

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071823\
 Data File : BN026578.D
 Acq On : 19 Jul 2023 00:11
 Operator : MA/JU
 Sample : 03458-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A46M1

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

07/19/2023
 Supervised By :mohammad
 ahmed

Quant Time: Jul 19 00:55:09 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN071223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 19 00:52:36 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.925	152	1647	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.732	136	5126	0.400	ng/ul	#-0.02
9) Acenaphthene-d10	14.570	164	3699	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.321	188	10195	0.400	ng/ul	-0.01
17) Chrysene-d12	21.511	240	14393	0.400	ng/ul	#-0.01
23) Perylene-d12	23.946	264	16245	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.284	96	3526	1.626	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.332	152	1313	0.188	ng/ul	-0.01
18) Fluoranthene-d10	19.349	212	6230	0.125	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.787	128	4962	0.353	ng/ul	97
7) 2-Methylnaphthalene	12.403	142	1784	0.223	ng/ul	98
8) 1-Methylnaphthalene	12.618	142	1556	0.182	ng/ul	99
10) Acenaphthylene	14.293	152	1517	0.084	ng/ul#	71
11) Acenaphthene	14.635	153	13526	0.980	ng/ul	98
12) Fluorene	15.620	166	14852	1.026	ng/ul	100
15) Phenanthrene	17.359	178	276682	8.521	ng/ul	97
16) Anthracene	17.452	178	27381	0.972	ng/ul	98
19) Fluoranthene	19.382	202	335611	4.975	ng/ul#	94
20) Pyrene	19.744	202	300551	4.102	ng/ul#	95
21) Benzo(a)anthracene	21.497	228	167164	3.160	ng/ul	98
22) Chrysene	21.549	228	205500	3.413	ng/ul	99
24) Benzo(b)fluoranthene	23.201	252	181338m	2.865	ng/ul	
25) Benzo(k)fluoranthene	23.248	252	61248m	0.923	ng/ul	
26) Benzo(a)pyrene	23.835	252	44361	0.787	ng/ul#	77
27) Indeno(1,2,3-cd)pyrene	26.474	276	43481	0.589	ng/ul#	78
28) Dibenzo(a,h)anthracene	26.484	278	18701	0.330	ng/ul#	90
29) Benzo(g,h,i)perylene	27.272	276	2825	0.043	ng/ul#	72

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

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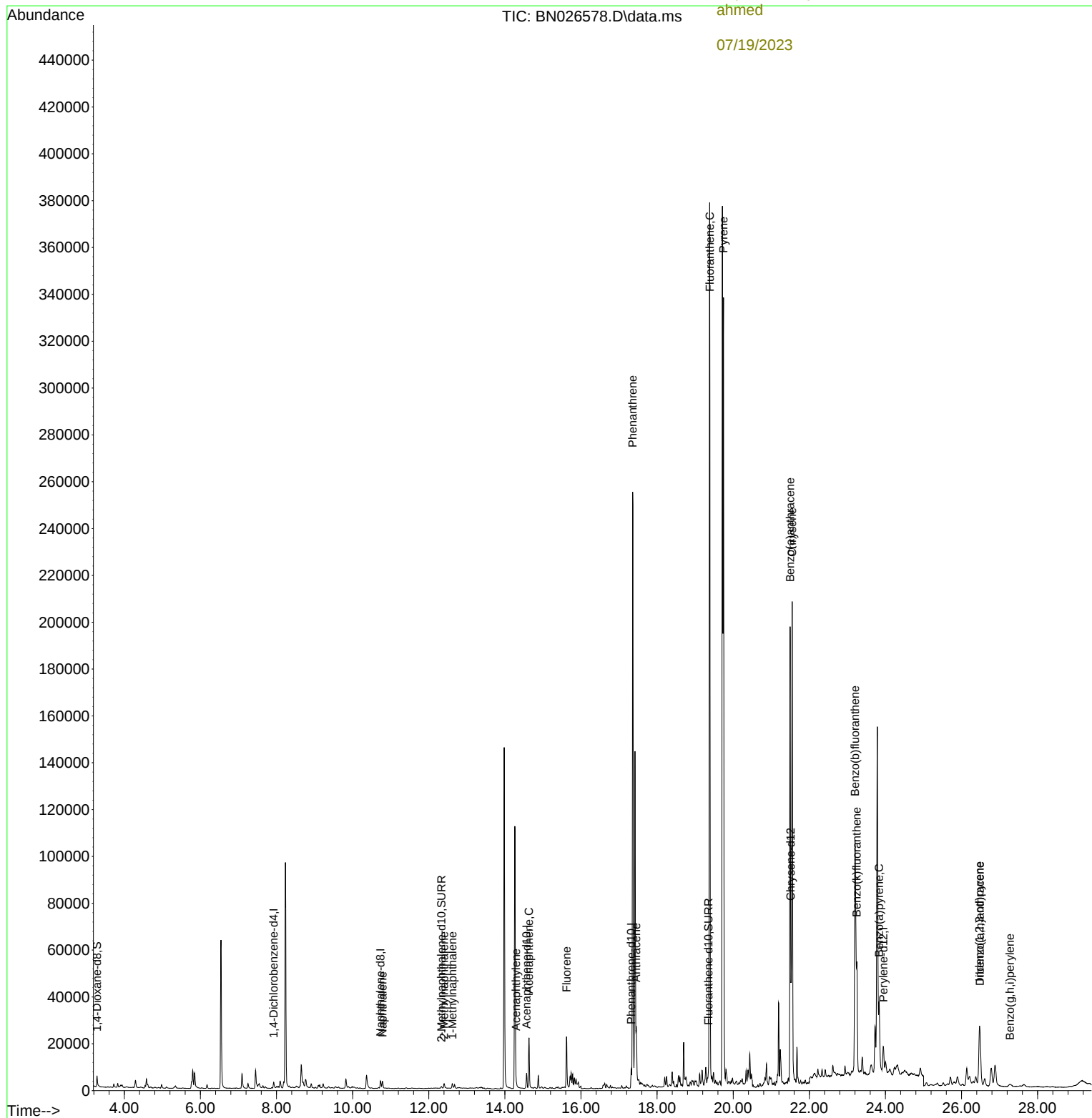
Quant Time: Jul 19 00:55:09 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN071223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 19 00:52:36 2023
Response via : Initial Calibration

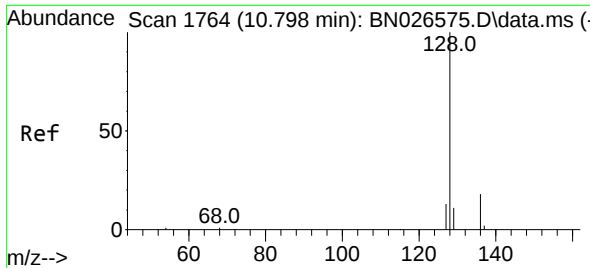
Manual Integrations
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Reviewed By :Yogesh
Patel

07/19/2023
Supervised By :mohammad
ahmed

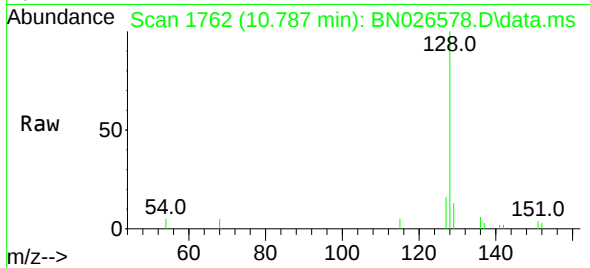
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#5
Naphthalene
Concen: 0.353 ng/ul
RT: 10.787 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN026578.D
Acq: 19 Jul 2023 00:11

Instrument :
BNA_N
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A46M1



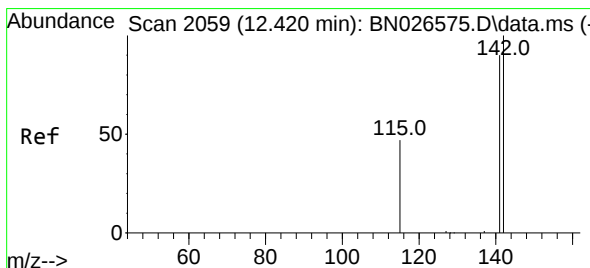
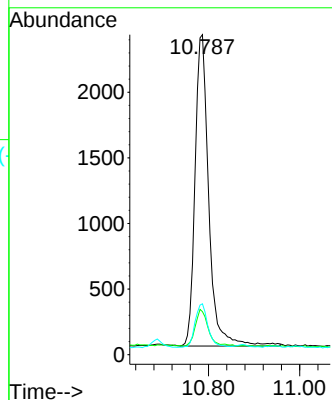
Tgt Ion:128 Resp: 496
Ion Ratio Lower Upper
128 100
129 13.4 10.2 15.2
127 15.9 11.4 17.0

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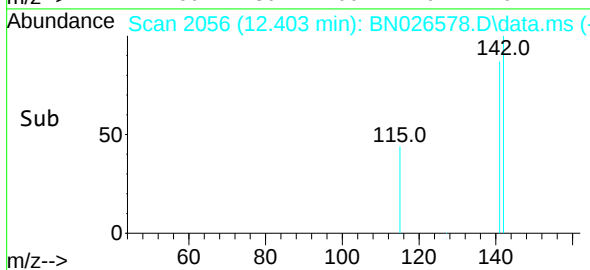
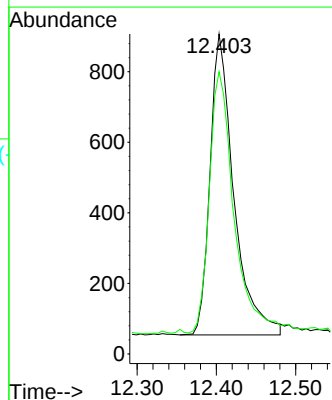
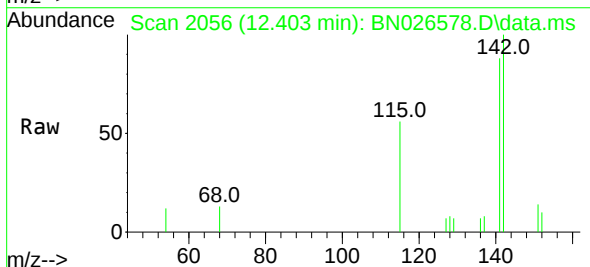
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ahmed

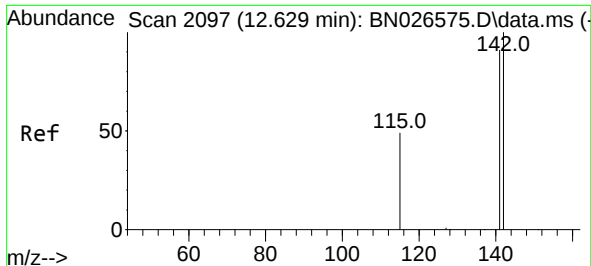
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#7
2-Methylnaphthalene
Concen: 0.223 ng/ul
RT: 12.403 min Scan# 2056
Delta R.T. -0.016 min
Lab File: BN026578.D
Acq: 19 Jul 2023 00:11

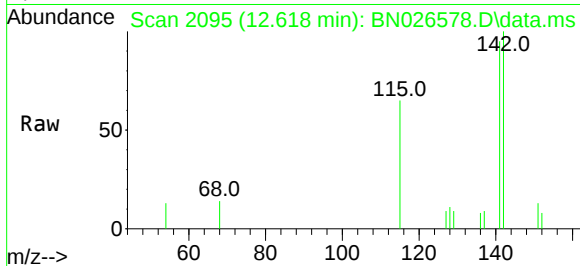
Tgt Ion:142 Resp: 1784
Ion Ratio Lower Upper
142 100
141 88.9 72.3 108.5





#8
1-Methylnaphthalene
Concen: 0.182 ng/ul
RT: 12.618 min Scan# 2095
Delta R.T. -0.011 min
Lab File: BN026578.D
Acq: 19 Jul 2023 00:11

Instrument :
BNA_N
ClientSampleId :
A46M1



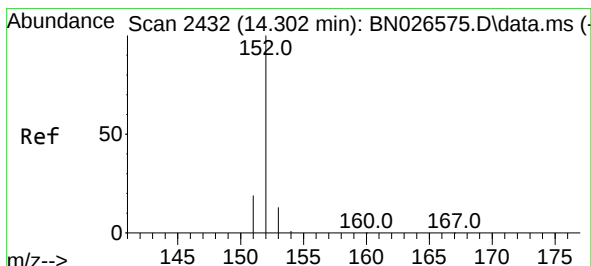
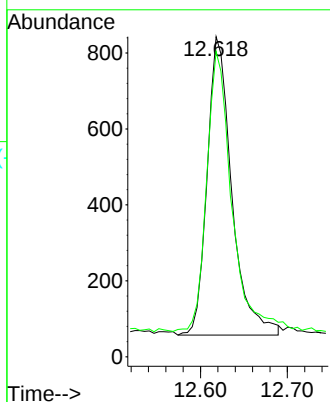
Tgt Ion:142 Resp: 1550
Ion Ratio Lower Upper
142 100
141 93.8 74.5 111.7

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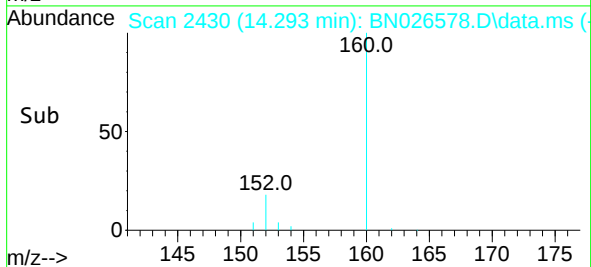
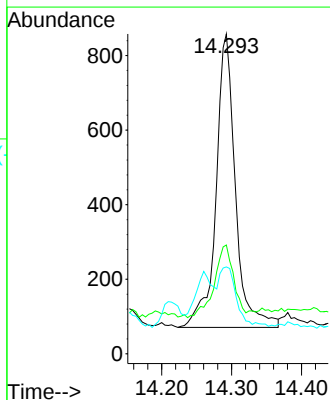
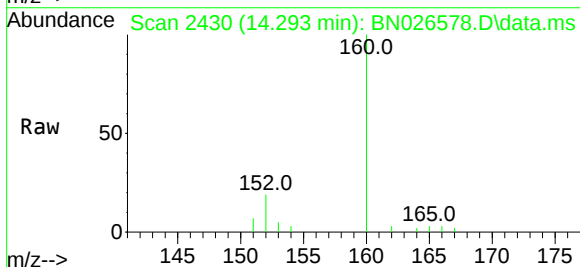
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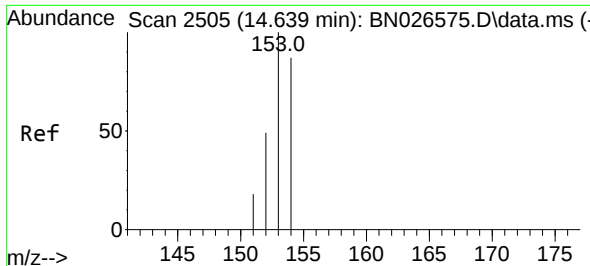
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#10
Acenaphthylene
Concen: 0.084 ng/ul
RT: 14.293 min Scan# 2430
Delta R.T. -0.009 min
Lab File: BN026578.D
Acq: 19 Jul 2023 00:11

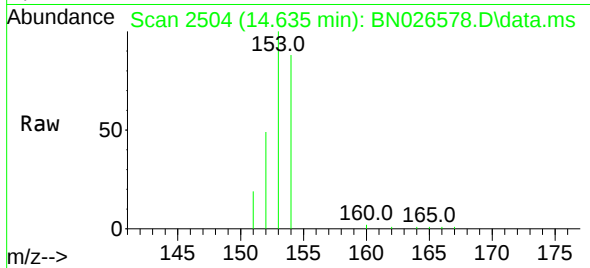
Tgt Ion:152 Resp: 1517
Ion Ratio Lower Upper
152 100
151 34.0 17.0 25.6#
153 27.2 11.4 17.2#





#11
Acenaphthene
Concen: 0.980 ng/ul
RT: 14.635 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN026578.D
Acq: 19 Jul 2023 00:11

Instrument :
BNA_N
ClientSampleId :
A46M1



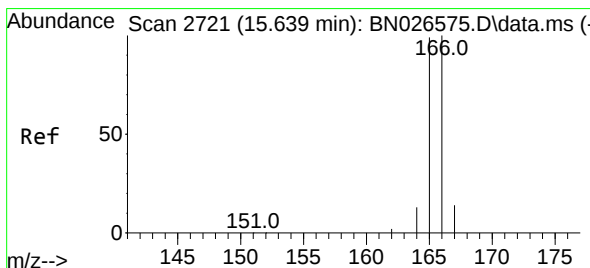
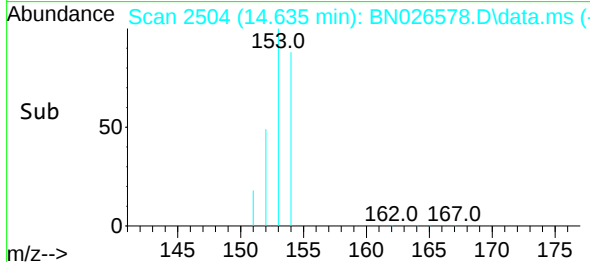
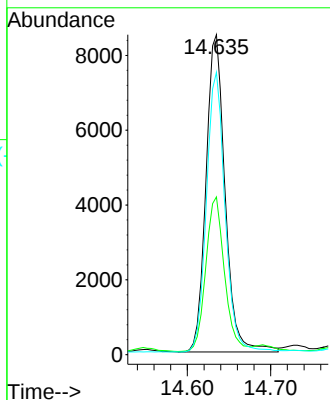
Tgt Ion:153 Resp: 13520
Ion Ratio Lower Upper
153 100
152 49.3 40.2 60.4
154 88.2 69.3 103.9

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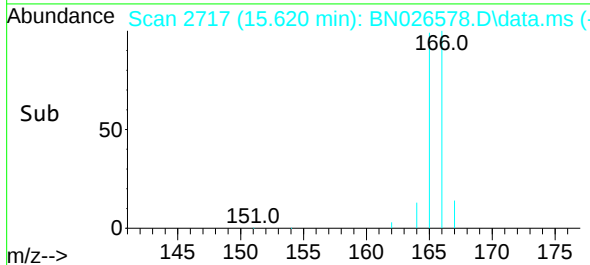
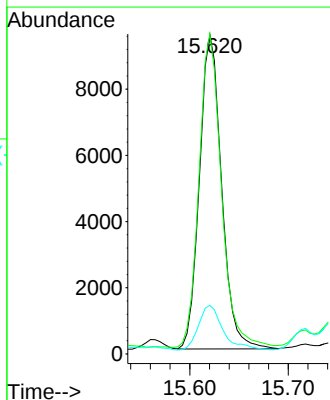
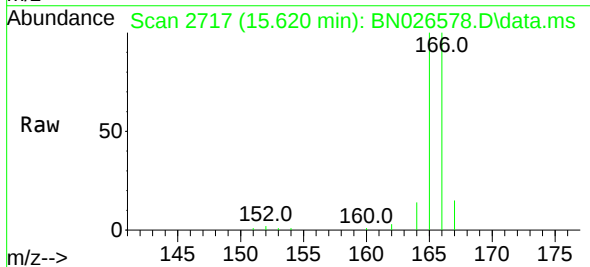
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Supervised By :mohammad
ahmed

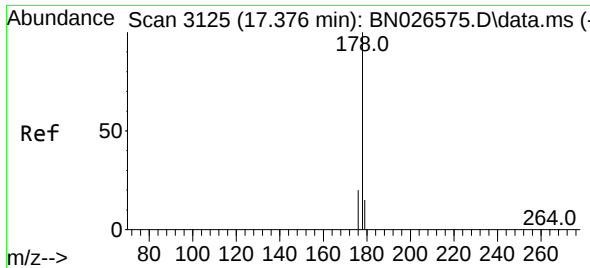
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#12
Fluorene
Concen: 1.026 ng/ul
RT: 15.620 min Scan# 2717
Delta R.T. -0.018 min
Lab File: BN026578.D
Acq: 19 Jul 2023 00:11

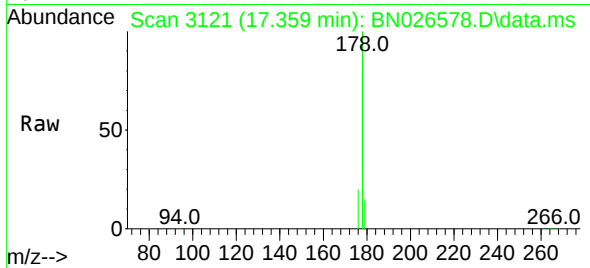
Tgt Ion:166 Resp: 14852
Ion Ratio Lower Upper
166 100
165 100.2 80.6 120.8
167 15.3 12.0 18.0





#15
Phenanthrene
Concen: 8.521 ng/u1
RT: 17.359 min Scan# 3121
Delta R.T. -0.017 min
Lab File: BN026578.D
Acq: 19 Jul 2023 00:11

Instrument :
BNA_N
ClientSampleId :
A46M1



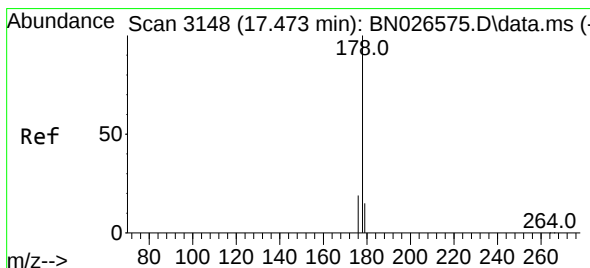
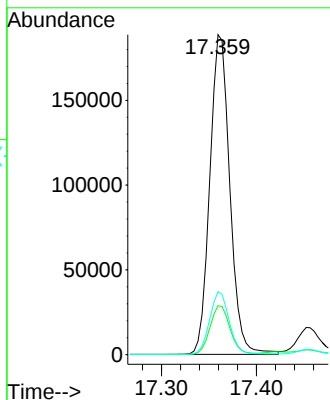
Tgt Ion:178 Resp: 27668
Ion Ratio Lower Upper
178 100
179 15.3 13.7 20.5
176 19.7 16.5 24.7

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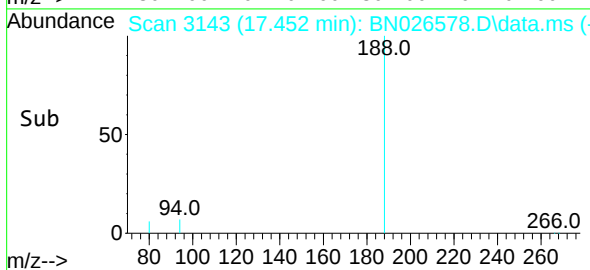
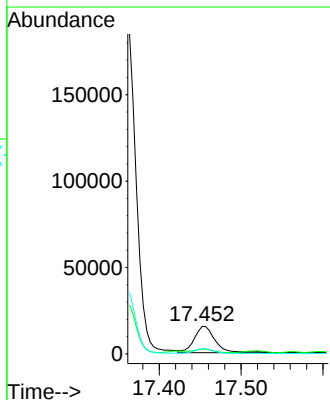
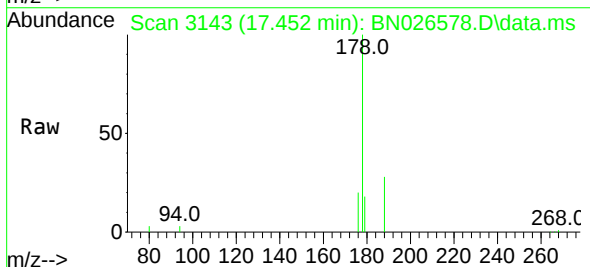
07/19/2023
Supervised By :mohammad
ahmed

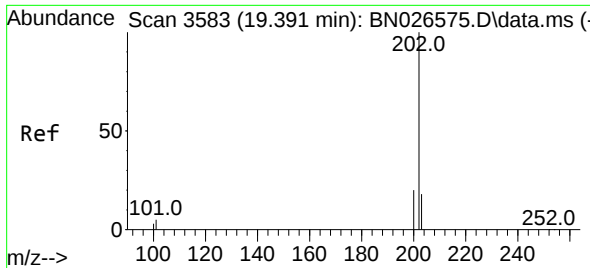
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#16
Anthracene
Concen: 0.972 ng/u1
RT: 17.452 min Scan# 3143
Delta R.T. -0.021 min
Lab File: BN026578.D
Acq: 19 Jul 2023 00:11

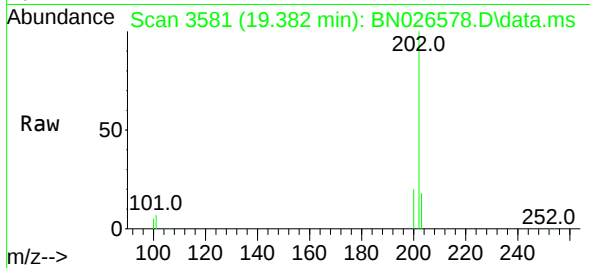
Tgt Ion:178 Resp: 27381
Ion Ratio Lower Upper
178 100
179 17.8 14.8 22.2
176 19.6 16.6 25.0





#19
Fluoranthene
Concen: 4.975 ng/u1
RT: 19.382 min Scan# 3581
Delta R.T. -0.009 min
Lab File: BN026578.D
Acq: 19 Jul 2023 00:11

Instrument :
BNA_N
ClientSampleId :
A46M1



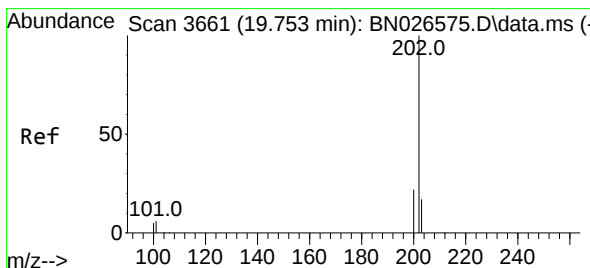
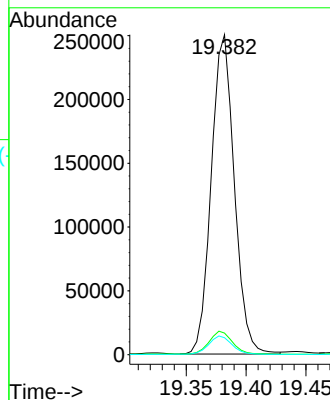
Tgt Ion:202 Resp: 335611
Ion Ratio Lower Upper
202 100
101 6.8 7.0 10.4
100 5.3 6.0 9.0

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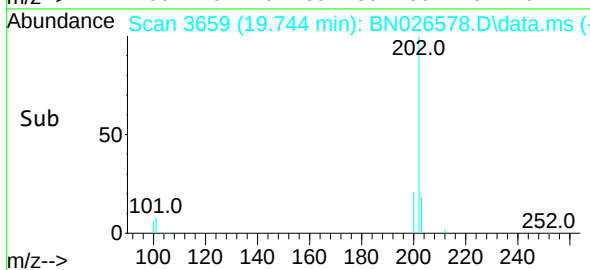
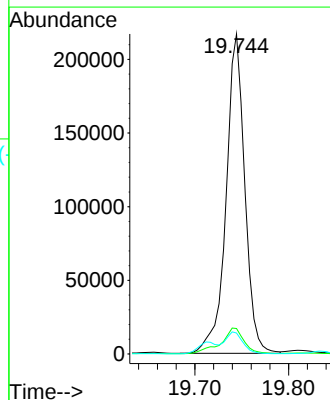
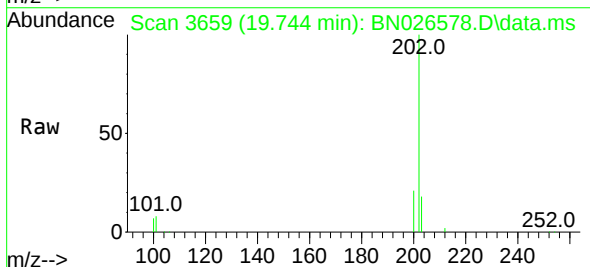
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ahmed

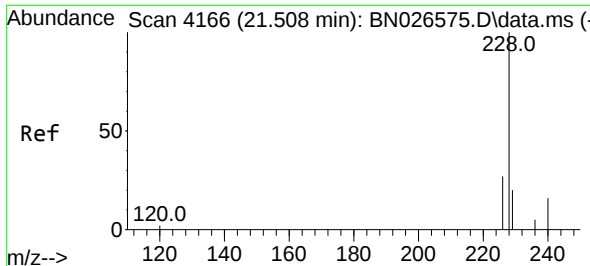
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#20
Pyrene
Concen: 4.102 ng/u1
RT: 19.744 min Scan# 3659
Delta R.T. -0.009 min
Lab File: BN026578.D
Acq: 19 Jul 2023 00:11

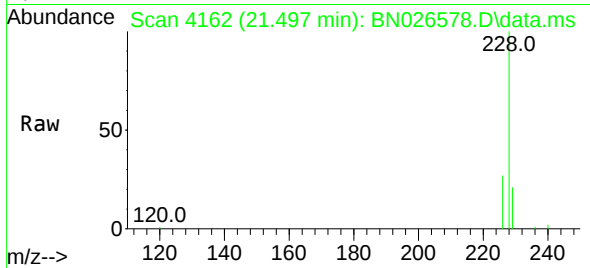
Tgt Ion:202 Resp: 300551
Ion Ratio Lower Upper
202 100
101 8.0 8.0 12.0
100 6.5 6.2 9.2





#21
Benzo(a)anthracene
Concen: 3.160 ng/u1
RT: 21.497 min Scan# 4166
Delta R.T. -0.011 min
Lab File: BN026578.D
Acq: 19 Jul 2023 00:11

Instrument :
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ClientSampleId :
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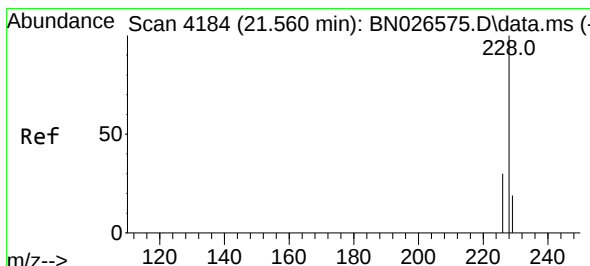
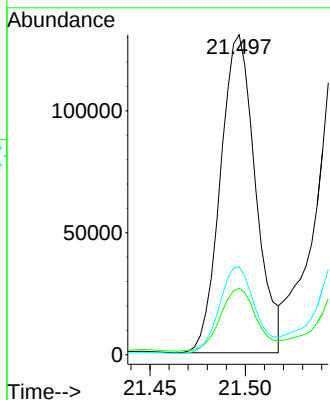
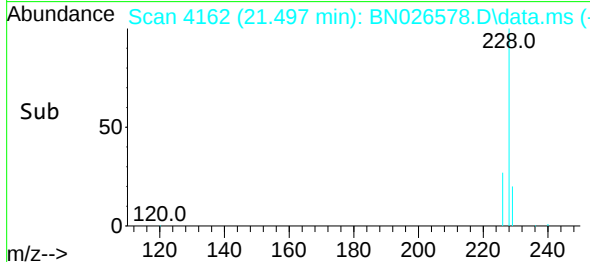
Tgt Ion:228 Resp: 167164
Ion Ratio Lower Upper
228 100
229 20.8 16.7 25.1
226 27.4 23.5 35.3

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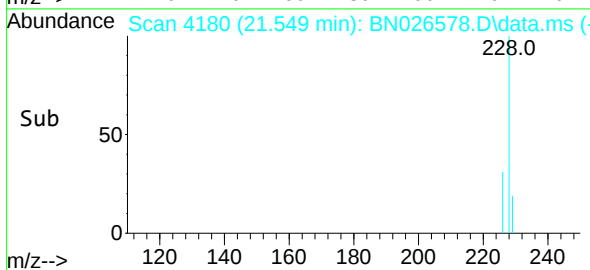
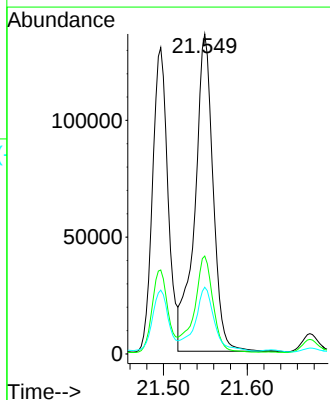
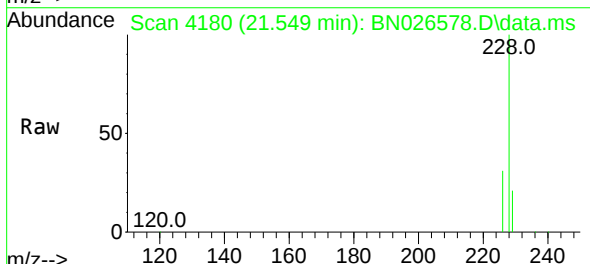
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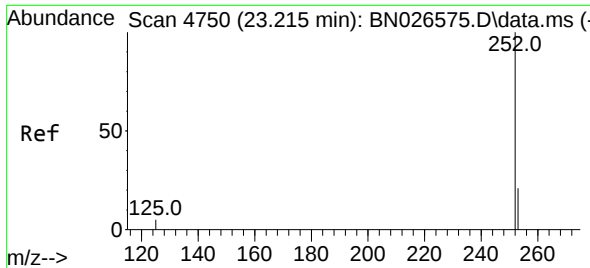
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#22
Chrysene
Concen: 3.413 ng/u1
RT: 21.549 min Scan# 4180
Delta R.T. -0.011 min
Lab File: BN026578.D
Acq: 19 Jul 2023 00:11

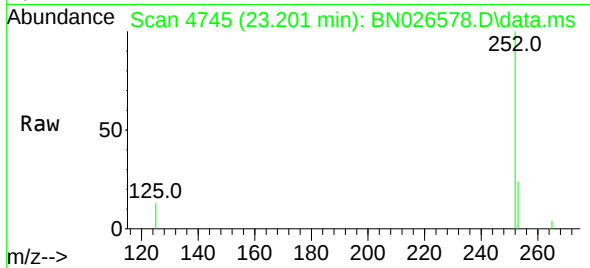
Tgt Ion:228 Resp: 205500
Ion Ratio Lower Upper
228 100
226 30.6 25.2 37.8
229 20.8 16.4 24.6





#24
Benzo(b)fluoranthene
Concen: 2.865 ng/ul m
RT: 23.201 min Scan# 4745
Delta R.T. -0.014 min
Lab File: BN026578.D
Acq: 19 Jul 2023 00:11

Instrument :
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ClientSampleId :
A46M1



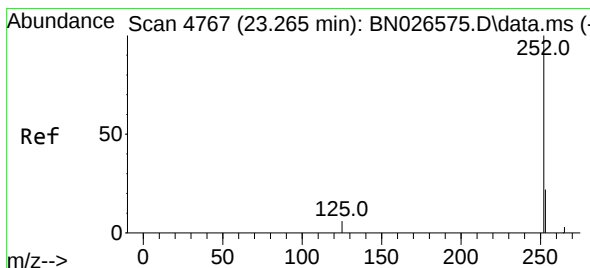
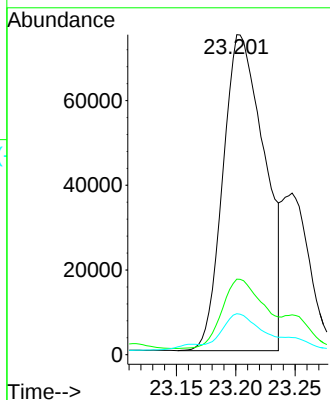
Tgt Ion:252 Resp: 181338
Ion Ratio Lower Upper
252 100
253 23.6 0.0 68.6
125 12.8 0.0 34.0

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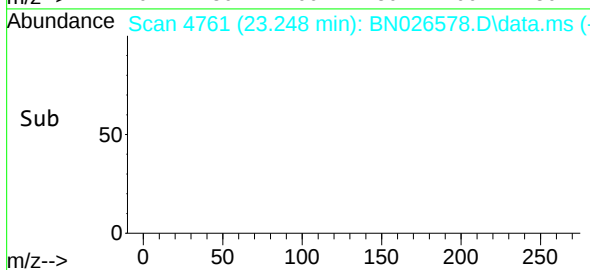
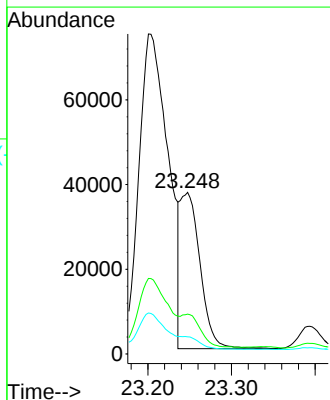
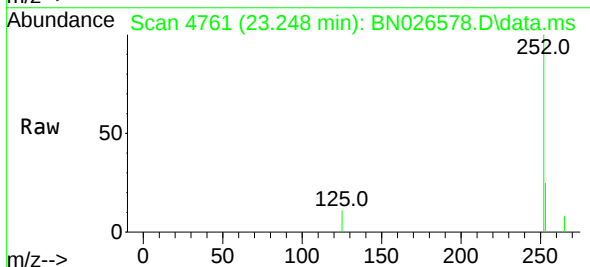
07/19/2023
Supervised By :mohammad
ahmed

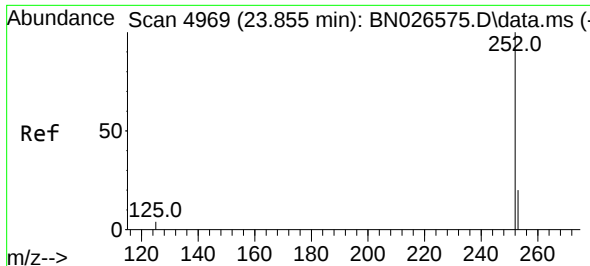
07/19/2023



#25
Benzo(k)fluoranthene
Concen: 0.923 ng/ul m
RT: 23.248 min Scan# 4761
Delta R.T. -0.017 min
Lab File: BN026578.D
Acq: 19 Jul 2023 00:11

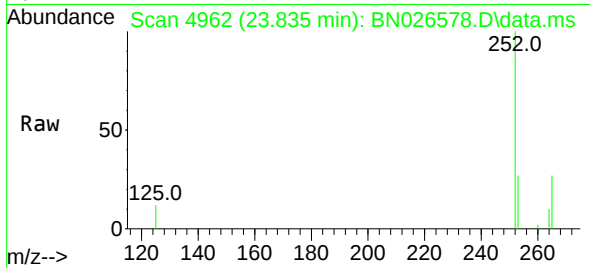
Tgt Ion:252 Resp: 61248
Ion Ratio Lower Upper
252 100
253 24.6 27.2 40.8#
125 10.6 13.4 20.2#





#26
Benzo(a)pyrene
Concen: 0.787 ng/ul
RT: 23.835 min Scan# 4969
Delta R.T. -0.020 min
Lab File: BN026578.D
Acq: 19 Jul 2023 00:11

Instrument :
BNA_N
ClientSampleId :
A46M1



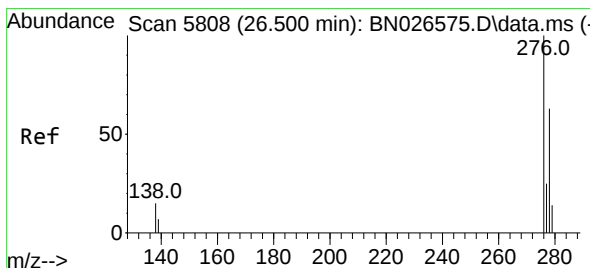
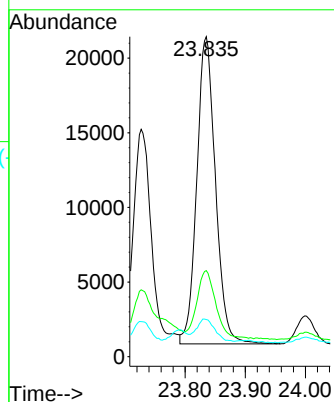
Tgt Ion:252 Resp: 4436
Ion Ratio Lower Upper
252 100
253 26.9 32.6 49.0
125 11.6 19.3 28.9

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

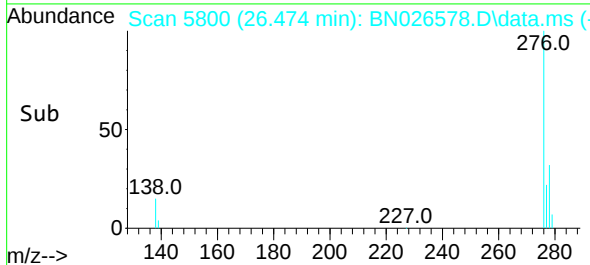
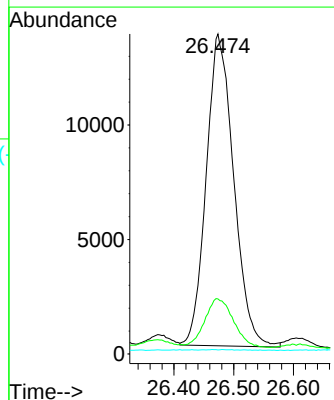
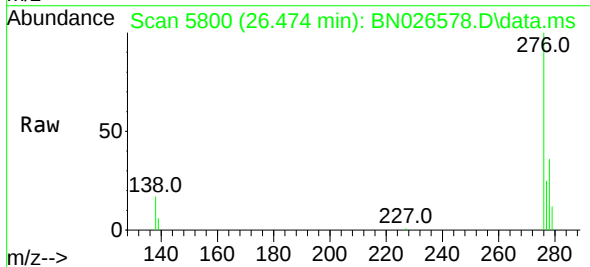
07/19/2023
Supervised By :mohammad
ahmed

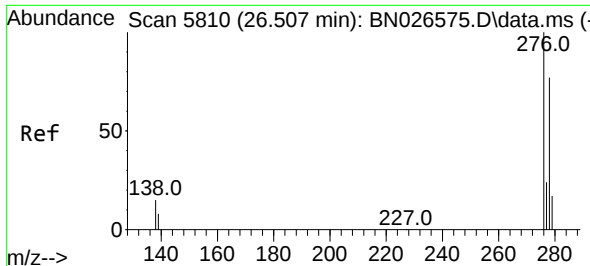
07/19/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.589 ng/ul
RT: 26.474 min Scan# 5800
Delta R.T. -0.026 min
Lab File: BN026578.D
Acq: 19 Jul 2023 00:11

Tgt Ion:276 Resp: 43481
Ion Ratio Lower Upper
276 100
138 16.3 22.2 33.4
227 0.1 0.1 0.1





#28

Dibenzo(a,h)anthracene

Concen: 0.330 ng/ul

RT: 26.484 min Scan# 5803

Delta R.T. -0.023 min

Lab File: BN026578.D

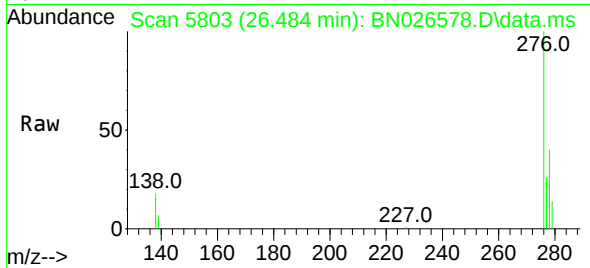
Acq: 19 Jul 2023 00:11

Instrument :

BNA_N

ClientSampleId :

A46M1



Tgt Ion:278 Resp: 1870

Ion Ratio Lower Upper

278 100

139 17.1 18.9 28.3

279 34.4 31.3 46.9

Manual Integrations

APPROVED

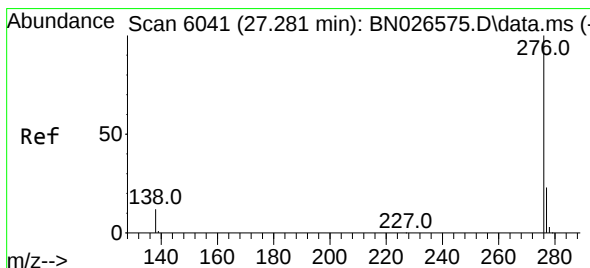
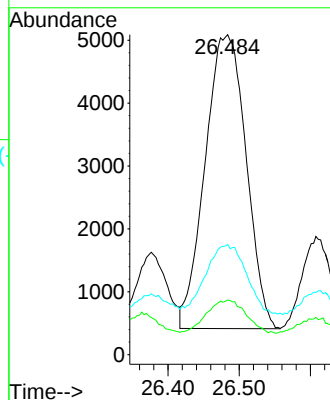
Reviewed By :Yogesh

Patel

07/19/2023

Supervised By :mohammad
ahmed

07/19/2023



#29

Benzo(g,h,i)perylene

Concen: 0.043 ng/ul

RT: 27.272 min Scan# 6038

Delta R.T. -0.010 min

Lab File: BN026578.D

Acq: 19 Jul 2023 00:11

Tgt Ion:276 Resp: 2825

Ion Ratio Lower Upper

276 100

138 36.0 22.6 34.0#

277 48.7 21.8 32.8#

