

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070123\
 Data File : BN026142.D
 Acq On : 30 Jun 2023 22:39
 Operator : MA/JU
 Sample : 03161-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCFW9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/01/2023
 Supervised By :mohammad ahmed 07/01/2023

Quant Time: Jul 01 01:48:33 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 : Sat Jul 01 01:46:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	7840	0.400	ng/ul	0.00
4) Naphthalene-d8	10.776	136	25093	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.603	164	14539	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.351	188	29036	0.400	ng/ul	0.00
17) Chrysene-d12	21.532	240	15514	0.400	ng/ul	# 0.00
23) Perylene-d12	23.981	264	15382	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.322	96	15058	1.705	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.365	152	4335	0.112	ng/ul	0.00
18) Fluoranthene-d10	19.377	212	8105	0.137	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.825	128	14259	0.198	ng/ul	99
7) 2-Methylnaphthalene	12.437	142	4942	0.108	ng/ul	99
8) 1-Methylnaphthalene	12.657	142	3048	0.064	ng/ul	100
10) Acenaphthylene	14.325	152	14548	0.214	ng/ul	98
11) Acenaphthene	14.667	153	2072	0.037	ng/ul	96
12) Fluorene	15.648	166	2187	0.034	ng/ul#	93
15) Phenanthrene	17.389	178	55824	0.582	ng/ul	99
16) Anthracene	17.482	178	16039	0.188	ng/ul	96
19) Fluoranthene	19.405	202	151484	1.828	ng/ul	99
20) Pyrene	19.768	202	121694m	1.412	ng/ul	
21) Benzo(a)anthracene	21.514	228	68430	1.069	ng/ul	95
22) Chrysene	21.567	228	100317	1.506	ng/ul	96
24) Benzo(b)fluoranthene	23.233	252	185266m	2.822	ng/ul	
25) Benzo(k)fluoranthene	23.277	252	52394m	0.795	ng/ul	
26) Benzo(a)pyrene	23.870	252	99802	1.750	ng/ul#	89
27) Indeno(1,2,3-cd)pyrene	26.541	276	92460	1.485	ng/ul#	87
28) Dibenzo(a,h)anthracene	26.551	278	22067	0.468	ng/ul#	91
29) Benzo(g,h,i)perylene	27.336	276	88121	1.590	ng/ul	97

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

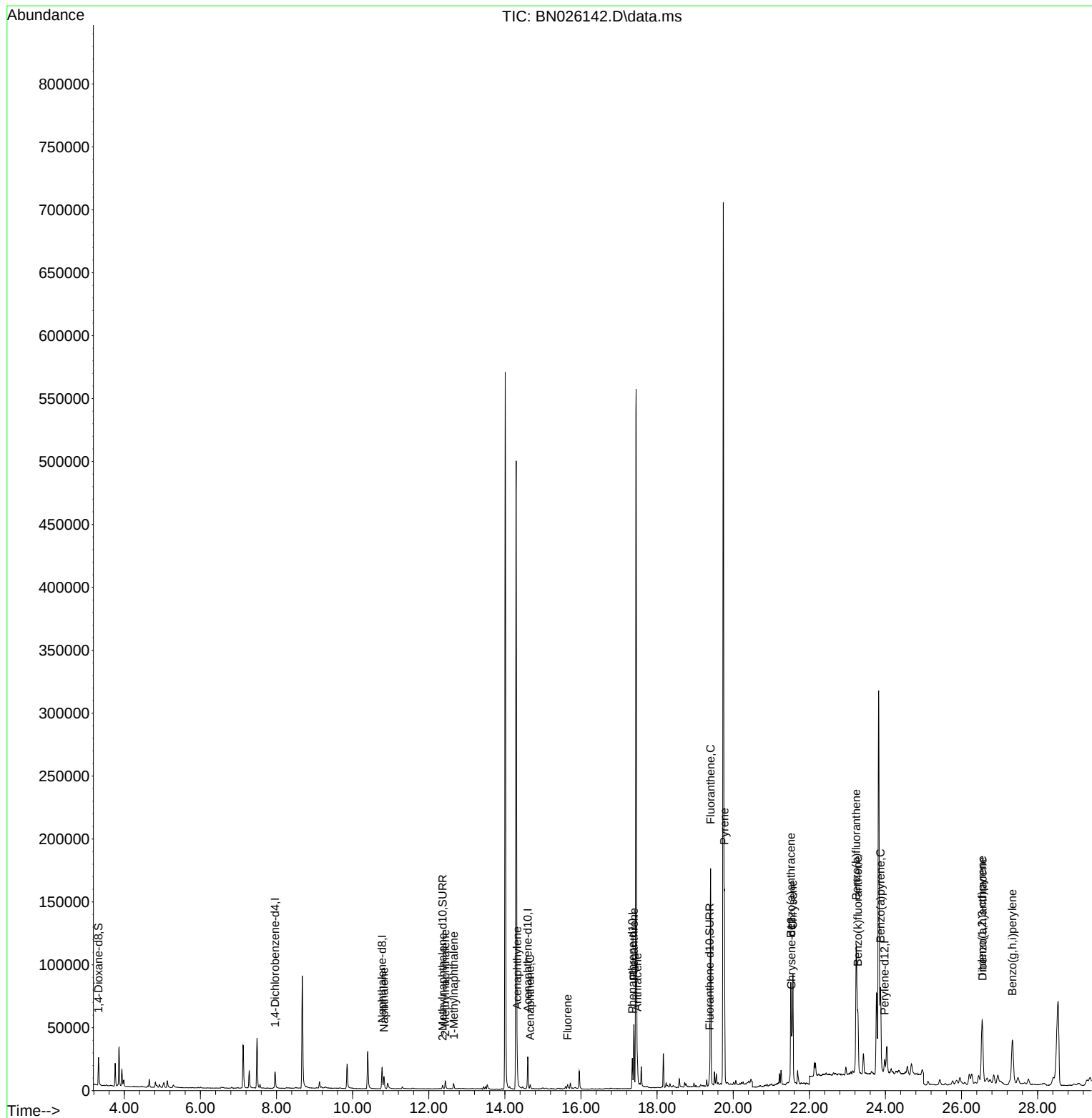
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070123\
Data File : BN026142.D
Acq On : 30 Jun 2023 22:39
Operator : MA/JU
Sample : 03161-13
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ALS Vial : 23 Sample Multiplier: 1

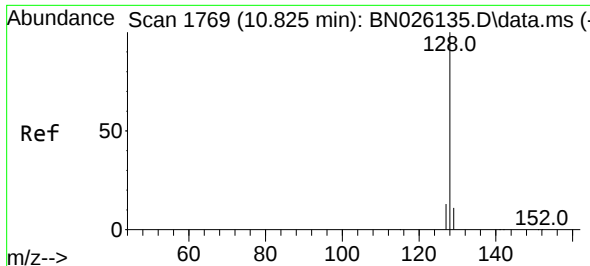
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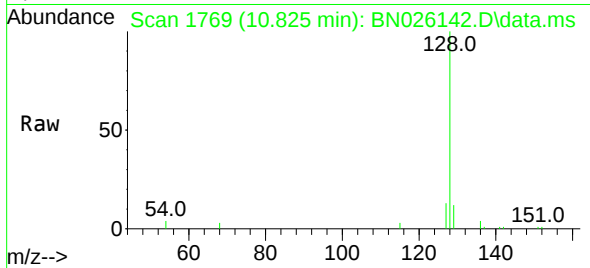
Quant Time: Jul 01 01:48:33 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 01 01:46:24 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.198 ng/ul
RT: 10.825 min Scan# 1769
Delta R.T. 0.000 min
Lab File: BN026142.D
Acq: 30 Jun 2023 22:39

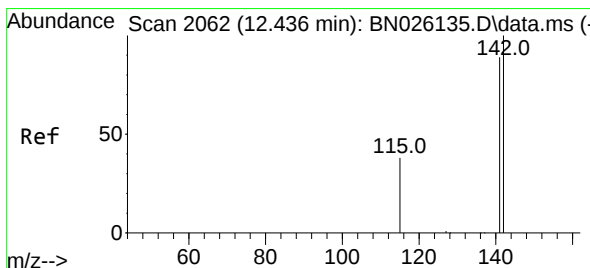
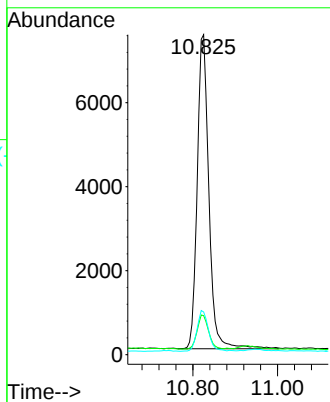
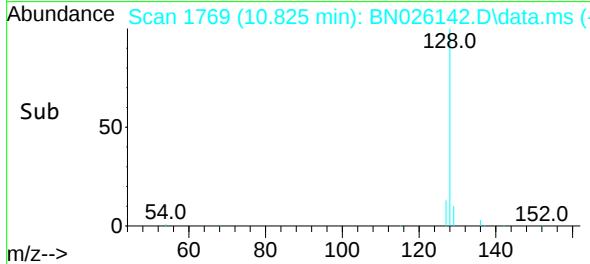
Instrument :
BNA_N
ClientSampleId :
DCFW9



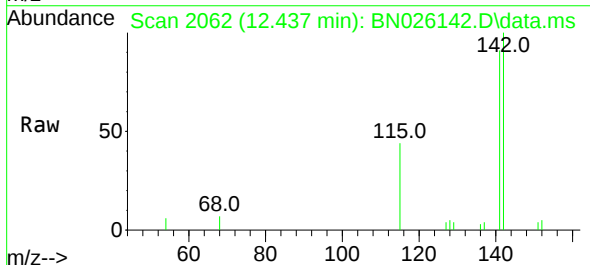
Tgt Ion:128 Resp: 14259
Ion Ratio Lower Upper
128 100
129 12.2 9.1 13.7
127 13.4 10.7 16.1

Manual Integrations
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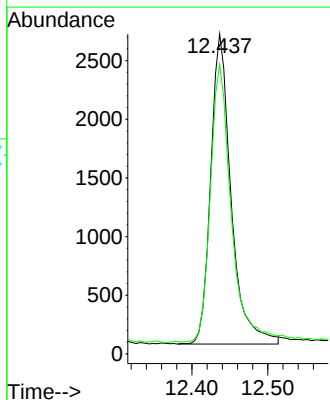
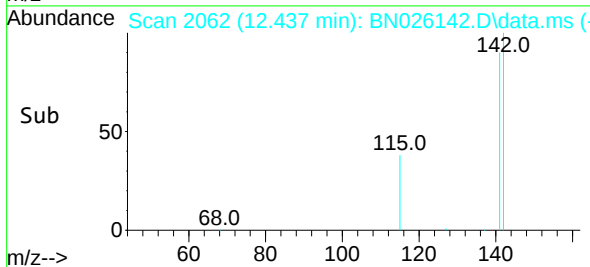
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023

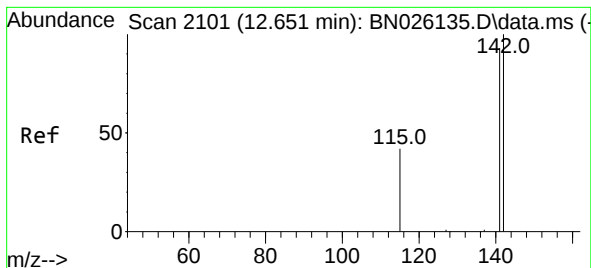


#7
2-Methylnaphthalene
Concen: 0.108 ng/ul
RT: 12.437 min Scan# 2062
Delta R.T. 0.000 min
Lab File: BN026142.D
Acq: 30 Jun 2023 22:39



Tgt Ion:142 Resp: 4942
Ion Ratio Lower Upper
142 100
141 91.0 71.9 107.9





#8

1-Methylnaphthalene

Concen: 0.064 ng/ul

RT: 12.657 min Scan# 2101

Delta R.T. 0.006 min

Lab File: BN026142.D

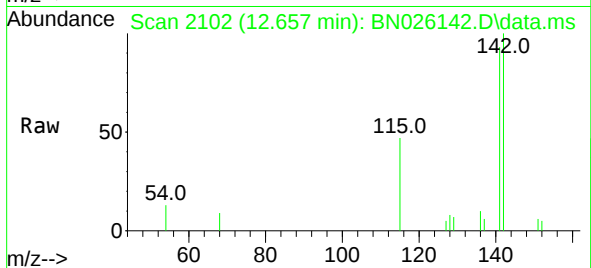
Acq: 30 Jun 2023 22:39

Instrument :

BNA_N

ClientSampleId :

DCF9



Tgt Ion:142 Resp: 3048

Ion Ratio Lower Upper

142 100

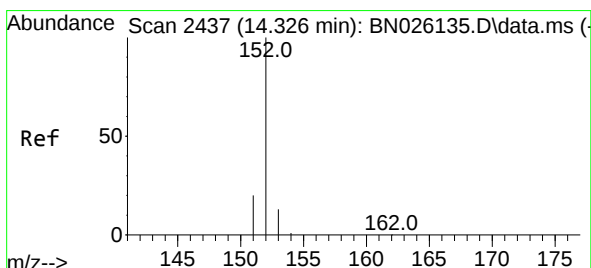
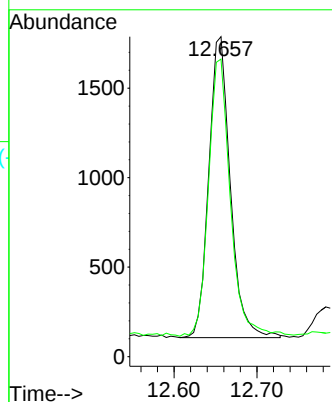
141 93.1 74.2 111.4

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#10

Acenaphthylene

Concen: 0.214 ng/ul

RT: 14.325 min Scan# 2437

Delta R.T. -0.001 min

Lab File: BN026142.D

Acq: 30 Jun 2023 22:39

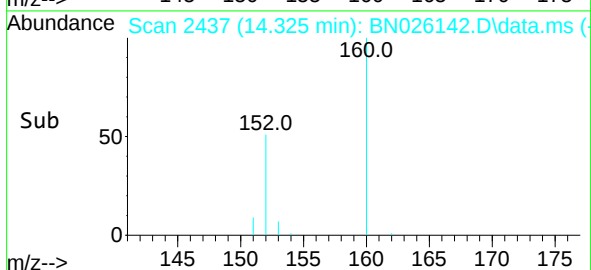
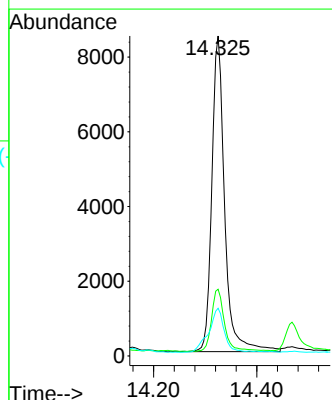
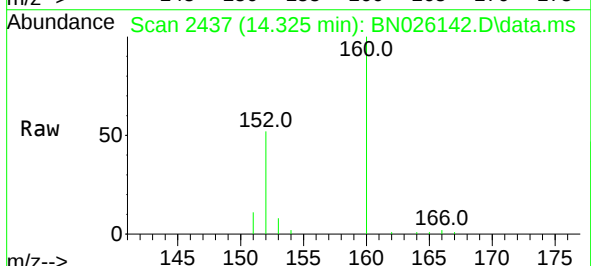
Tgt Ion:152 Resp: 14548

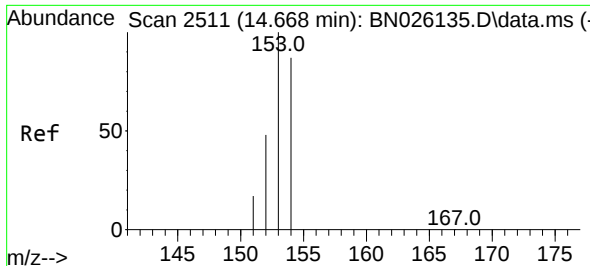
Ion Ratio Lower Upper

152 100

151 20.9 16.2 24.4

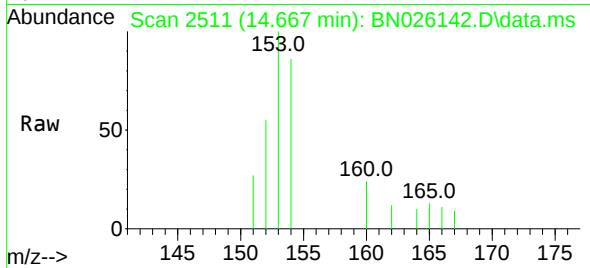
153 14.9 10.9 16.3





#11
Acenaphthene
Concen: 0.037 ng/u1
RT: 14.667 min Scan# 21
Delta R.T. -0.001 min
Lab File: BN026142.D
Acq: 30 Jun 2023 22:39

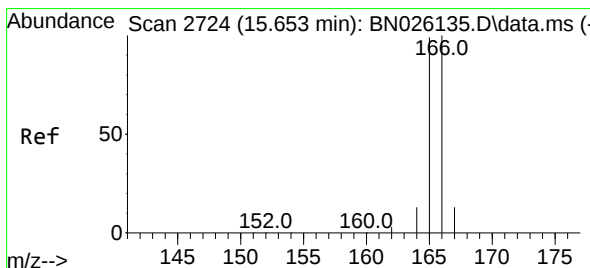
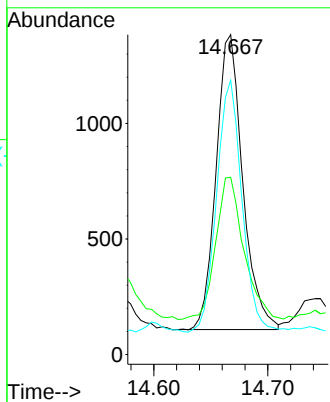
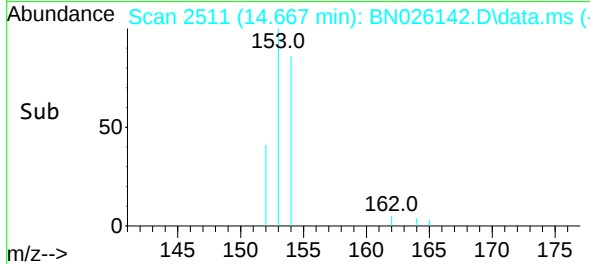
Instrument :
BNA_N
ClientSampleId :
DCFW9



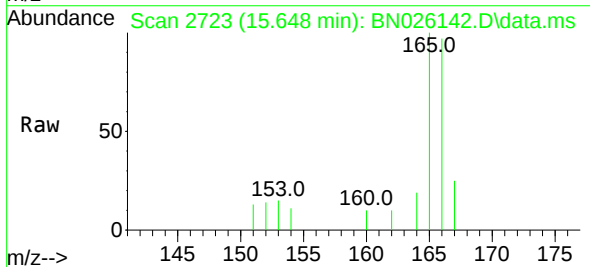
Tgt Ion:153 Resp: 2072
Ion Ratio Lower Upper
153 100
152 55.4 39.4 59.0
154 85.8 68.9 103.3

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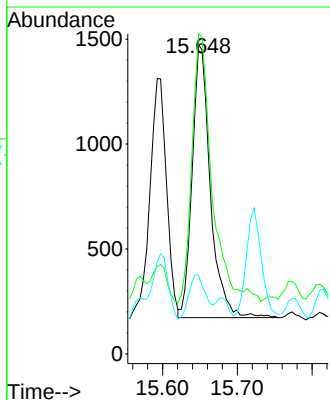
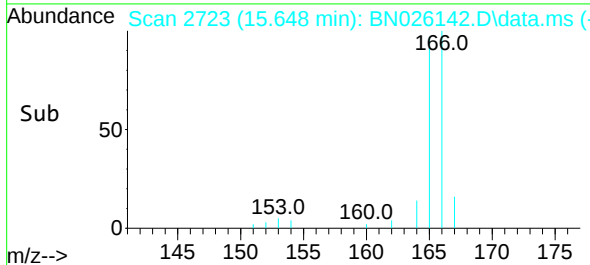
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023

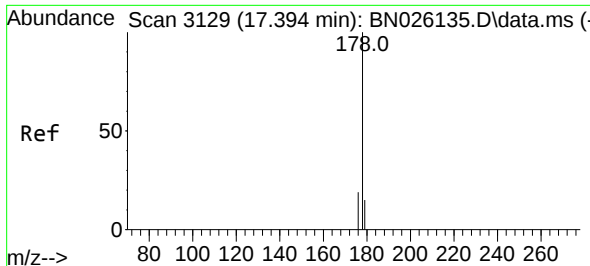


#12
Fluorene
Concen: 0.034 ng/u1
RT: 15.648 min Scan# 2723
Delta R.T. -0.005 min
Lab File: BN026142.D
Acq: 30 Jun 2023 22:39



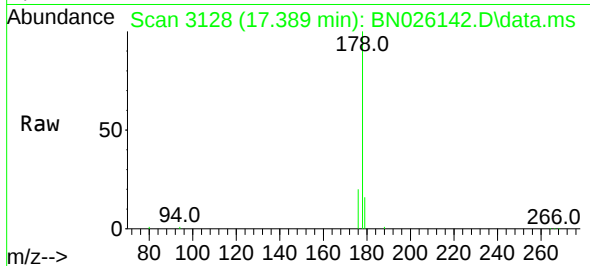
Tgt Ion:166 Resp: 2187
Ion Ratio Lower Upper
166 100
165 103.5 79.9 119.9
167 25.4 10.8 16.2#





#15
Phenanthrene
Concen: 0.582 ng/u1
RT: 17.389 min Scan# 3128
Delta R.T. -0.005 min
Lab File: BN026142.D
Acq: 30 Jun 2023 22:39

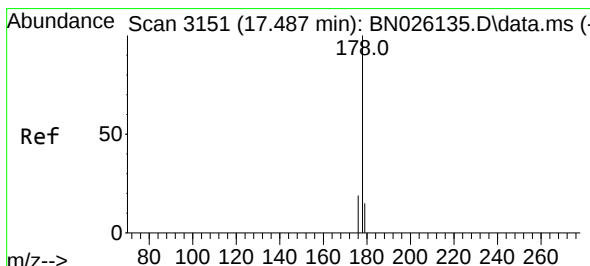
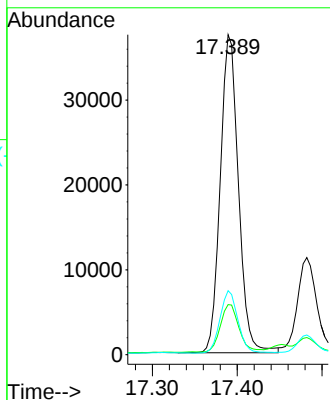
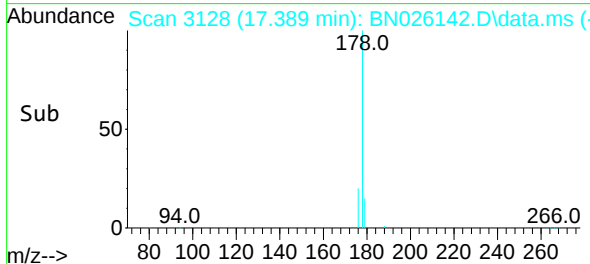
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:178 Resp: 55824
Ion Ratio Lower Upper
178 100
179 15.7 12.6 19.0
176 20.0 15.8 23.6

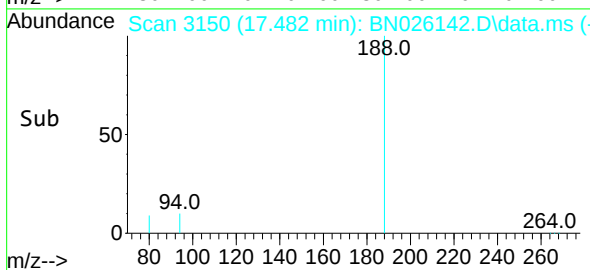
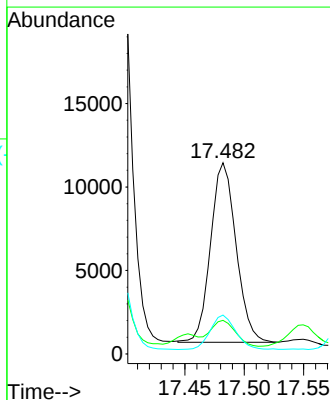
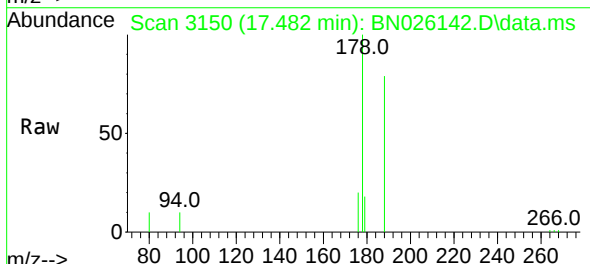
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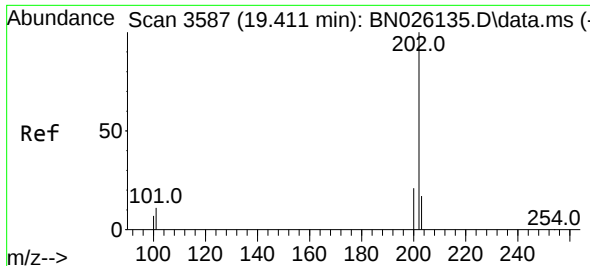
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023



#16
Anthracene
Concen: 0.188 ng/u1
RT: 17.482 min Scan# 3150
Delta R.T. -0.005 min
Lab File: BN026142.D
Acq: 30 Jun 2023 22:39

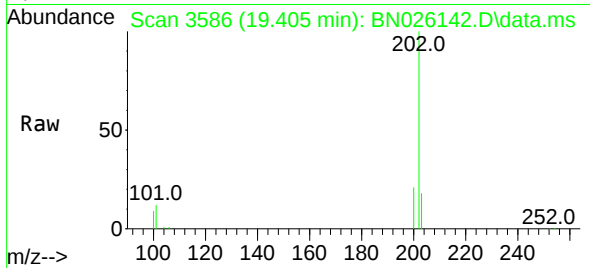
Tgt Ion:178 Resp: 16039
Ion Ratio Lower Upper
178 100
179 17.6 12.6 18.8
176 20.3 15.1 22.7





#19
Fluoranthene
Concen: 1.828 ng/ul
RT: 19.405 min Scan# 3586
Delta R.T. -0.005 min
Lab File: BN026142.D
Acq: 30 Jun 2023 22:39

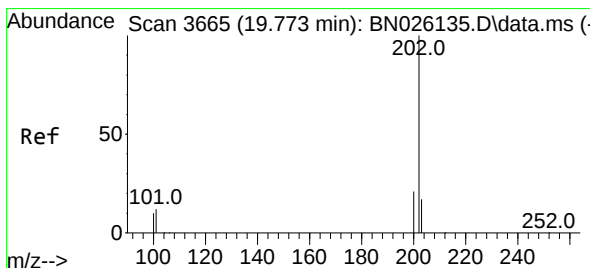
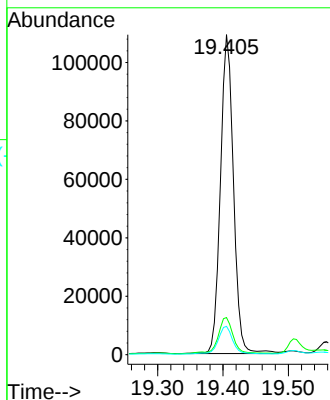
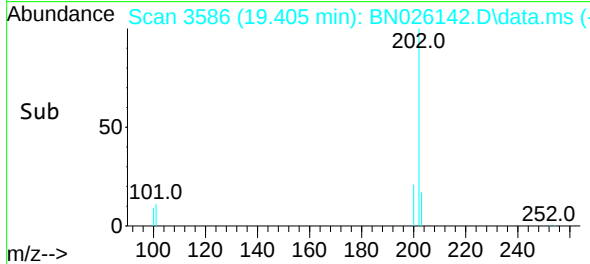
Instrument :
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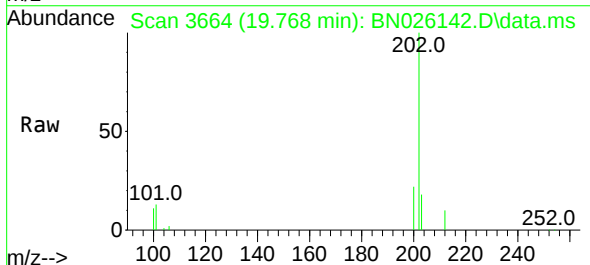
Tgt Ion:202 Resp: 151484
Ion Ratio Lower Upper
202 100
101 11.6 9.5 14.3
100 8.9 7.3 10.9

Manual Integrations
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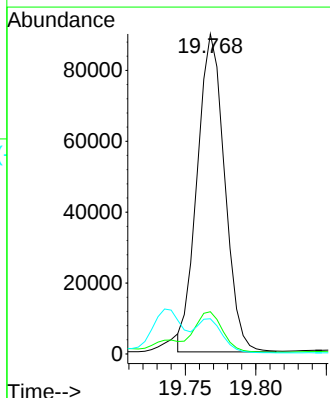
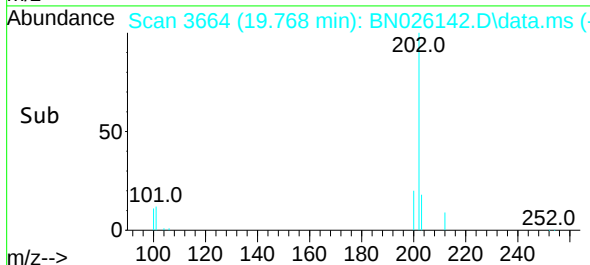
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023

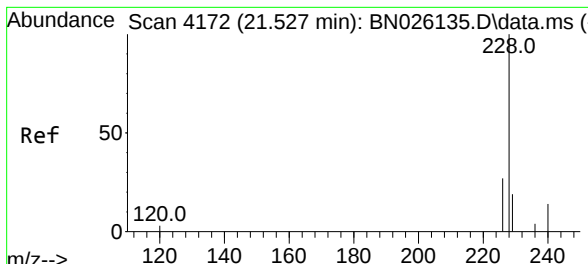


#20
Pyrene
Concen: 1.412 ng/ul m
RT: 19.768 min Scan# 3664
Delta R.T. -0.005 min
Lab File: BN026142.D
Acq: 30 Jun 2023 22:39



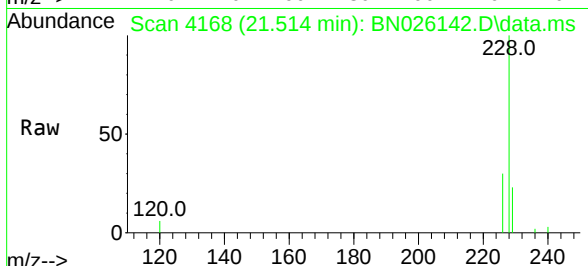
Tgt Ion:202 Resp: 121694
Ion Ratio Lower Upper
202 100
101 13.2 11.4 17.0
100 11.0 9.1 13.7





#21
 Benzo(a)anthracene
 Concen: 1.069 ng/u1
 RT: 21.514 min Scan# 4168
 Delta R.T. -0.012 min
 Lab File: BN026142.D
 Acq: 30 Jun 2023 22:39

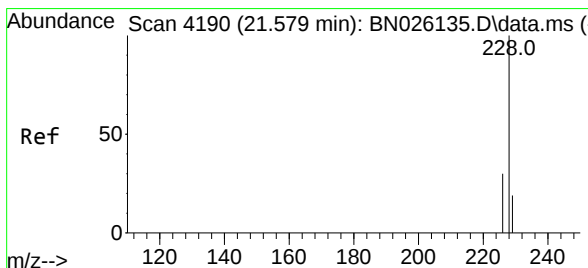
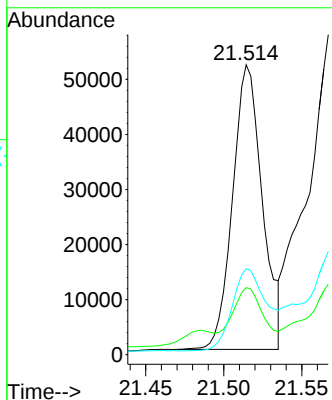
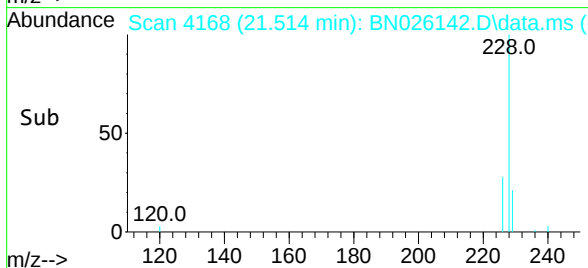
Instrument :
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Tgt Ion:228 Resp: 68430
 Ion Ratio Lower Upper
 228 100
 229 23.1 15.8 23.6
 226 29.6 22.5 33.7

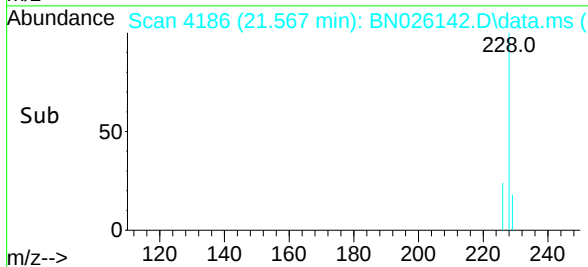
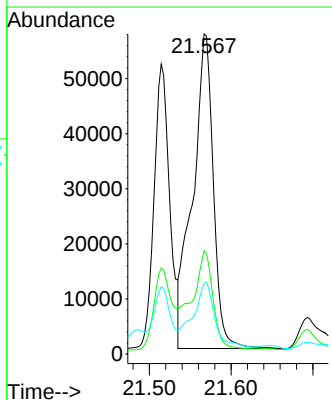
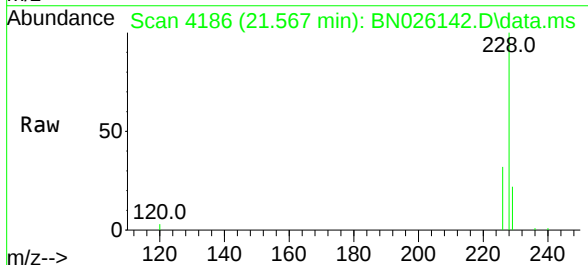
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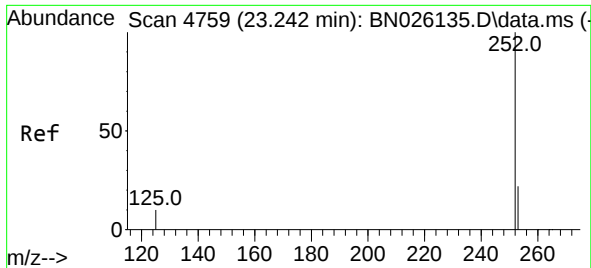
Reviewed By :Yogesh Patel 07/01/2023
 Supervised By :mohammad ahmed 07/01/2023



#22
 Chrysene
 Concen: 1.506 ng/u1
 RT: 21.567 min Scan# 4186
 Delta R.T. -0.012 min
 Lab File: BN026142.D
 Acq: 30 Jun 2023 22:39

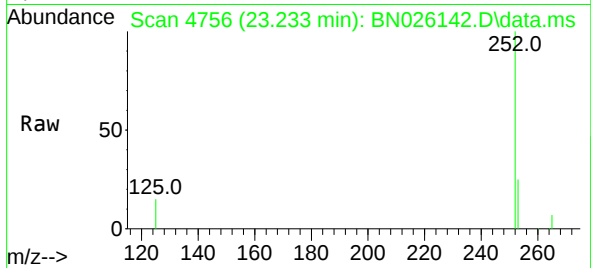
Tgt Ion:228 Resp: 100317
 Ion Ratio Lower Upper
 228 100
 226 32.3 24.8 37.2
 229 22.0 15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 2.822 ng/ul m
RT: 23.233 min Scan# 4756
Delta R.T. -0.009 min
Lab File: BN026142.D
Acq: 30 Jun 2023 22:39

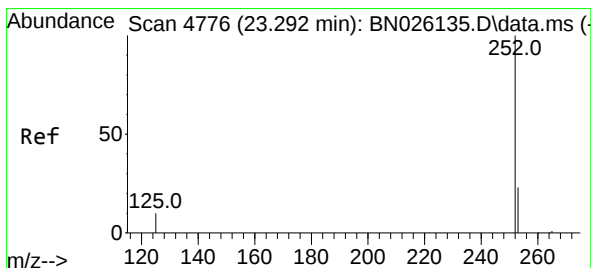
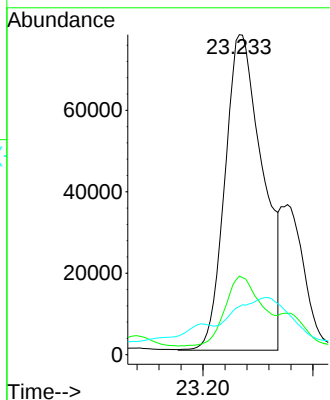
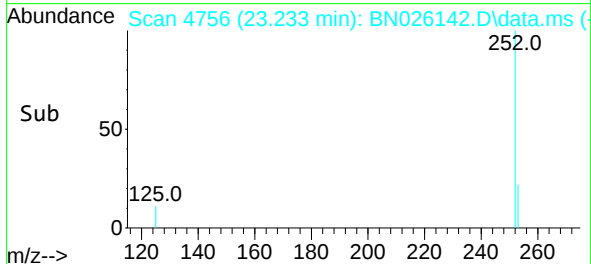
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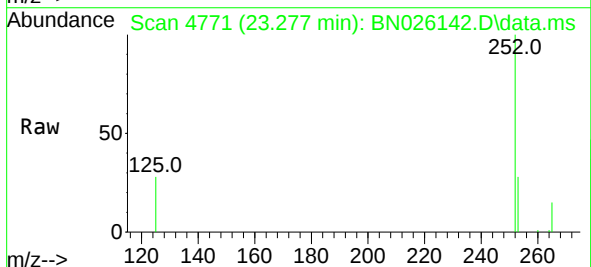
Tgt Ion:252 Resp: 185260
Ion Ratio Lower Upper
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253 24.6 0.0 55.6
125 15.0 0.0 35.8

Manual Integrations
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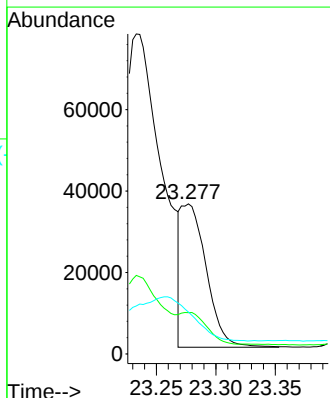
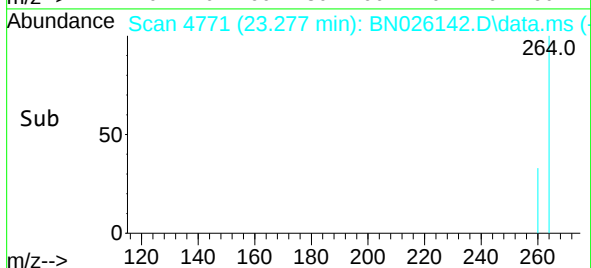
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023

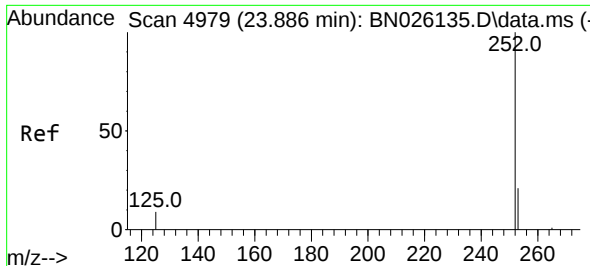


#25
Benzo(k)fluoranthene
Concen: 0.795 ng/ul m
RT: 23.277 min Scan# 4771
Delta R.T. -0.015 min
Lab File: BN026142.D
Acq: 30 Jun 2023 22:39



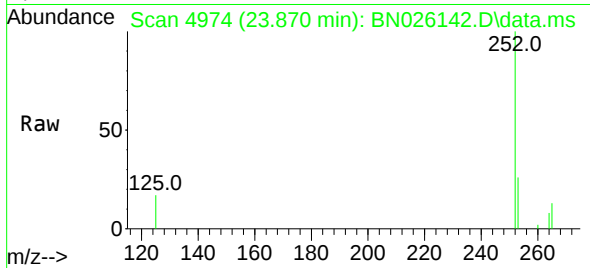
Tgt Ion:252 Resp: 52394
Ion Ratio Lower Upper
252 100
253 27.6 23.2 34.8
125 28.0 15.0 22.4





#26
Benzo(a)pyrene
Concen: 1.750 ng/ul
RT: 23.870 min Scan# 4979
Delta R.T. -0.015 min
Lab File: BN026142.D
Acq: 30 Jun 2023 22:39

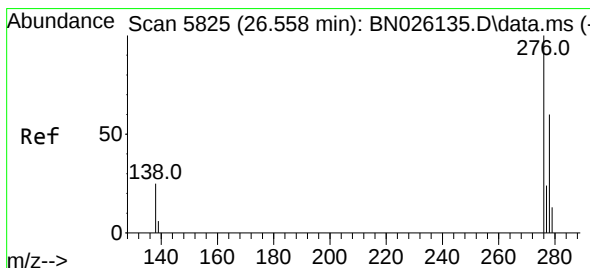
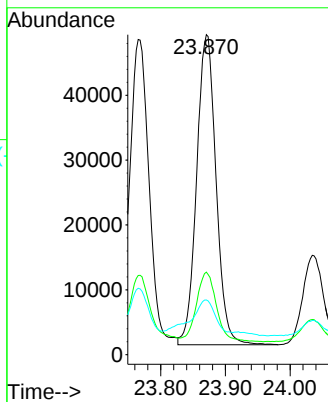
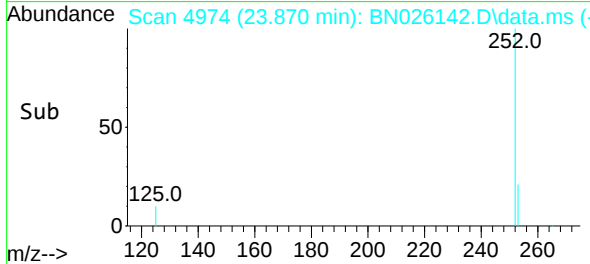
Instrument :
BNA_N
ClientSampleId :
DCFW9



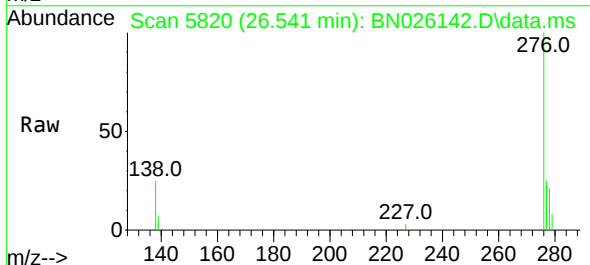
Tgt Ion:252 Resp: 99802
Ion Ratio Lower Upper
252 100
253 25.8 26.0 39.0
125 17.1 17.3 25.9

Manual Integrations
APPROVED

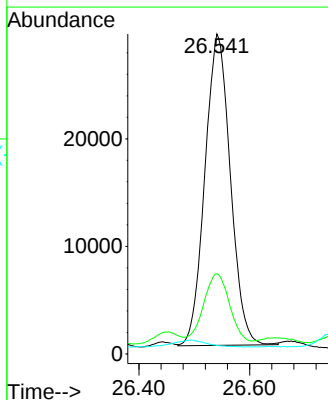
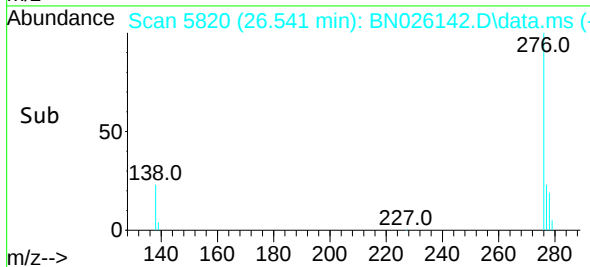
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023

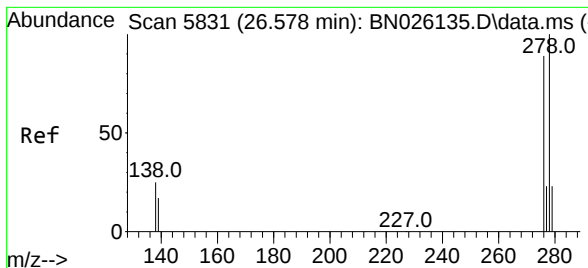


#27
Indeno(1,2,3-cd)pyrene
Concen: 1.485 ng/ul
RT: 26.541 min Scan# 5820
Delta R.T. -0.017 min
Lab File: BN026142.D
Acq: 30 Jun 2023 22:39



Tgt Ion:276 Resp: 92460
Ion Ratio Lower Upper
276 100
138 23.2 24.5 36.7
227 0.0 0.0 0.0





#28

Dibenzo(a,h)anthracene

Concen: 0.468 ng/ul

RT: 26.551 min Scan# 5823

Delta R.T. -0.027 min

Lab File: BN026142.D

Acq: 30 Jun 2023 22:39

Instrument :

BNA_N

ClientSampleId :

DCF9

Tgt Ion:278 Resp: 2206

Ion Ratio Lower Upper

278 100

139 29.6 19.0 28.4

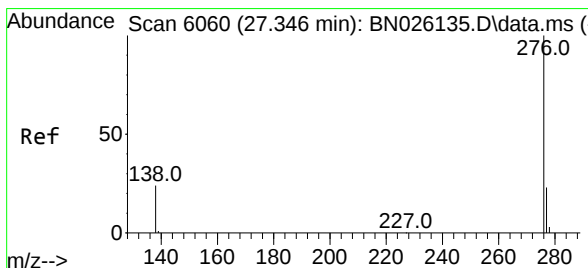
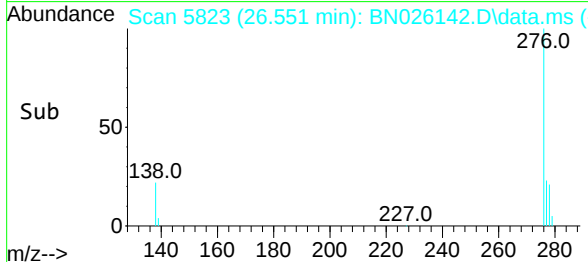
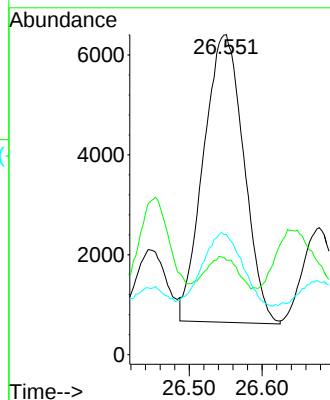
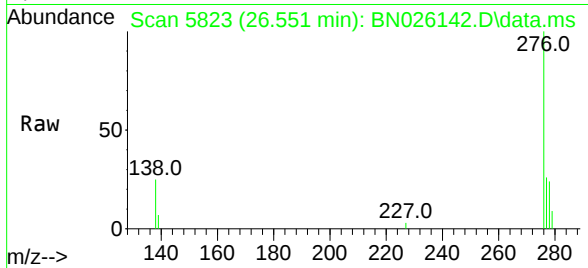
279 37.6 26.7 40.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/01/2023

Supervised By :mohammad ahmed 07/01/2023



#29

Benzo(g,h,i)perylene

Concen: 1.590 ng/ul

RT: 27.336 min Scan# 6057

Delta R.T. -0.011 min

Lab File: BN026142.D

Acq: 30 Jun 2023 22:39

Tgt Ion:276 Resp: 88121

Ion Ratio Lower Upper

276 100

138 26.7 23.4 35.0

277 24.7 20.0 30.0

