

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070123\
 Data File : BN026138.D
 Acq On : 30 Jun 2023 20:10
 Operator : MA/JU
 Sample : 03143-18DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCFV5DL

Manual Integrations
 APPROVED

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

Quant Time: Jul 01 01:47:58 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	8007	0.400	ng/ul	0.00
4) Naphthalene-d8	10.776	136	26233	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.602	164	14778	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.351	188	28309	0.400	ng/ul	0.00
17) Chrysene-d12	21.538	240	15227	0.400	ng/ul	0.00
23) Perylene-d12	24.005	264	15193	0.400	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.327	96	3810	0.423	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.370	152	1077	0.027	ng/ul	0.00
18) Fluoranthene-d10	19.377	212	1934	0.033	ng/ul	0.00
Target Compounds					Qvalue	
5) Naphthalene	10.825	128	2213	0.029	ng/ul#	87
7) 2-Methylnaphthalene	12.442	142	1369	0.029	ng/ul	98
8) 1-Methylnaphthalene	12.656	142	1067	0.022	ng/ul	98
10) Acenaphthylene	14.325	152	3596	0.052	ng/ul#	93
11) Acenaphthene	14.667	153	1257	0.022	ng/ul	96
15) Phenanthrene	17.393	178	29521	0.316	ng/ul	99
16) Anthracene	17.482	178	5446	0.066	ng/ul#	90
19) Fluoranthene	19.410	202	83650	1.029	ng/ul	97
20) Pyrene	19.768	202	69107	0.817	ng/ul	98
21) Benzo(a)anthracene	21.520	228	29287	0.466	ng/ul	96
22) Chrysene	21.576	228	35572	0.544	ng/ul	96
24) Benzo(b)fluoranthene	23.247	252	52792m	0.814	ng/ul	
25) Benzo(k)fluoranthene	23.294	252	19095m	0.293	ng/ul	
26) Benzo(a)pyrene	23.891	252	32266	0.573	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	26.581	276	28059	0.456	ng/ul#	88
28) Dibenzo(a,h)anthracene	26.591	278	6742	0.145	ng/ul#	70
29) Benzo(g,h,i)perylene	27.376	276	25862	0.473	ng/ul	98

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

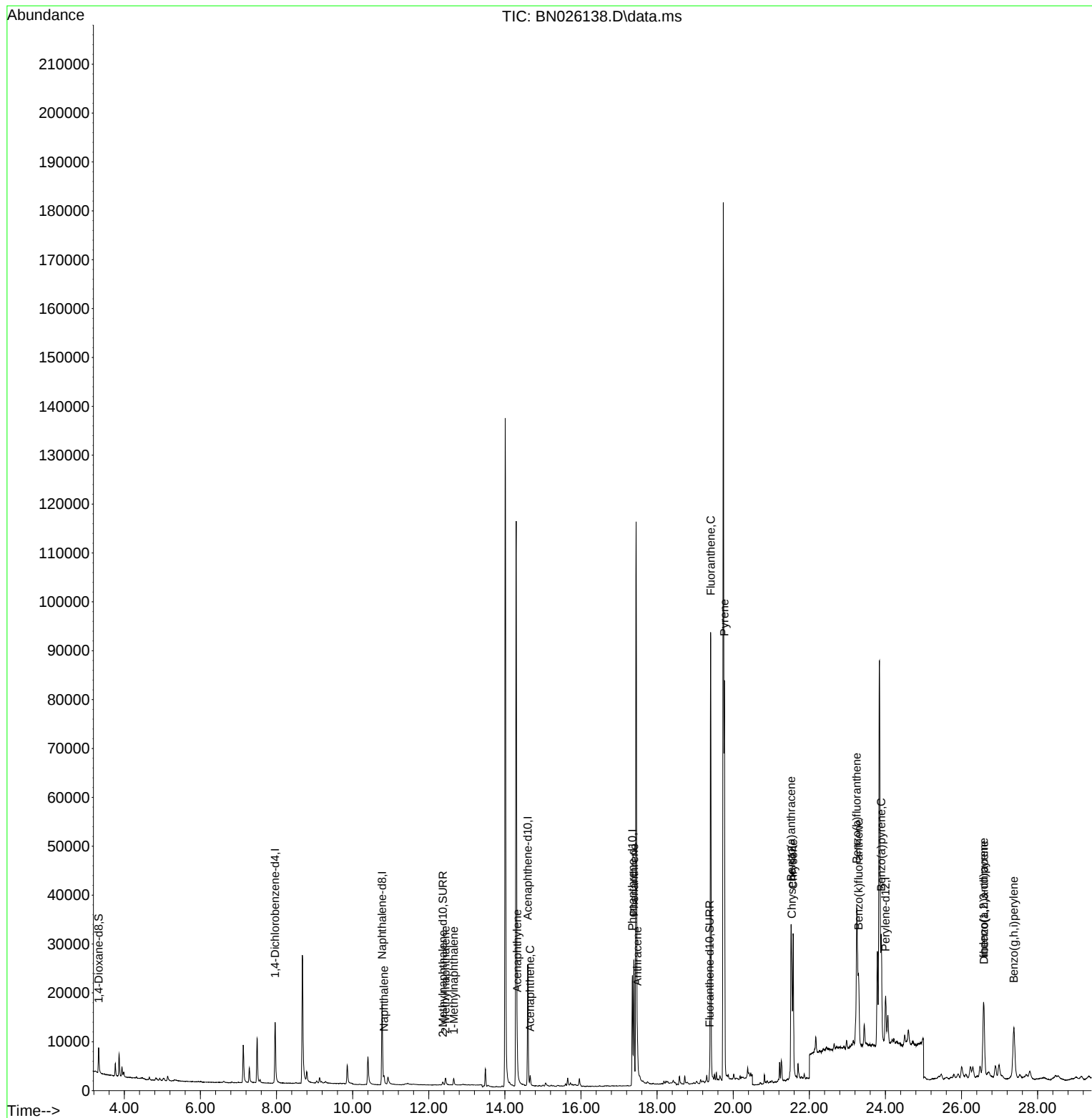
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Data File : BN026138.D
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ALS Vial : 19 Sample Multiplier: 1

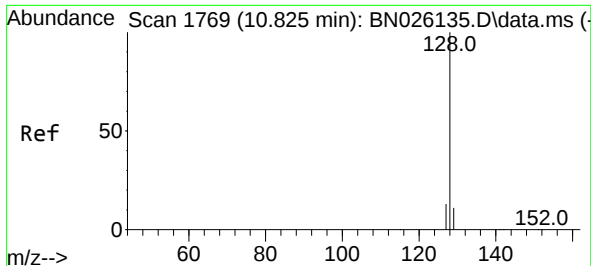
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Quant Time: Jul 01 01:47:58 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN062223.M
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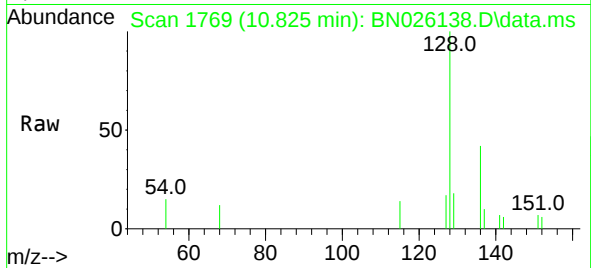
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023





#5
Naphthalene
Concen: 0.029 ng/ul
RT: 10.825 min Scan# 1769
Delta R.T. 0.000 min
Lab File: BN026138.D
Acq: 30 Jun 2023 20:10

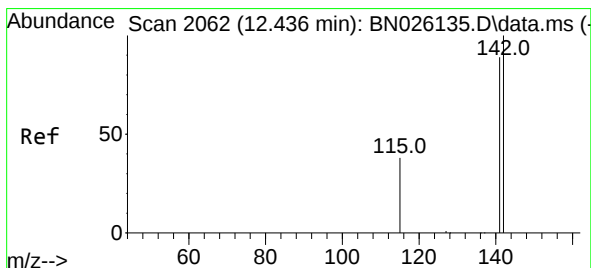
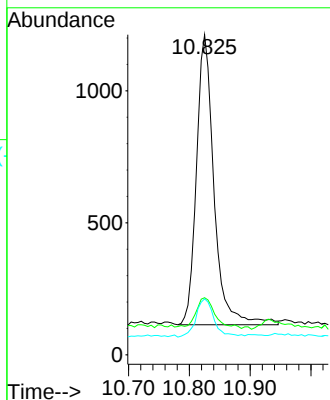
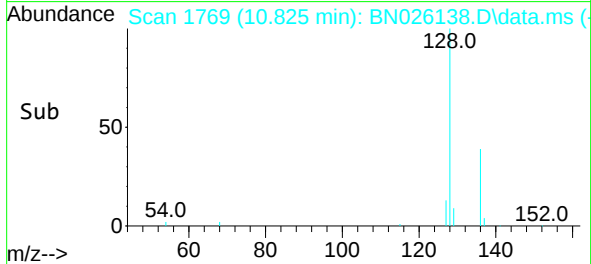
Instrument :
BNA_N
ClientSampleId :
DCFV5DL



Tgt Ion:128 Resp: 221
Ion Ratio Lower Upper
128 100
129 17.8 9.1 13.7
127 17.5 10.7 16.1

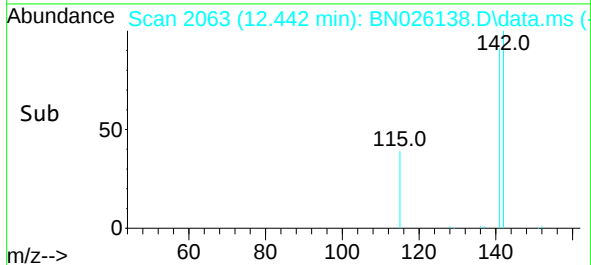
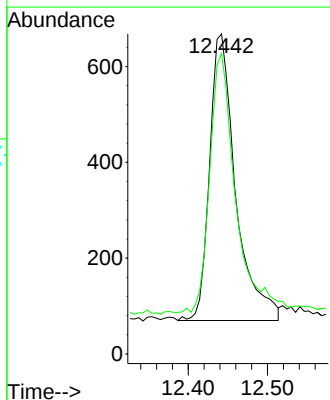
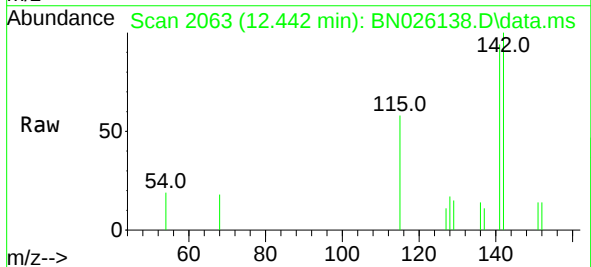
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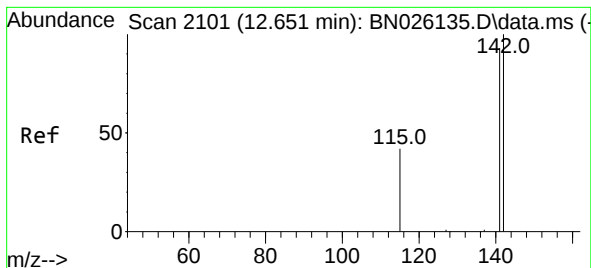
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023



#7
2-Methylnaphthalene
Concen: 0.029 ng/ul
RT: 12.442 min Scan# 2063
Delta R.T. 0.006 min
Lab File: BN026138.D
Acq: 30 Jun 2023 20:10

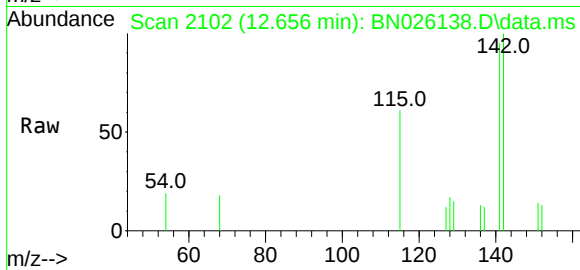
Tgt Ion:142 Resp: 1369
Ion Ratio Lower Upper
142 100
141 87.9 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.022 ng/ul
RT: 12.656 min Scan# 2101
Delta R.T. 0.006 min
Lab File: BN026138.D
Acq: 30 Jun 2023 20:10

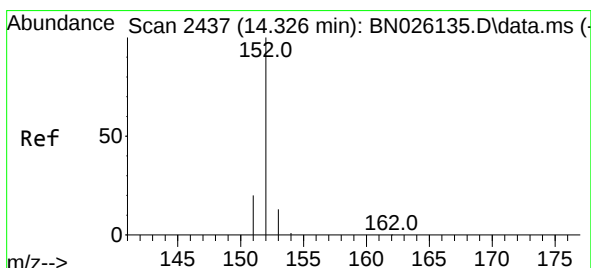
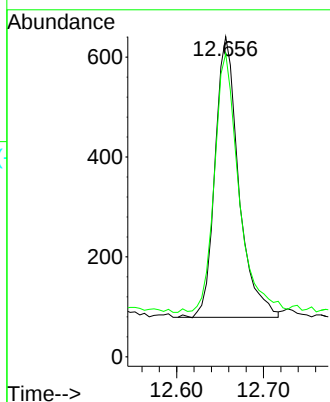
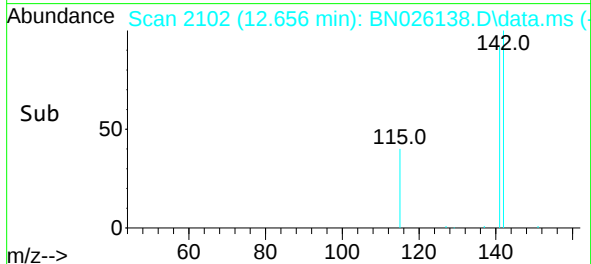
Instrument :
BNA_N
ClientSampleId :
DCFV5DL



Tgt Ion:142 Resp: 1065
Ion Ratio Lower Upper
142 100
141 95.0 74.2 111.4

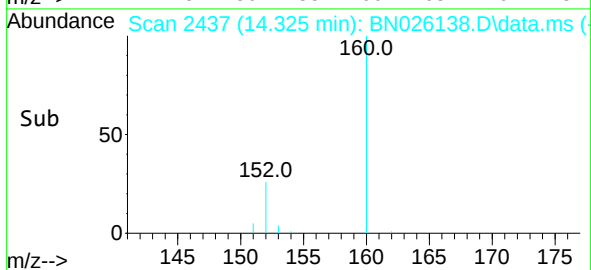
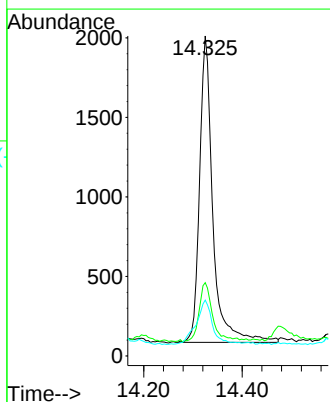
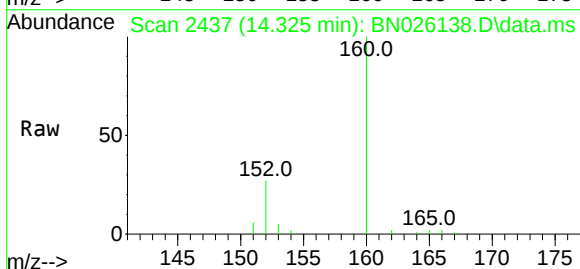
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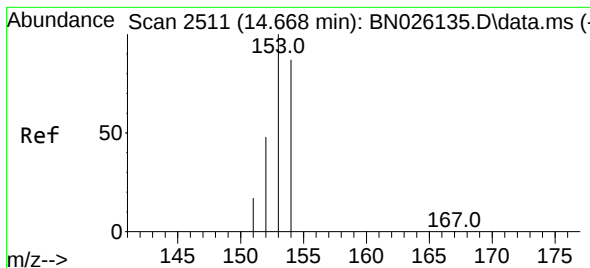
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023



#10
Acenaphthylene
Concen: 0.052 ng/ul
RT: 14.325 min Scan# 2437
Delta R.T. -0.001 min
Lab File: BN026138.D
Acq: 30 Jun 2023 20:10

Tgt Ion:152 Resp: 3596
Ion Ratio Lower Upper
152 100
151 22.9 16.2 24.4
153 17.4 10.9 16.3#





#11

Acenaphthene

Concen: 0.022 ng/ul

RT: 14.667 min Scan# 2511

Delta R.T. -0.001 min

Lab File: BN026138.D

Acq: 30 Jun 2023 20:10

Instrument :

BNA_N

ClientSampleId :

DCFV5DL

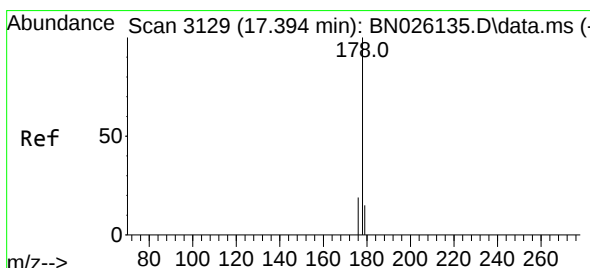
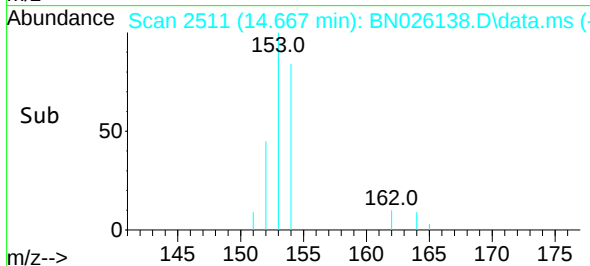
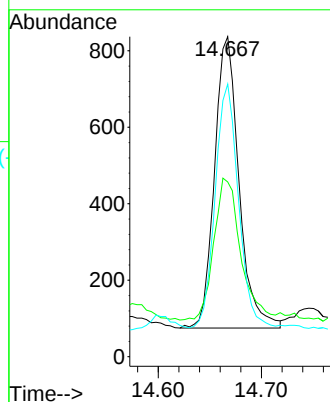
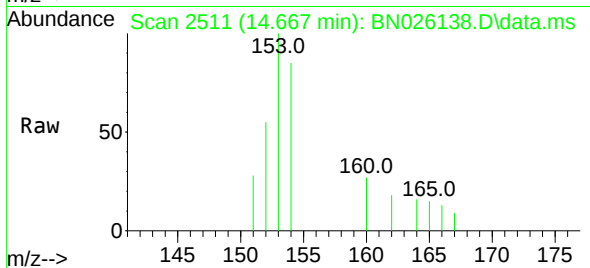
Tgt Ion:	153	Resp:	125
Ion Ratio	Lower	Upper	
153	100		
152	54.6	39.4	59.0
154	85.2	68.9	103.3

Manual Integrations

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Reviewed By :Yogesh Patel 07/01/2023

Supervised By :mohammad ahmed 07/01/2023



#15

Phenanthrene

Concen: 0.316 ng/ul

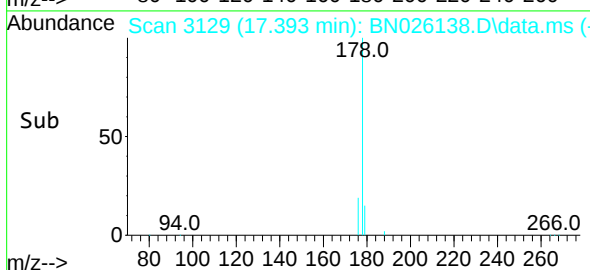
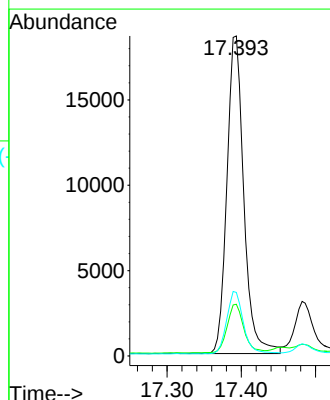
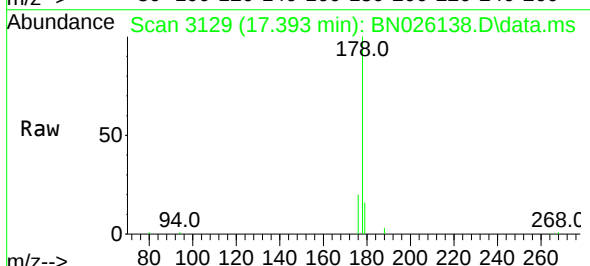
RT: 17.393 min Scan# 3129

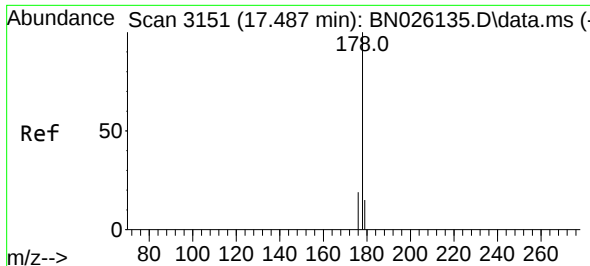
Delta R.T. -0.001 min

Lab File: BN026138.D

Acq: 30 Jun 2023 20:10

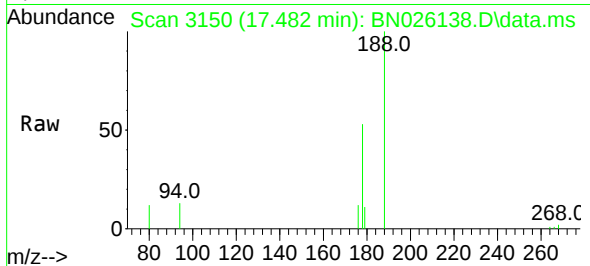
Tgt Ion:	178	Resp:	29521
Ion Ratio	Lower	Upper	
178	100		
179	16.2	12.6	19.0
176	19.9	15.8	23.6





#16
 Anthracene
 Concen: 0.066 ng/u1
 RT: 17.482 min Scan# 3151
 Delta R.T. -0.005 min
 Lab File: BN026138.D
 Acq: 30 Jun 2023 20:10

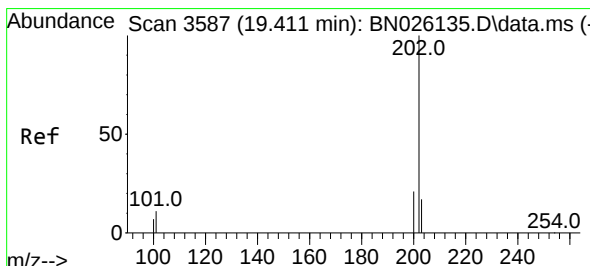
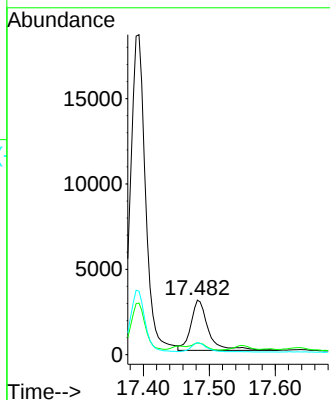
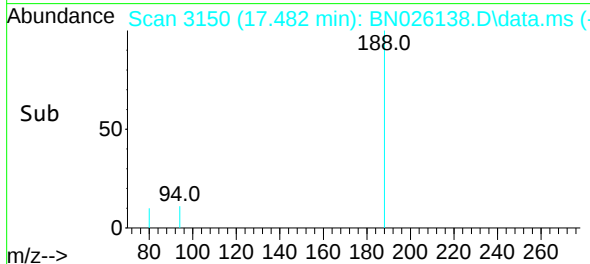
Instrument :
 BNA_N
 ClientSampleId :
 DCFV5DL



Tgt Ion:178 Resp: 5440
 Ion Ratio Lower Upper
 178 100
 179 21.3 12.6 18.8
 176 22.2 15.1 22.7

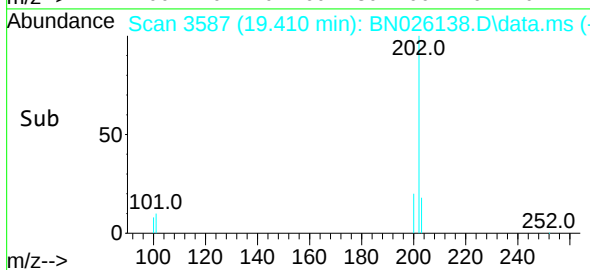
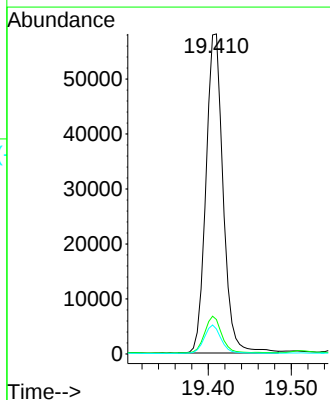
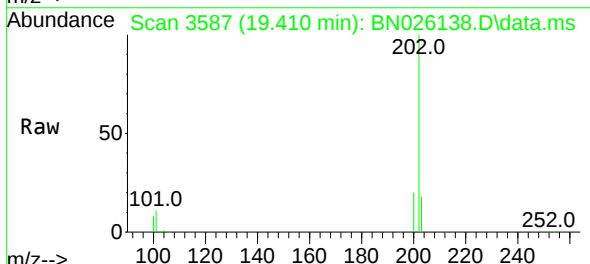
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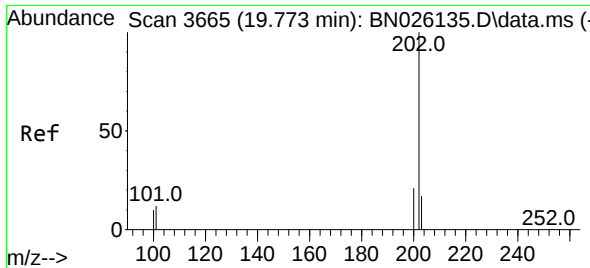
Reviewed By :Yogesh Patel 07/01/2023
 Supervised By :mohammad ahmed 07/01/2023



#19
 Fluoranthene
 Concen: 1.029 ng/u1
 RT: 19.410 min Scan# 3587
 Delta R.T. -0.001 min
 Lab File: BN026138.D
 Acq: 30 Jun 2023 20:10

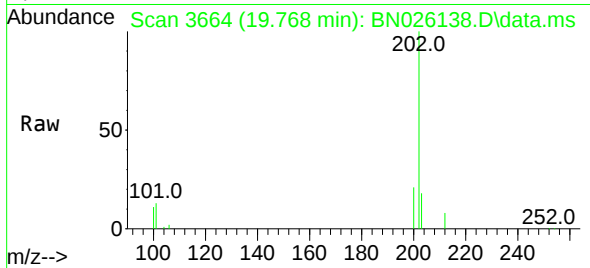
Tgt Ion:202 Resp: 83650
 Ion Ratio Lower Upper
 202 100
 101 10.7 9.5 14.3
 100 7.8 7.3 10.9





#20
Pyrene
Concen: 0.817 ng/ul
RT: 19.768 min Scan# 30
Delta R.T. -0.005 min
Lab File: BN026138.D
Acq: 30 Jun 2023 20:10

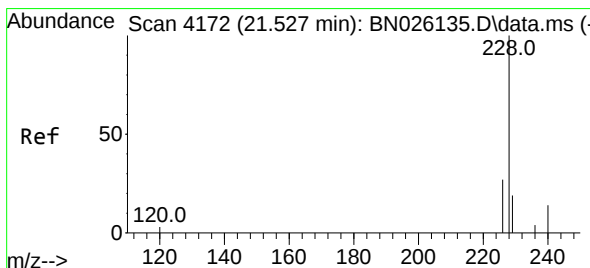
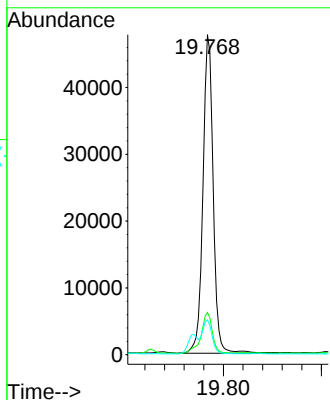
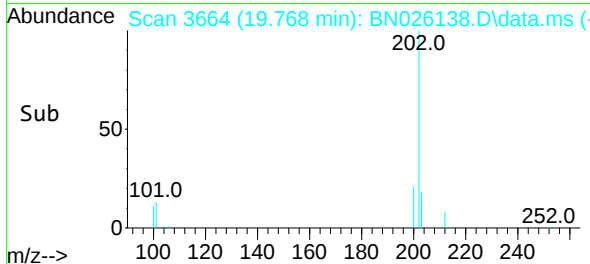
Instrument :
BNA_N
ClientSampleId :
DCFV5DL



Tgt Ion:202 Resp: 6910
Ion Ratio Lower Upper
202 100
101 13.2 11.4 17.0
100 10.8 9.1 13.7

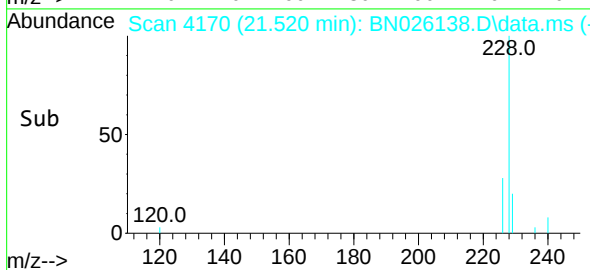
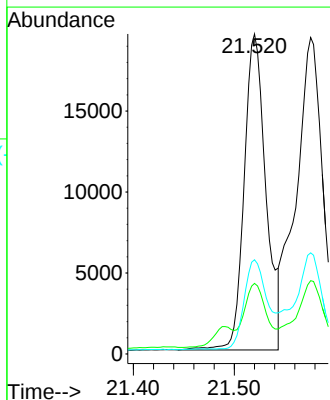
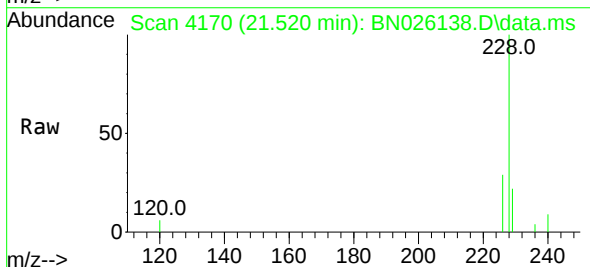
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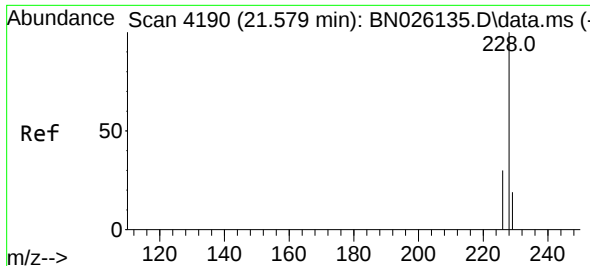
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023



#21
Benzo(a)anthracene
Concen: 0.466 ng/ul
RT: 21.520 min Scan# 4170
Delta R.T. -0.007 min
Lab File: BN026138.D
Acq: 30 Jun 2023 20:10

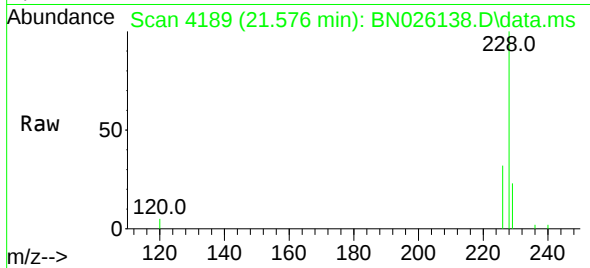
Tgt Ion:228 Resp: 29287
Ion Ratio Lower Upper
228 100
229 22.1 15.8 23.6
226 29.4 22.5 33.7





#22
Chrysene
Concen: 0.544 ng/ul
RT: 21.576 min Scan# 4189
Delta R.T. -0.004 min
Lab File: BN026138.D
Acq: 30 Jun 2023 20:10

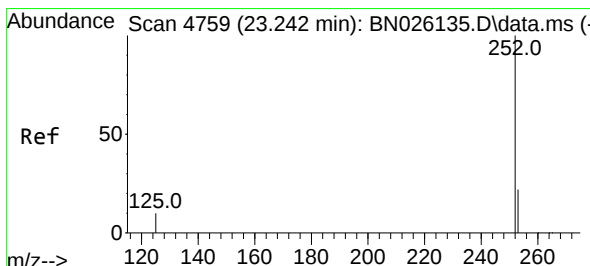
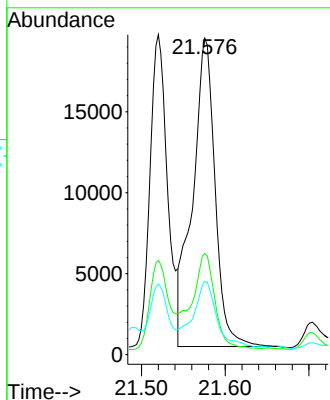
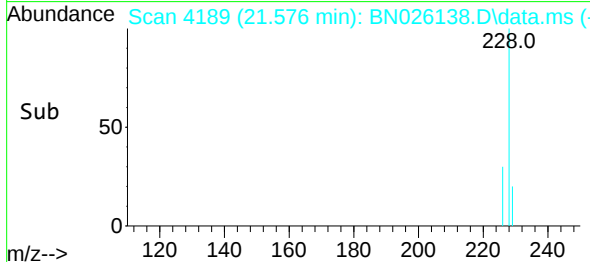
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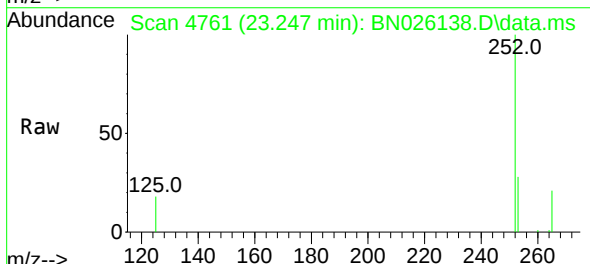
Tgt Ion:228 Resp: 35572
Ion Ratio Lower Upper
228 100
226 32.0 24.8 37.2
229 23.1 15.7 23.5

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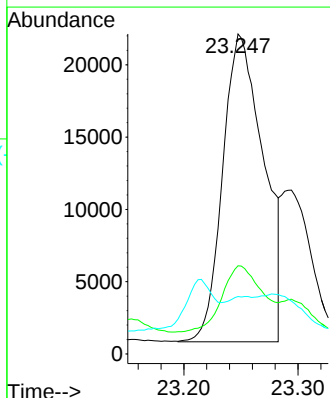
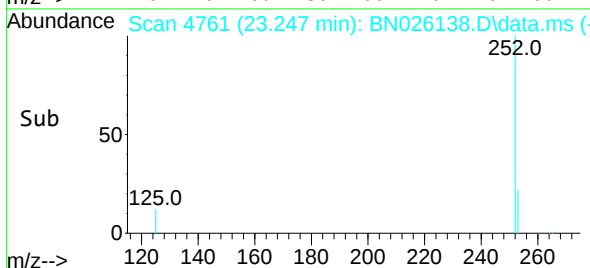
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023

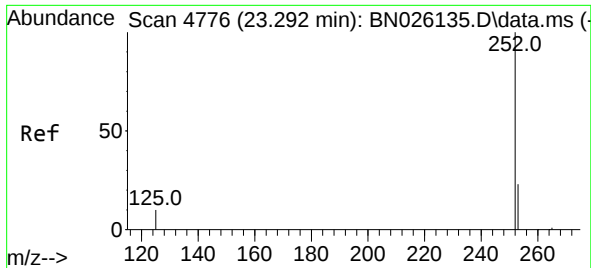


#24
Benzo(b)fluoranthene
Concen: 0.814 ng/ul m
RT: 23.247 min Scan# 4761
Delta R.T. 0.005 min
Lab File: BN026138.D
Acq: 30 Jun 2023 20:10



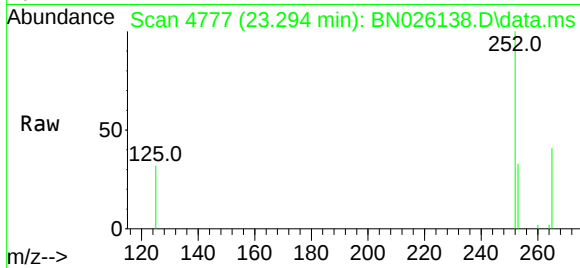
Tgt Ion:252 Resp: 52792
Ion Ratio Lower Upper
252 100
253 27.6 0.0 55.6
125 17.9 0.0 35.8





#25
Benzo(k)fluoranthene
Concen: 0.293 ng/ul m
RT: 23.294 min Scan# 4776
Delta R.T. 0.002 min
Lab File: BN026138.D
Acq: 30 Jun 2023 20:10

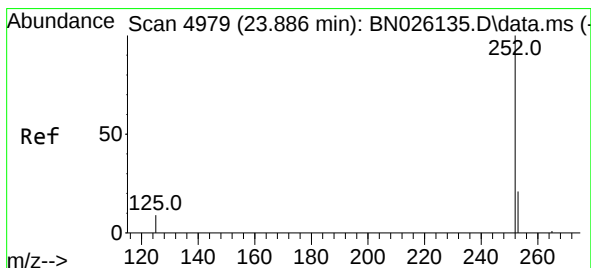
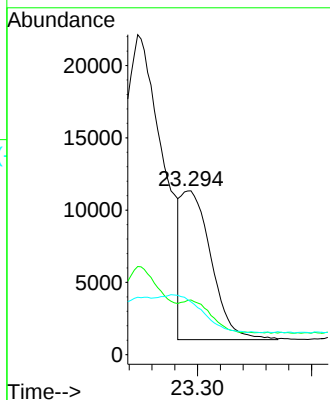
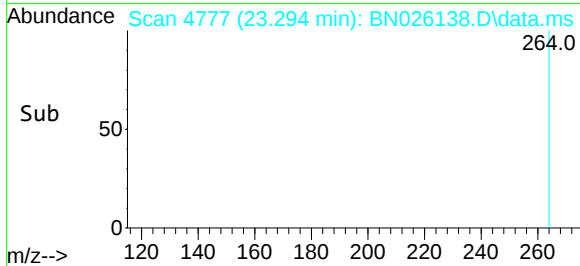
Instrument :
BNA_N
ClientSampleId :
DCFV5DL



Tgt Ion:252 Resp: 1909
Ion Ratio Lower Upper
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253 33.4 23.2 34.8
125 32.2 15.0 22.4

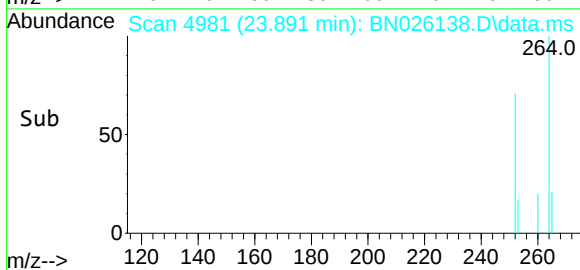
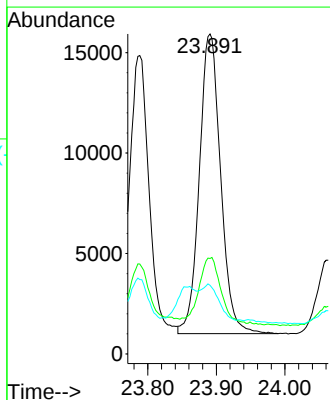
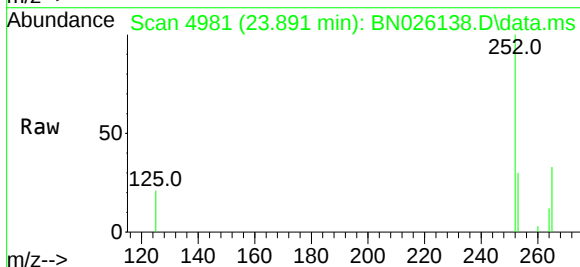
Manual Integrations
APPROVED

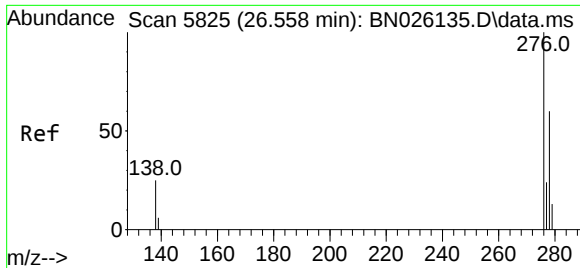
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023



#26
Benzo(a)pyrene
Concen: 0.573 ng/ul
RT: 23.891 min Scan# 4981
Delta R.T. 0.005 min
Lab File: BN026138.D
Acq: 30 Jun 2023 20:10

Tgt Ion:252 Resp: 32266
Ion Ratio Lower Upper
252 100
253 29.9 26.0 39.0
125 21.5 17.3 25.9





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.456 ng/ul

RT: 26.581 min Scan# 5832

Delta R.T. 0.023 min

Lab File: BN026138.D

Acq: 30 Jun 2023 20:10

Instrument :

BNA_N

ClientSampleId :

DCFV5DL

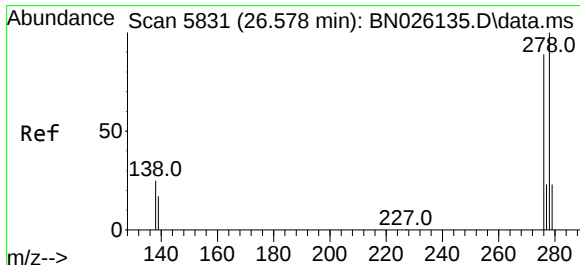
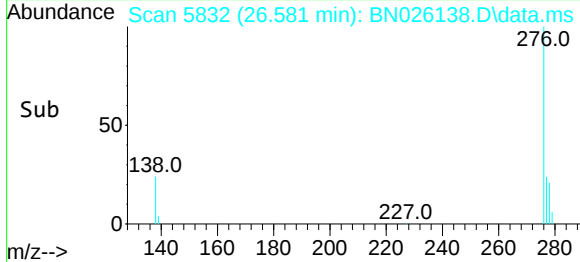
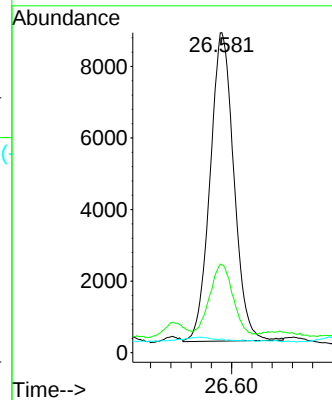
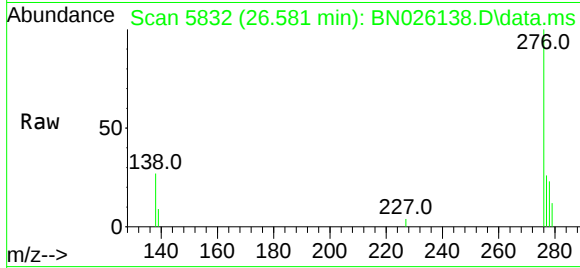
Tgt Ion:	276	Resp:	2805
Ion Ratio	Lower	Upper	
276	100		
138	23.9	24.5	36.7
227	0.0	0.0	0.0

Manual Integrations

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Supervised By :mohammad ahmed 07/01/2023



#28

Dibenzo(a,h)anthracene

Concen: 0.145 ng/ul

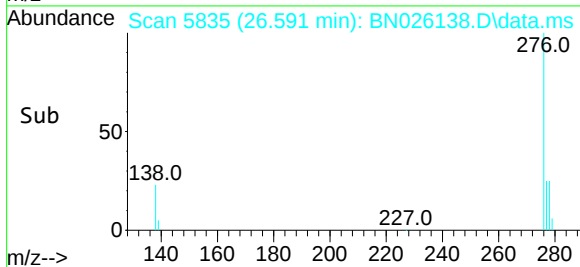
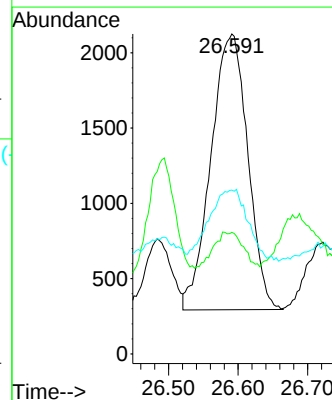
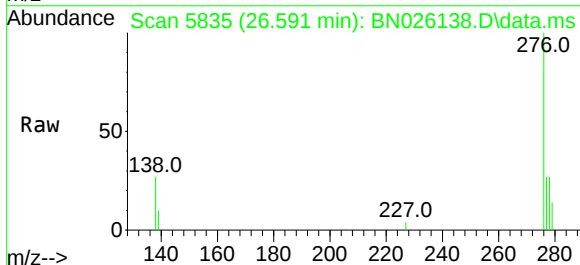
RT: 26.591 min Scan# 5835

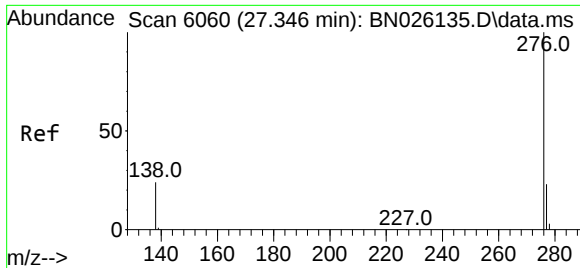
Delta R.T. 0.013 min

Lab File: BN026138.D

Acq: 30 Jun 2023 20:10

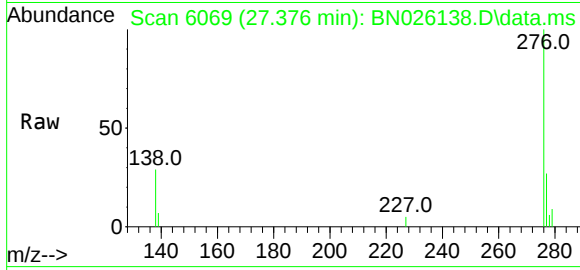
Tgt Ion:	278	Resp:	6742
Ion Ratio	Lower	Upper	
278	100		
139	38.0	19.0	28.4
279	51.2	26.7	40.1





#29
 Benzo(g,h,i)perylene
 Concen: 0.473 ng/ul
 RT: 27.376 min Scan# 6069
 Delta R.T. 0.029 min
 Lab File: BN026138.D
 Acq: 30 Jun 2023 20:10

Instrument :
 BNA_N
 ClientSampleId :
 DCFV5DL



Tgt Ion:	276	Resp:	2586
Ion Ratio	Lower	Upper	
276	100		
138	28.8	23.4	35.0
277	27.0	20.0	30.0

Manual Integrations
 APPROVED

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

