 Oct 2023 16:30

Instrument : BNA\_N  
 ClientSampleId : EZYK5DL

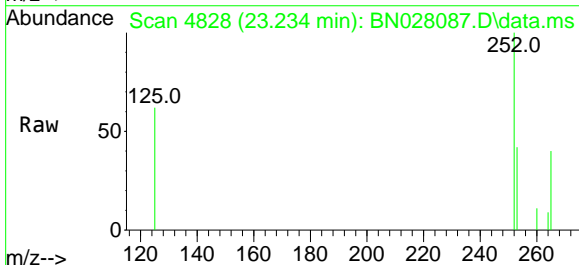


Tgt Ion:228 Resp: 19778  
 Ion Ratio Lower Upper  
 228 100  
 226 42.3 23.8 35.8  
 229 37.7 16.0 24.0

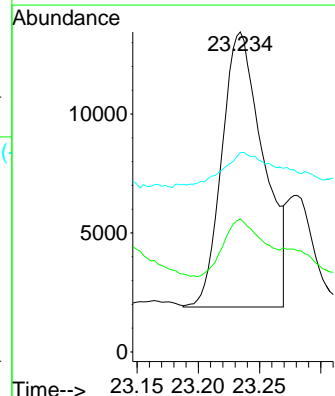
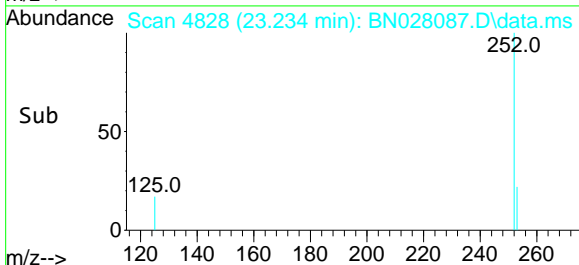
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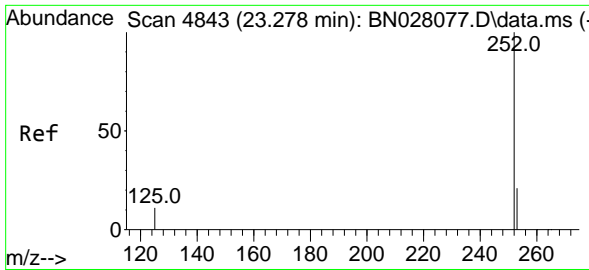


#24  
 Benzo(b)fluoranthene  
 Concen: 0.396 ng/ul m  
 RT: 23.234 min Scan# 4828  
 Delta R.T. 0.017 min  
 Lab File: BN028087.D  
 Acq: 06 Oct 2023 16:30



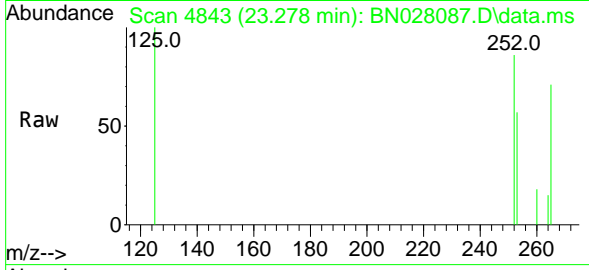
Tgt Ion:252 Resp: 27321  
 Ion Ratio Lower Upper  
 252 100  
 253 41.6 0.0 54.0  
 125 62.3 0.0 31.4





#25  
 Benzo(k)fluoranthene  
 Concen: 0.111 ng/ul m  
 RT: 23.278 min Scan# 4843  
 Delta R.T. 0.012 min  
 Lab File: BN028087.D  
 Acq: 06 Oct 2023 16:30

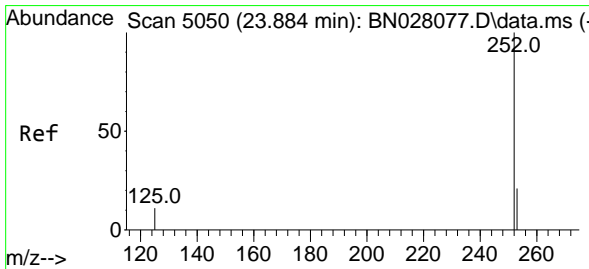
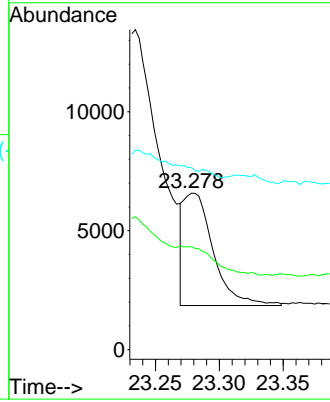
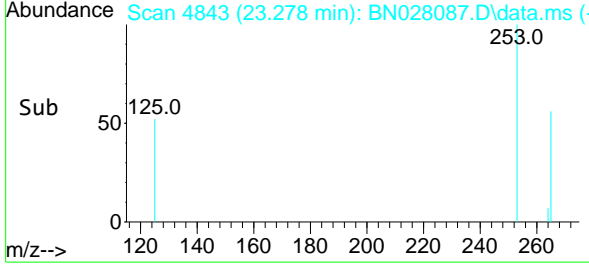
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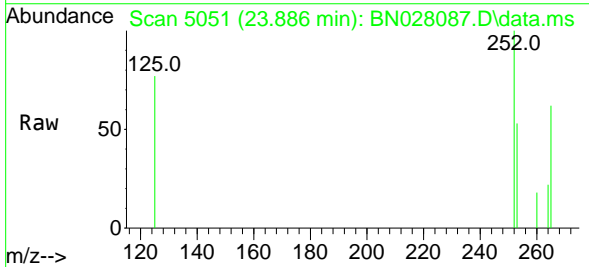
Tgt Ion:252 Resp: 7590  
 Ion Ratio Lower Upper  
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 253 65.8 21.8 32.8#  
 125 116.3 12.8 19.2#

Manual Integrations  
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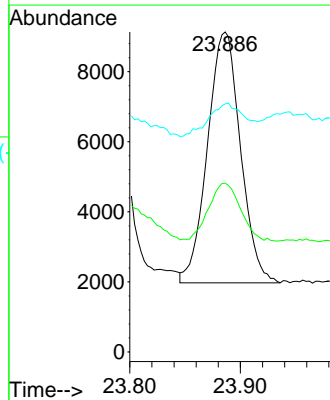
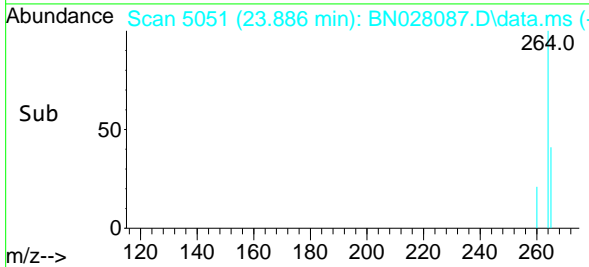
Reviewed By :Yogesh Patel 10/08/2023  
 Supervised By :mohammad ahmed 10/08/2023



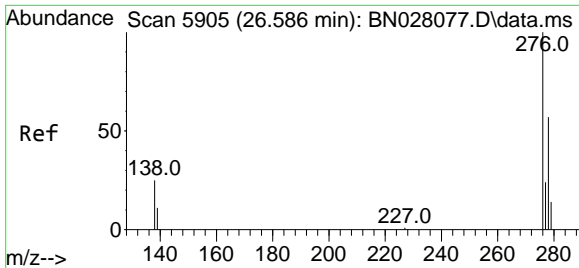
#26  
 Benzo(a)pyrene  
 Concen: 0.252 ng/ul  
 RT: 23.886 min Scan# 5051  
 Delta R.T. 0.017 min  
 Lab File: BN028087.D  
 Acq: 06 Oct 2023 16:30



Tgt Ion:252 Resp: 14826  
 Ion Ratio Lower Upper  
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 253 52.7 23.4 35.2#  
 125 77.5 15.3 22.9#

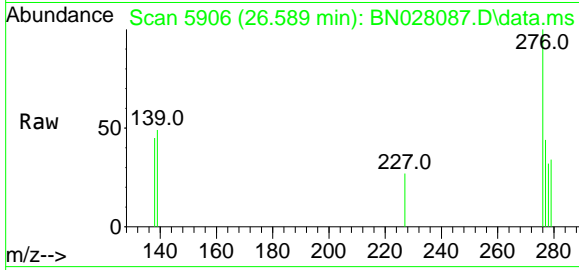






#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.222 ng/u1  
 RT: 26.589 min Scan# 5905  
 Delta R.T. 0.023 min  
 Lab File: BN028087.D  
 Acq: 06 Oct 2023 16:30

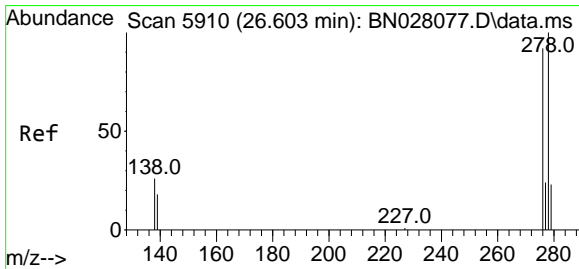
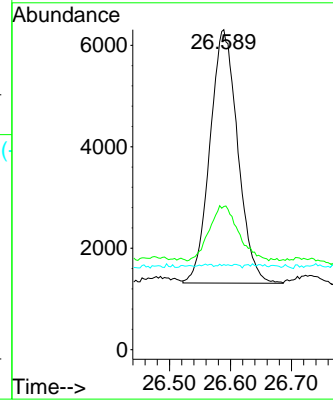
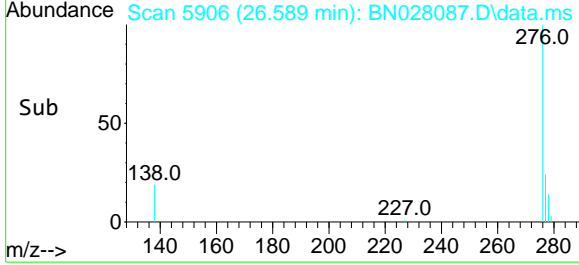
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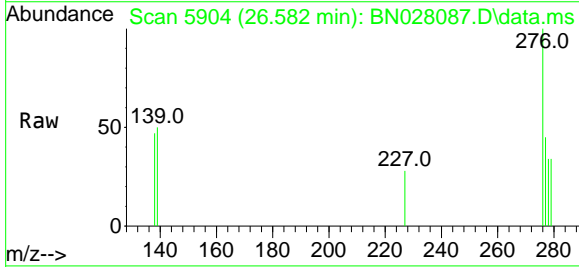
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 Ion Ratio Lower Upper  
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 227 0.3 0.2 0.2

**Manual Integrations**  
**APPROVED**

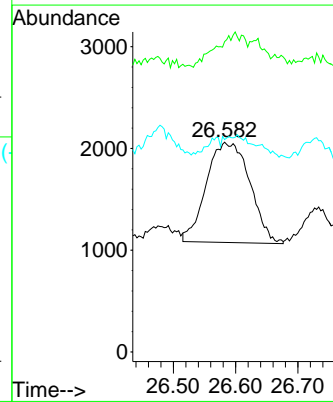
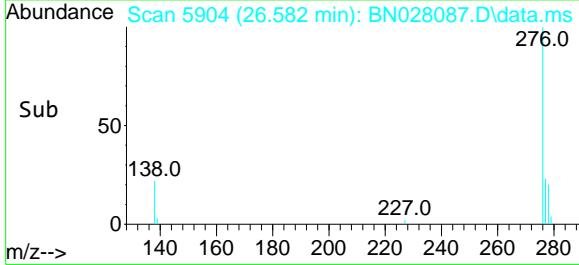
Reviewed By :Yogesh Patel 10/08/2023  
 Supervised By :mohammad ahmed 10/08/2023

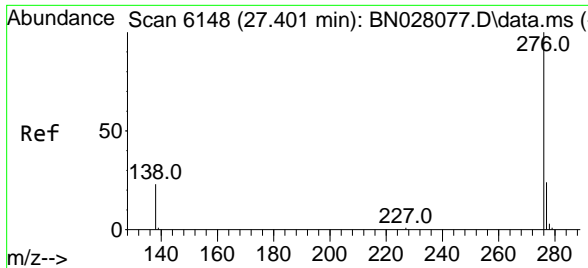


#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.082 ng/u1  
 RT: 26.582 min Scan# 5904  
 Delta R.T. -0.000 min  
 Lab File: BN028087.D  
 Acq: 06 Oct 2023 16:30



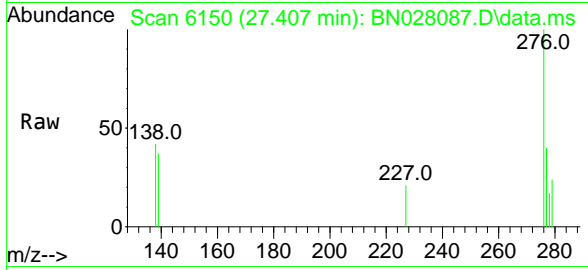
Tgt Ion:278 Resp: 4768  
 Ion Ratio Lower Upper  
 278 100  
 139 147.9 15.9 23.9#  
 279 101.3 22.8 34.2#





#29  
 Benzo(g,h,i)perylene  
 Concen: 0.391 ng/ul  
 RT: 27.407 min Scan# 6150  
 Delta R.T. 0.030 min  
 Lab File: BN028087.D  
 Acq: 06 Oct 2023 16:30

Instrument : BNA\_N  
 ClientSampleId : EZYK5DL



Tgt Ion: 276 Resp: 2270

Ion	Ratio	Lower	Upper
276	100		
138	41.5	19.8	29.6
277	39.7	20.6	31.0

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