

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061523\
 Data File : BN025861.D
 Acq On : 15 Jun 2023 16:54
 Operator : MA/JU
 Sample : 03225-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GWOW-BR-05-103-123-061323

Manual Integrations
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Reviewed By :Yogesh Patel 06/16/2023
 Supervised By :mohammad ahmed 06/16/2023

Quant Time: Jun 16 01:46:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN053123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 01:41:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.998	152	5009	0.400	ng	0.00
7) Naphthalene-d8	10.814	136	13096	0.400	ng	0.00
13) Acenaphthene-d10	14.630	164	6824	0.400	ng	0.00
19) Phenanthrene-d10	17.381	188	14209	0.400	ng	# 0.00
29) Chrysene-d12	21.560	240	11500	0.400	ng	0.00
35) Perylene-d12	24.045	264	11628	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.549	112	1509	0.107	ng	0.01
5) Phenol-d6	7.167	99	893	0.052	ng	0.01
8) Nitrobenzene-d5	9.170	82	3596	0.296	ng	0.01
11) 2-Methylnaphthalene-d10	12.400	152	6381	0.338	ng	0.00
14) 2,4,6-Tribromophenol	16.127	330	816	0.388	ng	0.00
15) 2-Fluorobiphenyl	13.261	172	10696	0.371	ng	0.00
27) Fluoranthene-d10	19.407	212	13348	0.457	ng	0.00
31) Terphenyl-d14	19.992	244	11310	0.405	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.383	88	211407	35.972	ng	# 93
25) Phenanthrene	17.418	178	1739	0.040	ng	96
28) Fluoranthene	19.435	202	5811	0.135	ng	# 92
30) Pyrene	19.797	202	4965	0.076	ng	# 96
32) Benzo(a)anthracene	21.542	228	4072m	0.092	ng	
33) Chrysene	21.596	228	5090	0.108	ng	96
34) Bis(2-ethylhexyl)phtha...	21.462	149	9620	0.364	ng	95
36) Indeno(1,2,3-cd)pyrene	26.653	276	3845	0.076	ng	95
37) Benzo(b)fluoranthene	23.285	252	8382	0.183	ng	# 83
38) Benzo(k)fluoranthene	23.332	252	6132m	0.131	ng	
39) Benzo(a)pyrene	23.940	252	4062	0.093	ng	# 63
40) Dibenzo(a,h)anthracene	26.671	278	1946	0.048	ng	# 46
41) Benzo(g,h,i)perylene	27.451	276	3984	0.088	ng	91

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

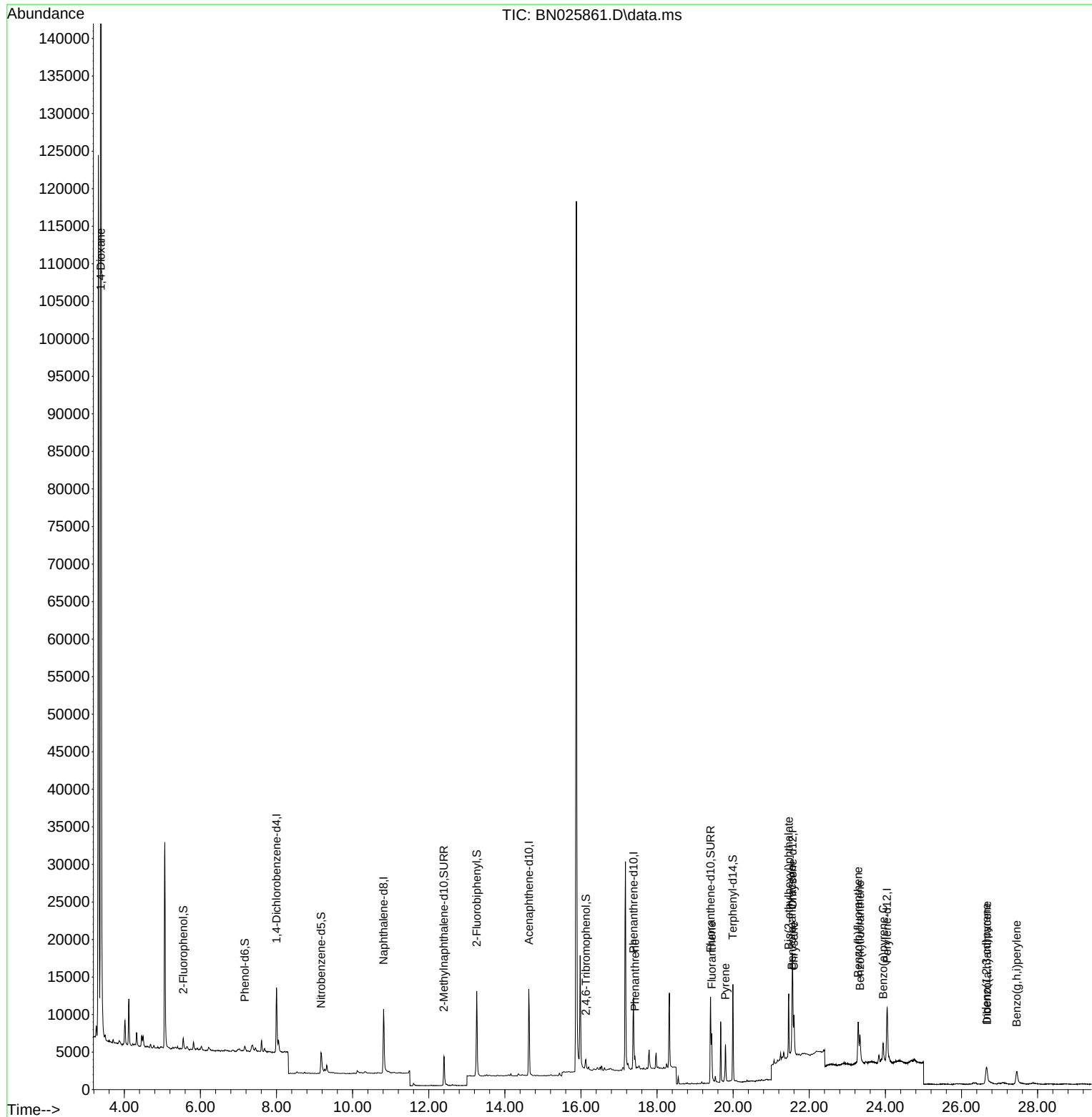
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061523\
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ALS Vial : 13 Sample Multiplier: 1

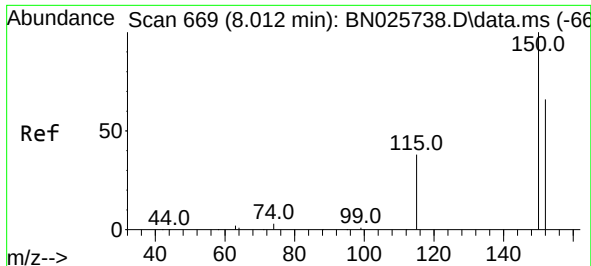
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Quant Time: Jun 16 01:46:17 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN053123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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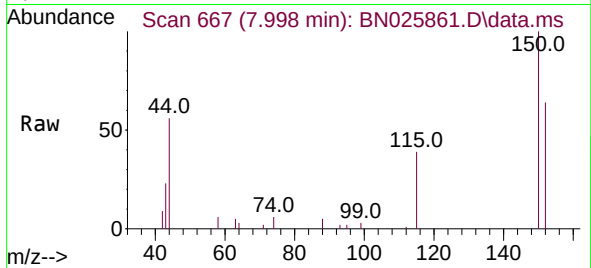
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.998 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN025861.D
Acq: 15 Jun 2023 16:54

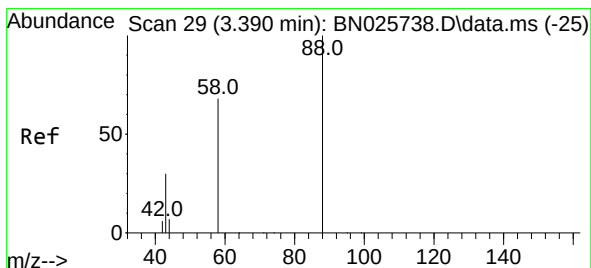
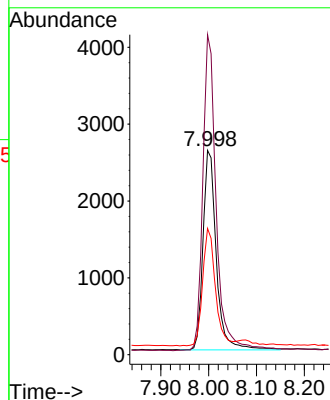
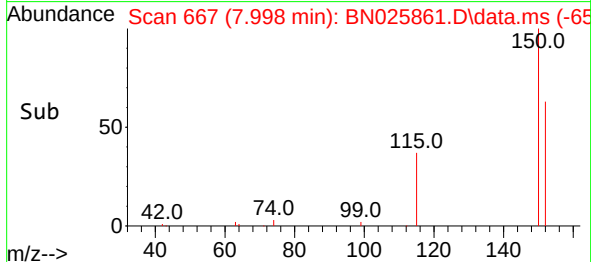
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-05-103-123-061323



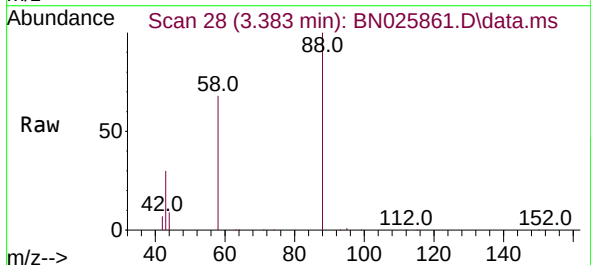
Tgt Ion:152 Resp: 5009
Ion Ratio Lower Upper
152 100
150 156.6 121.5 182.3
115 61.8 47.7 71.5

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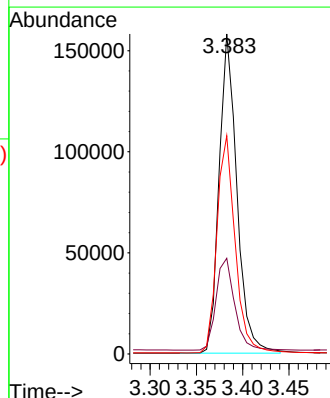
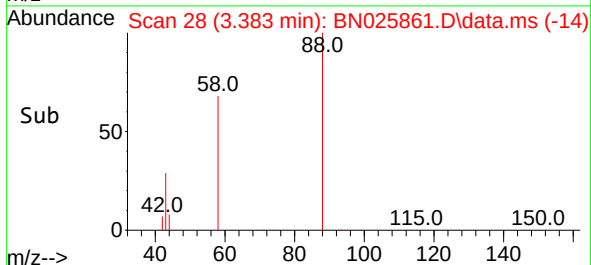
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023

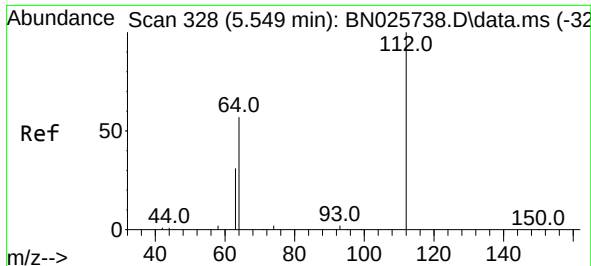


#2
1,4-Dioxane
Concen: 35.972 ng
RT: 3.383 min Scan# 28
Delta R.T. 0.000 min
Lab File: BN025861.D
Acq: 15 Jun 2023 16:54



Tgt Ion: 88 Resp: 211407
Ion Ratio Lower Upper
88 100
43 30.0 31.0 46.4#
58 69.4 57.3 85.9





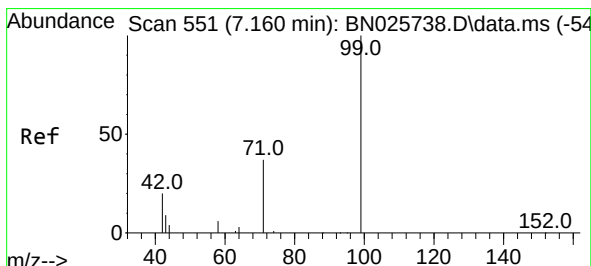
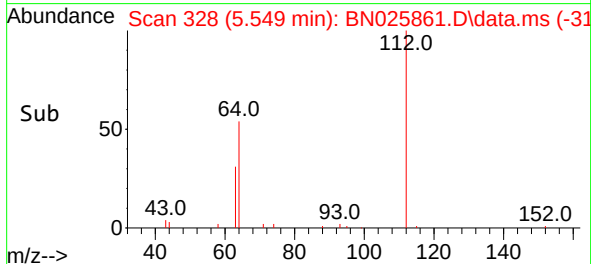
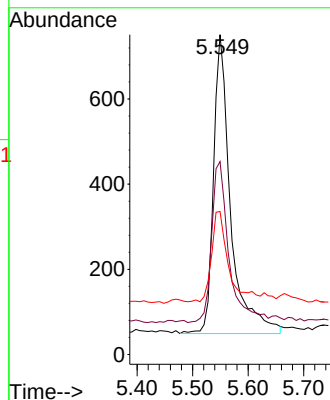
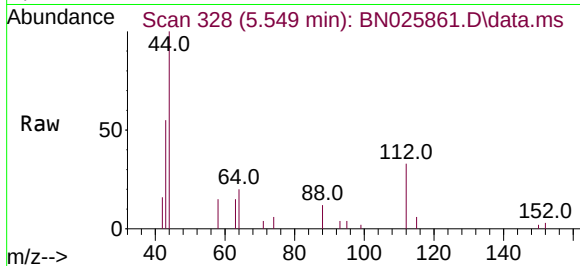
#4
2-Fluorophenol
Concen: 0.107 ng
RT: 5.549 min Scan# 31
Delta R.T. 0.015 min
Lab File: BN025861.D
Acq: 15 Jun 2023 16:54

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Tgt Ion: 112 Resp: 1509
Ion Ratio Lower Upper
112 100
64 54.4 47.5 71.3
63 29.8 26.2 39.4

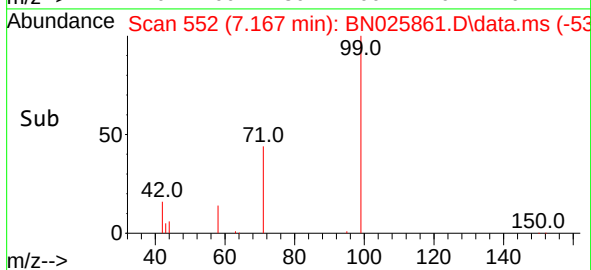
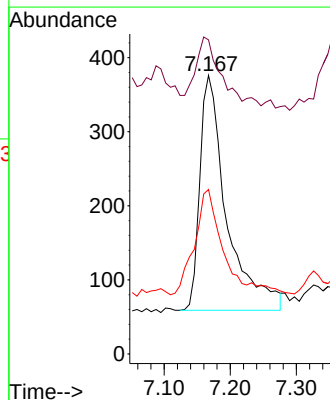
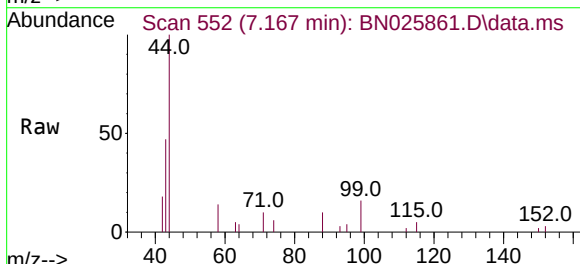
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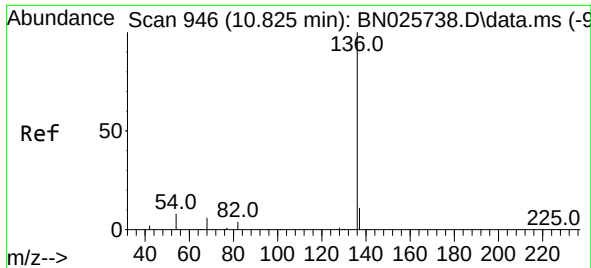
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#5
Phenol-d6
Concen: 0.052 ng
RT: 7.167 min Scan# 552
Delta R.T. 0.015 min
Lab File: BN025861.D
Acq: 15 Jun 2023 16:54

Tgt Ion: 99 Resp: 893
Ion Ratio Lower Upper
99 100
42 27.4 18.6 28.0
71 47.9 30.5 45.7#





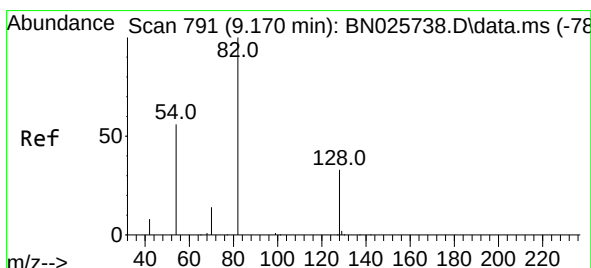
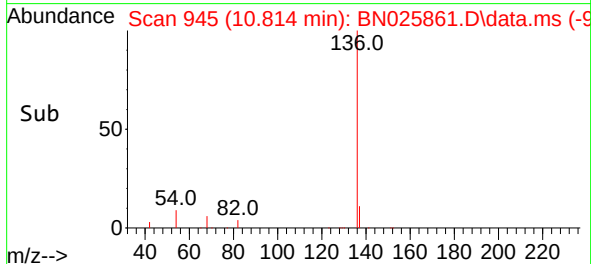
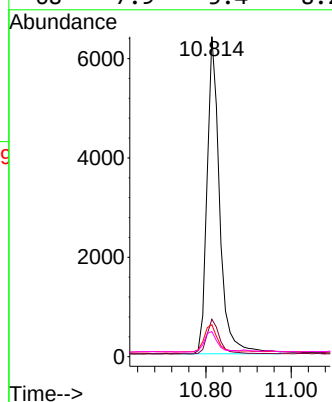
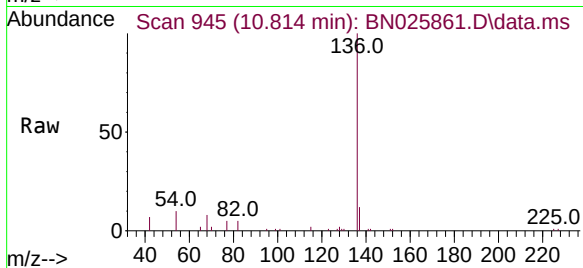
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.814 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN025861.D
Acq: 15 Jun 2023 16:54

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-05-103-123-061323

Tgt Ion:136	Resp:	13090
Ion Ratio	Lower	Upper
136	100	
137	11.7	9.3 13.9
54	10.0	7.2 10.8
68	7.9	5.4 8.2

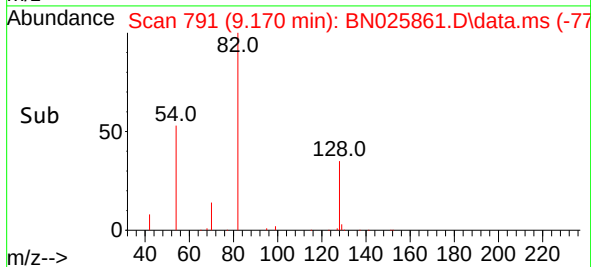
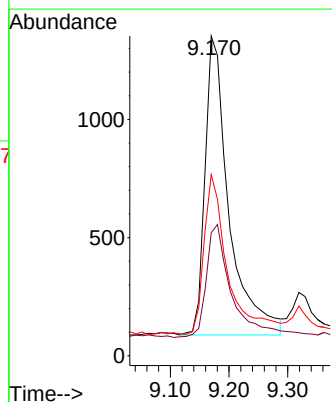
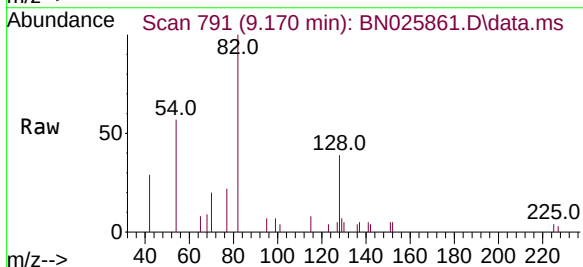
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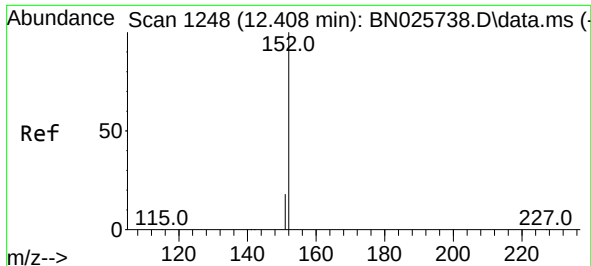
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#8
Nitrobenzene-d5
Concen: 0.296 ng
RT: 9.170 min Scan# 791
Delta R.T. 0.011 min
Lab File: BN025861.D
Acq: 15 Jun 2023 16:54

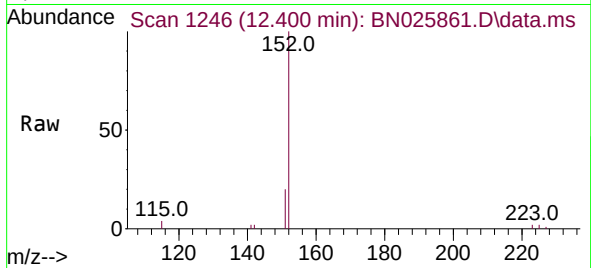
Tgt Ion: 82	Resp:	3596
Ion Ratio	Lower	Upper
82	100	
128	38.5	27.6 41.4
54	56.6	45.7 68.5





#11
2-Methylnaphthalene-d10
Concen: 0.338 ng
RT: 12.400 min Scan# 11
Delta R.T. 0.004 min
Lab File: BN025861.D
Acq: 15 Jun 2023 16:54

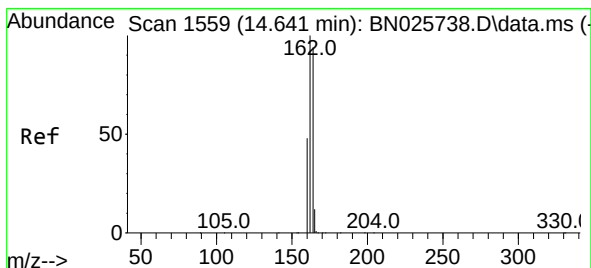
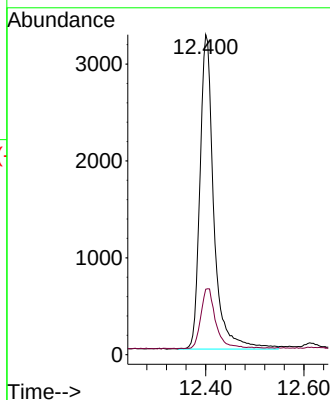
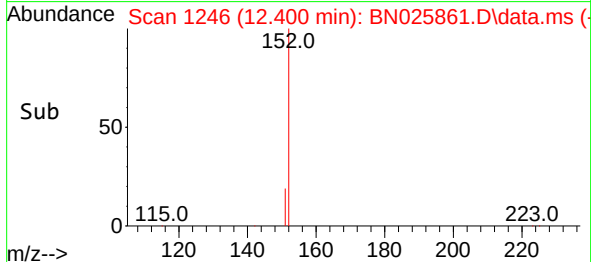
Instrument :
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ClientSampleId :
GWOW-BR-05-103-123-061323



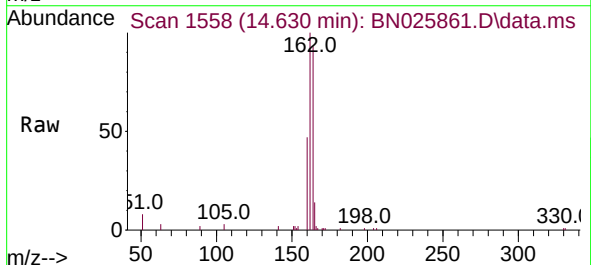
Tgt Ion:152 Resp: 638
Ion Ratio Lower Upper
152 100
151 20.3 16.4 24.6

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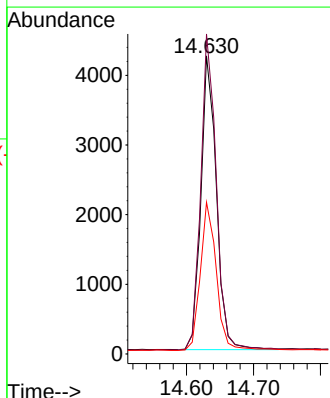
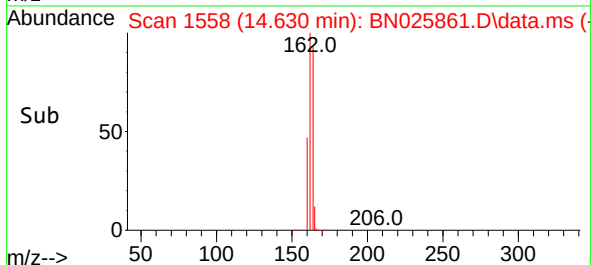
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023

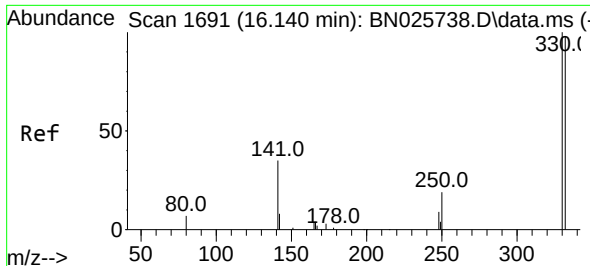


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.630 min Scan# 1558
Delta R.T. 0.000 min
Lab File: BN025861.D
Acq: 15 Jun 2023 16:54



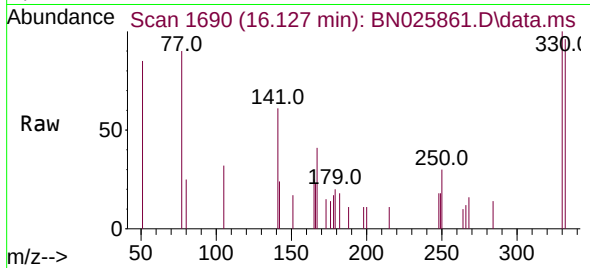
Tgt Ion:164 Resp: 6824
Ion Ratio Lower Upper
164 100
162 107.3 85.0 127.6
160 50.9 41.1 61.7





#14
2,4,6-Tribromophenol
Concen: 0.388 ng
RT: 16.127 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN025861.D
Acq: 15 Jun 2023 16:54

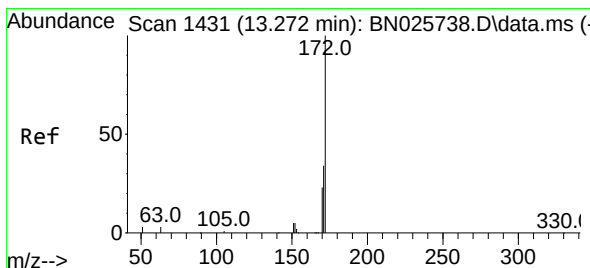
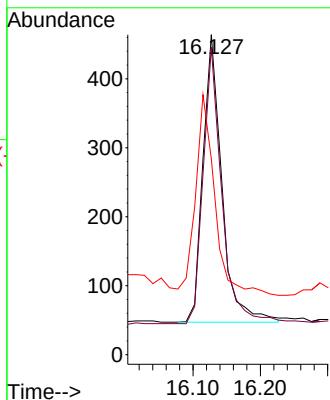
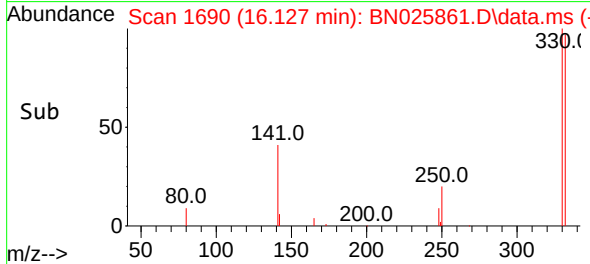
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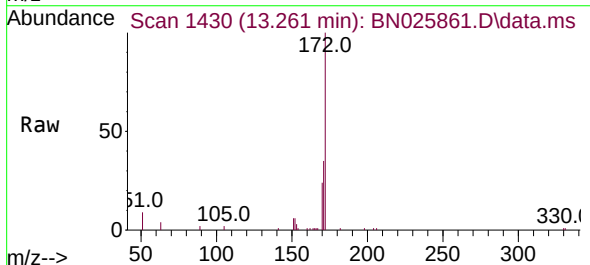
Tgt Ion:330 Resp: 810
Ion Ratio Lower Upper
330 100
332 94.5 77.3 115.9
141 70.7 55.0 82.6

Manual Integrations
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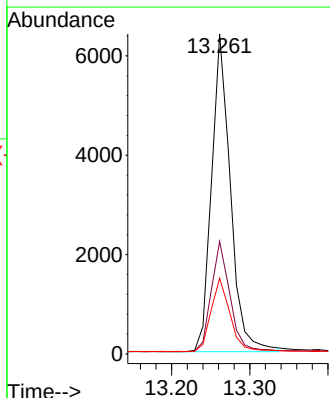
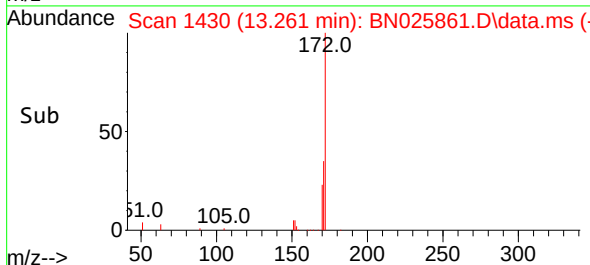
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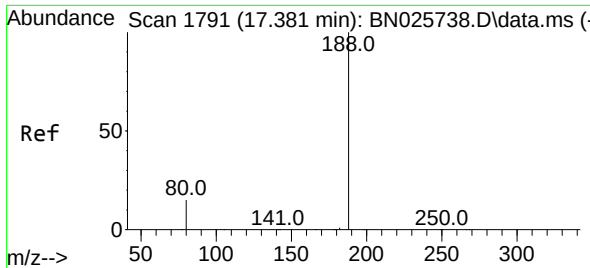


#15
2-Fluorobiphenyl
Concen: 0.371 ng
RT: 13.261 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BN025861.D
Acq: 15 Jun 2023 16:54



Tgt Ion:172 Resp: 10696
Ion Ratio Lower Upper
172 100
171 35.2 27.3 40.9
170 23.7 18.6 28.0





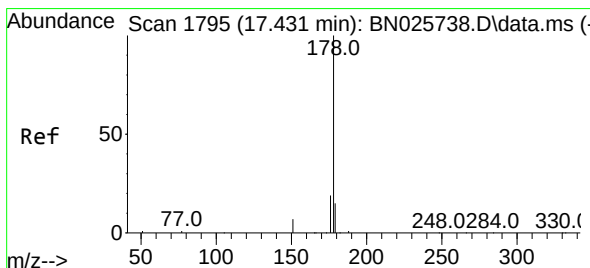
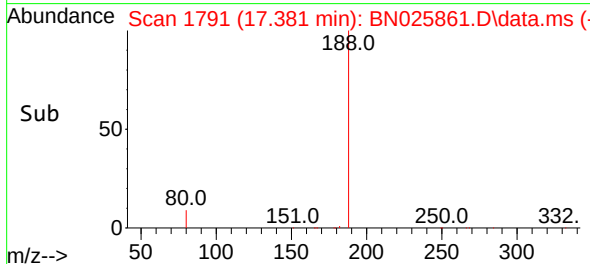
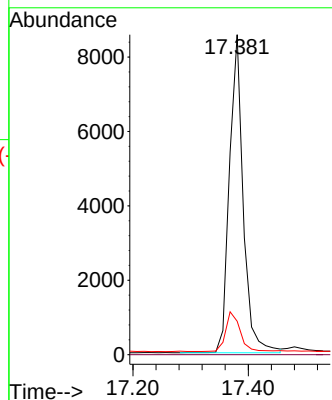
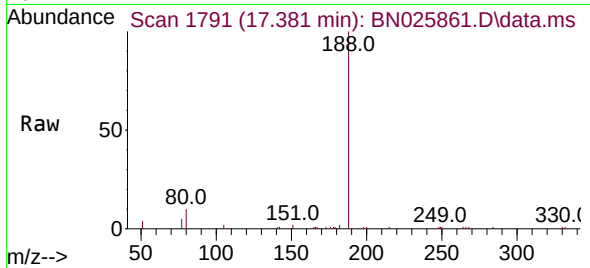
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.381 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BN025861.D
Acq: 15 Jun 2023 16:54

Instrument : BNA_N
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Tgt Ion:188 Resp: 14209
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.5 12.1 18.1

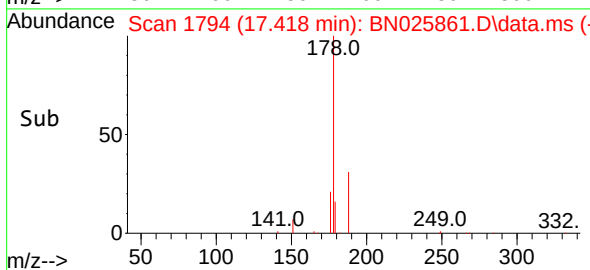
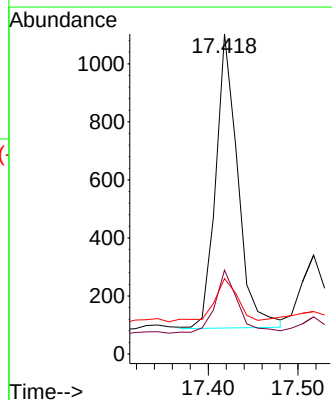
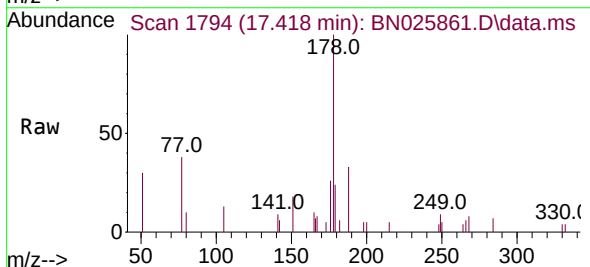
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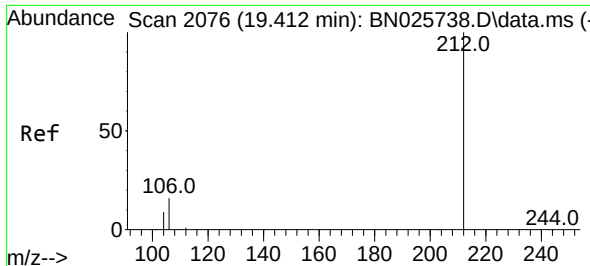
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#25
Phenanthrene
Concen: 0.040 ng
RT: 17.418 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BN025861.D
Acq: 15 Jun 2023 16:54

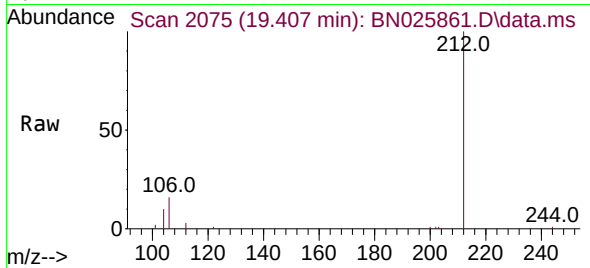
Tgt Ion:178 Resp: 1739
Ion Ratio Lower Upper
178 100
176 22.3 15.7 23.5
179 15.5 12.2 18.2





#27
Fluoranthene-d10
Concen: 0.457 ng
RT: 19.407 min Scan# 2075
Delta R.T. 0.005 min
Lab File: BN025861.D
Acq: 15 Jun 2023 16:54

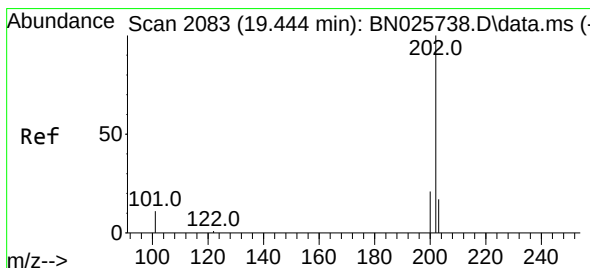
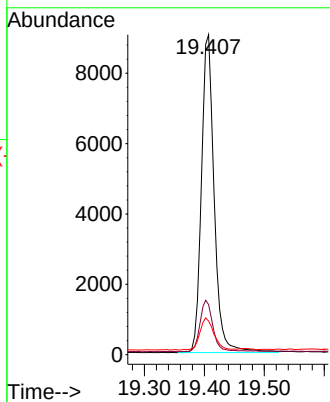
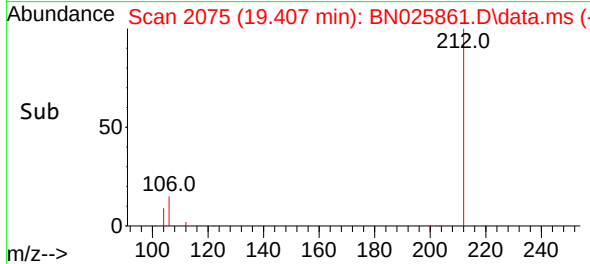
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Tgt Ion:212 Resp: 13348
Ion Ratio Lower Upper
212 100
106 16.5 13.0 19.6
104 10.9 7.7 11.5

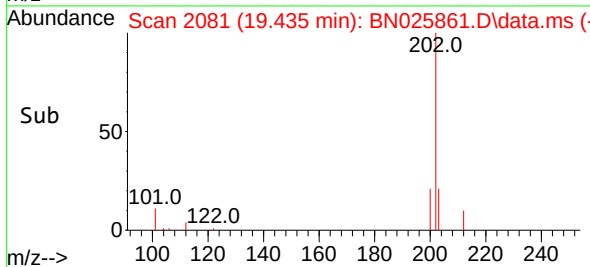
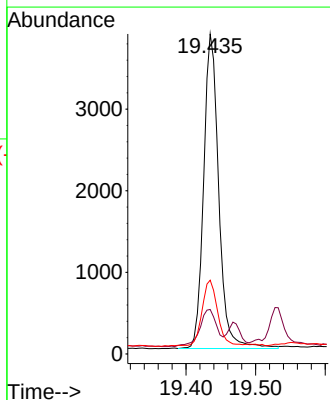
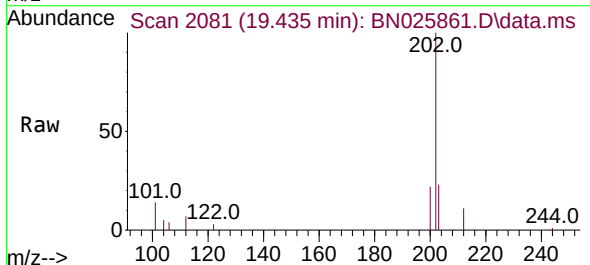
Manual Integrations
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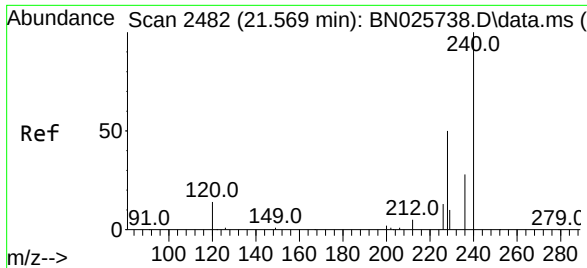
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#28
Fluoranthene
Concen: 0.135 ng
RT: 19.435 min Scan# 2081
Delta R.T. 0.000 min
Lab File: BN025861.D
Acq: 15 Jun 2023 16:54

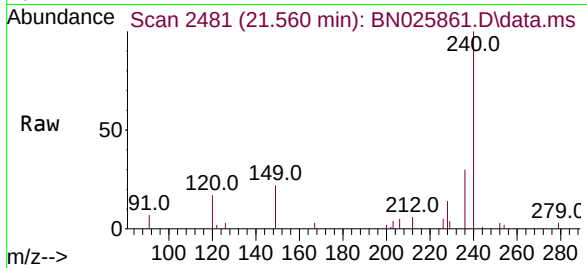
Tgt Ion:202 Resp: 5811
Ion Ratio Lower Upper
202 100
101 13.3 9.8 14.8
203 22.3 13.4 20.2#





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.560 min Scan# 2482
Delta R.T. 0.000 min
Lab File: BN025861.D
Acq: 15 Jun 2023 16:54

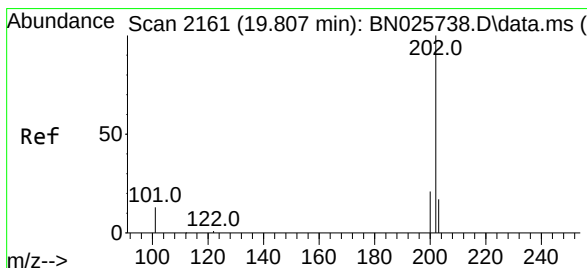
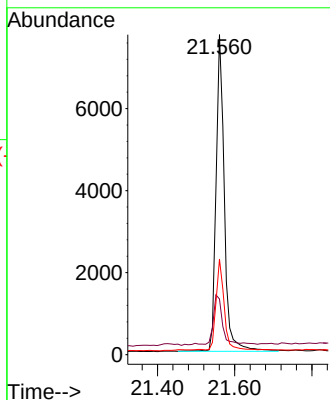
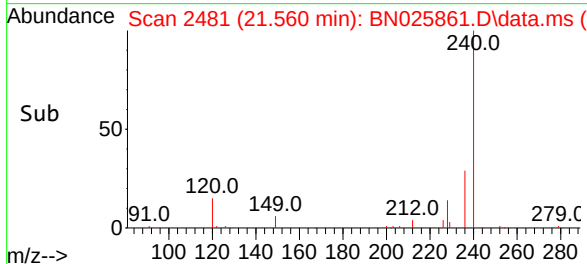
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-05-103-123-061323



Tgt Ion:240 Resp: 11500
Ion Ratio Lower Upper
240 100
120 17.4 13.2 19.8
236 29.8 23.1 34.7

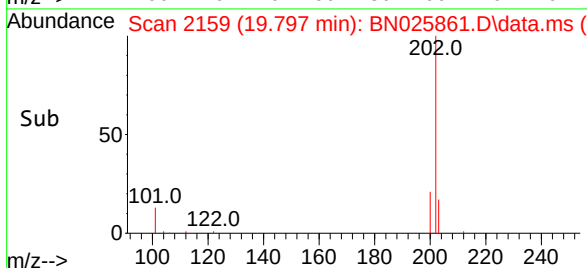
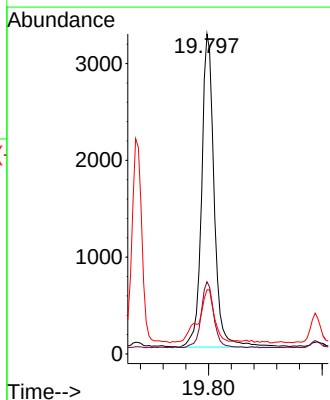
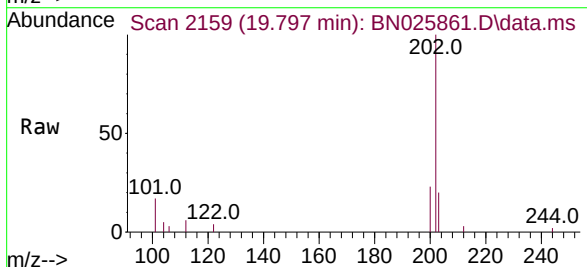
Manual Integrations
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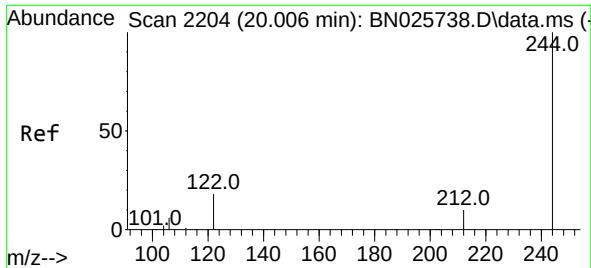
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#30
Pyrene
Concen: 0.076 ng
RT: 19.797 min Scan# 2159
Delta R.T. 0.000 min
Lab File: BN025861.D
Acq: 15 Jun 2023 16:54

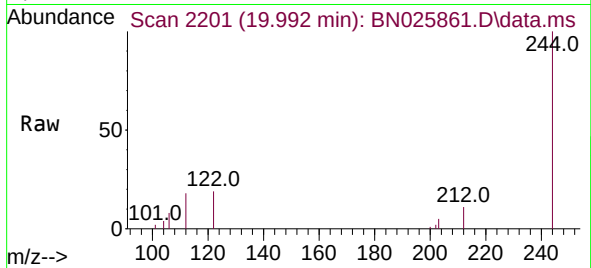
Tgt Ion:202 Resp: 4965
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.6
203 21.5 14.2 21.2#





#31
 Terphenyl-d14
 Concen: 0.405 ng
 RT: 19.992 min Scan# 2110
 Delta R.T. -0.005 min
 Lab File: BN025861.D
 Acq: 15 Jun 2023 16:54

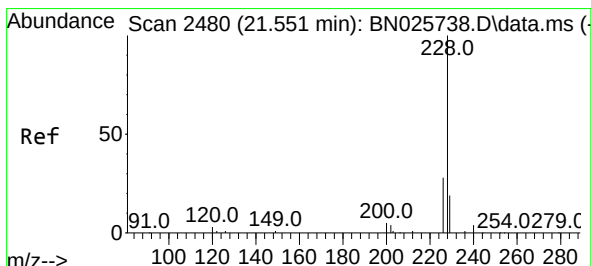
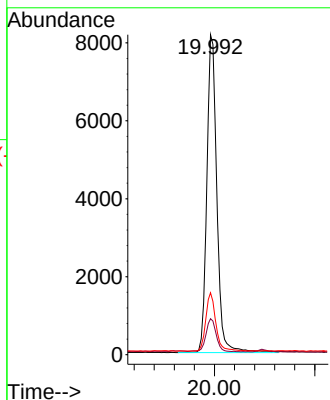
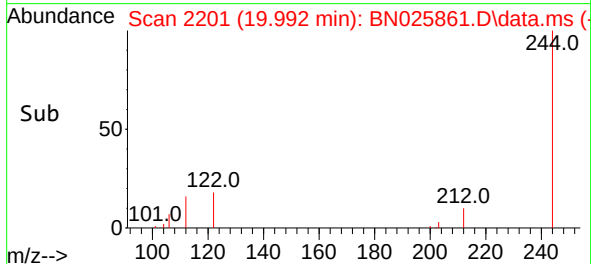
Instrument :
 BNA_N
 ClientSampleId :
 GWOW-BR-05-103-123-061323



Tgt Ion:244 Resp: 11310
 Ion Ratio Lower Upper
 244 100
 212 11.3 8.6 12.8
 122 19.3 15.2 22.8

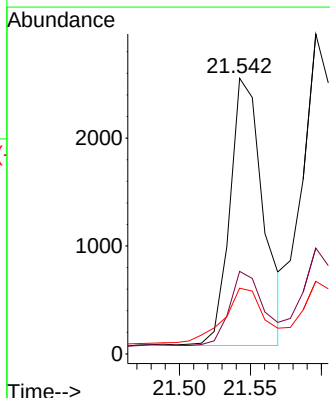
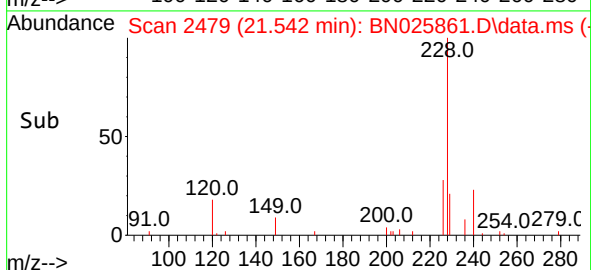
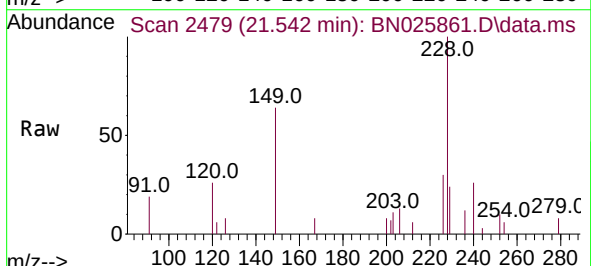
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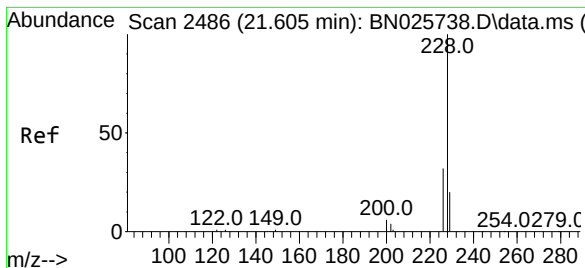
Reviewed By :Yogesh Patel 06/16/2023
 Supervised By :mohammad ahmed 06/16/2023



#32
 Benzo(a)anthracene
 Concen: 0.092 ng m
 RT: 21.542 min Scan# 2479
 Delta R.T. 0.000 min
 Lab File: BN025861.D
 Acq: 15 Jun 2023 16:54

Tgt Ion:228 Resp: 4072
 Ion Ratio Lower Upper
 228 100
 226 29.9 22.9 34.3
 229 23.9 15.6 23.4#





#33

Chrysene

Concen: 0.108 ng

RT: 21.596 min Scan# 2486

Delta R.T. 0.000 min

Lab File: BN025861.D

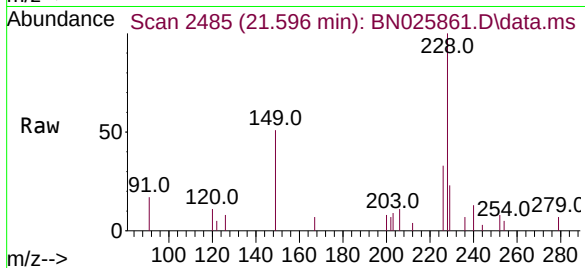
Acq: 15 Jun 2023 16:54

Instrument :

BNA_N

ClientSampleId :

GWOW-BR-05-103-123-061323



Tgt Ion:228 Resp: 5090

Ion Ratio Lower Upper

228 100

226 33.1 25.4 38.2

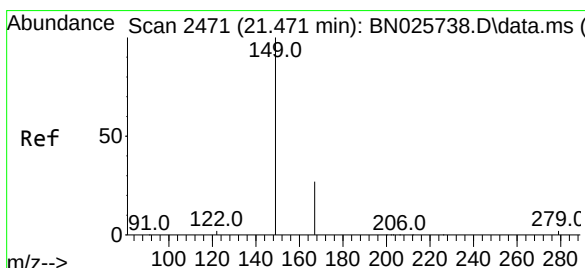
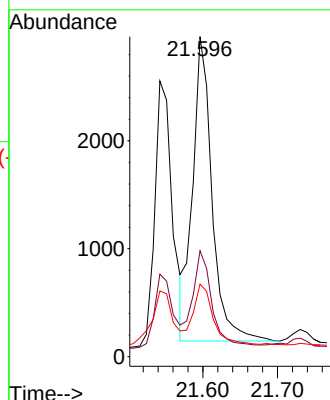
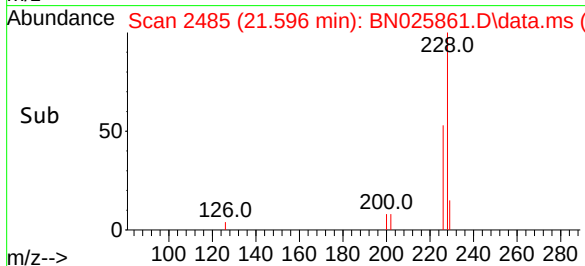
229 22.7 16.1 24.1

Manual Integrations

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Reviewed By :Yogesh Patel 06/16/2023

Supervised By :mohammad ahmed 06/16/2023



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.364 ng

RT: 21.462 min Scan# 2470

Delta R.T. 0.000 min

Lab File: BN025861.D

Acq: 15 Jun 2023 16:54

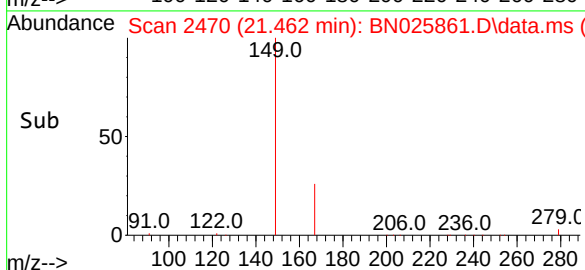
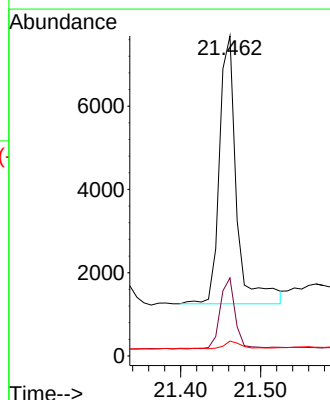
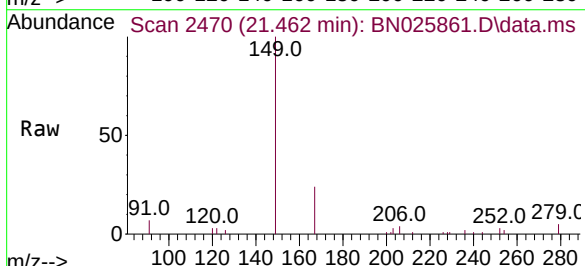
Tgt Ion:149 Resp: 9620

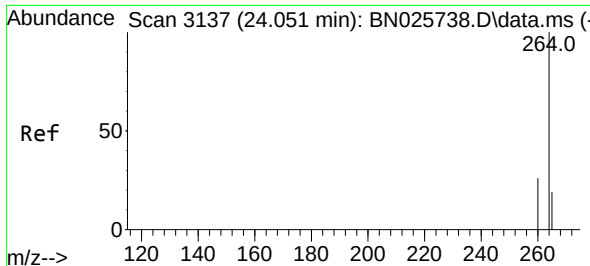
Ion Ratio Lower Upper

149 100

167 23.5 21.0 31.6

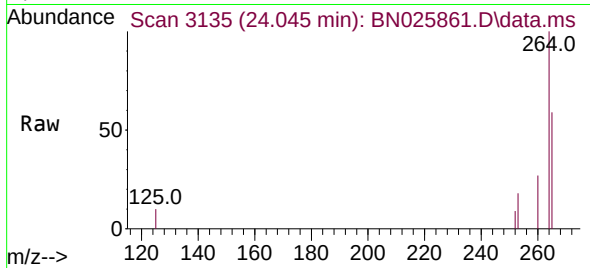
279 3.1 2.2 3.4





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.045 min Scan# 3137
 Delta R.T. -0.003 min
 Lab File: BN025861.D
 Acq: 15 Jun 2023 16:54

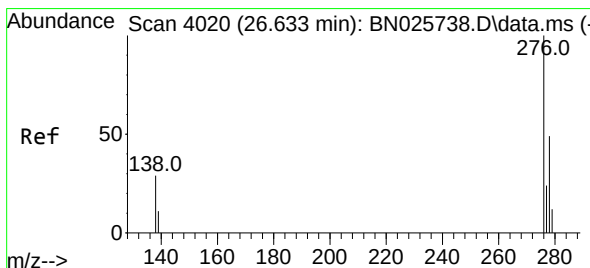
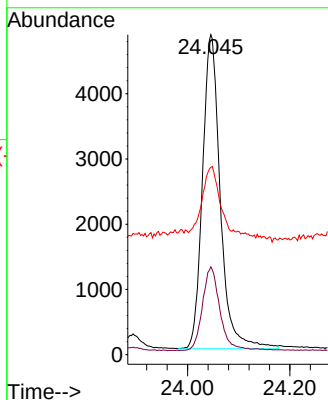
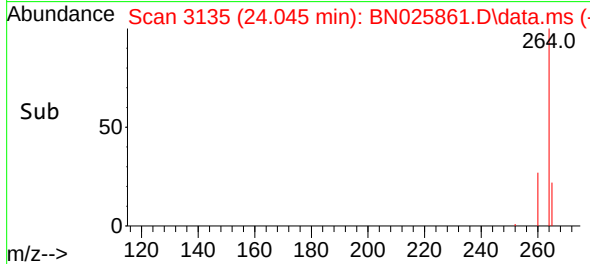
Instrument :
 BNA_N
 ClientSampleId :
 GWOW-BR-05-103-123-061323



Tgt Ion:264 Resp: 11628
 Ion Ratio Lower Upper
 264 100
 260 27.4 21.4 32.2
 265 58.6 44.7 67.1

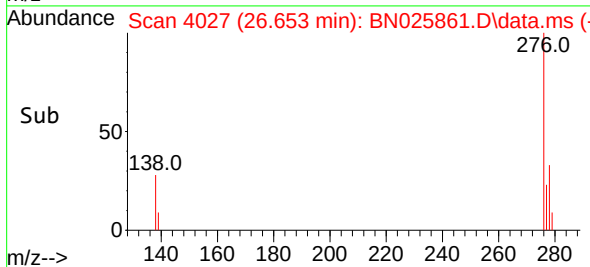
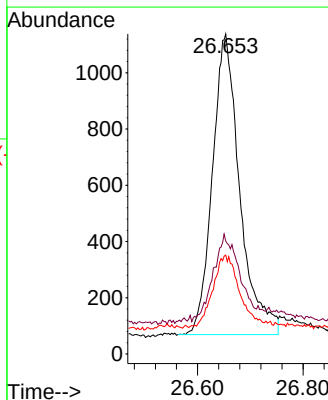
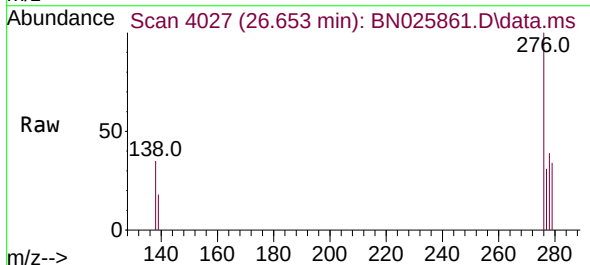
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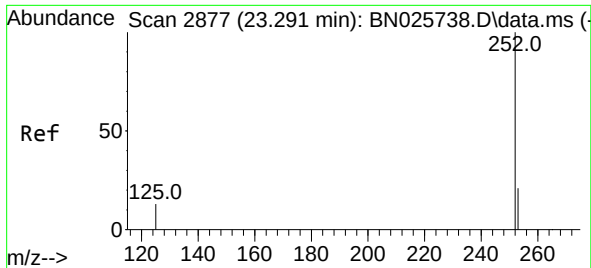
Reviewed By :Yogesh Patel 06/16/2023
 Supervised By :mohammad ahmed 06/16/2023



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.076 ng
 RT: 26.653 min Scan# 4027
 Delta R.T. 0.012 min
 Lab File: BN025861.D
 Acq: 15 Jun 2023 16:54

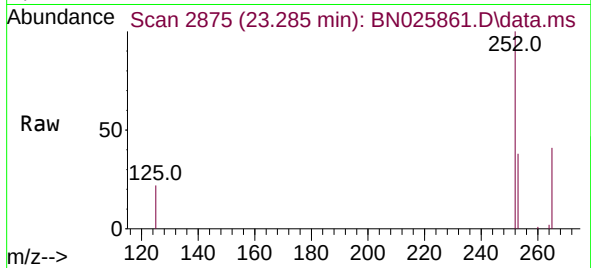
Tgt Ion:276 Resp: 3845
 Ion Ratio Lower Upper
 276 100
 138 28.1 26.1 39.1
 277 23.4 19.4 29.2





#37
Benzo(b)fluoranthene
Concen: 0.183 ng
RT: 23.285 min Scan# 2875
Delta R.T. 0.003 min
Lab File: BN025861.D
Acq: 15 Jun 2023 16:54

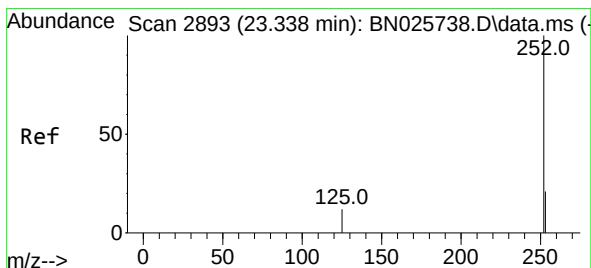
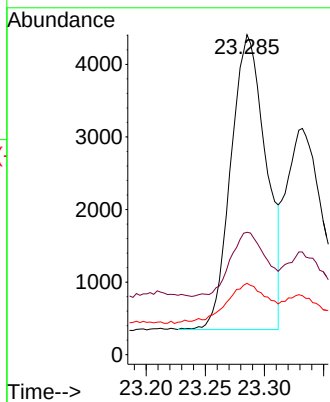
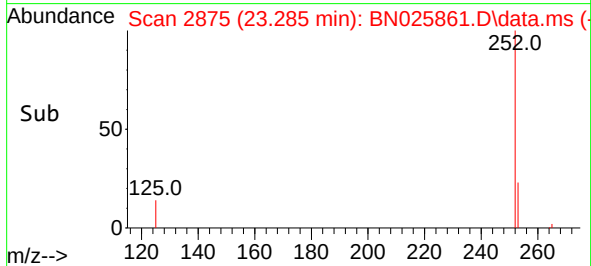
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-05-103-123-061323



Tgt Ion:252 Resp: 838
Ion Ratio Lower Upper
252 100
253 38.2 23.4 35.0#
125 22.3 12.3 18.5#

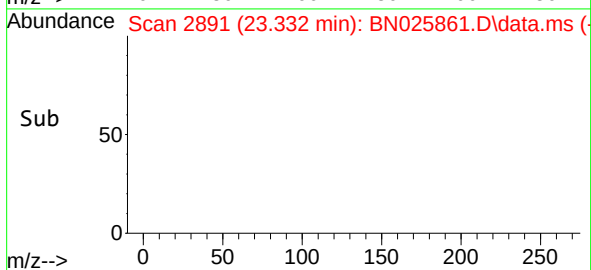
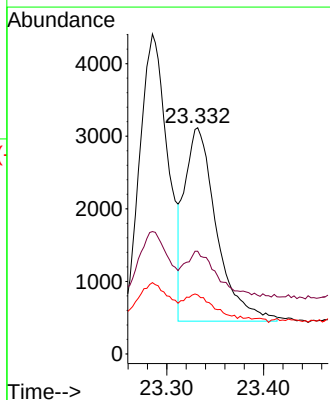
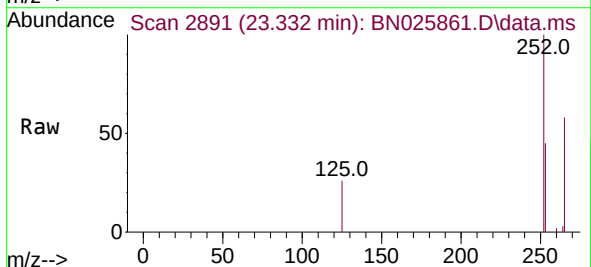
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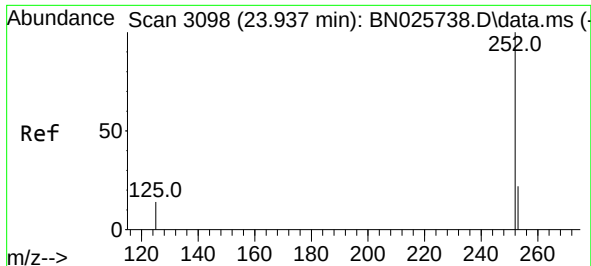
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#38
Benzo(k)fluoranthene
Concen: 0.131 ng m
RT: 23.332 min Scan# 2891
Delta R.T. 0.003 min
Lab File: BN025861.D
Acq: 15 Jun 2023 16:54

Tgt Ion:252 Resp: 6132
Ion Ratio Lower Upper
252 100
253 45.4 24.2 36.4#
125 26.1 12.2 18.2#





#39

Benzo(a)pyrene

Concen: 0.093 ng

RT: 23.940 min Scan# 3098

Delta R.T. 0.003 min

Lab File: BN025861.D

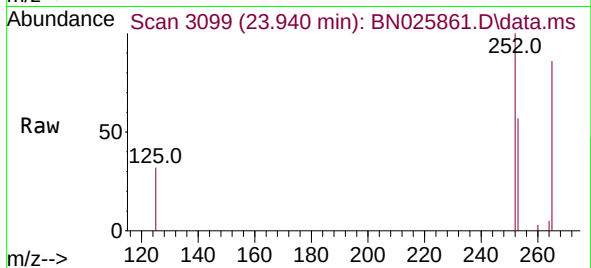
Acq: 15 Jun 2023 16:54

Instrument :

BN_A_N

ClientSampleId :

GWOW-BR-05-103-123-061323



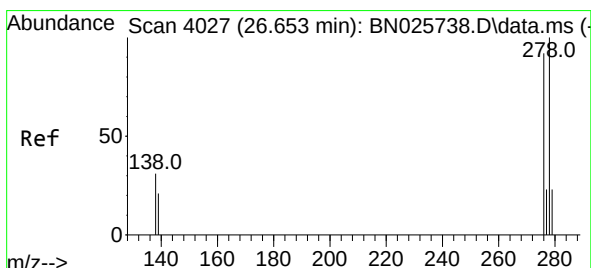
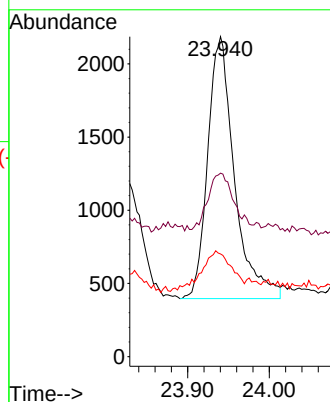
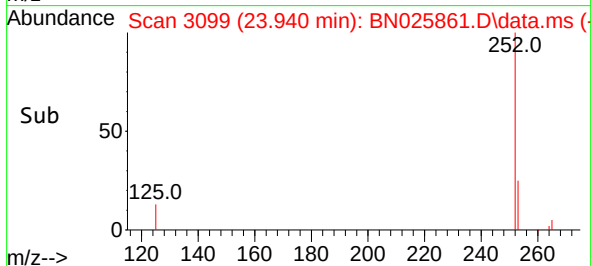
Tgt Ion:	252	Resp:	4062
Ion Ratio	Lower	Upper	
252	100		
253	57.4	27.5	41.3#
125	32.1	14.6	21.8#

Manual Integrations

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Reviewed By :Yogesh Patel 06/16/2023

Supervised By :mohammad ahmed 06/16/2023



#40

Dibenzo(a,h)anthracene

Concen: 0.048 ng

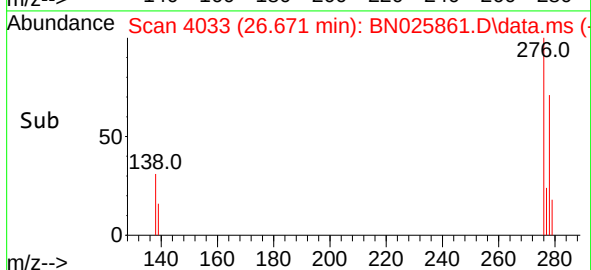
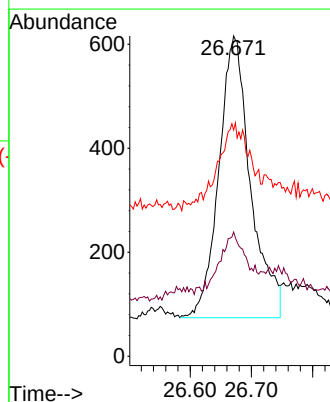
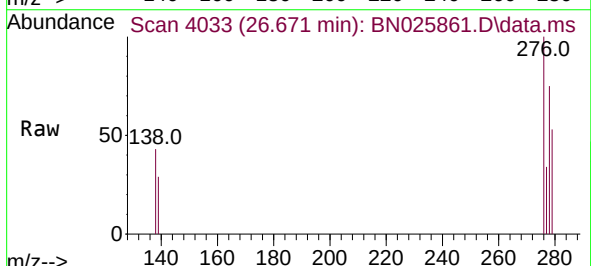
RT: 26.671 min Scan# 4033

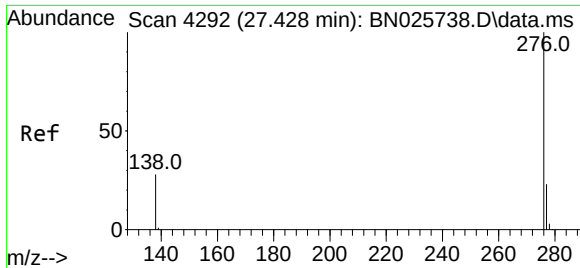
Delta R.T. 0.009 min

Lab File: BN025861.D

Acq: 15 Jun 2023 16:54

Tgt Ion:	278	Resp:	1946
Ion Ratio	Lower	Upper	
278	100		
139	38.8	18.7	28.1#
279	70.6	25.1	37.7#





#41

Benzo(g,h,i)perylene

Concen: 0.088 ng

RT: 27.451 min Scan# 41

Delta R.T. 0.006 min

Lab File: BN025861.D

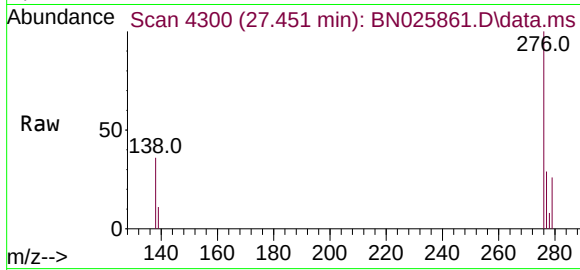
Acq: 15 Jun 2023 16:54

Instrument :

BNA_N

ClientSampleId :

GWOW-BR-05-103-123-061323



Tgt Ion:276 Resp: 3984

Ion Ratio Lower Upper

276 100

277 29.2 20.2 30.2

138 35.7 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/16/2023

Supervised By :mohammad ahmed 06/16/2023

